



# System technical manual for the installer



INTEGRATED IP  
VIDEO DOOR PHONE  
SYSTEMS

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MT124-032P version 3.3.0

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# 1 Introduction

**IPerCom 3.3.0** is an IP video door phone system with the following features:

1. it supports small and medium-sized systems with a maximum number of 1000 IP devices and a maximum number of 1000 users without having to use any system server<sup>1</sup>;
2. it supports large-scale systems with a maximum number of 4000 IP devices and a maximum number of 10000 users, if the system is equipped with one or more servers;
3. it is updated and configured via the *IPerCom Installer Tools* application (released for the Windows operating system) if the system is medium-large sized: both for the update and for the configuration an Internet connection is required as it is necessary to register to Urmet Cloud (for further details see the [Upgrading and configuring an IPerCom system](#) paragraph);
4. it is updated by the *Villa Kit Updater* application (released for the Windows operating system) and configured by video door phones of the system, if the system is small-sized (single-family systems): for the updating an Internet connection is required and it is not necessary to register to Urmet Cloud (for further details see the [Upgrading and configuring an IPerCom system](#) paragraph);
5. allows you to receive calls on a smartphone/tablet via the *CallMe* app, even without having a door phone or a video door phone in the apartment (for further details see the [IPerCloud mode](#) paragraph);
6. it allows the system logs to be displayed on the system *switchboards*<sup>2</sup> and *IPerCom Installer Tools* (in this case only if there is at least one server in the system), that is the events relating to system operations (call log, access point activity, user activity, alarms and so on);
7. it allows displaying on *switchboards* and *IPerCom Installer Tools* the system diagnostic, i.e. a set of information that allow understanding if all the devices connected to the system work properly and if they have been correctly updated and configured;
8. provides high cyber security in relation to the following points:
  - passwords used by system applications and devices,
  - system firmware update,
  - access to the system configuration,
  - calls to the *CallMe* app,
 (for further details see the [IT security of the IPerCom system](#) paragraph).
9. it does not have single vulnerability points both in case of systems without servers and in case of systems with several servers<sup>3</sup>;
10. it can work on an existing network with other already installed devices;
11. it is not necessary for the installer to have in-depth knowledge of IP networks: it is sufficient to have a basic knowledge of network equipment (switches, routers and PoE ports) and their connections;

<sup>1</sup> The presence of a server is however recommended for systems with more than 500 devices to better optimize the workload of the system and make the use of the IP network by the system more efficient.

<sup>2</sup> The *switchboard* allows the concierge staff of a building to manage the typical functions of a switchboard station: starting from version 3.2.0 of IPerCom the switchboard station is implemented not only with the Switchboard software application but also with a physical device with table support 1060/42.

<sup>3</sup> In systems with up to 1000 IP devices and/or 1000 users and only one server, there will only be a 15-minute downtime if it stops operation. With more than 1000 IP devices and/or 1000 users and only one server the disruption would be permanent; therefore, in these conditions, it is recommended to have more servers (at least 2) in the system, so that any malfunction of one of the servers is compensated for by the presence of the others, and this does not cause any disruption to the system.

12. allows you to manage technical assistance in two different ways:
  - connect remotely via *iPerCom Installer Tools* to the system (if the system is properly configured);
  - export the configuration file (typically <1MB) from *iPerCom Installer Tools* or video door phone and send it to assistance, which always imports it via *iPerCom Installer Tools*.
13. allows, through *iPerCom Installer Tools* and in systems with at least one server, to have the backup of the configuration file, even periodically (in automatic mode) on a USB stick (connected to the server);
14. allows, in systems with at least one system server, to automatically perform the firmware update of all devices via the server itself (appropriately configured and updated).

## 1.1 Upgrading and configuring an IPerCom system

The IPerCom system allows you to choose between 4 possible types of system:

- “Multi Block”, for large-sized installations;
- “Multiple Stairs”, for medium-sized installations with multiple stairs on a single block;
- “Single Stair”, for medium-sized installations with a single stair;
- “Villa kit (one-household)”, for single-family installations.

The first three types represent a medium or large sized system and the use of the *IPerCom Installer Tools* application for both updating and configuring the system to 3.3.0 version (or higher) is mandatory.

The last type represents a small-sized system: in this case the update is performed by the *Villa Kit Updater* application while the configuration is done directly via a video door phone of the system itself (*VOG<sup>7</sup>*, *Basic* or *MAX*).

**The update via IPerUpgrade is no longer supported by versions of IPerCom 3.3.0 or higher.**



*Both IPerCom Installer Tools and IPerCom Kit Villa Updater are applications for Windows.*



*For more information on the various types of systems supported, see the paragraph [Selecting the system topology \(model\) and the configurator structure](#).*

To configure a system, the *IPerCom Installer Tools* application and the *VOG<sup>7</sup>*, *Basic* and *MAX* video door phones use the same integrated application, the *configurator*: the operating mode is completely similar in both cases (for further detail see paragraph [The configurator](#)).



*In general, the single-family system can also be configured using IPerCom Installer Tools, but all the features of IPerCom Installer Tools are not necessary for configuring this type of system: therefore, to simplify the procedure, it is advisable to use the configurator integrated into the video door phones of the system itself.*



*If the single-family system does not have video door phones that integrate the configurator, it is mandatory to use the IPerCom Installer Tools application for configuration.*

To update a system, the application used by *iPerCom Installer Tools* and the *Villa Kit Updater* application have different functioning.

For all the details on how the *Villa Kit Updater* application works and more generally on the configuration of a “*Villa kit (one-household)*” type system, refer to the paragraph [Upgrading and configuring a single-family system](#).

In reference to the *iPerCom Installer Tools* application, please refer to the paragraphs below:

- [\*iPerCom Installer Tools application\*](#), for a general introduction to the application;
- [\*Upgrading a system through iPerCom Installer Tools\*](#), for the upgrade of a system;
- [\*Commissioning a system through iPerCom Installer Tools\*](#), for the configuration of a system.

Registration to Urmet Cloud is mandatory both for updating and configuring a system with *iPerCom Installer Tools*: the PC (where the *iPerCom Installer Tools* application is installed) must therefore have an Internet connection.

**Without registration to Urmet Cloud, it is not possible to use the *iPerCom Installer Tools*.**

Below is a list of the main features of the application:

- check if a more up-to-date version than the one installed is available, then download and install it;
- detect the IPerCom version installed on a system;
- select which version of IPerCom you want to work with;
- select the IPerCom version to update the system to and then proceed with the upgrade;
- create a **project** to be associated with a system (**site**), if the system is still to be configured;
- modify and save a project with its configuration **only** on Urmet Cloud so as not to lose them (for example if the data on your PC is no longer available);
- import a project from PC and export a project to PC;
- import a project to a higher IPerCom version (import is possible for projects created starting from IPerCom 2.0.0);
- connection to the system (**site**) you want to configure;
- distribute the configuration associated with a project to the system (**site**);
- set the time of the system or retrieve its time;
- view the system diagnostics, that is view if all the devices are aligned with the same version of IPerCom, if they are correctly connected to the system and if the configuration is aligned across the entire system;
- view the system logs, for example list of calls, access to main doors and gates, alarms (this function is only available if there is at least one 1060/1 Server in the system);
- carry out a backup of the system configuration directly on your PC or in automatic mode on a USB stick connected to the 1060/1 Server;
- change the configuration of a system even remotely (with a remote system properly configured);
- use the *CallMe Manager* application to configure call forwarding;
- transfer of ownership of a system (**site**) to another installer or building manager;
- pre-activate the licenses for IPerCloud mode;
- view the history of pre-activated licenses;
- run the test mode for IPerCloud mode.

All these features, which will be explained in detail in this manual, make *IPerCom Installer Tools* a useful and versatile tool for the installer.



*The system technical manual for the installer is intended as a manual for setting up an IPerCom system, so for the use and the detailed installation of the single devices and software applications please refer to the relevant user and installation manuals, available on the website [www.urmet.com](http://www.urmet.com).*



*In this manual, calling station means a generic call module or entry panel of the system, while an apartment station means a video door phone or door phone in an apartment.*

## 1.2 IT security of the IPerCom system

To increase the IT security of the IPerCom system, some changes have been introduced regarding the following points:

- passwords used by applications and system devices;
- access to the configuration of a system;
- firmware update of a system via *IPerCom Installer Tools*;
- calls to smartphones/tablets on which the *CallMe* app has been installed and configured (real-time calls via the Internet).

### 1.2.1 Password security and remedies to prevent brute force attacks

#### 1. The complexity of new passwords must meet the requirements below:

- minimum length: 8 characters,
- maximum length: 19 characters,
- presence of at least one uppercase character,
- presence of at least one lowercase character,
- presence of at least one numeric character,
- presence of at least one special character.



*If your password does not meet these requirements, a dialog box listing all the above requirements is displayed.*

Therefore, there must be no fixed passwords, which can easily be recovered by attackers to carry out attacks on the system

The passwords subject to this change are detailed below:

- installer password, both when it is entered when creating the configuration of a new project and when it is modified (from *configurator* or *IPerCom Installer Tools*);
- password to start the *Switchboard* application (entered from the *configurator*);
- password to enable RTSP streaming video of one or more calling stations;
- password (when requested) to change the date and time from the video door phones *VOG<sup>7</sup>*, *Basic* and *MAX*.



*This manual will explain in detail where the passwords listed above appear and their use.*



*In the case of IPerCom systems created with versions prior to version 3.1.0, the old passwords continue to be valid even if they do not satisfy the above requirements. However, it is advisable to modify them as previously written.*



*The Urmet Cloud registration passwords for the IPerCom Installer Tools, CallMe Manager and CallMe applications already meet the above requirements in versions prior to 3.1.0.*


2. Because of point 1), the fixed password "1937" (where present) has been removed from the applications and devices of the IPerCom system.
3. Protection against "brute force" attacks aimed at discovering passwords in use.

To protect applications and software from possible "brute force" attacks, it is necessary to wait 5 seconds to enter a new password (if the previous one was wrong). This delay, combined with the new password security requirements, makes this type of attack practically impractical for an attacker.

### 1.2.2 Access to a system configuration

To ensure a high level of security regarding access to the configuration of an IPerCom system, it is necessary to follow the instructions below based on the type of system model you wish to configure. The available system models are listed below:

- “Villa kit (one-household)”, for single-family installations,
- “Single Stair”, for medium-sized installations with a single stair,
- “Multiple Stairs”, for medium-sized installations with multiple stairs on a single block,
- “Multi Block”, for large-sized installations.


 For further details on the 4 system models above, see the paragraph [Selecting the system topology \(model\) and the configurator structure](#).

The instructions to follow are different depending on whether you choose the “Villa kit (one-household)” model or one of the last 3 models listed, as explained below.

#### “SINGLE STAIR” OR “MULTIPLE STAIRS” OR “MULTI BLOCKS” SYSTEM

For these models, the presence of the installer and building manager is required to guarantee the safety of the system. Both play a specific role using specific applications, as shown below:

- *IPerCom Installer Tools* (Windows application) for the installer (registration on Urmet Cloud is required and therefore the PC where the *IPerCom Installer Tools* application is installed must have an Internet connection);
- *CallMe Manager* (Windows application) for the building manager (registration on Urmet Cloud is required and therefore the PC where the *CallMe Manager* application is installed must have an Internet connection).

 Both applications cannot work without registration to Urmet Cloud.

The list of actions to be carried out by the installer and building manager is shown.

## INSTALLER

The installer, after installing the system, uses the *IPerCom Installer Tools* application to:

- create an Urmet Cloud account and authenticate with this account on Urmet Cloud by means of *IPerCom Installer Tools* (see paragraph [Urmet Cloud authentication](#));
- update the system if necessary (see paragraph [Upgrading a system through IPerCom Installer Tools](#));
- create a new project (see paragraph [Creating a new project](#));
- connect to the system (see paragraph [Connecting to the system and transferring the configuration](#));
- create a configuration with the related password to access the configuration itself (see paragraph [The configurator](#));
- distribute the configuration to the system (see paragraph [Connecting to the system and transferring the configuration](#));
- invite the building manager via email to acquire ownership of the plant site (see paragraph [Transfer of the ownership of the site from installer to a building manager](#)).



*The email sent by the installer to the building manager contains the links to download the CallMe Manager application and related manual and a third link to acquire ownership of the system site.*



*Authentication on Urmet Cloud ensures that projects can only be opened by the authorized installer, i.e. the same installer who created the project, and by no one else, unless the authorized installer transfers his authorization to a second installer. Without this transfer of authorization, any attempt to open a project by an unauthorized installer is blocked by the application.*

## BUILDING MANAGER

The building manager, after acquiring ownership of the plant site, uses the *CallMe Manager* application to:

- suspend the installer once he has finished the configuration phase and the same configuration has been applied to the system (this is useful to prevent the installer from making changes to the system without the building manager's knowledge);
- re-enable the installer (if you need to make new configuration changes) and suspend it again;
- change installer (if necessary);
- invite a new building manager to transfer ownership of the site (if necessary).



*For further information, consult the [CallMe Manager application booklet](#) in the download area relating to IPercom.*



No installer, other than the one authorized by the building manager, can make changes to the system.

**Managing an IPerCom system with the IPerCom Installer Tools and CallMe Manager applications therefore guarantees a high safety standard for the "Single Stair", "Multiple Stairs" and "Multiple Blocks" system types.**

#### ***"VILLA KIT (ONE-HOUSEHOLD)" SYSTEM***

In this case the, after a possible update, configuration does not require the use of specific applications and the role of a building manager is not required. In fact, given that the system generally consists of a calling station and one or more video door phones, the configuration can be done by the installer directly from the VOG<sup>7</sup>, MAX or Basic video door phones (after entering the installer password). Once the configuration has been completed, the owner of the apartment **must always block the system** with the VOG<sup>7</sup>, MAX or Basic video door phones using an appropriate password and no one will be able to access the configuration again.



For further information, see the paragraph [\*\*\*Upgrading and configuring a single-family system.\*\*\*](#)

The owner can unlock the system to allow access to the installer (when it is necessary to make substantial changes to the configuration): once the installer has made changes to the system, the owner can lock it again.

Changing the installer password does not require knowing the previous one. This means that if the owner decides to change installer, the new installer can enter his own password without knowing that of the previous installer. Similarly, if the installer has more simply forgotten the password, he can enter a new one without entering the previous one.

Finally, the owner can change the installer password if necessary.


**The management of an IPerCom system of the "Villa kit (one-household)" type therefore guarantees a high safety standard if the system itself is blocked by the owner of the apartment after the installer has finished the configuration part.**

### 1.2.3 Updating the firmware of a system

To update an IPerCom system, you must follow the instructions below depending on the type of system you want to update.

The available system models are listed below:

- “Villa kit (one-household)”, for single-family installations,
- “Single Stair”, for medium-sized installations with a single stair,
- “Multiple Stairs”, for medium-sized installations with multiple stairs on a single block,
- “Multi Block”, for large-sized installations.

 For further details on the 4 system models above, see the paragraph [Selecting the system topology \(model\) and the configurator structure](#).

The instructions to follow are different depending on whether you choose the “Villa kit (one-household)” model or one of the last 3 models listed, as explained below.

#### “SINGLE STAIR” OR “MULTIPLE STAIRS” OR “MULTI BLOCKS” SYSTEM

The firmware update of a system to version 3.3.0 (or higher) must be performed via *IPerCom Installer Tools* after authenticating to Urmet Cloud: this requires having an Internet connection available on the PC where *IPerCom Installer Tools* is installed.

 **Upgrading to version 3.3.0 (or higher) via the *IPerUpgrade* application is no longer supported.**

Depending on whether the system is only installed or installed and already configured, the rights to be able to update the system are different.

If the system is only installed but has not yet been configured, any installer can proceed to update the system (via *IPerCom Installer Tools*) after authenticating to Urmet Cloud.

If the system is installed and configured, only the **authorized installer** can proceed to update the system (via *IPerCom Installer Tools*) after authenticating to Urmet Cloud. In general, the **authorized installer** is the installer who configured the system.

An installer other than the authorized one does not have permission to perform the firmware update: in fact, after authentication to Urmet Cloud, the *IPerCom Installer Tools* application notifies the installer that he does not have the rights to update the system.



If after configuring a system or in general after making changes to the system configuration, the building manager suspends the installer, the latter is not authorized to update the system until he is re-enabled by the building manager.



If the installer is replaced by the building manager with a new installer, the first installer no longer has the rights to update the system.

If a system has been updated to version 3.3.0 (or higher), any other update (even to versions lower than 3.3.0) must always be performed via *IPerCom Installer Tools* and not via *IPerUpgrade*. The installer who can perform the update is always the authorized one, as reported above.

In general, starting from IPerCom version 3.3.0, the *IPerCom Installer Tools* application can update a system to a generic version of IPerCom, regardless of the IPerCom version present on the system itself.



The *IPerUpgrade* application allowed to update the system without checking whether the installer was authorized or not. Updating a system through *IPerCom Installer Tools* makes the operation safer as it is not allowed to any installer.



The *IPerUpgrade* application can update systems to IPerCom versions up to 3.2.0, provided that the version already present on the system is not version 3.3.0 or higher.

#### **"VILLA KIT (ONE-HOUSEHOLD)" SYSTEM**

The firmware update of a system to version 3.3.0 (or higher) must be performed via the *Villa Kit Updater* application: in this case authentication on Urmet Cloud is not required but it is mandatory that the PC where the *Villa Kit Updater* application is installed has an Internet connection available.

If a system has been updated to version 3.3.0 (or higher), any other update must always be performed via *Villa Kit Updater* application and not via *IPerUpgrade*.

*Villa Kit Updater* application can only update a single-family system: downgrade procedure is not supported.



Upgrading to version 3.3.0 (or higher) via the *IPerUpgrade* application is no longer supported. The *IPerUpgrade* application can update systems to IPerCom versions up to 3.2.0, provided that the version already present on the system is not version 3.3.0 or higher



**Regardless of whether the system is not configured or has been configured via the VOG<sup>7</sup>, Basic or Max video door phones, any installer can proceed with the system update, since authentication on Urmet Cloud is not required.**

For full details on the *Villa Kit Updater* application see the following paragraphs:

- [Upgrading and configuring a single-family system,](#)
- [Upgrading a single-family system through app Villa Kit Updater.](#)

#### 1.2.4 Calls to *CallMe* app (real-time calls over the Internet)

All devices (except *Call Module* 1060/12-13-17-18-23 and *Entry Panel* 1060/71-74-75-78) that can make calls to smartphones/tablets, that have *CallMe* app installed, have the **SRTP** (*Secure Real Time Protocol*) protocol active (this option cannot be changed).

Devices generally mean calling stations, door phones and video door phones (for further information on IPerCom devices see [IPerCom devices and features offered by the system](#)).


The **SRTP** (*Secure Real Time Protocol*) protocol guarantees high security of real-time communication on the Internet thanks to the following features:


- audio/video stream encryption (to protect data from interception),
- data integrity (to detect any changes to packets),
- protection against replay attacks (using tokens).

### 1.3 IPerCloud mode

The IPerCloud mode, integrated into the IPerCom system starting from version 3.0.0, allows to receive calls on the “Urmet CallMe 2023 ed.” app (for smartphones/tablets) without the need for a door phone or video door phone in apartment: in this mode, the apartments are defined as **IPerCloud apartments**.


The “Urmet CallMe 2023 ed.” app is available for both Android (minimum version 8) and iOS (minimum version 13) and in this manual it will simply be called the *CallMe* app.

 *In general, the CallMe app can be used with IPerCom systems with a minimum version of 2.1.0. For versions below 2.1.0, it is necessary to use “Urmet CallMe” app available for both Android (minimum version 5) and iOS (minimum version 12.5).*


 *The call forwarding to a smartphone/tablet is also possible with versions of IPerCom prior to version 3.0.0, with the only difference that a door phone or a video door phone is required in the apartment.*

The IPerCloud mode requires the use of licenses to function. These licenses have a duration of 5 years or 15 years and are distributed in versions from 1 to 200 users. Licenses can be renewed for one year through *CallMe* in-app purchase.

The *CallMe* app naturally requires an Internet connection on your smartphone/tablet to function correctly. In cases where Internet coverage is absent or unstable, it is possible to forward the call over the GSM (smartphone/tablet) or landline phone network, thus avoiding potential disruptions and making the system more reliable.

 *The call to the GSM or landline phone network, if enabled, is forwarded both in the presence and absence of an Internet connection. In the first case, the call arrives approximately 10 seconds after the call forwarded through the CallMe application. If the user answers the call via the app, the call forwarded to the GSM or landline phone network is cancelled.*

The call forwarding service to the GSM or landline phone network is linked to licenses and has a duration of 30 days for 15-year licenses and a duration of 5 years for 5-year licenses. In both cases, renewal can be done through *CallMe* in-app purchase and is valid for one year.

 *For 5-year licenses, renewing the license for one year also includes the renewal of the call forwarding service to the GSM or landline phone network for one year. For 15-year licenses, after 30 days, it is possible to renew only the call forwarding service to the GSM or landline phone network for one year.*

The configuration of the IPerCloud mode requires the mandatory use of the following applications to be used in the following order:

- *IPerCom Installer Tools* (Windows application) for the installer (registration on Urmet Cloud is required),
- *CallMe Manager* (Windows application) for the installer and building manager (registration on Urmet Cloud is required),
- *CallMe* (Android or iOS smartphone/tablet application) for the end-user (registration on Urmet Cloud is required).

The first two applications are available on the [www.urmet.com](http://www.urmet.com) website, the third is available on the respective app stores.

Below is the list of actions to be carried out by the installer, building manager and end-user for correct configuration of an IPerCom system in IPerCloud mode.

## INSTALLER

The installer uses the *IPerCom Installer Tools* application to:

- create an Urmet Cloud account and authenticate on Urmet Cloud with this account,
- create a system configuration with IPerCloud apartments,
- enable the *test mode* (from the *configurator*) and then verify that the call to a test IPerCloud apartment from any calling station reaches the *CallMe* application without pre-activating (and therefore wasting) any license,
- disable the test mode (from the *configurator*),
- pre-activate license bundles.

The installer uses the *CallMe Manager* application (authenticating with the same account as *IPerCom Installer Tools*) to:

- activate the licenses and apply them to the IPerCloud apartments,
- transfer the property of the site to the building manager via invitation sent via email.

All these features will be explained in detail in the relevant paragraphs.



*Creating the configuration in IPerCom systems in IPerCloud mode must be done exclusively by IPerCom Installer Tools. Any changes must also always be made by IPerCom Installer Tools starting from the relevant project (see paragraph [How to use IPerCom Installer Tools for the configuration of a system](#)).*

## **BUILDING MANAGER**

The building manager must first accept the invitation sent by the installer, then use the *CallMe Manager* application to:

- create an Urmet Cloud account and authenticate on Urmet Cloud with this account,
- acquire the site created by the installer,
- generate letters (pdf format) with the QR-code,
- send letters via email or post to users.



*Printing the letters in PDF is an activity that the installer could also do via the CallMe Manager application, after assigning the licenses. Once printed, the installer can send them via email to the building manager, who forwards them to the various apartment residents.*

The point of union between the two apps is the transfer of the ownership of the site from the installer to the building manager, meaning by site the topological structure of the system. The transfer takes place, as already mentioned, by means of an invitation sent via email from the installer to the building manager via the *CallMe Manager* application.



*The topological structure (of the system) is intended as a simplified map of the various elements that compose it (blocks, stairs, floors, and apartments) and their relative positioning.*



*For further details on the use of the CallMe Manager app, see paragraph [Configuring the call forwarding function in IPerCom systems in IPerCloud mode](#), where the main steps to activate the license bundles, associate the licences to an apartment and print the relevant QR codes are shown. For more detailed information, please refer to the app user manual which can be downloaded from the website [www.urmet.com](http://www.urmet.com).*

## **END-USER**

The end-user uses the *CallMe* application to:

- create an Urmet Cloud account and authenticate on Urmet Cloud with this account,
- scan the QR code sent by the building manager to associate the account (created in the previous point) with the apartment.

Once this is done, you can receive the call to an IPerCloud apartment on your smartphone/tablet.



For further details on using the CallMe app, see the paragraph [Configuring the call forwarding function in IPerCom systems in IPerCloud mode](#), where the fundamental steps to follow to receive a call from an IPerCloud apartment will be illustrated. For more detailed information, please refer to the app user manual which can be downloaded from the website [www.urmet.com](http://www.urmet.com).

The various points reported above can be summarized as follows:

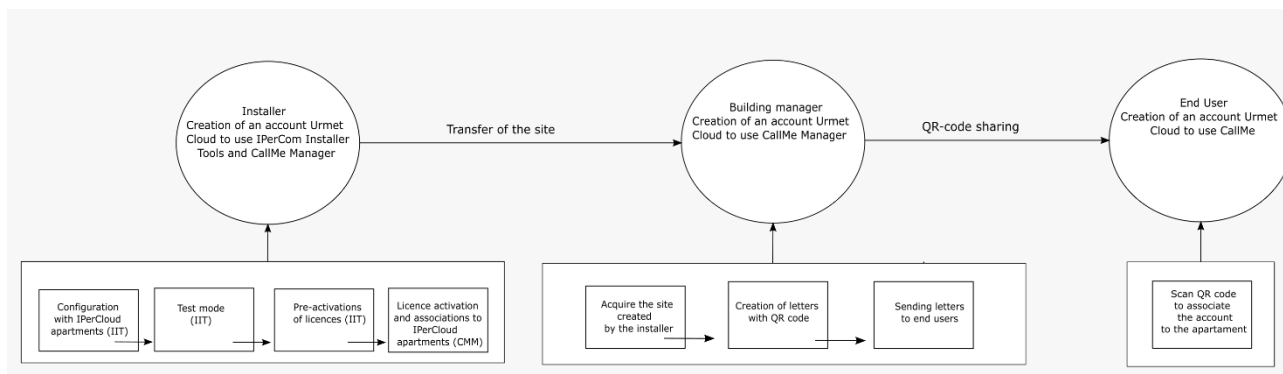


Figure 1: IPerCloud mode configuration

Since the IperCloud mode is integrated into the IPerCom system, it is important to underline that all the IPerCom functions are also available for the IPerCloud apartments (for example access control and activations); therefore, everything written for the Ipercom system also remains valid for the Ipercloud mode, except where explicitly indicated.

## 2 IPerCom devices and features offered by the system

IPerCom system 3.3.0 supports the devices indicated below<sup>4</sup>:

- Server:
  - *IPerCom Server 1060/1*
- Switchboards:
  - *Switchboard* (PC software application) 1060/41<sup>5</sup>
  - *Switchboard* (physical device with table support) 1060/42
- Calling stations:
  - *Call module* soft touch 1060/12-13 and vandal-proof 1060/17-18
  - *Vandal-proof call module* 1060/23
  - *Modular entry panel with* 1060/48
  - *Entry panel* 1060/71-74-75-78
  - *Entry panel* 1060/33
  - *Entry panel* 1060/34
  - *Entry panel* 1060/21
  - *Private Call Module* 1060/22
- Apartment stations:
  - *Video door phone 7" VOG<sup>7</sup>* 1761/31-32-33
  - *Video door phone 7" VOG<sup>7</sup>* 1761/31U-33U
  - *Video door phone 5" VOG<sup>5+</sup>* 1761/15-16-18-19
  - *Video door phone 5" VOG<sup>5+</sup>* 1761/15U-16U
  - *Video door phone 5" VOG<sup>5</sup>* 1761/6
  - *Video door phone 7" MAX* 1717/31-32-33-34-41
  - *Video door phone 10" MAX* 1717/21-22-23
  - *Video door phone 10" MAX* 1717/21U-23U
  - *Video door phone 7" Basic* 1741/1-2-3
  - *Video door phone IPerCom Client* 1060/43 (software application)
  - *Video door phone 10"* 1761/23 (for the Chinese market only)
  - *Door phone Miro* 1160/3
- Key Readers:
  - *Key reader* 1060/45
  - *Key reader* 1060/86
- Relay Actuators:
  - *Relay Actuator* 1060/84 v. 2.07
  - *Relay Actuator* 1060/84 v. 3.04
  - *Relay Actuator* 1060/84 v. 4.05
- Integration Devices:
  - *IPerTalk Server / IPerTalk Server V1*
  - *IPassan Controller*
  - *2Voice Gateway* 1083/59

<sup>4</sup> IPerCom supports a maximum of 20 apartment stations per apartment and a maximum of 10 switchboards 1060/41.

<sup>5</sup> The *switchboards* (both the PC application and the physical device) supports event log and diagnostic functions. For further details see the user manuals on [www.urmet.com](http://www.urmet.com).

- Other Devices:
  - *IPerCom Clock Module 1060/85*
  - *Lift Interface 1060/37*
  - *RTSP Camera*
  - *RTSP Camera (NVR)*



*It is recommended to have a maximum of 200 devices in an IPerCom system including Key Reader 1060/45, Key Reader 1060/86, Relay Actuators 1060/84, and Lift Interface 1060/37.*



*The set of supported devices for each version of IPerCom officially released is reported in [APPENDIX W: Devices supported by IPerCom versions](#).*

IPerCom 3.3.0 system supports the following services:

- Audio/video communication on calls from calling station to an apartment station and on intercom calls,
- Opening of the main door and gate from apartment stations during call and conversation with calling stations,
- Auto-on on all calling stations and *RTSP Cameras* from all video door phones of the system (for *VOG<sup>5</sup>* and *VOG<sup>5+</sup>* video door phones, see the list of supported *RTSP Cameras* in [APPENDIX X: RTSP Cameras supported by IPerCom video door phones](#)),
- Access control,
- Addition of 2Voice type columns to the IPerCom system through the *2Voice Gateway* 1083/59,
- Display of the system logs (if there is at least one *Server* 1060/1 in the system) and the diagnostic through the *IPerCom Installer Tools* application (both services are available on the *Switchboard* even without the presence of a *Server* 1060/1 in the system),
- Activation of *Relay Actuator* 1060/84 outputs through:
  - system events,
  - events on *Relay actuator* inputs (starting from firmware version 3.04),
  - scheduling.
- Calling station gate contact configurable as 1060/84 *Relay Actuator* output,
- System alarm generation through events on *Relay actuator* 1060/84 inputs (starting from firmware version 3.04),
- User detection function, that is the passage of a proximity key or the entering of an opened door key code associated with a resident or non-resident, in addition to opening the access point, also activates one or more outputs of a *Relay Actuator* depending on the user,
- Remote relay, remote hall button and (door left opened) remote sensor functions (by means of *Relay Actuators* with firmware version 4.05),
- Control of one or more lifts through the *Lift Interface* 1060/37,
- Call divert to another apartment or to switchboard,
- Firmware upgrade via *IPerCom Installer Tools* or *Villa Kit Updater* applications for Microsoft Windows (available at [www.urmet.com](http://www.urmet.com)) or via *Server* 1060/1,
- IPassan advanced access control and IPerTalk system integration,
- IPerCloud mode integration,
- Floor call button on apartment station configurable as an alarm button,
- Hall button configurable as switchboard call button,
- Services on Android and iOS smartphones/tablets via *CallMe* app:
  - Call forwarding on smartphone/tablet,
  - Auto on on IPerCom calling stations,
  - Intercom calls to apartment stations,
  - Display of missed calls with snapshot from calling stations,
  - Opening of main doors and gates during and outside calls,
  - Sending commands to activate the outputs of one or more *Relay Actuators*,
  - Alarm history display with emergency call,
  - Renewal of licenses with in app purchase (only in IPerCloud mode),
  - Callback to a landline or GSM telephone network if Internet coverage is absent (only in IPerCloud mode),

- Sharing of the service up to 3 users (in IPerCloud mode sharing is up to 9 users).
- Switchboard service:
  - Day mode to intercept calls,
  - Night mode,
  - Stand-by with divert function on other switchboards,
  - Door opening,
  - Display of active calls on the system,
  - Visual and acoustic signalling of alarms with logs of received and reset alarms,
  - Auto-on function on calling stations and *RTSP Cameras*,
  - System logs displayed in 2 different modes,
  - Diagnostic function,
  - Activation of *Relay actuator* 1060/84 outputs (even through code),
  - *Lift Interface* 1060/37 relay activation,
  - Call forwarding to Android and iOS smartphones/tablets via app *CallMe*,
  - Alarm, apartment call and door opener services available also via maps (function not available for the 1060/42 *Switchboard*).

IPerCom system 3.3.0 supports the following licences for the IPerCloud mode:

- *5 years 1 user license (5Y) 1065/001,*
- *5 years 10 users license (5Y) 1065/010,*
- *5 years 50 users license (5Y) 1065/050,*
- *5 years 100 users license (5Y) 1065/100,*
- *5 years 200 users license (5Y) 1065/200,*
- *15 years 1 user license (LT) 1065/601,*
- *15 years 10 users license (LT) 1065/610,*
- *15 years 50 users license (LT) 1065/650,*
- *15 years 100 users license (LT) 1065/700,*
- *15 years 200 users license (LT) 1065/800.*



*The 5Y license includes the callback service on the landline/GSM network for a period of 5 years while for the LT license the same service has a duration of 30 days.*

## 2.1 Server 1060/1

The *Server 1060/1* is a device required to manage large installations (with more than 1000 IP devices and/or 1000 users) and to have the System Logs available on *IPerCom Installer Tools*. It is possible to configure up to 4000 IP devices and 10000 users with at least one *Server 1060/1* in the system. The *Server 1060/1*, properly configured, can also update independently the various devices of the system: this means that it is sufficient to upgrade only the *Server 1060/1*, which will upgrade the rest of the system.

It is mandatory that all *servers* connected to the system are configured (and therefore added to the configuration) via *IPerCom Installer Tools*: if this is not the case (i.e. *servers* connected but not configured) the system will not work properly.

It is strongly recommended to connect a UPS (uninterruptible power supply) device to the *Server 1060/1*, to avoid irreparable damage caused by possible voltage drops and sudden power outages. The UPS models currently supported are BK350EI/BK500EI/BK650EI. *IPerCom Installer Tools* be used to obtain information about the UPS parameters, including the battery charge level. Appendices P1, P2 and P3 contain detailed information on how to properly turn 1060/1 *Server* on and off, how to connect it to the UPS device and how to replace it in case of failure.



For the correct system configuration see the paragraph [The configurator](#).

## 2.2 Call Module 1060/12-13-17-18

The *Call Module* 1060/12-13-17-18 is a call station with 3.5" colour display and alphanumeric keyboard.

The graphic display allows access to various functions (such as the residents' address book, direct call to the relevant switchboard, door opening via numeric code) and the display of a welcome message (the display is switched on automatically by means of a proximity sensor).

The Call Module can independently control two different outputs. The first is used to open a pedestrian door, the second to control the gate opening control unit of a possible garage gate.

The device allows access to the pedestrian door and to the driveway also by means of an integrated proximity key reader (with 125KHz technology) or by typing a user code on the alphanumeric keypad; in the latter case it also allows managing the anti-coercion function through which a silent alarm is sent to the gatekeeper lodge exchange at the same time as the door is opened.

It is also possible to set access to the pedestrian door and the driveway through both the reading of a key and the typing of a code (both enabled).

The version 1060/12-13 features a soft-touch alphanumeric keypad and glass panel, while the version 1060/17-18 features a vandal resistant steel front panel.

It can be used in both 50Hz (1060/13-18) and 60Hz (1060/12-17) systems.

## 2.3 Call Module 1060/23

The *Call Module* 1060/23 is a call station with 3.5" colour display, alphanumeric keyboard, and steel vandal resistant front panel.

The graphic display allows access to various functions (such as the residents' address book, direct call to the relevant switchboard, door opening via numeric code) and the display of a welcome message (the display is switched on automatically by means of a proximity sensor).

The *Call Module* can independently control two different outputs: the first one used to open a pedestrian door, the second one to control the gate of a driveway.

The device allows access to the pedestrian door and to the driveway also by means of an integrated proximity key reader (with MiFare Plus technology) or user code on the alphanumeric keypad; in the latter case, it also allows managing the anti-coercion function through which a silent alarm is sent to the gatekeeper lodge exchange at the same time as the door is opened.

It is also possible to set access to the pedestrian door and the driveway through both the reading of a key and the typing of a code (both enabled).

It can be used in both 50Hz and 60Hz systems.

## 2.4 Modular calling station with 1060/48

*Modular Calling Station with 1060/48* is a calling station consisting of an IP audio and video outdoor station 1060/48 with 2 call buttons, based on Alpha mechanics with single-module. The calling station can be extended up to a maximum of 45 buttons on one row or 90 buttons on two rows by means of proper expansion modules 1168/4 and 1168/8.

The *Modular calling station with 1060/48* can independently control two different outputs: the first one used to open a pedestrian door, the second one to control the gate opening control unit of a possible driveway.

On the IP audio and video outdoor station 1060/48 there are 3 LEDs for signalling the system status (call in progress, line busy, door open and other). System status can also be signalled via vocal messages.

For more details on configuration of the *Modular Calling Station with 1060/48*, see related [booklet](#).

It can be used in both 50Hz and 60Hz systems.

### 2.4.1 Call module

The IP audio and video outdoor station 1060/48 with the display module 1168/1 and the numeric keypad 1168/46 make up the standard configuration of a call module.

The display module 1168/1 allows access to various functions (such as the residents' address book, direct call to the relevant switchboard, door opening via numeric code) and the display of a welcome message.

The IP audio and video outdoor station 1060/48 can independently control two different outputs: the first one used to open a pedestrian door, the second one to control the gate opening control unit of a possible driveway.

On the IP audio and video outdoor station 1060/48 there are 3 LEDs for signalling the system status (call in progress, line busy, door open and other). System status can also be signalled via vocal messages.

The call module allows access to the pedestrian door and the driveway also by entering a user code on the numeric keypad 1168/46. In the latter case, it is also possible to manage the anti-coercion function through which a silent alarm is sent to the concierge switchboard at the same time as the door is opened.

Using the extended configuration like call module it is possible to integrate a proximity key reader module 1168/45 (with MiFare Plus technology) for access control.

For more details on configuration of the Alpha call module, see the links to the booklets below:

- [IP audio and video outdoor station 1060/48;](#)
- [Display module 1168/1;](#)
- [Key reader module 1168/45;](#)
- [Numeric keypad 1168/46.](#)

It can be used in both 50Hz and 60Hz systems.

## 2.5 Entry Panel 1060/71-74-75-78

The *Entry Panel* 1060/71-74-75-78 is a calling station with 2 push buttons (only 1 for 1060/71).

By means of special add-on modules it is possible to extend the buttons up to a maximum number of 32.

The *Entry Panel* can independently control two different outputs. The first is used to open a pedestrian door, the second to control the gate opening control unit of a possible garage gate.

It can be used in both 50Hz (1060/74) and 60Hz (1060/75) systems.

The one-button version 1060/71 is to be used in 50Hz systems.

The *Entry Panel* 1060/78 It can be used in both 50Hz and 60Hz systems.

## 2.6 Entry Panel 1060/21

The *Entry Panel* 1060/21 is a vandal-proof calling station with a single push button with weather-proof zama front.

It can independently control two different outputs. The first is used to open a pedestrian door, the second to control the gate opening control unit of a possible driveway.

The *Entry Panel* integrates a proximity key reader (with MiFare technology) for access control only for the pedestrian door.

It can be used in both 50Hz and 60Hz systems.

### 2.6.1 Villa Kit with *Entry Panel* 1060/21 in IPerCloud mode

The villa kit with Mikra entry panel 1060/21 in IPerCloud mode is aimed at a single-family unit and does not require the use of the *IPerCom Installer Tools* and/or *CallMe Manager* applications for the initial configuration. All configuration operations can be performed by simply scanning a specific QR-code with the *CallMe* app. The license automatically provided on the *CallMe* application (via the previously scanned QR-code) is of the LT type (15 years) with 1 month of fallback service on landline/GSM included. For further information, consult the [relevant booklet](#).

## 2.7 Entry panel Mikra Plus 1060/33

The *Entry panel 1060/33* is a call station with a 3.5" display and weatherproof zamak faceplate.

The graphic display allows accessing a directory with 4 names (the display switches on automatically thanks to a proximity sensor).

It can independently control an output to open a pedestrian door and a second output to control the gate of a possible driveway.

Visual and acoustic (vocal messages) signalling of system status (call in progress, line busy, door open, etc.).

It can be used in both 50Hz and 60Hz systems.

## 2.8 Entry panel Mikra Digital 1060/34

The *Entry panel 1060/34* is a call station with a 3.5" display and weatherproof zamak faceplate.

The graphic display allows accessing the resident directory (the display switches on automatically thanks to a proximity sensor).

It can independently control an output for pedestrian door and a second output to control the gate of a possible driveway.

Visual and acoustic (vocal messages) signalling of system status (call in progress, line busy, door open, etc.).

It can be used in both 50Hz and 60Hz systems.

## 2.9 Private Call Module 1060/22

The *Private Call Module 1060/22* is a one-push button call station to be installed directly outside the main door of the apartment.

It can only call the apartment station of the apartment to which the call station is associated.

Apartment station can make auto-on on the *Private Call Module*.

## 2.10 Video door phone 7" VOG<sup>7</sup> 1761/31-32-33

The video door phone VOG<sup>7</sup> 1761/31-32-33 is a hands-free video door phone apartment station with a 7" touch-screen.

The video door phone allows call forwarding to smartphones / tablets through the CallMe app (for Android and iOS), as well as allowing normal video door phone functions (also via gesture or voice commands).

Through the video door phone, the IPerCom system can be configured in the "Villa Kit (one-household)" system topology only.

Versions 1761/31-33 also integrate light and shutter automation (via integrated Yokis remote control), intrusion detection and video surveillance functions.

Version 1761/32 integrates only intrusion detection and video surveillance functions.

## 2.11 Video door phone 7" VOG<sup>7</sup> 1761/31U-33U

The video door phone VOG<sup>7</sup> 1761/31U-33U is a hands-free video door phone apartment station with a 7" touch-screen.

The video door phone allows call forwarding to smartphones / tablets through the CallMe app (for Android and iOS), as well as allowing normal video door phone functions (also via gesture or voice commands).

Through the video door phone, the IPerCom system can be configured in the "Villa Kit (one-household)" system topology only.

Versions 1761/31U-33U also integrate light and shutter automation (via integrated Yokis UP remote control), intrusion detection and video surveillance functions.

For further details on Yokis UP, see the Urmet web page relating to the [Smart Home](#).



*The 7" VOG<sup>7</sup> 1761/31U-33U video door phones, apart from the light and shutter automation functions, are like the 1761/31-33 video door phones and therefore in this manual we will always refer to the versions without U.*

## 2.12 Video door phone 5" VOG<sup>5+</sup> 1761/15-16-18-19

The video door phone VOG<sup>5+</sup> 1761/15-16-18-19 is a hands-free video door phone indoor station with a 5" display and soft-touch keys.

The video door phone allows call forwarding to smartphones/tablets via the CallMe app (for Android and iOS), as well as enabling normal video door phone functions (also via gesture or voice commands).

Versions 1761/15-16 also integrate light and shutter automation (via integrated Yokis remote control).



*The video door phone VOG<sup>5+</sup> 1761/15-16-18-19 does not allow you to configure the IPerCom system or export the configuration file to an SD-card.*


### 2.13 Video door phone 5" VOG<sup>5+</sup> 1761/15U-16U


The video door phone VOG<sup>5+</sup> 1761/15U-16U is a hands-free video door phone indoor station with a 5" display and soft-touch keys.

The video door phone allows call forwarding to smartphones/tablets via the *CallMe* app (for Android and iOS), as well as enabling normal video door phone functions (also via gesture or voice commands).

Versions 1761/15U-16U also integrate light and shutter automation (via integrated Yokis UP remote control).

For further details on Yokis UP, see the Urmet web page relating to the [Smart Home](#).


 *The video door phone VOG<sup>5+</sup> 1761/15U-16U does not allow you to configure the IPerCom system or export the configuration file to an SD-card.*

 *The 7" VOG<sup>7</sup> 1761/15U-16U video door phones, apart from the light and shutter automation functions, are like the 1761/15-16 video door phones and therefore in this manual we will always refer to the versions without U.*

### 2.14 Video door phone 5" VOG<sup>5</sup> 1761/6

The video door phone VOG<sup>5</sup> 1761/6 is a hands-free video door phone apartment station with a 5" display and soft-touch buttons.

The video door phone allows call forwarding to smartphones / tablets through the *CallMe* app (for Android and iOS), as well as allowing normal video door phone functions (also via gesture commands).

 *The video door phone 1761/6 does not allow you to configure the IPerCom system or export the configuration file to an SD-card*

### 2.15 Video door phone 7" MAX 1717/31-32-33-34-41

The video door phone MAX 1717/31-32-33-34-41 is a hands-free video door phone apartment station with a 7" touch-screen display.

The video door phone allows call forwarding to smartphones / tablets through the CallMe app (for Android and iOS), as well as allowing normal video door phone functions (also via gesture or voice commands for 1717/3x versions).

Through the video door phone, the IPerCom system can be configured in the *"Villa Kit (one-household)"* system topology only.

Versions 1717/31-33 also integrate light and shutter automation (via integrated Yokis remote control), intrusion detection and video surveillance functions.

Versions 1717/32-34 integrates intrusion detection and video surveillance functions.

Version 1717/41 integrates only the video door phone functions.

### 2.16 Video door phone 10" MAX 1717/21-22-23

The video door phone MAX 1717/21-22-23 is a hands-free video door phone apartment station with a 10" touch-screen display.

The video door phone allows call forwarding to smartphones / tablets through the CallMe app (for Android and iOS), as well as allowing normal video door phone functions (also via gesture or voice commands).

Through the video door phone, the IPerCom system can be configured in the *"Villa Kit (one-household)"* system topology only.

The video door phone MAX 10" also integrate light and shutter automation (via integrated Yokis remote control), intrusion detection and video surveillance functions.

The video door phone MAX 10" 1717/22-23 are to be used for the Chinese market only.

## 2.17 Video door phone 10'' MAX 1717/21U-22U-23U

The video door phone MAX 1717/21U-22U-23U is a hands-free video door phone apartment station with a 10'' touch-screen display.

The video door phone allows call forwarding to smartphones / tablets through the *CallMe* app (for Android and iOS), as well as allowing normal video door phone functions (also via gesture or voice commands).

Through the video door phone, the IPerCom system can be configured in the “*Villa Kit (one-household)*” system topology only.

The video door phone MAX 10'' also integrate light and shutter automation (via integrated Yokis UP remote control), intrusion detection and video surveillance functions.

The video door phone MAX 10'' 1717/22U-23U are to be used for the Chinese market only.

For further details on Yokis UP, see the Urmet web page relating to the [Smart Home](#).



*The MAX 10'' 1717/21U-22U-23U video door phones, apart from the light and shutter automation functions, are like the 1717/21-22-23 video door phones and therefore in this manual we will always refer to the versions without U.*

## 2.18 Video door phone 1761/23

The video door phone 1761/23 is a hands-free video door phone apartment station with a 10" touch-screen display.

The video door phone allows call forwarding to smartphones / tablets through the *CallMe* app (for Android and iOS), as well as allowing normal video door phone functions (also via gesture or voice commands).

Through the video door phone, the IPerCom system can be configured in the "*Villa Kit (one-household)*" system topology only.

The 10" video door phone also integrate light and shutter automation (via integrated Yokis remote control), intrusion detection and video surveillance functions.

The 10" video door phone 1761/23 are to be used for the Chinese market only.

## 2.19 Video door phone 7" Basic 1741/1-2-3

The video door phone *Basic* 1741/1-2-3 is a hands-free video door phone apartment station with a 7" touch-screen display.

The video door phone allows call forwarding to smartphones / tablets through the *CallMe* app (for Android and iOS), as well as allowing normal video door phone functions (also via voice commands).

Version 1741/2 is to be used for the Chinese market only.

## 2.20 IPerCom Client video door phone 1060/43

The video door phone *IPerCom Client* 1060/43 is a software application for Windows PCs which integrates with the IPerCom system and implements all the functions of a video door phone apartment station without the need for a dedicated hardware device.

The video door phone allows call forwarding to smartphones / tablets through the *CallMe* app (for Android and iOS), as well as allowing normal video door phone functions.

Once installed, the application is enabled for operation via a special hardware key.



*The IPerCom Client application and the Switchboard application must be used on 2 different PCs.*

### 2.21 Miro door phone 1160/3

The *Miro* door phone 1160/3 is a hands-free audio apartment station.

It is provided with a door opening button and four buttons for optional functions, two of which are configurable for use in the IPerCom system.

In addition to the normal door phone functions, it also allows call forwarding to a smartphone/tablet via the *CallMe* app (for Android and iOS).

### 2.22 Relay actuator 1060/84 v. 2.07

The *Relay Actuator* 1060/84 is an IP device, which can be used to activate two electrical loads via double exchange relay capable of working in bistable or monostable timed mode. The activation of the relays in monostable or bistable mode occurs through events generated by *Call Module*, *Entry Panel*, *Modular Entry Panel with 1060/48*, *Private Call Module*, *Key Reader*, *apartment station* or locally through the inputs of the *Relay Actuator* itself.

### 2.23 Relay actuator 1060/84 v. 3.04

The activation of the relays in monostable or bistable mode occurs through events generated by call stations, key readers, and apartment stations or locally through the inputs of the *Relay Actuator*. The same inputs (properly programmed) can activate one or more outputs of several *Relay Actuators* and generate an alarm towards the *Switchboard* application.

### 2.24 Relay actuator 1060/84 v. 4.05

The *Relay Actuator* 1060/84 is an IP device, which can be used to activate two electrical loads via double exchange relay capable of working in bistable or monostable timed mode. The activation of the relays in monostable or bistable mode occurs through events generated by call stations, key readers, and apartment stations or locally through the inputs of the *Relay Actuator*. The same inputs (properly programmed) can activate one or more outputs of several *Relay Actuators* and generate an alarm towards the *Switchboard* application. The *Relay Actuator* 1060/84 with firmware version 4.05 is the only one that supports the remote relay function, remote entrance hall button and door open remote sensor.

## 2.25 Key Reader 1060/86

The *Key Reader 1060/86* is a 1-module IP device with Sinthesi Steel mechanics used to read proximity keys. The device is equipped with a relay output to control an electric lock and with an input available for a door opener button.

The electric lock is activated by passing a valid proximity key (with MiFare Plus technology) or pressing the door opener button.

When a key is passed, the reader, in addition to opening the relevant door, can activate one or more remote relay outputs (user activation function) depending on the user who passed the key.

## 2.26 Key Reader 1060/45

The *Key Reader 1060/45* is a 1-module IP device with Alpha mechanics used to read proximity keys. The device is equipped with a relay output to control an electric lock and with an input available for a door opener button.

The electric lock is activated by passing a valid proximity key (with MiFare Plus technology) or pressing the door opener button.

When a key is passed, the reader, in addition to opening the relevant door, can activate one or more remote relay outputs (user activation function) depending on the user who passed the key.

## 2.27 Switchboard 1060/41

The 1060/41 *Switchboard* implements the concierge switchboard functions via a PC on which the *SwitchBoard* software application must be installed, downloadable from the website [www.urmet.com](http://www.urmet.com). The 1060/41 door phone can be connected to the PC via the USB port and mini-jack audio connectors.



*Switchboard and IPerCom Client applications must be used on 2 different PCs.*



*For details on the operation of the Switchboard app, please refer to the relevant [booklet](#).*

## 2.28 Switchboard 1060/42

The 1060/42 desktop *Switchboard* implements the concierge switchboard functions via an industrial PC with a pre-installed software application. The industrial PC is equipped with a Windows 10 operating system, a 10" touch-screen display, a handset, a call speaker, a camera and a 230Vac local power supply. Connection to the IPerCom network via a LAN cable.



*For operating details of the Switchboard 1060/42 device, please refer to the relevant booklet which can be downloaded from the website [www.urmet.com](http://www.urmet.com).*

## 2.29 IPerCom Clock Module 1060/85

The *IPerCom Clock Module 1060/85* is a device that provides date and time to an *IPerCom* system if the latter does not include devices with an internal clock (RTC).

The minimum duration of the battery is 3 years.

## 2.30 Lift Interface 1060/37

The *Lift Interface 1060/37* is used to control the lift control units in order to enable the movement to the defined floors according to the apartment called.

The interfacing to the lift control units is typically made by changing the status of one or more inputs of these control units through the 24 control relays of the interface. The device is controlled directly from the system's IPerCom system; the relays drive the lift control unit in response to user actions. The lift interface allows enabling the lift to reach the desired floors according to certain system events (e.g. door opening following a call to an apartment, or entering a door opening code, or passing a key, etc.).

Operation can be in floor mode or apartment mode.

In the first mode it is possible to associate the control devices of the interface according to the apartment floor: in this case the apartments on the same floor share the same relay activation layout.

In the second mode, instead, it is possible to associate a different configuration for every single apartment (useful if several apartments are on the same floor with their own dedicated lift).

The events that activate the relays can be of 2 types:

- request for access from the outside to a certain floor or apartment (opening of an access point);
- request for access from the inside to a floor other than the one where you live.

For details on configuring the device, refer to paragraph:

[\*Adding a Lift Interface 1060/37 on a stair node,\*](#)

[\*Configuration parameters of IPerCom devices.\*](#)

### 2.31 Gateway IPerCom-2Voice 1083/59

The *Gateway IPerCom-2Voice 1083/59* allows integrating the 2Voice system with the IPerCom system: in detail, it allows the addition of a riser column (stair) of 2Voice audio / video apartment stations to an IPerCom system.

In this way, it is possible to create systems with an IPerCom common backbone on street side and 2Voice riser columns with only 2 non-polarized wires. Each riser column (associated with a gateway) can manage a maximum of 128 apartment stations, 127 users, 2 secondary door units on 2 backbones. It is therefore possible to have several main door units (*Call Modules* and *Entry Panels*) and switchboards (IPerCom) higher than the known limits of the 2Voice system (for further details, follow instructions in the 2Voice technical manual).

For device configuration details, follow instructions in the [Adding a Gateway IPerCom-2Voice on a stair node](#) and in [Configuration parameters of IPerCom devices](#).

### 2.32 IPassan controller

The *IPassan Controller* allows integrating the IPerCom system with the IPassan access control system. Integration concerns the following aspects:

- sending to the IPassan system a door opening request (pedestrian or driveway) coming from the IPerCom system with consequent access point opening;
- allowing the IPassan system to control any lifts in the system.

The integration is done by exporting from *IPerCom Installer Tools* an xml file (which shows the topology of the system and its devices) and manually importing this file on the IPassan system.

For further details see [APPENDIX N: IPassan integration with IPerCom](#).

### 2.33 IPerTalk Server

The *IPerTalk Server* allows integrating the iPerTalk system with the IPerCom system. This integration is useful to perform all the main video door phone functions (that is audio-video calls, gate opening and auto-on function) between the two systems.

For the details for the integration of the iPerTalk system with the IPerCom system, see [Integration with the iPerTalk system](#).

## 2.34 RTSP Cameras

*RTSP Cameras* are cameras that use the network protocol *Real Time Streaming Protocol* for the video streaming. The auto-on function on *RTSP Cameras* is available from all video door phones of the IPerCom system and from the *Switchboard* and *IPerCom Client* applications for video surveillance functions (in addition to auto-on on calling stations).



*The auto-on function on RTSP cameras for video door phones VOG<sup>5</sup> 1761/6 and VOG<sup>5+</sup> 1761/15-16-18-19 is available on a limited number of RTSP cameras: see the list of supported RTSP cameras in [APPENDIX X: RTSP Cameras supported by IPerCom video door phones](#).*

*RTSP Cameras* are not “native” IPerCom devices but can still be integrated into an IPerCom system by paying particular attention to the assignment of the IP address. For further details, see [APPENDIX E: How to use customized network settings in IperCom system](#).

### 2.34.1 RTSP Cameras (NVR)

The *RTSP Cameras* can also be integrated into the IPerCom system through Urmet **1098/324P-326P-328P** NVR devices if, for example, the network infrastructure requires having the *RTSP Cameras* on a different subnet from that of the IPerCom devices due to needs. For further details on integration see [APPENDIX L: RTSP Cameras with NVR Urmet device](#).

### 3 Basic concepts

*IPerCom* is based on the following basic concepts: *topology*, *topological group* and *topological path*.

#### 3.1 Topology

The **topology** of a building (or *site*) is a simplified map that considers the various elements that make it up and their relative positioning.

Typically, the types of elements that make up a building are: blocks, stairs, floors, apartments.

An example of a topology is provided in the following figure:



Figure 2: Example of a building topology

where there is a block containing two stairs; in stair “01” and “02” there are five floors with four apartments each: each of these elements is a **topological node** within the topology.

In *IPerCom* each topological node is assigned a two-digit alphanumeric code from “01” to “ZZ”, which is automatically assigned by the system when defining the system topology.

In the example given in [Figure 2](#) we will have a block with code “01” and inside of it a stair with code “01” and one with code “02”; inside each stair we will have floors with codes “01”, “02”, “03”, “04” and “05”, whereas inside each floor we will have apartments with codes “01”, “02”, “03” and “04”.

Since each node can be associated with two digits, to identify in the entire topology an apartment that is below a floor, a stair, a block and a site, a numeric code of 10 digits is needed. In the example of [Figure 2](#), by assigning to the base site a code equal to “01”, to the block the code “01”, to the second stair “02”, to the third floor of the stair “03” and to the second apartment of such floor “02”, the concerned apartment can be identified by the 10-digit numeric code “0101020302”.

If we decide to use always 10 digits to identify the position of all the topological nodes of the system, to identify the floor of the example above it will not be necessary to enter the numeric code of the apartment; it can be replaced by “##”: therefore, we will have the following 10-digit code “01010203##”. Similarly, the stair, the block and the site of the example will be identified respectively by the following codes: “010102#####”, “0101#####” and “01#####”.

The 10-digit code that identifies the generic topological node in the system topology is called **topological code**.

Each *IPerCom* device must be placed (installed) in a specific topological node (site, block, stair, floor, or apartment).

Apartment station (e.g. *VOG<sup>7</sup>* video door phones) are normally installed in an apartment, call stations or calling stations (e.g. *Call Modules*) and *Switchboards* are generally installed on a unit or block.

### 3.2 Topological path and topological group

The **topological path** is the set of (topological) nodes which start from a certain node and arrive to the site node.

The **topological group** of a node is given by the set of nodes contained in the group itself (the node in question and all the nodes below it).

Considering the topological structure shown in the following figure, we can say that:

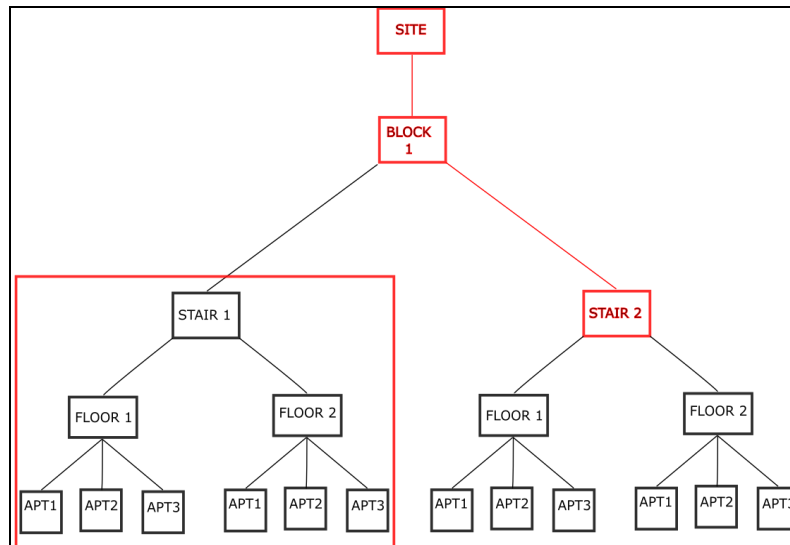


Figure 3: Example of topological path and group

- the path highlighted in red from the “Stair 2” node to the “Site” node is the topological path of the “Stair 2” node: visually speaking the topological path goes from the node considered upwards ( “Stair 2” -> “Block 1” -> “Site”);
- the set of nodes included in the red rectangle is the **topological group** of nodes “Stair 1”: visually speaking the topological group goes from the node considered towards the bottom.

By topological group of a device is meant the node where the device is installed and all the underlying nodes.

By topological path of a device is meant the path from the node where the device is installed to the site node.

### 3.3 Applications of the concepts of topological path and topological group

The above concepts can be applied to quickly and unambiguously define the operation of the main services offered by the IPerCom system.

The following services are linked to the topological group concept:

- display of residents in the directory of calling stations with display (*Call Module 1060/12-13-17-18-23, Alpha Call Module, Entry Panel 1060/34*),
- propagation of contacts on video door phones and door phones (with or without address book),
- propagation of the activation rules on the apartment stations,
- default view of the apartments on the *CallMe* app linked to the *Switchboard* application.

The following services are linked to the topological path concept:

- access of residents to the doors of the system to enter their own apartment,
- competence *Switchboards* definition,
- realisation of the camera address book for the apartment stations.

#### 3.3.1 Automatic display of residents in the address book of calling stations with display

The calling stations with display show automatically in the address book all the residents (set as visible) of their own topological group. For example, a *Call Module 1060/18* placed on a stair node will automatically show in the address book all the residents (set as visible) of all apartments in its topological group, that is the topological group of stair node.

#### 3.3.2 Propagation of contacts in address book of apartment station

A (public) contact created on a node is propagated on all apartment station contained in the topological group of the node in question. For example, a contact created on a stair node will be automatically propagated in the address books of all apartment station placed within the topological group of that stair.

For all the details on how to create a contact see the dedicated paragraph [Contacts](#).

#### 3.3.3 Propagation of activation rules

An activation rule created on a node is propagated on all apartment station contained in the topological group of the node in question. For example, an activation rule created on a stair node will be automatically propagated on all apartment station placed within the topological group in question.

For all the details on how to create an activation rule see the dedicated paragraph [Activations](#).

### 3.3.4 Default view of apartments on the *CallMe* app linked to the *Switchboard* application

The *CallMe* app linked to the *Switchboard* application automatically shows in its address book all the apartments of the topological group of the *Switchboard* application itself (competence apartments). For example, if the *Switchboard* application is placed on a stair node, the related *CallMe* app will automatically show in its address book all the apartments of the topological group of that stair (that is, the topological group of the *Switchboard* application).

### 3.3.5 Practical example of application of the topological group concept

The figure below shows an example of application of the 3 concepts above:

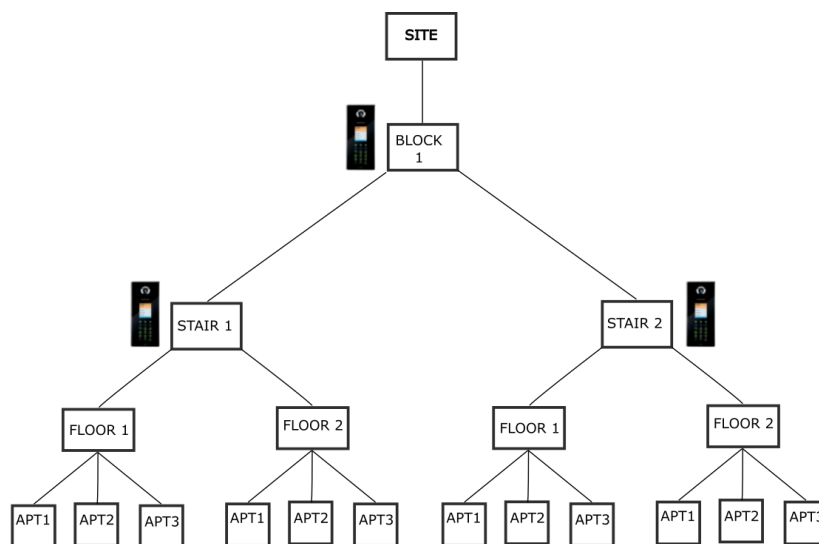


Figure 4: Example of application of topological group concept

The *Call Module* placed on node “Block 1” has in its address book all the residents of the underlying apartments, that is the 12 apartments of its topological group. The *Call Modules* placed on the nodes “Stair 1” and “Stair 2” have in their address book only the apartments of their corresponding topological groups, that is six apartments each.

The contacts and the activation rules created on the “Block 1” node will be propagated on all the underlying apartments, that is those of the topological group of the node in question.

The *CallMe* app linked to the *Switchboard* application placed on the “Stair 1” node has in its address book the apartments of the topological group relating to the “Stair 1” node.

### 3.3.6 Resident access (with key code and door code) to doors/gates of the system

Residents have automatic access by means of door codes and proximity key codes to all those entrances (pedestrian doors or driveways of Call Modules, Entry Panel and Key readers) that are placed on their topological path, that is on the topological path of their respective apartment nodes.

In this condition, apartment station can open these entrances even if you are not in conversation, that is if the entrances are not under secret.

### 3.3.7 Competence *Switchboards*

The competence switchboards for a device are those found on its topological path.

The competence *Switchboards* for apartment station in day status intercept the calls coming from calling station.

Specific buttons are present on *Call Modules, Modular Entry Panel with 1060/48* and video door phones to be able to call all the relevant switchboards at the same time.

### 3.3.8 Creation of the camera directory for the video door phones for auto-on function

Camera address book of video door phones shows the cameras of all calling stations and RTSP cameras that are on their topological path, that is on the topological path of the respective apartment nodes.

### 3.3.9 Practical example of application of the topological path concept

The figure below shows an example of application of the three concepts above:

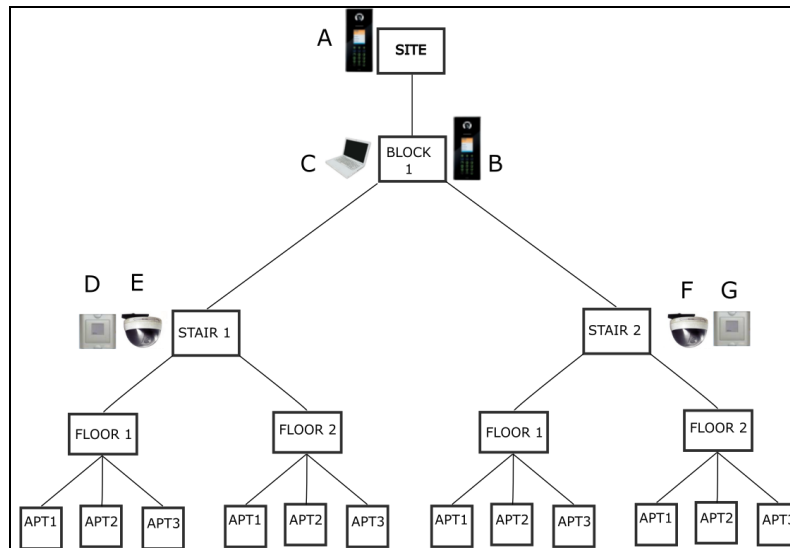


Figure 5: Example of topological path concept application

As for resident access, everyone has access to the entrances of *Call Module A* and *B* (placed on the node “*Site*” and “*Block 1*”). Access to the *Key Reader D* is automatically only allowed to the residents of the left while only those on the right automatically have access to the *Key Reader G*. The same concept applies for what concerns the address book of the cameras for auto-on: all residents can see the images of the cameras *A* and *B*. The displays of the camera *E* are allowed to the residents of the left while only those on the right can see the images coming from the camera *F*.

*Switchboard C* is of competence for all apartment stations in apartments and for *Call Module B* while it is not for *Call Module A*, as its topological path does not intercept the only *Switchboard* present in the system. According to what is reported in paragraph [Competence Switchboards](#), this means that:

- the *Call Module B* has a specific button to call the competence *Switchboard C*;
- the video door phones in apartments have a specific button to call the competence *Switchboard C*;

*Switchboard C* (in day status) intercepts calls to video door phones made by both *Call Module A* and *Call Module B*.

### 3.3.10 Summary table

Below is a summary table of what has been written above regarding the main services offered by the IPerCom system and which concepts they are connected to (whether topological group or topological path):

Topological Group	Topological Path
Contacts in address book of calling stations with display	Access to resident entrances
Contact propagation in address book of apartment stations	Calling stations and RTSP cameras that can be displayed from the video door phones (auto-on)
Activation rule propagation on the apartment stations	Competence <i>Switchboards</i>

*Table 1: properties related to the topological group and topological path*

## 3.4 Main and secondary calling stations

The calling stations, according to the topological node where they are positioned, are divided into:

- **main**, if placed on the site or block topological node;
- **secondary**, if placed on the unit or floor topological node.

This difference is reflected in the audio settings of the apartment station, which allow assigning two different ring tones for calls coming from the two different types of calling stations.

The calling station that can be divided into main and secondary are: *Call Modules* 1060/12-13-17-18-23, *Entry panel* 1060/21-33-34-71-74-75-78 and *Modular Calling Station with* 1060/48.

## 4 System installation

The installation of an IPerCom system can be done independently of its configuration.

IPerCom devices are uniquely identified by their MAC address (physical address of the network interface connected to the IPerCom system, for example 00:1E:E0:01:02:03): all video door phones, not yet configured, show this MAC address on the display.

The *VOG<sup>7</sup>*, *Basic*, *IPerCom Client* and *MAX* video door phones also display a QR code which, if scanned, shows the MAC addresses of the 3 available network interfaces:



Figure 6: QR code example of an IPerCom VOG<sup>7</sup>, Basic, IPerCom Client and MAX video door phone

Among these 3 addresses there is also the address of the network interface connected to the IPerCom system (the first in the list).



*When the system is installed but not configured, all the devices with display show that the device is not configured.*



*It is recommended to take note of the association between the position of the installed device and its physical MAC address.*

When installing an IPerCom system, keep in mind the 3 points below.

## 4.1 Minimum requirements for the installation of an IPerCom system

An IPerCom system can be installed in **any IP network where the IGMPv2 or IGMPv3 Multicast service is enabled.**

The network must offer an available bandwidth compatible with the number of simultaneous conversations expected on the system (the maximum bandwidth during a single video call session is 2 Mbps).

The prerequisite for IPerCom system correct operation is that **at least one device with internal clock is installed in the system.**

The Entry Panels 1060/21-33-34, the Modular Calling Station with 1060/48, the Gateway-2Voice 1083/59, the Server 1060/1 and VOG<sup>7</sup>, VOG<sup>5</sup>, VOG<sup>5+</sup>, Basic, MAX and 1761/23 video door phones are devices equipped with an internal clock.

The Call Modules 1060/12-13-17-18-23, the Entry Panels 1060/71-74-75-78, the Private Call Module 1060/22, the Switchboards 1060/41-42, the IPerCom Client application 1060/43, the Door phone 1160/3, the Key Readers 1060/45-86, the Relay Actuators 1060/84, the Lift Interface 1060/37, the IPerTalk Server and IPassan Controller integration devices **are devices not equipped with an internal clock.**

**Therefore, if an IPerCom system is made up only of devices without an internal clock, it is necessary to insert a device that behaves as such, i.e. the IPerCom 1060/85 Clock Module.**

The initial setting of the date and time of the internal clock is done through IPerCom Installer Tools or through VOG<sup>7</sup>, Basic, MAX or 1761/23 video door phones (see paragraphs [Date/Time](#) or [Setting the date and time](#) respectively).



*The life of the IPerCom Clock Module and the Server 1060/1 batteries is 3 years in the event of a long power failure. In contrast, the batteries of other devices last a few days.*

## 4.2 IP network structure

Although no knowledge of IP networks and their configuration is required for the installation of the system, it is recommended to refer to the wiring diagram shown in the following figure:

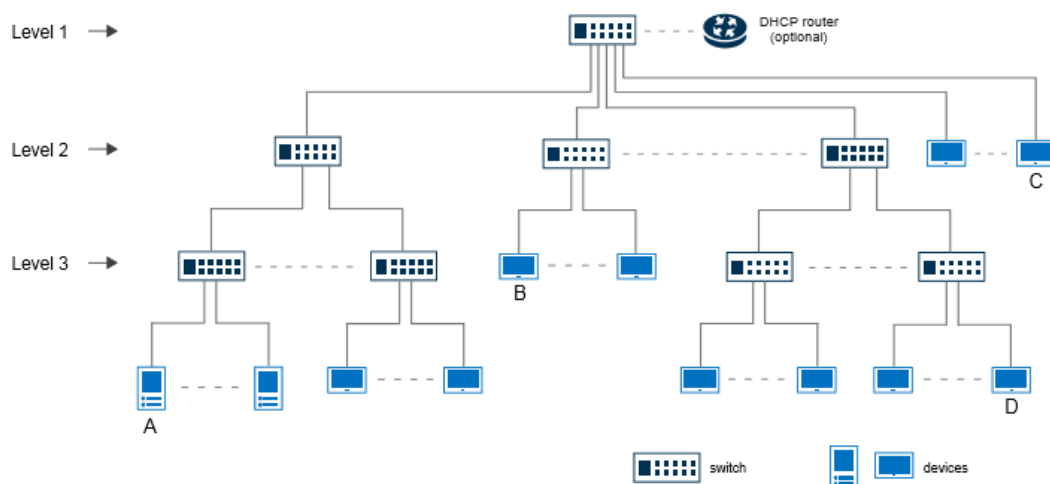


Figure 7: recommended network topology

The shown network structure is of the “tree type”, in which the switches are arranged on different levels of the network: if you use switches with 24 PoE ports, **just 3 levels are sufficient** to reach the maximum number of 1000 devices.



*In large systems it is important to pay attention to the fact that the number of switches can greatly reduce the passband of the network. In this case, ask an experienced network administrator.*



*All IPerCom devices (except the Server 1060/1, the IPassan Controller, the IPerTalk Server, the 1060/41-42 Switchboards and the IPerCom Client video door phone) must be connected to a PoE port on the system switches. The RTSP cameras are not native IPerCom devices and may or may not support a PoE power supply.*



*For a correct operation of the system, it is necessary that the network ports shown below are not blocked:*

- UDP ports: 5060, 5061, 6060, 6061 (SIP protocol), 68 (BOOTP and DHCP protocols) and 69 (TFTP protocol), 1024÷65535 (RTP protocol);
- TCP ports: 5060, 5061, 6060, 6061 (SIP protocol), 13451÷13500, 18759, 27015 and 51234 (proprietary protocols);
- group UDP Multicast 238.0.0.200: port range from 55000 to 55100;
- group UDP Multicast 239.255.0.200: port range from 55000 to 55100.



*For the system to function correctly, the following servers and their ports must be reachable:*

- *Server SIP: sip.urmet.com | ports 5060, 6060, 5061, 6061;*
- *URMET Application Server: uapk.urmet.com | port 443 (HTTPS);*
- *URMET CLOUD [www.cloud.urmet.com](http://www.cloud.urmet.com) | port 443 (HTTPS);*
- *ipercomremote.srvqt.com | port 13459.*



***Only one IPerCom system can be installed on the same network infrastructure.***



*The correct operation and IT security of the TCP-IP networks on which Urmet products are installed are the full responsibility of those who manage the network infrastructure (consisting of switches, routers, firewalls, etc.) and cannot be charged either to the products or to Urmet. It is recommended to use certified personnel specialized in IT network security to properly configure the network infrastructure.*

### 4.3 Maximum distances and sections cables

To ensure correct operation of IPerCom system, the following installation prescriptions must be respected; they will be described in this chapter. However, besides this specific information, standard rules for a “good” installation must be followed, for ensuring a sufficient protection against noise and a good system reliability. All devices must be correctly installed and wired, according to national installation standards. Pay special attention to wiring operations and particularly to crimp operations of connectors on CAT5 cable, in order to ensure a correct and reliable electric connection, that is fundamental for correct operation of the system. In detail, the following must be respected:

Type of connection	Max distance	Max distance
LAN	100m (*)	CAT5e (#)

Table 2: Maximum distance and cable cross section by type of LAN connection

- (\*) The max. allowed distance is that defined by IEEE 802.3 standards for Fast Ethernet networks (100 Mb/s), connected with UTP CAT5 cable: according to these standards, the distance between two Ethernet devices must not be longer than 100 m.
- (#) To ensure longest-range door phone operation, the cable must be a class 5e device and the twisted pairs' cross section must be AWG24.



*The maximum resistance of the individual wires must not exceed 10ohm / 100m. The connection between the door phone and POE switch must be ensured by a single cable without any extra patch cords. The cable must be up to the following standards: EIA/TIA 568-B.2 o EIA/TIA 568-C.2, EN50288 3-1, IEC 61156-5.*

In presence of a *Gateway 2Voice 1083/59* for the maximum distances and cable section of the 2Voice side, follow the instructions in the 2Voice technical manual, section [Gateway Ipercom-2Voice](#).

## 5 IPerCom Installer Tools application

Upgrading a system to version 3.3.0 (or higher) and putting it into operation requires the use of the *IPerCom Installer Tools* application if the installed system is among those listed below:

- “Multi Block”, for large-sized installations;
- “Multiple Stairs”, for medium-sized installations with multiple stairs on a single block;
- “Single Stair”, for medium-sized installations with a single stair.



**The update via IPerUpgrade is no longer supported by versions of IPerCom 3.3.0 or higher.**

The *IPerCom Installer Tools* application can be downloaded from the Urmet website in the section [Software and Firmware](#) (registration on the site is required).

For each officially released version of IPerCom (starting from version 1.1.0) there is the corresponding version of *IPerCom Installer Tools*, as the versions of a system and *IPerCom Installer Tools* must always be aligned.

### 5.1 Hardware and software requirements

Hardware and software minimum requirements for installation are the following:

- PC with Windows 10 / 11 operating system, quad core CPU and frequency greater than 2GHz;
- SSD disk with 512GB or higher capacity (no hard disk);
- 8GB or higher RAM memory;
- 10/100/1000 Mbit/s network card.

## 5.2 IPerCom Installer Tools: functions

To use the *IPerCom Installer Tools* application in all its functions, registration to Urmet Cloud is required and therefore the PC (where the *IPerCom Installer Tools* application is installed) must have an Internet connection.

**Without registration to Urmet Cloud, it is not possible to use the *IPerCom Installer Tools*.**

The application allows the updating and commissioning of the system and at the same time presents a series of functions that make it an indispensable tool for the installer. All this will be explained in detail later in this manual.

Once the application is launched, it allows you to:

- check if a more up-to-date version than the one installed is available, then download and install it;
- detect the IPerCom version installed on a system;
- select which version of IPerCom you want to work with;
- select the IPerCom version to update the system to and then proceed with the upgrade;
- create a **project** to be associated with a system (**site**), if the system is still to be configured;
- modify and save a project with its configuration only on Urmet Cloud so as not to lose them (for example if the data on your PC is no longer available);
- import a project from PC and export a project to PC;
- import a project to a higher IPerCom version (import is possible for projects created starting from IPerCom 2.0.0);
- connection to the system (**site**) you want to configure;
- distribute the configuration associated with a project to the system (**site**);
- set the time of the system or retrieve its time;
- view the system diagnostics, that is view if all the devices are aligned with the same version of IPerCom, if they are correctly connected to the system and if the configuration is aligned across the entire system;
- view the system logs, for example list of calls, access to main doors and gates, alarms (this function is only available if there is at least one 1060/1 Server in the system);
- carry out a backup of the system configuration directly on your PC or in automatic mode on a USB stick connected to the 1060/1 Server;
- change the configuration of a system even remotely (with a remote system properly configured);
- use the *CallMe Manager* application to configure call forwarding;
- transfer of ownership of a system (**site**) to another installer or building manager;
- pre-activate the licenses for IPerCloud mode;
- view the history of pre-activated licenses;
- run the test mode for IPerCloud mode.

All these features will be described in detail in the following paragraphs.

### 5.3 Automatic update to the latest available version

At the first start, the application checks if there is a more up-to-date version than the one installed, as shown below:

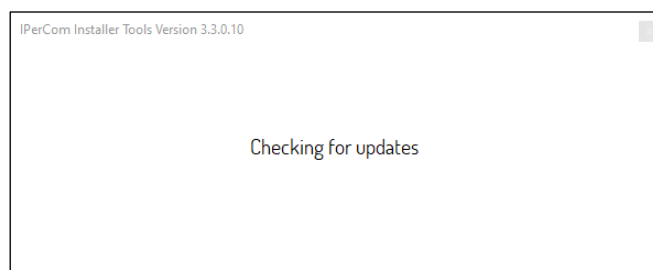


Figure 8: check for updates

If the PC is connected to the Internet and the application is not updated to the latest available version, a message like the one below is displayed:

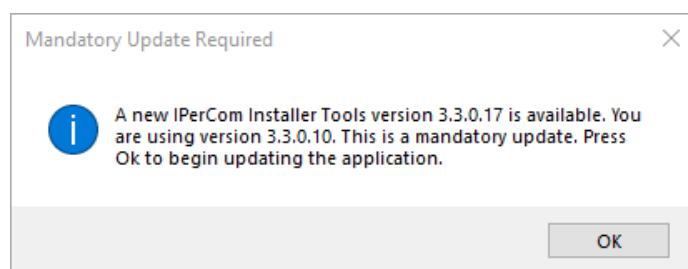


Figure 9: mandatory update available

Press the “Yes” button to start downloading the new version:

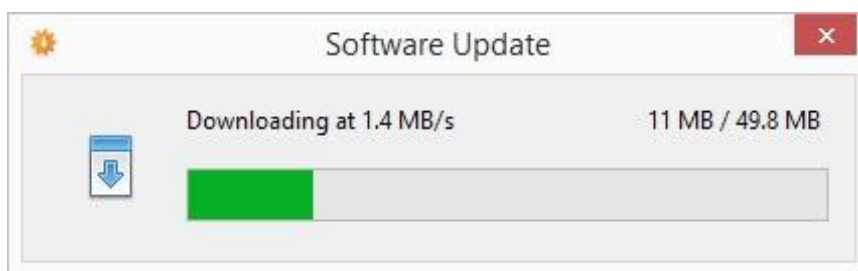


Figure 10: upgrade download in progress

As soon as the upgrade is finished, the installation starts.



Updates can be mandatory (like the one shown in [Figure 9](#)) or optional: in the latter case, you can decide whether or not to perform the update.

If there is no Internet connection, the application displays the following screen:

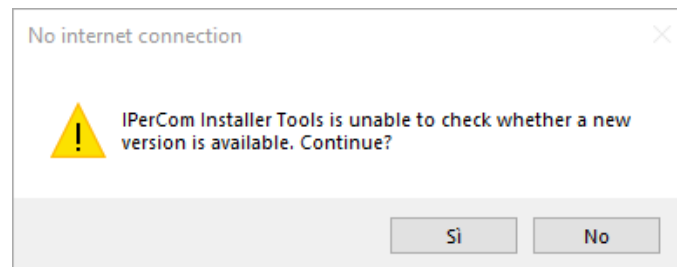


Figure 11: no Internet connection

Press “Yes” to start the application without upgrading it, otherwise, press “No” to close the application.

If you are not able to check the availability of upgrades for a period longer than 6 months, the application will not start (if not with an available Internet connection). In this case a window like the one below is displayed:

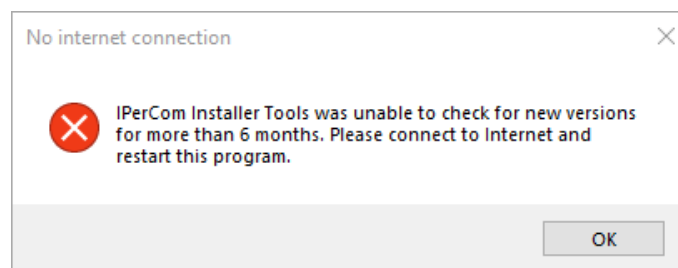


Figure 12: failure to check for updates for more than 6 months

## 5.4 Starting the Launcher

Once the search for a more up-to-date version and the possible upgrade steps have been completed, the following “launcher” is displayed:

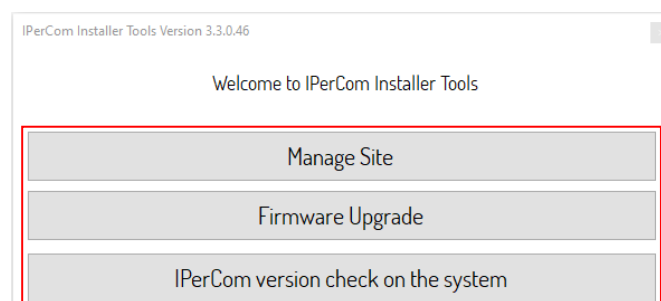


Figure 13: IPerCom Installer Tools launcher

Through the 3 buttons in [Figure 13](#) (in the red box) it is possible to:

- select a version of IPerCom (among those officially released) with which you want to work with (“*Manage Site*” button);
- select a version of IPerCom (among those officially released) to which you want to update the system (“*Firmware Upgrade*” button);
- detect which version of IPerCom is installed on a system, if the PC, on which the *IPerCom Installer Tools* application is installed, is connected to the system (“*IPerCom version check on the system*” button).

The operation of the 3 buttons listed above will be explained in detail in the following paragraphs:

- [IPerCom version detection](#) for “*IPerCom version check on the system*” button,
- [Upgrading a system through IPerCom Installer Tools](#) for “*Firmware Upgrade*” button,
- [Commissioning a system through IPerCom Installer Tools](#) for “*Manage Site*” button.

## 5.5 IPerCom version detection

The “*IPerCom version check on the system*” button is useful for detecting the IPerCom version of a system to which your PC with *IPerCom Installer Tools* is connected:

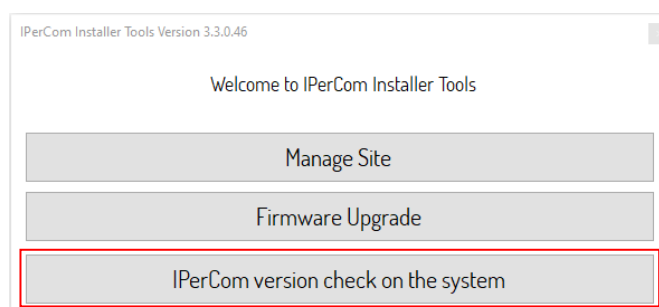


Figure 14: IPerCom Installer Tools launcher

Pressing on button “IPerCom version check on the system”, the following screen is shown:

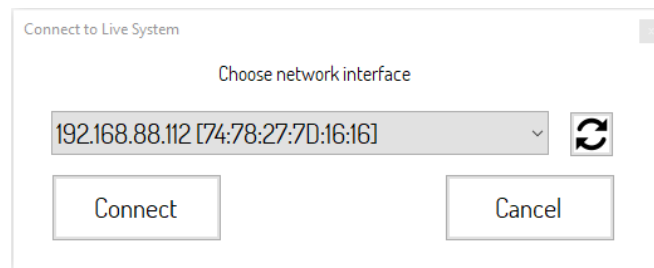






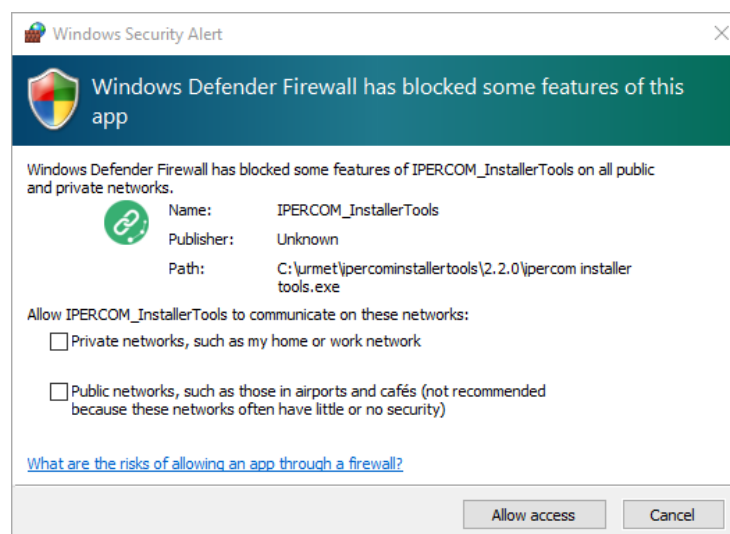
Figure 15: selecting the network interface

The  button allows updating the list of available network interfaces.

 To find out the IP and MAC addresses of the network interface through which you are connected to the IPerCom system, you need to press on the “Open Network and Internet settings” item, which appears by pressing with the right mouse button the icon  at the bottom right on your PC monitor. A screen opens with the list of available networks. After pressing on the corresponding “Properties” item, you can view the IP address and MAC address.

After selecting the correct network interface, the “Connect” button detects the IPerCom devices connected to it with their firmware version (after checking if the system is with or without Server 1060/1).

 After pressing the “Connect” button, the Windows operating system may notify the user of the need to unlock the communication ports on the IP network used for communication between the IPerCom system and the IPerCom Installer Tools application. This operation is required for proper application operation. If this operation is carried out by Windows Firewall, a warning like the one below is shown to the user:



You must select both kind of networks and press the “Allow access” button.

Depending on the firmware version detected on the various devices, 2 different cases can occur:

- the system **is updated** to one of the officially released versions;
- the system **is not updated** to one of the officially released versions.

### 5.5.1 System updated to a version among those released

If the version detected on the system is one of the officially released versions, you will see a screen of this type, where in bold (red box) the IPerCom version detected is shown (3.3.0 in this case):

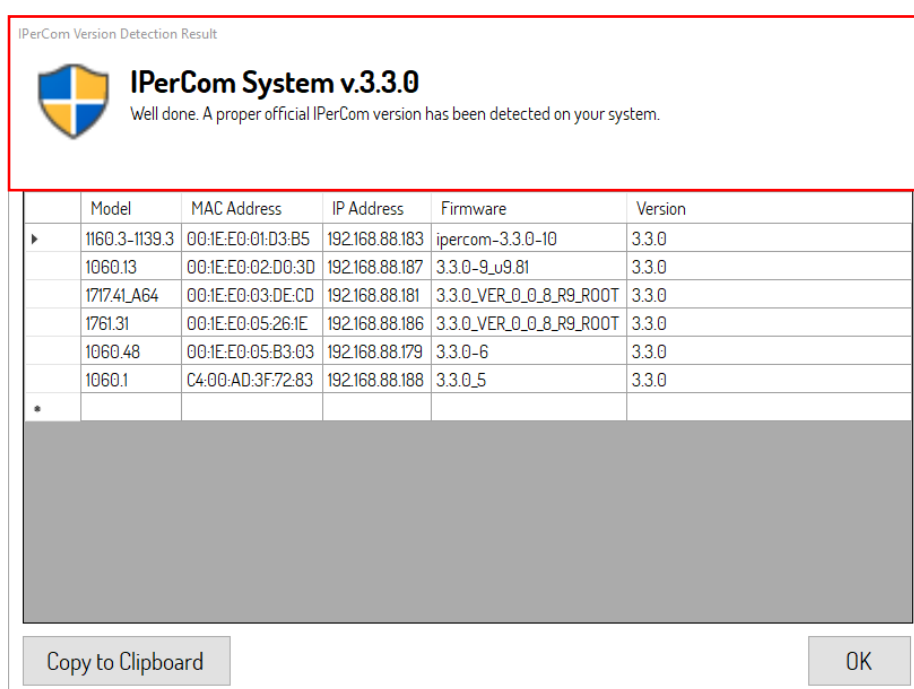


Figure 16: system aligned with one of the officially released versions

The following information about the devices on the system is shown in this order:

- the model (whether apartment station, calling station or other);
- the MAC address;
- the IP address;
- the internal firmware version;
- the IPerCom version corresponding to the internal firmware version.

The "Copy to Clipboard" button allows copying the table displayed above to a text or Excel file.

If the firmware versions of the various devices are the same as one of the IPerCom versions released, the system is correctly updated. When the “OK” button is pressed, the following screen is displayed again:

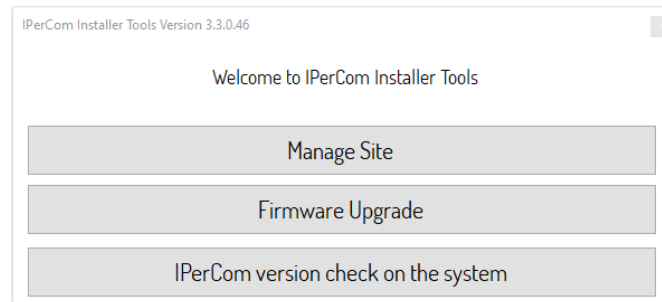


Figure 17: IPerCom Installer Tools launcher

By pressing the “Manage Site” button, a drop-down menu allows you to choose the corresponding version of *IPerCom Installer Tools* with which to create or modify the project (for further details see paragraph [Commissioning a system through IPerCom Installer Tools.](#))

### 5.5.2 System not updated to a version among those released

If the version detected on the system does not coincide with one of the officially released versions (for example version 3.3.0), a screen like this appears:

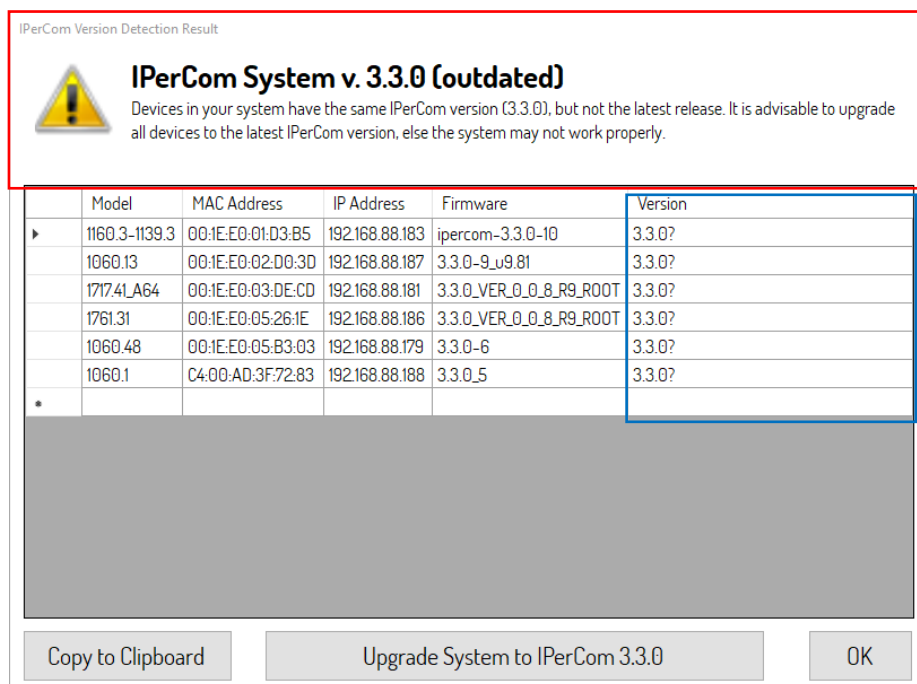


Figure 18: system not aligned to the latest version 3.3.0

The red box shows that an IPerCom 3.3.0 version has been detected on the system, but it is not the latest released one.

The information shown is the same as for a system upgraded to the latest version. However, it should be noted (blue box) that the data in the "Version" column do not coincide with the data "3.3.0": in fact, it is shown "3.3.0?" for the devices whose firmware is not aligned with the latest version.

In this case **it is recommended to update** the system through the "Upgrade System to IPerCom 3.3.0" button (for further details see paragraph [Upgrading a system through IPerCom Installer Tools](#)).

After updating the system, it is possible to repeat the procedure described in paragraph [IPerCom version detection](#) and check that the latest version 3.3.0 of IPerCom is detected. After that, it is possible launching the corresponding version 3.3.0 of *IPerCom Installer Tools*.

In [Figure 18](#) the "Copy to Clipboard" button allows copying the displayed table to a text or Excel file whereas the "OK" button simply returns to the initial screen:

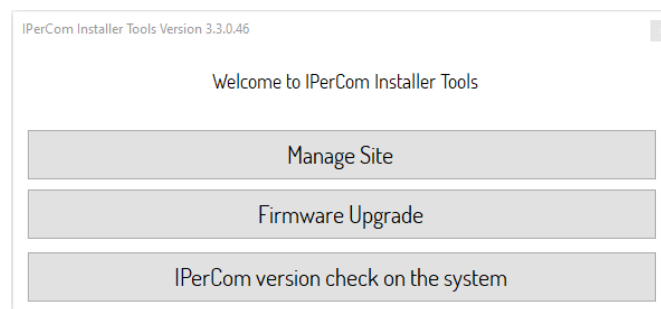


Figure 19: IPerCom Installer Tools launcher



*For each version of IPerCom released, if the detected version is obsolete, it is always possible to download the most updated one. For example, if a system has an obsolete version 1.2.0, it is possible to download (by means of IPerCom Installer Tools) the latest version 1.2.0. If the detected version is the latest version 1.2.0, you are not prompted to upgrade to version 3.3.0.*

### 5.5.3 Mixed system

If in the system devices are upgraded to different versions among those released (more recent or not), a screen of this type is displayed:

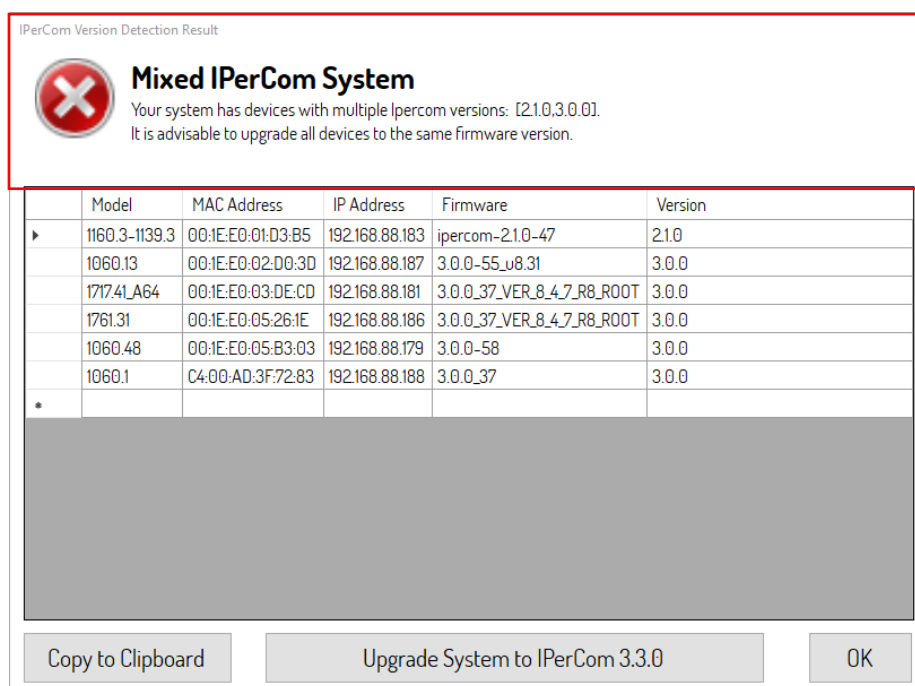


Figure 20: system with devices upgraded to different IPerCom versions

The information shown is always the same as in the previous screen: you can immediately see that the “Version” column indicates the presence of devices updated to different latest versions.

In this case, **it is necessary to upgrade** the system through the “Upgrade System to IPerCom 3.3.0” button (for further details see paragraph [Upgrading a system through IPerCom Installer Tools](#)).

After updating the system, it is possible to repeat the procedure described in paragraph [IPerCom version detection](#) and check that the latest version 3.3.0 of IPerCom is detected. After that, it is possible launching the corresponding version 3.3.0 of *IPerCom Installer Tools* or making the firmware upgrade as already shown in [Figure 17](#).

The “Copy to Clipboard” and “OK” buttons have the same functions as described in the previous paragraph.



*Whatever the different versions detected, you are always asked to update to the latest version released: for example, if a system had some devices updated to version 1.2.0 and some updated to version 1.4.0 (more updated versions or not), you are prompted to update to the latest version released (in this case version 3.3.0).*

## 6 Upgrading a system through *IPerCom Installer Tools*

After the installation of the system, it may be necessary to **upgrade the firmware** of all devices and the software of any applications.

**Upgrading an IPerCom system to versions 3.3.0 (or higher) must be done using *IPerCom Installer Tools* application version 3.3.0 (or higher).**

In general, using *IPerCom Installer Tools* application, it is possible to upgrade or downgrade a system to a generic version of IPerCom, regardless of the version of IPerCom present on the system itself, **keeping in mind that a generic downgrade always requires deleting the system configuration first.**



**Upgrading an IPerCom system to version 3.3.0 (or higher) via *IPerUpgrade* application is no longer supported.**



*IPerUpgrade* application can only be used to upgrade systems to IPerCom versions 3.2.0 or lower, if the system has not been upgraded to version 3.3.0 or higher.



To delete the system configuration, see paragraph [Maintenance](#).

The above can be schematized in the 2 figures below, where the starting condition is shown on the left and the arrival condition on the right (in reference to the firmware version of an IPerCom system):

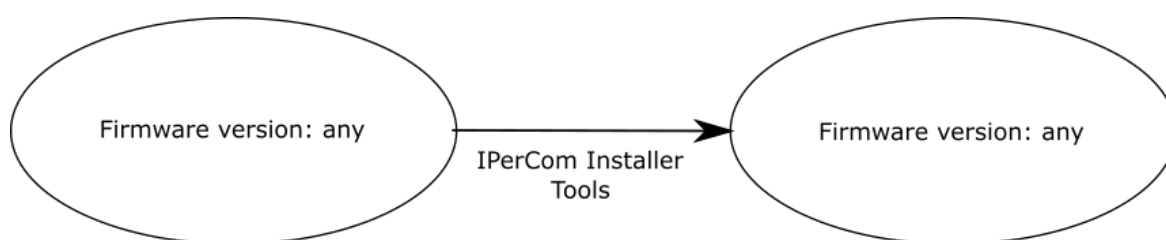


Figure 21: *IPerCom Installer Tools* always allowed to upgrade a system

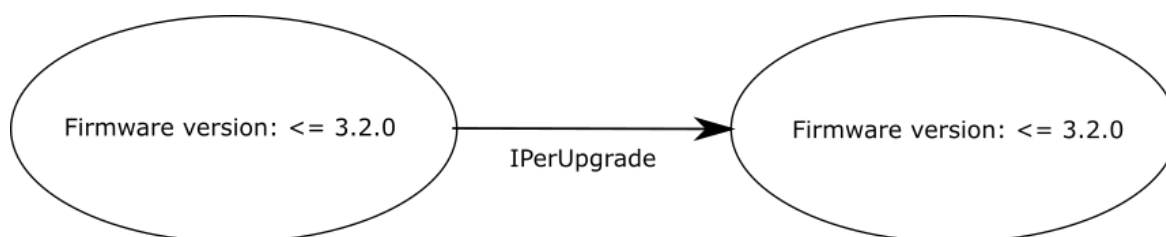


Figure 22: use of *IPerUpgrade* still allowed



**The above refers to system updates made exclusively with the *iPerCom Installer Tools* application. For updates via Server 1060/1, refer to paragraph [iPerCom devices upgrade mode](#).**

We will now explain in detail how to update the system to version 3.3.0 (or higher) with *iPerCom Installer Tools*, distinguishing between 2 cases: system not yet configured by the installer and system already configured by the installer.

## 6.1 Upgrading to version 3.3.0: system not yet configured

The main steps to update a not configured iPerCom system to version 3.3.0 (or higher) will be listed below.

1. Launch *iPerCom Installer Tools*; once the search for a more up-to-date version and the possible upgrade steps have been completed, the following startup screen is displayed:

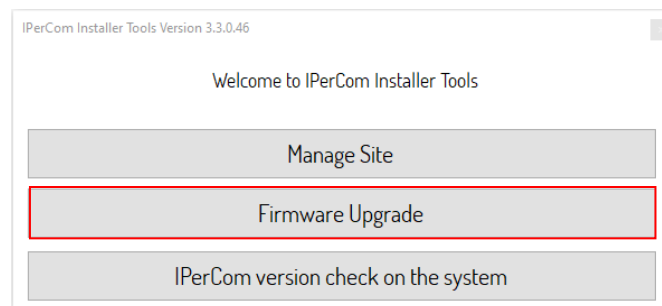


Figure 23: *iPerCom Installer Tools* launcher

2. Press the button "*Firmware Upgrade*" button in the red box; the following startup screen is displayed:

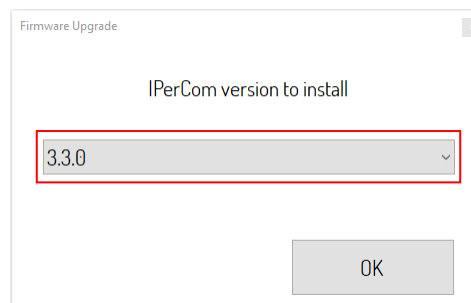


Figure 24: drop-down menu to select the iPerCom version to which to update the system

3. Select item 3.3.0 from the drop-down menu in the red box (that is, the version to which you want to update the system) and then press “OK” button; the following screen appears:

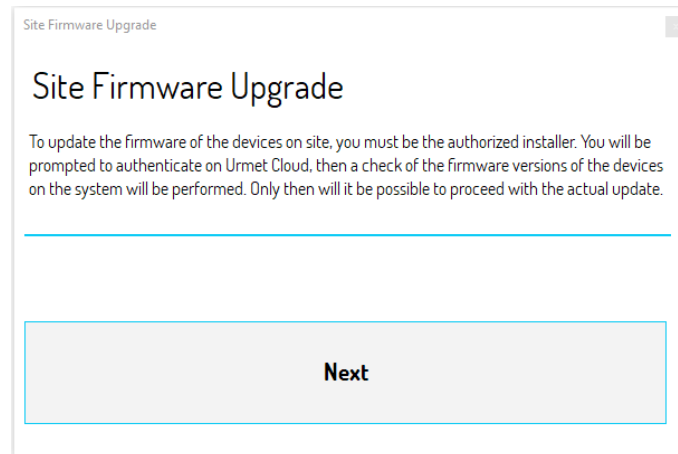


Figure 25: conditions for updating the system (site)

The screen above highlights the fact that to update the system, you must be the authorized installer and therefore authentication on Urmet Cloud is requested in the next step, so that *iPerCom Installer Tools* can verify whether you have this requirement (in most cases the authorized installer is the one who configured the system).

**In the case of an unconfigured system, any installer is authorized to proceed with the update of the system itself (as no installer has previously configured the system).**



*If the system has already been configured by an installer, not all installers can update the system, as will be explained in more detail in the next paragraph [Upgrading to version 3.3.0 or higher: system already configured](#).*

4. Press the button “Next”; the following screen is displayed:

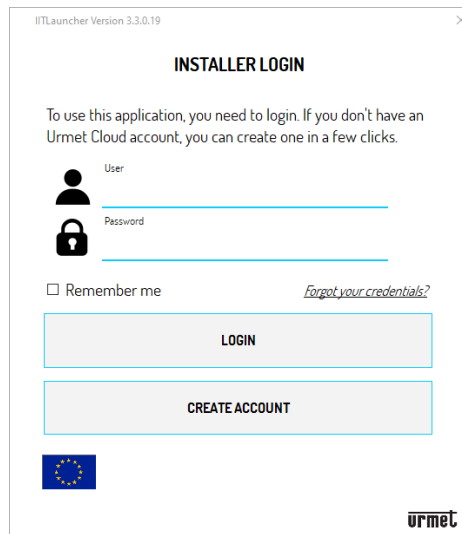






Figure 26: login window

The first thing the installer is asked to do is to authenticate on Urmet Cloud, by entering a username and password and then pressing the “LOGIN” button. Alternatively, if you do not yet have an Urmet Cloud account, you must create one using the “CREATE ACCOUNT” button (see paragraph [Urmet Cloud authentication](#) for further details).

 The icon  indicates that authentication will take place on the European Urmet cloud; if you press the mouse once on the icon in question, it turns into , indicating that the authentication will take place on the Chinese Urmet cloud.

 At the first start IPerCom Installer Tools automatically shows one or the other icon based on the first response received following a ping to the European and Chinese Urmet cloud. The setting in question is however memorized and maintained at subsequent program starts.

**Without registration to Urmet Cloud it is not possible to perform the firmware upgrade.**

**Registration to Urmet Cloud requires an Internet connection available on the PC where the IPerCom Installer Tools application is installed.**

5. Press the “*LOGIN*” button, after entering your username and password, and then press the “*OK*” button, once the login phase has been completed correctly; the following screen is displayed:

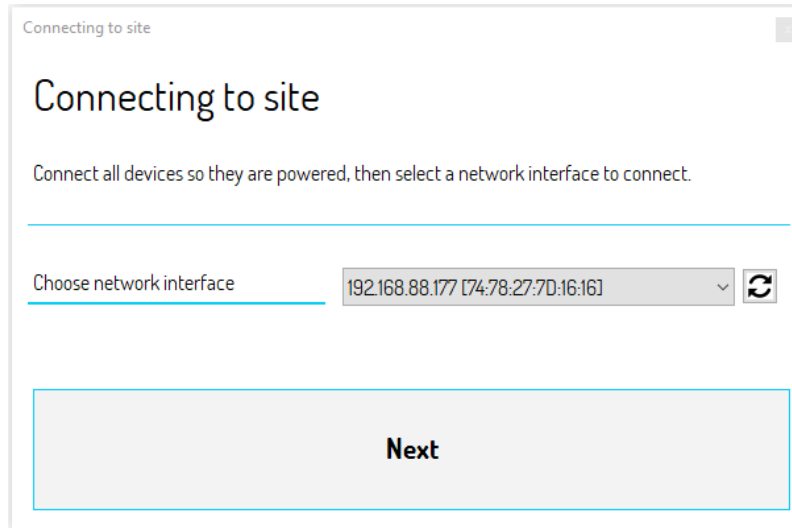




Figure 27: request to connect to the site

The  button allows you to refresh the list of available network interfaces and choose the correct one.



To find out the IP and MAC addresses of the network interface through which you are connected to the IPerCom system, you need to press on the “Open Network and Internet settings” item, which appears by pressing with the right mouse button the icon  at the bottom right on your PC monitor. A screen opens with the list of available networks. After pressing on the corresponding “Properties” item, you can view the IP address and MAC address.

6. Press the button “Next” button; the following screen is displayed:

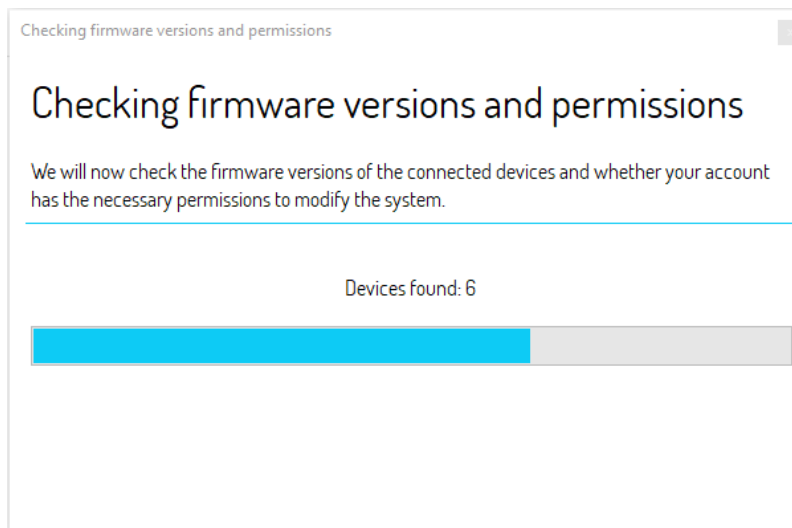


Figure 28: detection of IPerCom devices and control of permissions to update the system

In this screen *IPerCom Installer Tools* detects the devices connected to the system (via the network interface selected in the previous point), detects whether the system is with or without *Server 1060/1*, whether it is possible to update the system and whether the installer is authorized to do this (in case of not configured system this is always allowed).

7. The following screen appears if all the checks listed in the previous point are successful:

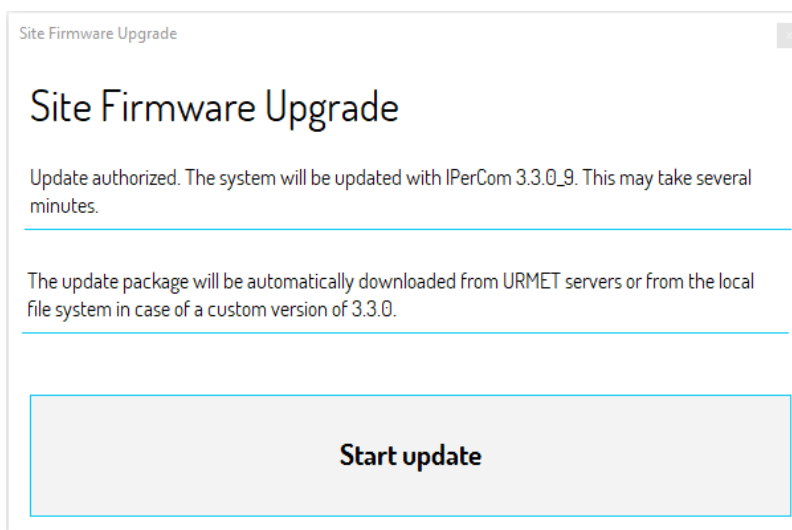



Figure 29: system update is allowed

In this screen, the installer is notified that he is authorized to perform the system update and is also told which version the system will be updated to. The button “*Start update*” starts the update procedure. For more details on how the update occurs, see the paragraph [Starting the upgrade](#). Before this, it is explained how to create an Urmet Cloud account.

 *If the system is already updated to the previously selected IPerCom version, the following message appears:*

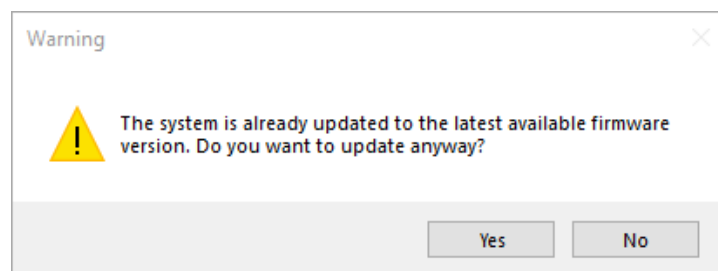


Figure 30: system already updated to the selected version

*The request to update the system anyway is useful if you want to use a custom update file (for further details see [APPENDIX A1: Custom video door phones](#)).*

### 6.1.1 Urmet Cloud authentication

When upgrading an IPerCom system to versions 3.3.0 (or higher), authentication to Urmet Cloud is required and mandatory, as shown in the window below:

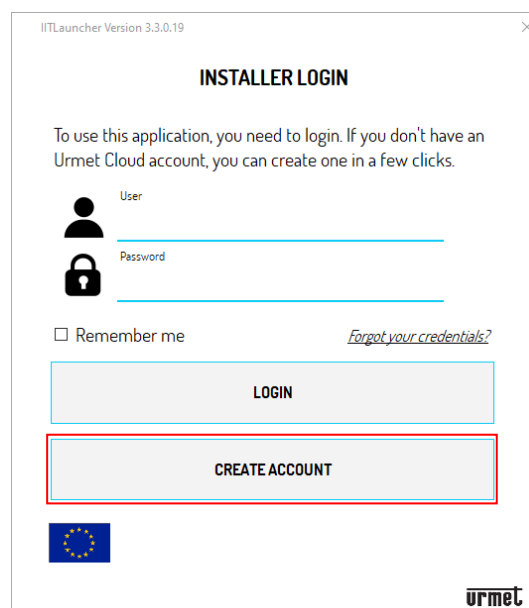
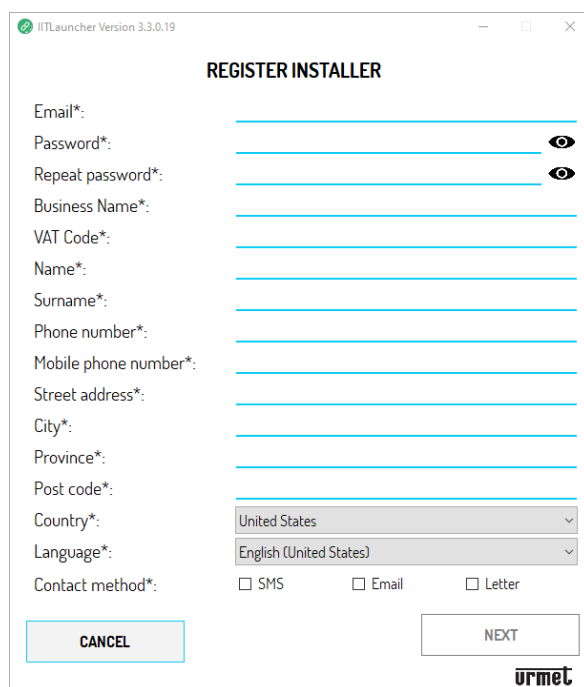


Figure 31: Urmet Cloud login

Creating an account is done by pressing the “*CREATE ACCOUNT*” button in the red box.

The following window opens where it is necessary to fill in the fields marked with an asterisk:



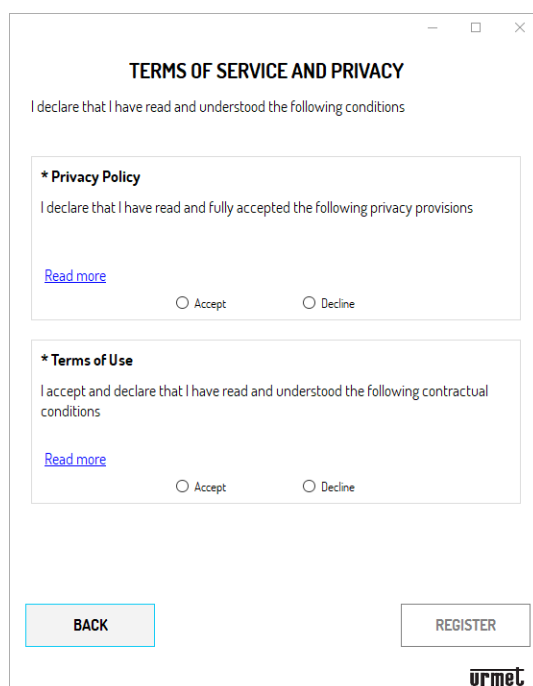
The registration window, titled "REGISTER INSTALLER", contains the following fields and options:

- Email\*
- Password\*
- Repeat password\*
- Business Name\*
- VAT Code\*
- Name\*
- Surname\*
- Phone number\*
- Mobile phone number\*
- Street address\*
- City\*
- Province\*
- Post code\*
- Country\*: United States (dropdown menu)
- Language\*: English (United States) (dropdown menu)
- Contact method\*: ☐ SMS ☐ Email ☐ Letter

At the bottom, there are "CANCEL" and "NEXT" buttons. The "urmet" logo is visible in the bottom right corner.

Figure 32: registration window for a new account

After filling in all the fields correctly, the “*NEXT*” button is enabled and, after pressing it, the following screen appears:



The "TERMS OF SERVICE AND PRIVACY" window contains the following sections:

- \* Privacy Policy**: I declare that I have read and fully accepted the following privacy provisions. Includes a "Read more" link and "Accept" / "Decline" radio buttons.
- \* Terms of Use**: I accept and declare that I have read and understood the following contractual conditions. Includes a "Read more" link and "Accept" / "Decline" radio buttons.

At the bottom, there are "BACK" and "REGISTER" buttons. The "urmet" logo is visible in the bottom right corner.

Figure 33: terms of service and privacy

At this point, after accepting the general conditions of use and the privacy policy, you can press the “Register” button to complete the registration, as confirmed by the following dialog box:

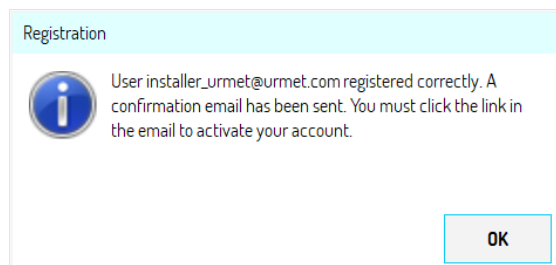


Figure 34: registration successful

The last step to do is to go to your email inbox and click on the account activation link. You are then transferred to a web page which confirms that activation was successful:

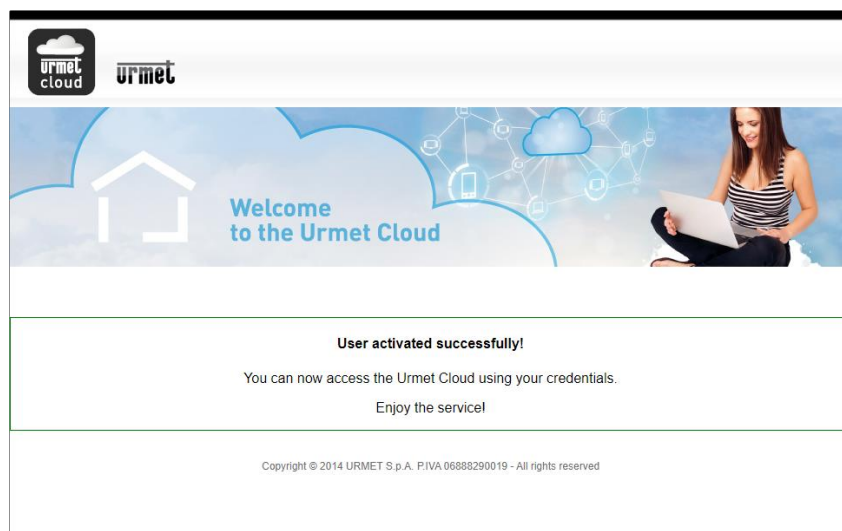
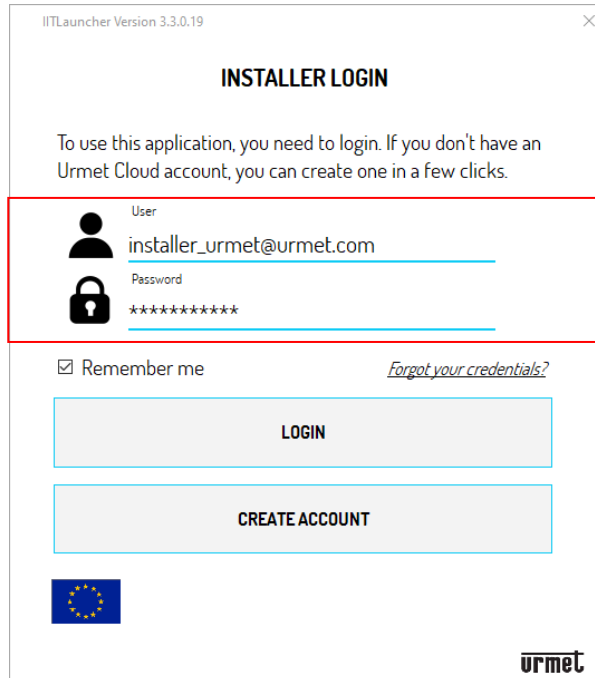


Figure 35: account activated successfully

Once the account has been activated, access to Urmet Cloud occurs by entering the username and password in the authentication window (red box):



The image shows a window titled "Installer Login" from "IITLauncher Version 3.3.0.19". It contains a text box for "User" with the email "installer\_urmet@urmet.com" and a password field with masked characters. A red rectangle highlights these two fields. Below the fields are checkboxes for "Remember me" and a link for "Forgot your credentials?". At the bottom are "LOGIN" and "CREATE ACCOUNT" buttons, a European Union flag, and the "urmet" logo.

Figure 36: login window

The "User" field must be filled in with the e-mail address entered during registration, just as the password is the one entered during registration.

At this point, simply press the "LOGIN" button to authenticate on Urmet Cloud.

Correct access is indicated by the following pop-up window:

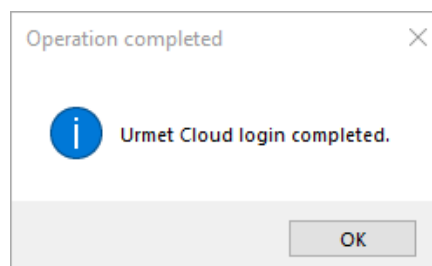


Figure 37: correct access to Urmet Cloud



In [Figure 36](#) if you select the "Remember me" field, the next time you log in to Urmet Cloud, you will no longer be asked to enter your username and password as they are automatically pre-loaded by IPerCom Installer Tools.



If you have forgotten your password, you can set it again pressing “Forgot your credentials?” (still in [Figure 36](#)). The window that appears is the following:

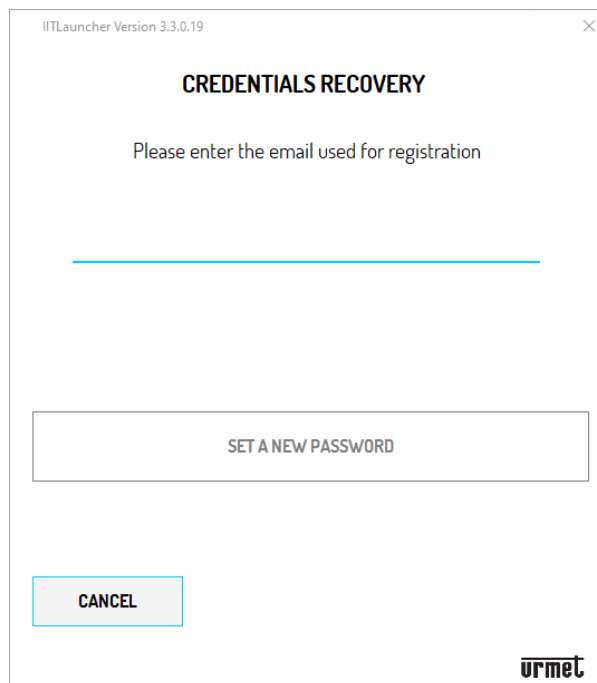


Figure 38: credentials recovery

After entering your registration email address, simply press the “Set a new password” button. An email is sent to the address entered through which you can set a new password.

## 6.2 Upgrading to version 3.3.0 or higher: system already configured

The procedure for updating a system already configured to version 3.3.0 (or higher) is like that reported in paragraph [Upgrading to version 3.3.0: system not yet configured](#). The only restriction compared to what was seen previously is that **only the authorized installer** can proceed with updating the system and not just any installer.

The **authorized installer** is usually the installer who configured the system, provided that after configuration:

- he has not transferred the authorized installer role to another installer (who then becomes the authorized one);
- if the system has been transferred to a building manager, he has not suspended or replaced the authorized installer.



*Even for the system configuration, the installer is required to register on Urmet Cloud: therefore, after the configuration, an association is created between the installer and the system, so that only the latter can apply changes to the configuration and no other installers (except in the 2 cases reported above).*



*To transfer the authorized installer role to another installer, see the paragraph [Site authorization management](#).*



*To suspend or replace an installer see the paragraph [Configuring the call forwarding function in IPerCom systems in IPerCloud mode](#).*

If an installer attempts to update a system for which he is not an authorized installer, this is prevented when *IPerCom Installer Tools* checks the permissions you have on the system (see [Figure 28](#)).

The message that is displayed in this use-case is the following:

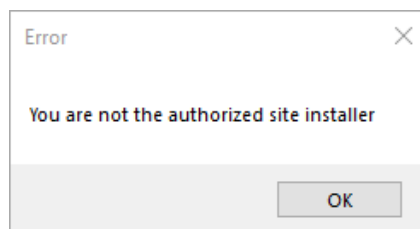


Figure 39: attempt by an unauthorized installer to connect to the system

This message appears when a not authorized installer, for example “*installer\_urmet\_1*”, connects to a system that has “*installer\_urmet\_2*” as **authorized installer**. Before you can perform the update, authentication to Urmet Cloud is required:

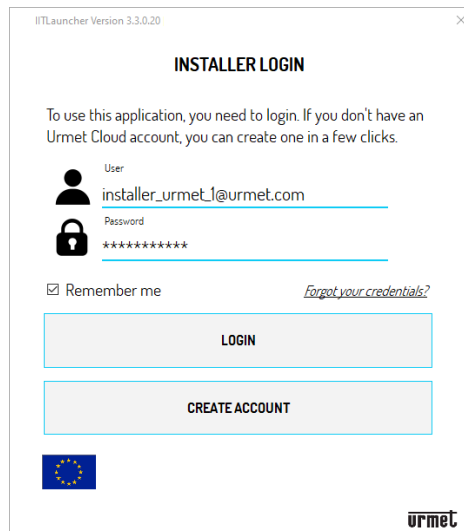


Figure 40: authentication to Urmet Cloud

Once authentication has been performed on Urmet Cloud, *IPerCom Installer Tools* detects that the installer who has just authenticated on Cloud is not the authorized one and therefore does not allow him to update the system with the message shown in [Figure 39](#).

The message in [Figure 39](#) is also displayed if the installer who configured the system transfers his role to another installer or if the building manager has replaced the installer.

If the building manager has suspended the installer, the message displayed is the one below:

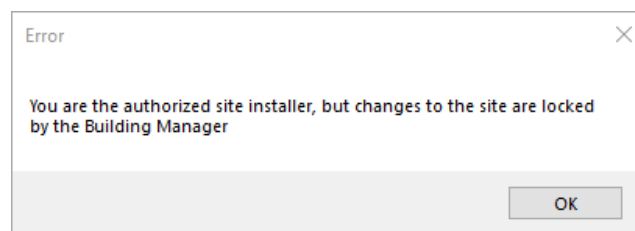


Figure 41: Authorized installer but suspended by building manager

If the installer has the rights to update an already configured system, at the end of the update wizard *IPerCom Installer Tools* shows the same window already seen for a not configured system:

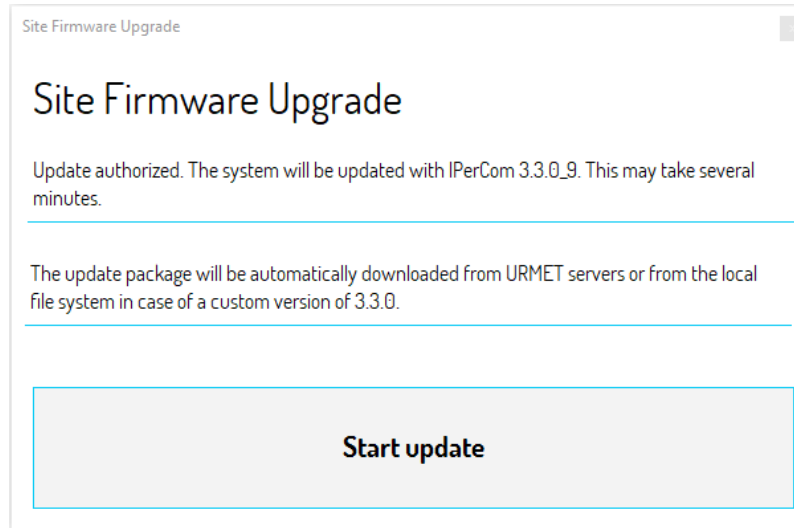


Figure 42: system update is allowed

The “*Start Update*” button starts the update process in the same way as for an unconfigured system and as explained in the next paragraph.

### 6.3 Downgrading an already configured system

Generally, the most common operation is to update a system (configured or not) to a higher version than the one already present. If, however, there is a need to perform a downgrade, i.e. update to a lower version than the one already present, **it is necessary to first delete any configuration present on the system**. If you do not proceed in this way, *IPerCom Installer Tools* displays the following error message when checking the firmware version and permissions:

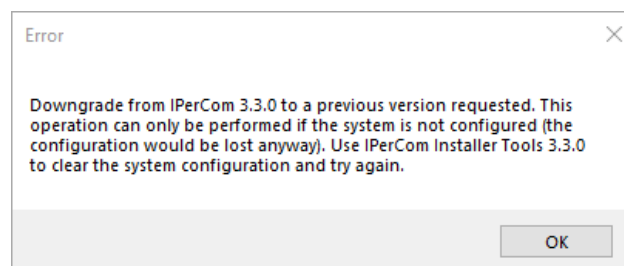


Figure 43: downgrade not possible because the system is configured

The screenshot above refers to a downgrade of a system with IPerCom version 3.3.0.

To delete the device configuration, see the paragraph [Maintenance](#).

## 6.4 Starting the upgrade

For both configured and non-configured systems, once the permissions to update the system have been checked, the screen that appears after the update wizard is the following:

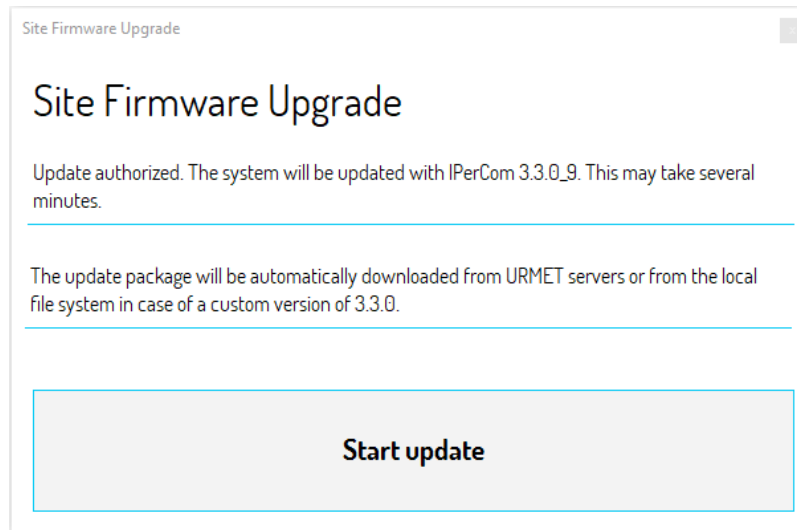


Figure 44: system update is allowed

This screen shows the official 3.3.0 version released to which the system will be updated and it is also specified that this version will be downloaded via the Internet from the Urmnet servers (the version shown in the figure above is just an example).

Pressing the button "Start update", the following screen is shown:

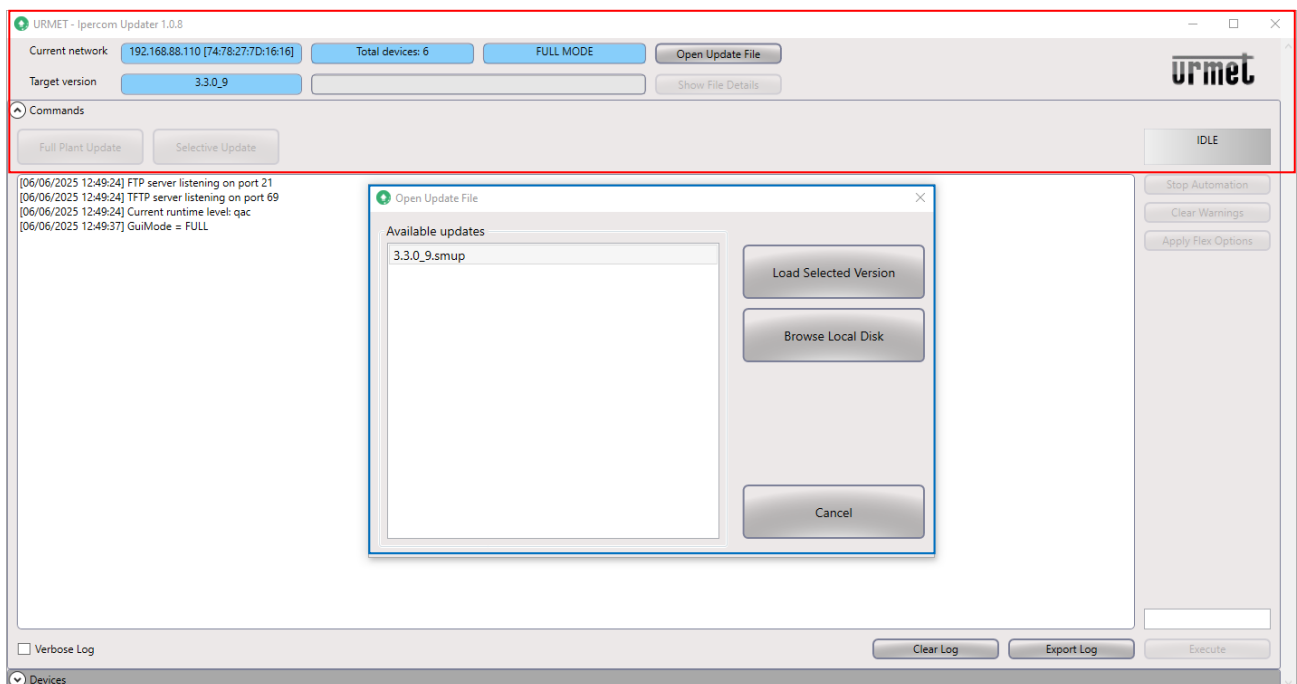


Figure 45: graphic user interface for updating the system



**Starting from version 3.3.0 of IPerCom the update files have a smup extension (blue box). The xmup and mup extensions are allowed for minor update files of version 3.3.0.**

Through this screen the installer can update the system to the required version.

The following information is shown in the upper part of [Figure 45](#) (red box):

- IP and MAC addresses of the network interface through which the PC (where *IPerCom Installer Tools* is running) connects to the IPerCom system;
- number of devices detected;
- update mode (**FULL MODE**, **ACTIVE MODE**, **PASSIVE MODE**);
- update file version to which the system is about to be updated.



The **FULL MODE** update mode refers to a system without a Server 1060/1 or a system with one or more Server 1060/1, none of which has been properly configured. The other two modes **ACTIVE MODE** and **PASSIVE MODE** refer, instead, to systems where at least one Server 1060/1 is properly configured. For further details see paragraph [System with at least one Server 1060/1 configured to upgrade devices](#).

The commands for updating the system are displayed in [Figure 45](#) in the blue box and are explained in detail below:

- “Load Selected Version”: allows you to download the selected update file (following a confirmation dialog box) and choose where to save it on your PC;
- “Browse Local Disk”: allows you to select a **custom update file** from your PC;
- “Cancel”: allows you to close the window shown in the blue box (this window can be opened again by pressing the “Open Update File” button in the red box.).

The steps to follow to update the system to the IPerCom 3.3.0 version are now reported below. For all other methods of updating a system and for all the functions relating to the screen shown in [Figure 45](#), please refer to the following paragraphs.



Regardless of the IPerCom version selected in the launcher, [Figure 45](#) always automatically displays the officially released update file.



**If you select an update file other than the officially released update file, using the “Browse Local Disk” button, the update will not be allowed. The “Browse Local Disk” button should only be used to update the system with custom update files of the same IPerCom version previously selected in [Figure 45](#) (for further detail see [APPENDIX A1: Custom video door phones](#)).**



**For version 3.1.0 of IPerCom there will be two update files: the installer will be able to choose whether to download the update file with the YnO application for the MAX and VOG<sup>7</sup> video door phones or the one with the YnO UP application for the same video door phones. The YnO application is compatible with Yokis V5 devices while the YnO UP application is compatible with Yokis V6 devices.**

#### 6.4.1 Basic steps to update your system

Once the update wizard to version 3.3.0 is completed, the following screen is displayed (as already reported in the previous paragraph):

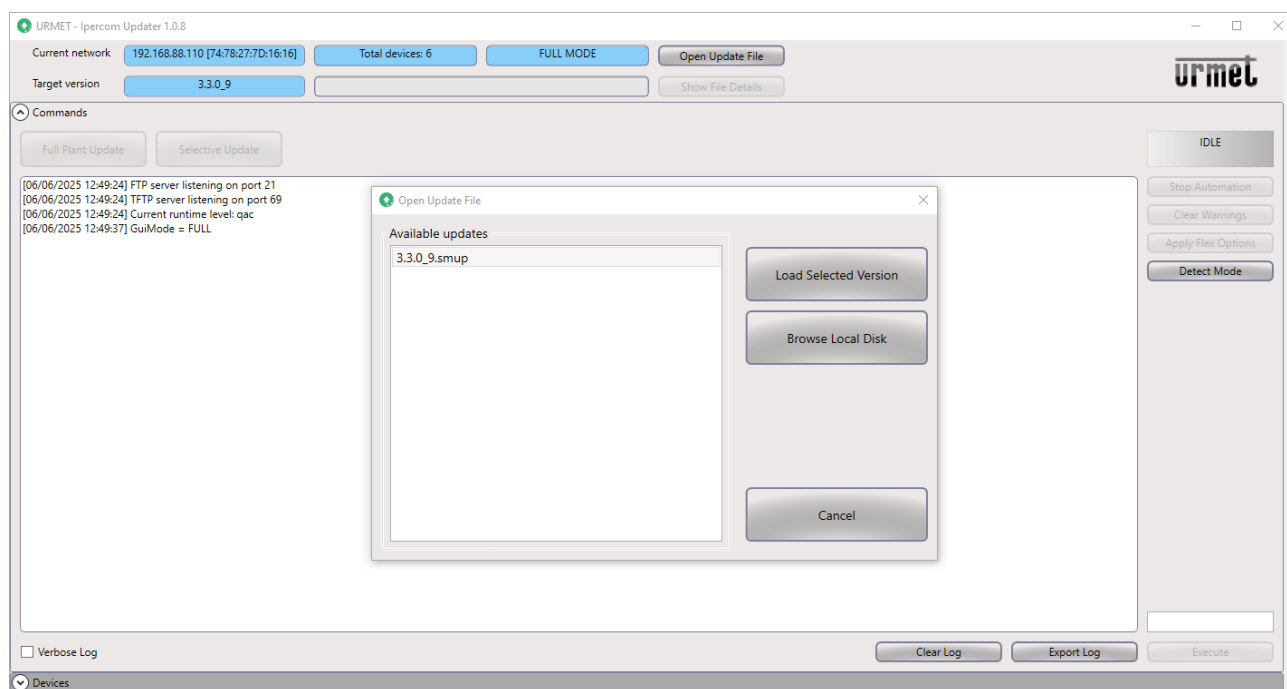


Figure 46: graphic user interface for updating the system

To update your system to version 3.3.0, follow the steps below (steps are referred to **FULL MODE**).

1. Press the “Load Selected Version” button to proceed with the download of the update file, after choosing where to save it on your PC:

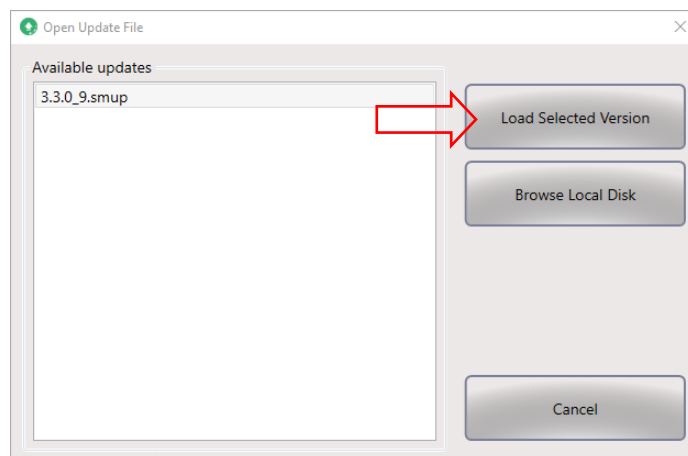


Figure 47: button for starting the download of the update file

2. Wait for the download to finish (the download progress is highlighted in the figure below):

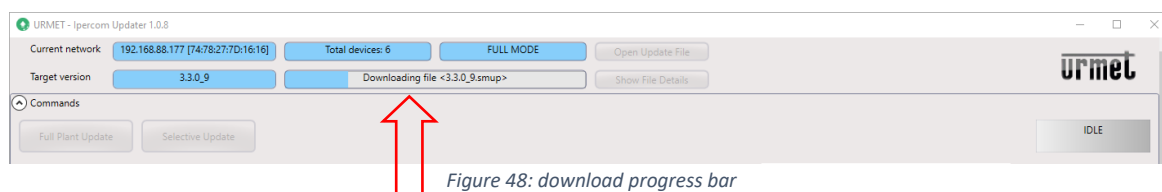


Figure 48: download progress bar

3. Once the download phase is finished, wait for the file to be processed correctly (as highlighted in the figure below):

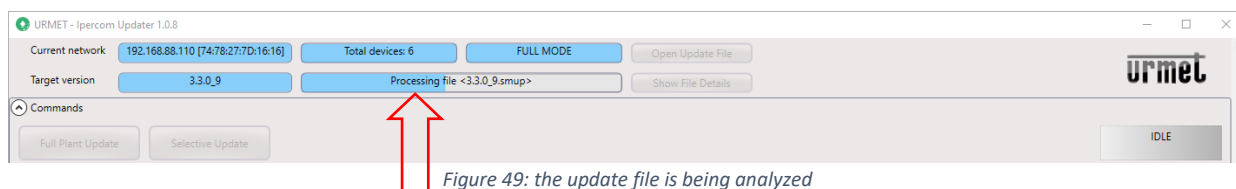


Figure 49: the update file is being analyzed

- Once the processing phase of the downloaded update file is finished, the screen shown below appears, where you need to press the “Yes” button to start the system update:

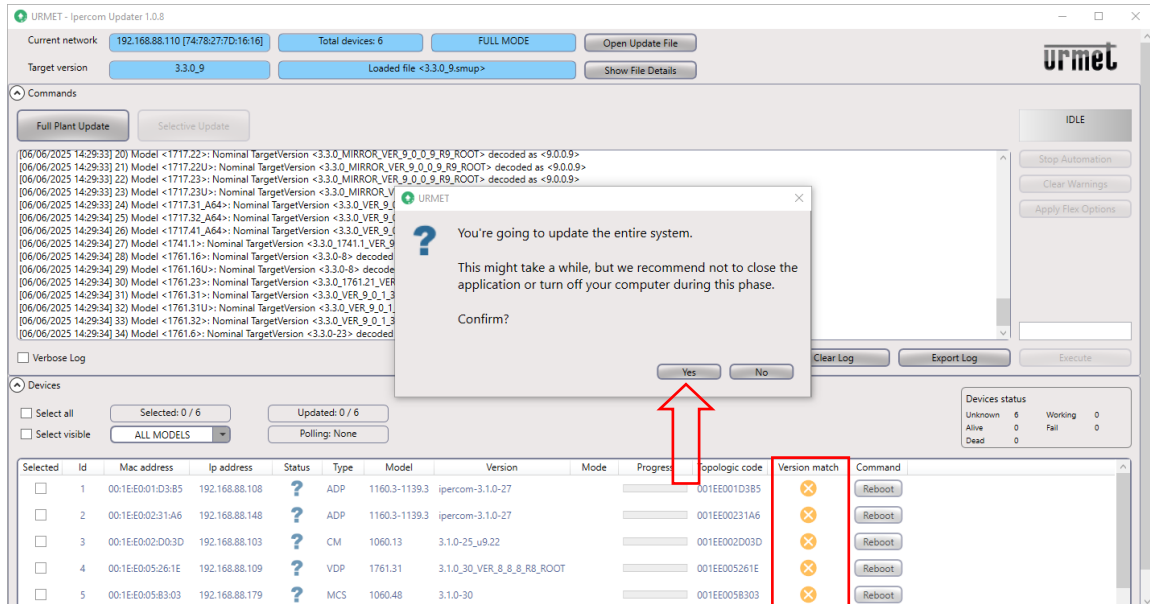


Figure 50: The update file has been downloaded and processed successfully

The “Version Match” column shows the icon (red box), meaning that the devices are not aligned to the imported update file.

If new devices are added to the system at this stage, they will never be added to the list of [Figure 50](#). To make them appear, you must repeat the firmware upgrade procedure from the beginning (as reported in the paragraph [Upgrading to version 3.3.0: system not yet configured](#)).

- Once the update phase has started, the correct end of the update is indicated by the icon in the column “Version Match”, as shown in the following window:

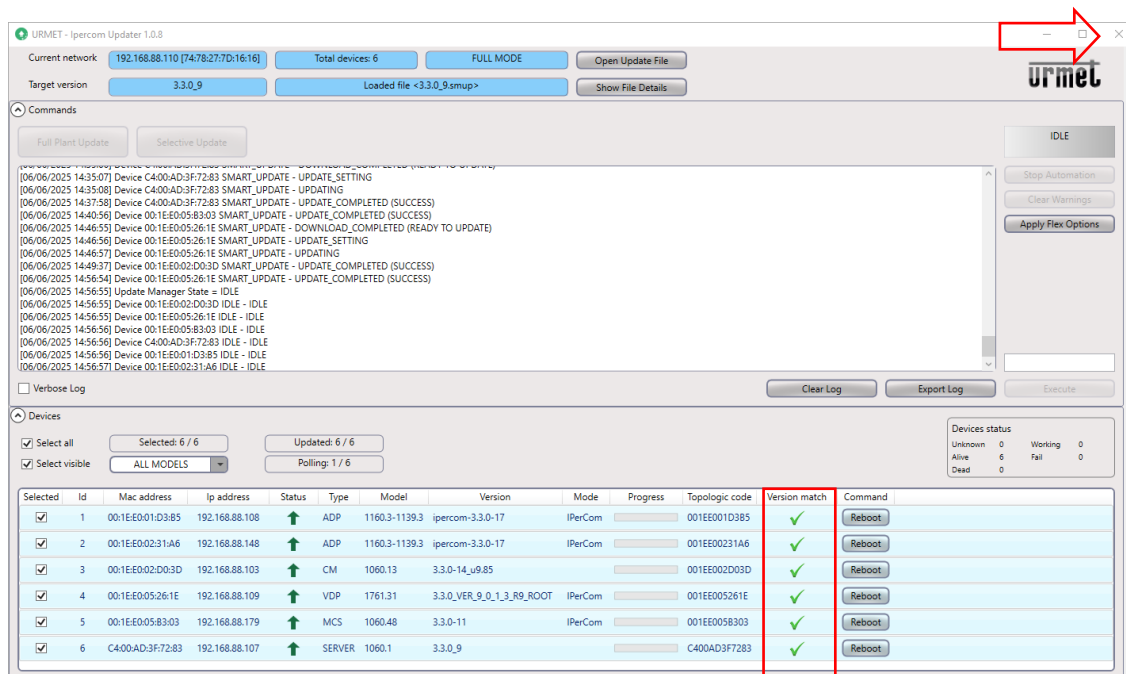


Figure 51: successful end of update

- Once the update is complete, simply close the screen using the “X” button in the top right (see red arrow in [Figure 51](#)).

## 6.5 IPerCom devices upgrade mode

The steps described in the previous paragraph can be performed in 2 different ways, both leading to the same result, that is, updating the system (as reported in [Figure 51](#)): the only thing that changes is the way the devices are updated, or more precisely, who updates them.

The update method can change if in the system there is at least 1 appropriately configured Server 1060/1. In detail this means that the Server must be:

- present in the system configuration (for further details see paragraph [Adding devices](#));
- configured to upgrade other system devices (for further details see paragraph [Maintenance Settings](#)).

The 2 update methods will be described in more detail below, underlining the differences.

### 6.5.1 IPerCom system without Server 1060/1 configured to upgrade devices

If the IPerCom system has no *Server 1060/1* or no *Server 1060/1* present in the system is configured to update devices, the upgrade of all devices is carried out exclusively by *IPerCom Installer Tools* application, as already shown in the previous paragraph.

This also applies to any new devices added to the system.

In this case the operating mode is called **FULL MODE**.

### 6.5.2 System with at least one Server 1060/1 configured to upgrade devices

If the IPerCom system has at least a *Server 1060/1* configured for device updating, the firmware update task is partly delegated to *IPerCom Installer Tools* and partly to the *Server 1060/1*.

The devices that are updated by *IPerCom Installer Tools* are shown in the following table:

System	Device	Ref.
IPerCom	Server	1060/1
	Video door phone 7" VOG <sup>7</sup>	1761/31-31U-32-33-33U
	Video door phone 10" MAX	1717/21-21U-22-22U-23-23U
	Video door phone 7" Basic	1741/1-2-3
	Video door phone 7" MAX	1717/3x-4x
	Video door phone 10"	1761/23

*Table 3: devices that are upgraded by IPerCom Installer Tools in a system with Server 1060/1 properly configured*

This update phase is called **ACTIVE MODE**.

Once these devices have been updated, the *Server 1060/1* takes care of updating the rest of the system; this update phase is called **PASSIVE MODE**. In this operating mode it is possible only to view the update phases of the other devices.

The most important advantage of using this update mode is that, once the system has been updated and *IPerCom Installer Tools* has been closed, any not configured new devices added afterwards can be directly updated by the *Server 1060/1*.

Updating the devices via Server 1060/1 can be used also in the case of a first update of an IPerCom system that has just been installed but is not yet in operation. The points listed below must be followed:

1. using the *IPerCom Installer Tools* application, upgrade the Server 1060/1 (disconnected from the system) to the required IPerCom version;
2. create a basic IPerCom configuration that includes only the Server 1060/1 by means of the IPerCom configurator;
3. configure the Server 1060/1 so that it can upgrade the other system devices (by means of the IPerCom configurator);
4. distribute the configuration thus created to Server 1060/1;
5. connect the Server 1060/1 to the system.

In this way, the Server 1060/1 can upgrade the other devices in the system: any not configured devices added later will be still upgraded by the Server 1060/1.

For further details see [APPENDIX R: First upgrade of a system via Server 1060/1](#).



**If the Server 1060/1 has a firmware version 3.2.0 or lower and the devices connected to the system have a version 3.3.0 or higher, they will never be updated by the Server. In this use case, it is mandatory to use IPerCom Installer Tools to perform the downgrade of all devices (FULL MODE).**



**If there are several Servers 1060/1, it is necessary to upgrade them via IPerCom Installer Tools in step 1 and configure one of them so that it upgrades the other devices. Any other Server 1060/1 added later to the system need to be upgraded via IPerCom Installer Tools.**



**If you try to upgrade the system or part of it, while Server 1060/1 is updating some devices, operating mode is **PASSIVE MODE**. In **PASSIVE MODE** it is possible only monitoring the update phases of the various devices (for further details see chapter [Update of the entire system \(ACTIVE MODE and PASSIVE MODE\)](#)).**



**If after connecting a device to be updated, IPerCom Installer Tools is opened before the 1060/1 Server has started updating the device itself, IPerCom Installer Tools starts in **ACTIVE MODE**: in this situation the device can only be updated by IPerCom Installer Tools.**



**The upgrade mode via Server 1060/1 is available from IPerCom version 2.1.**



It is important to underline that in **ACTIVE MODE** IPerCom Installer Tools can also update any custom video door phones among those listed in [Table 3](#), something that the 1060/1 Server cannot do except in a single case. This topic will be seen in detail in paragraph [APPENDIX A1: Custom video door phones](#).

These 2 operating modes (**FULL MODE** and **ACTIVE/PASSIVE MODE**) will be described in detail in the following paragraphs. It is important to note that in both cases, the main purpose is to update the IPerCom system.

Regardless of whether the update is performed entirely by *IPerCom Installer Tools* or partly by *IPerCom Installer Tools* and then by the Server 1060/1, the following applies:

- to perform the upgrade correctly, the PC where the *IPerCom Installer Tools* application is running must be connected to the IPerCom system by means of a LAN cable and **not via Wi-Fi**. Furthermore, the LAN cable must be connected to one of the system switches and not to the router;
- the IP address of the network card, through which the PC (where *IPerCom Installer Tools* is running) connects to the IPerCom system, must belong to the same IPerCom subnet.
- *Switchboard* and *IPerCom Client* applications are updated provided they are running on dedicated PCs (from version 3.1 the update of the *IPerCom Client* application is performed correctly even if you do not have administrator rights on the PC);
- firmware of the following devices does not require any upgrade: *Relay Actuators*, *Key Readers*, *Lift Interface*, *iPassan Controller*, *IPerTalk Server* and *RTSP Cameras*. A table listing the upgradable devices is provided in the [APPENDIX F1: IPerCom devices that can be updated by IPerCom Installer Tools](#).

## 6.6 Main steps in the upgrade process of an IPerCom system

Regardless of the upgrading operating mode (**FULL MODE** or **ACTIVE/PASSIVE MODE**), the upgrade process follows these steps:

- launch *IPerCom Installer Tools* application;
- select from the drop-down menu the version to which you want to update the system;
- press the “Firmware Upgrade” button;
- follow all the various steps of the update wizard;
- press the “Load Selected Version” button to proceed with the download of the update file, after choosing where to save the update file on your PC;
- wait for the update file to download and process to finish.

### 6.6.1 Device upgrade: FULL MODE

At the end of the steps reported below, a dialogue box appears asking the user whether he wants to update the entire system or not:

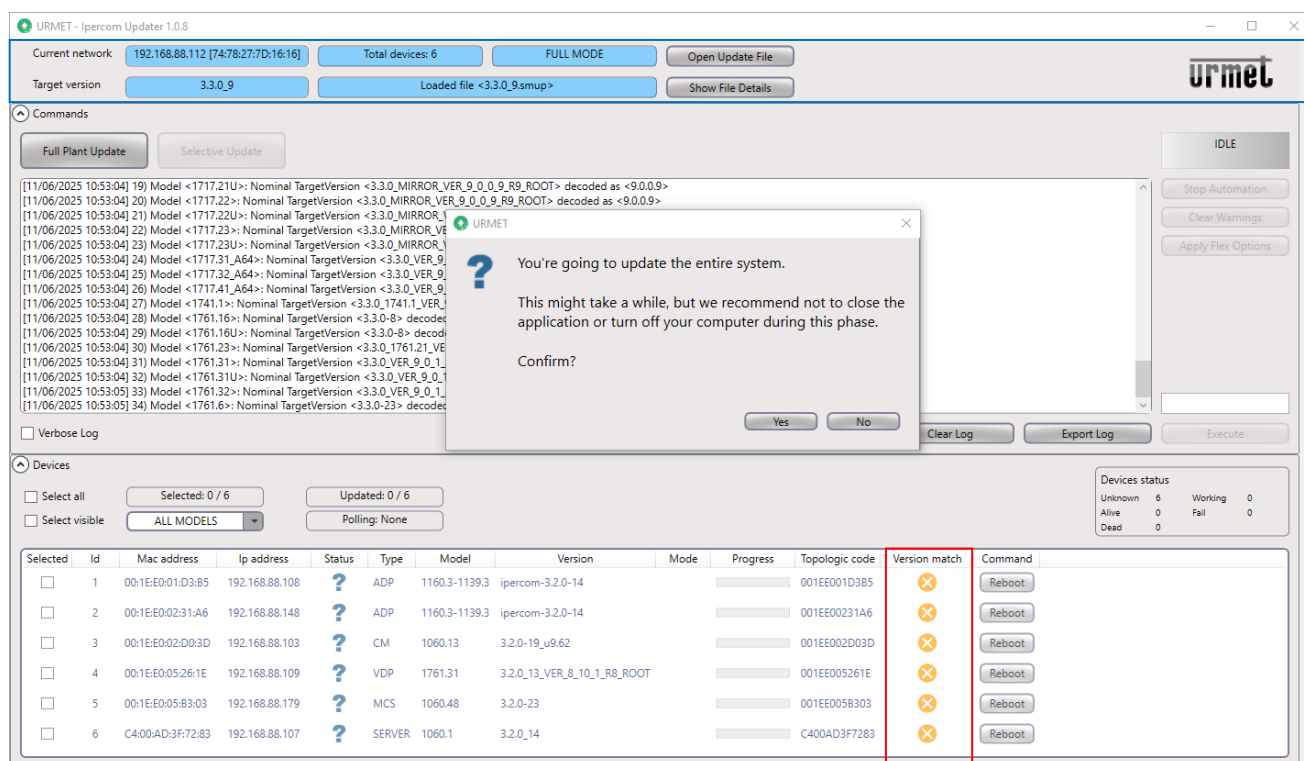


Figure 52: end of processing phase

If it is necessary to update the entire system, press the “Yes” button, if instead it is necessary to update only part of the system's devices, press “No” button. The 2 update modes will be seen in detail in the next paragraphs and refer to the operating mode **FULL MODE**, that is the upgrade of all devices will be made by the application *IPerCom Installer Tools*.

Regardless of the type of update performed (selective or full), the following information is shown at the top of the screen (blue box):

- “Current network”: IP and MAC addresses of the network interface through which the PC, where *IPerCom Installer Tools* is running, connects to the IPerCom system;
- “Total devices”: number of devices detected to update;
- “Upgrade mode”: **FULL MODE / ACTIVE MODE / PASSIVE MODE**;
- “Target version”: update file version to which the system is about to be updated;

The “Show File Details” button shows a window with the list of the various device models and the relevant version of the upgrade file included in the smup file:

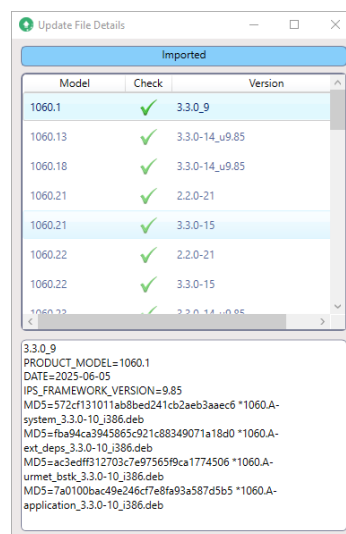




Figure 53: update file imported successfully

In the image above you can also see that the symbol  appears in the “Version Match” column, meaning that the firmware version of all the devices in the system does not match that of the update file loaded (red box).

 If an update file is loaded into *IPerCom Installer Tools* and if the system has already been updated to the same imported update file, the following message is shown:

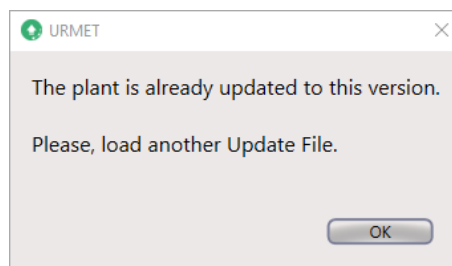


Figure 54: system already updated

In this case the symbol  appears in the “Version Match” column of [Figure 52](#) and there is no possibility to update the system.

### 6.6.1.1 Update of the entire system (FULL MODE)

To update the entire system in **FULL MODE**, after importing the upgrade file, press the “Yes” button (red arrow) in the figure below:

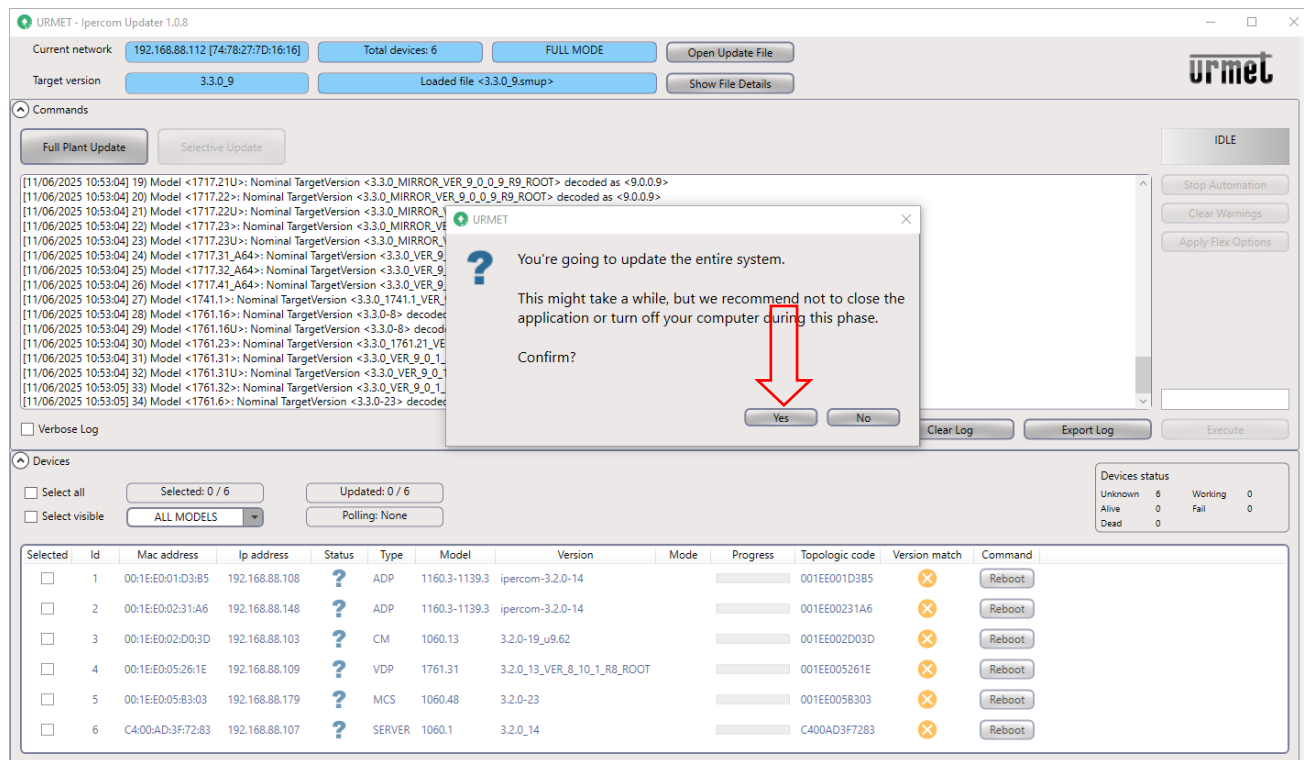


Figure 55: upgrade of the whole system

The same result can be obtained by pressing the “No” button and then pressing the “Full Plant Update” button. This way of proceeding can be useful for carrying out checks on the detected devices and their firmware version before proceeding with the update (for further details see [Devices section](#)).

In both cases even if devices are not selected (all or in part), they are automatically selected when the update phase starts.

The upgrade process starts as shown in the figure below:

Selected	Id	Mac address	Ip address	Status	Type	Model	Version	Mode	Progress	Topologic code	Version match	Command
<input checked="" type="checkbox"/>	1	00:1E:00:01:D3:B5	192.168.88.108		ADP	1160.3-1139.3	ipercom-3.2.0-14	IperCom		001EE001D3B5		Reboot
<input checked="" type="checkbox"/>	2	00:1E:00:02:31:A6	192.168.88.148		ADP	1160.3-1139.3	ipercom-3.2.0-14	IperCom		001EE00231A6		Reboot
<input checked="" type="checkbox"/>	3	00:1E:00:02:D0:3D	192.168.88.103		CM	1060.13	3.2.0-19_u9.62			001EE002D03D		Reboot
<input checked="" type="checkbox"/>	4	00:1E:00:05:26:1E	192.168.88.109		VDP	1761.31	3.2.0_13_VER_8_10_1_R8_ROOT	IperCom		001EE005261E		Reboot
<input checked="" type="checkbox"/>	5	00:1E:00:05:83:03	192.168.88.179		MCS	1060.48	3.2.0-23	IperCom		001EE0058303		Reboot
<input checked="" type="checkbox"/>	6	C4:00:AD:3F:72:83	192.168.88.107		SERVER	1060.1	3.2.0_14			C400AD3F7283		Reboot

Figure 56: upload and upgrade phases

Two different phases are requested for updating the devices:

- upload phase, that is the single firmware upgrade file is uploaded to all the selected devices that need to be upgraded (green progress bar in the “Progress” column);
- upgrade phase, that is the devices are upgraded to the new version (red progress bar in the “Progress” column).

In both cases status of devices show icon  in “Status” column, that is firmware upgrade in progress.

“Status” and “Progress” columns are in blue boxes in [Figure 56](#).



*When the progress bar is red, the devices are out of service.*



*During the whole upgrade phase do not turn off your PC or close IPerCom Installer Tools application, as this may affect the correct upgrade of the devices. As a result, we recommend using a PC powered by the 230Vac mains.*

During the phase of upload and upgrade the **Commands** section appears as shown below:

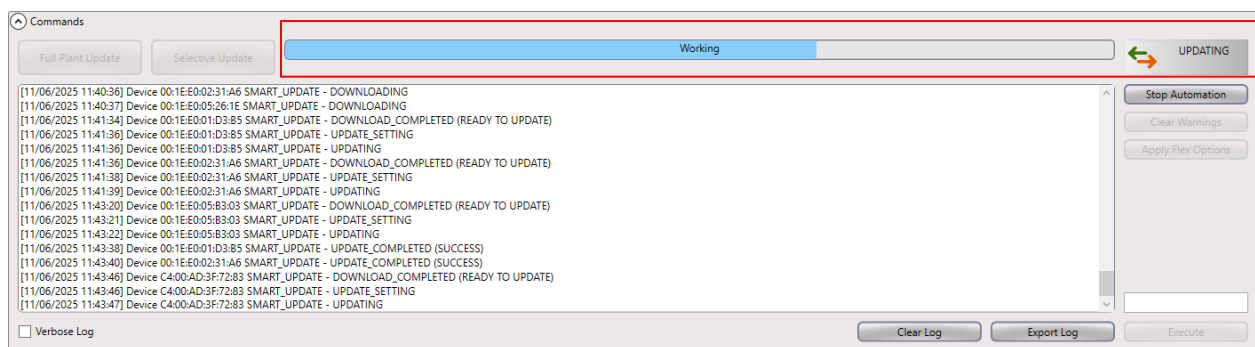


Figure 57: commands section during the upload and upgrade phase

The upload and update phases are highlighted by a blue progress bar and an appropriate icon (see red box in the figure above).

During this phase, there is a default automatic mechanism for restoring any errors and repeating the update cycle (for maximum 5 times) if one or more devices fail to update. The “*Stop Automation*” button allows you to block this mechanism by pressing the “Yes” button in the relevant dialogue box:

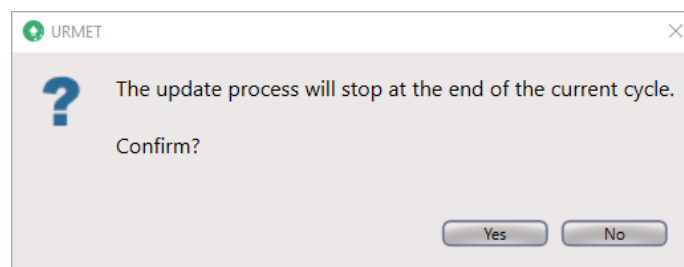


Figure 58: request to stop the update process at the current cycle

In this case any failed update messages on one or more devices must be manually deleted and a following update cycle must be started manually. If the automatic mechanism is not removed, the above is performed automatically a maximum of 5 times. For further details see [APPENDIX C1: Failure to upgrade all devices](#).

The success of the update procedure is indicated by a green tick for each system device in the “*Version Match*” column (green box):

Selected	Id	Mac address	Ip address	Status	Type	Model	Version	Mode	Progress	Topologic code	Version match	Command
<input checked="" type="checkbox"/>	1	00:1E:E0:01:D3:B5	192.168.88.108	↑	ADP	1160.3-1139.3	ipercom-3.3.0-17	IPerCom	<div><div></div></div>	001EE001D3B5	✓	Reboot
<input checked="" type="checkbox"/>	2	00:1E:E0:02:31:A6	192.168.88.148	↑	ADP	1160.3-1139.3	ipercom-3.3.0-17	IPerCom	<div><div></div></div>	001EE00231A6	✓	Reboot
<input checked="" type="checkbox"/>	3	00:1E:E0:02:D0:3D	192.168.88.103	↑	CM	1060.13	3.3.0-14_u9.85		<div><div></div></div>	001EE002D03D	✓	Reboot
<input checked="" type="checkbox"/>	4	00:1E:E0:05:26:1E	192.168.88.109	↑	VDP	1761.31	3.3.0_VER_9_0_1_3_R9_ROOT	IPerCom	<div><div></div></div>	001EE005261E	✓	Reboot
<input checked="" type="checkbox"/>	5	00:1E:E0:05:B3:03	192.168.88.179	↑	MCS	1060.48	3.3.0-11	IPerCom	<div><div></div></div>	001EE005B303	✓	Reboot
<input checked="" type="checkbox"/>	6	C4:00:AD:3F:72:83	192.168.88.107	↑	SERVER	1060.1	3.3.0_9		<div><div></div></div>	C400AD3F7283	✓	Reboot

Figure 59: devices upgraded

In the “*Version*” column for each device the corresponding firmware version present in the smup file imported in *IPerCom Installer Tools* is shown.



At the end of the upgrade procedure, it is possible to check on the system video door phones that the firmware release corresponds to the one installed. For further details, see the user’s manuals of the single video door phones on website [www.urmet.com](http://www.urmet.com).

### 6.6.1.2 Selective update (FULL MODE)

The “*Selective Update*” button allows you to update only the devices selected in the **Devices** section, therefore it is useful when it is not necessary to update the entire system but for some need you want to update only one or more devices.

In **FULL MODE** this function is useful for example if some not configured devices with different firmware versions are added to an already updated and functioning system. In this case, after importing the update file, the following window appears:

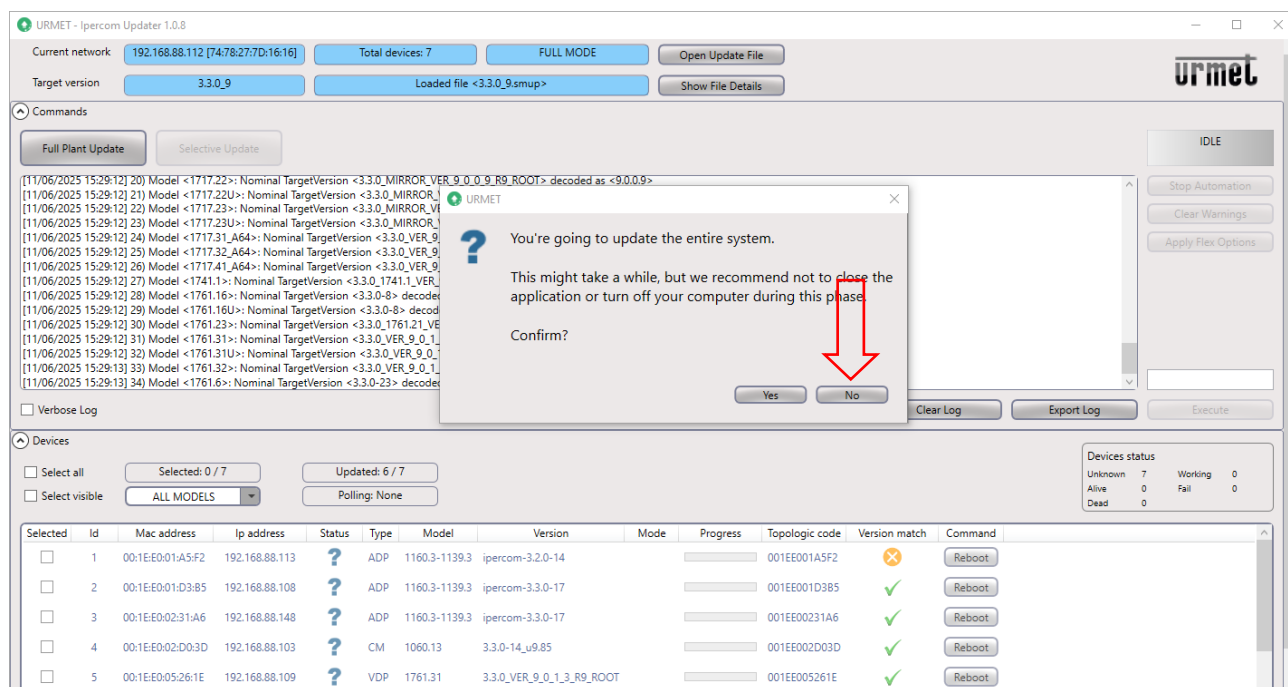


Figure 60: procedure to upgrade one or more devices and not the entire system

By pressing the “No” button (red arrow), you can identify the device or devices to be updated (red box):

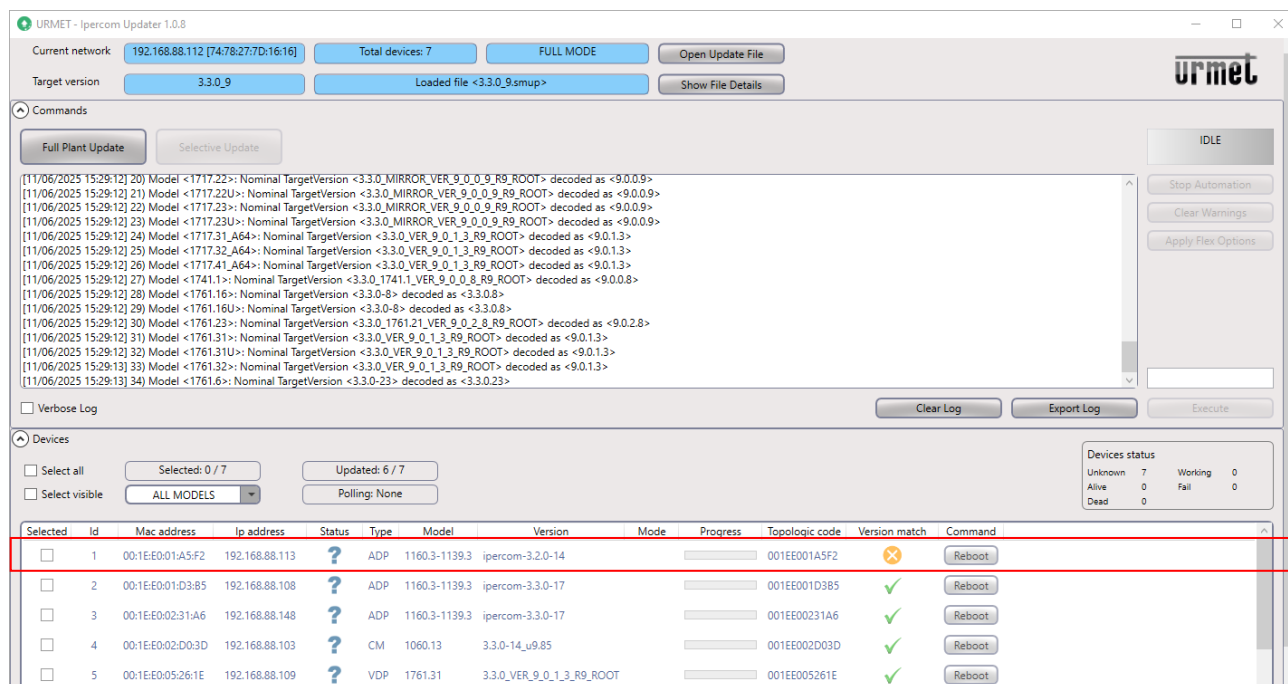


Figure 61: device added to be updated

After selecting the device to update only, press the button “*Selective Update*”:

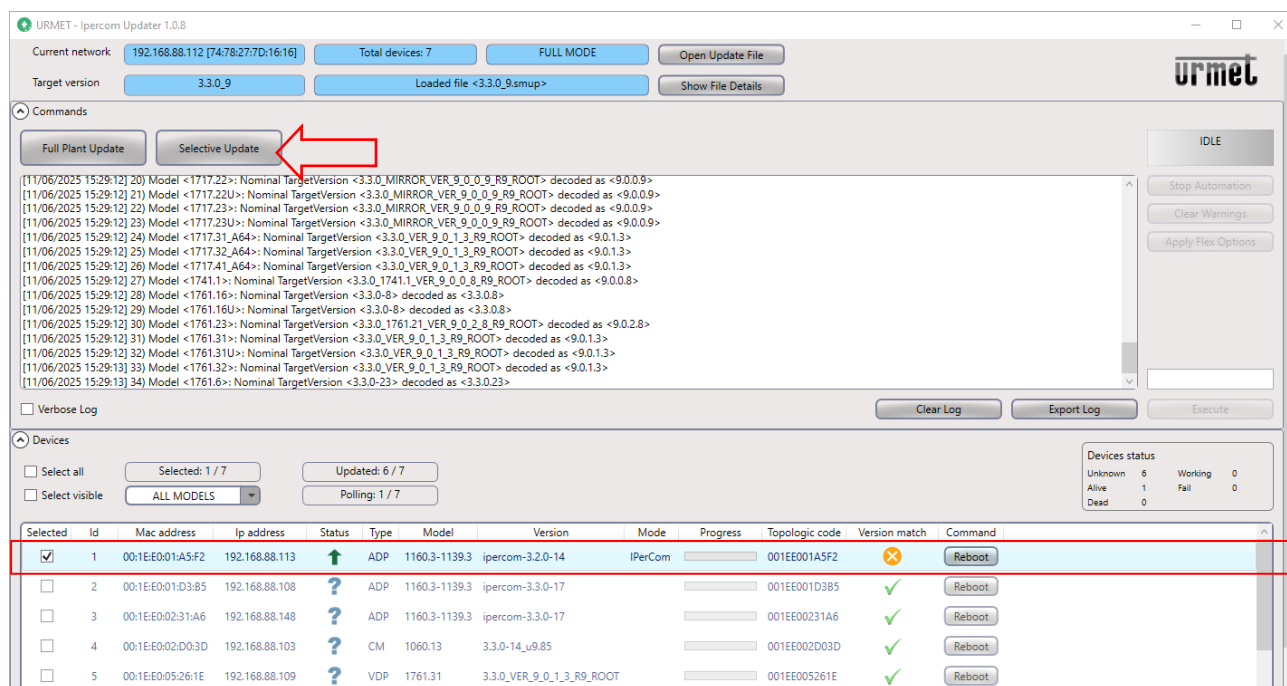


Figure 62: device to be updated selected

Pressing this button starts the update of only the selected devices, after confirming the operation in the relevant dialogue box:

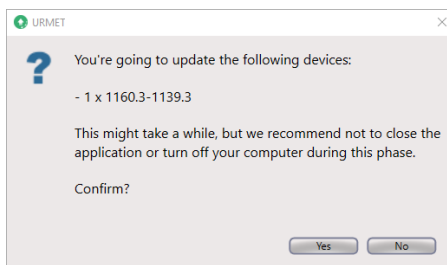


Figure 63: dialogue box of selective update

The update mode is like that seen for updating the entire system (for further details see [Update of the entire system \(FULL MODE\)](#) ).



To quickly identify the devices to be updated (in the case of large systems) simply select all devices in [Figure 62](#) with the “Select all” checkbox and exclude those already updated (“Exclude updated ones” item). For full details on this way of proceeding see paragraph [Errore. L'origine riferimento non è stata trovata.](#).



Updating devices with different firmware versions added to an already updated system can also be done simply by pressing the “Full Plant Update” button: in this case only the devices whose firmware version is not aligned with the update file imported will be updated. Similarly, updating the entire system can be done via the “Selective Update” button by selecting all the devices.



The “Selective Update” button is activated if among the selected devices there is at least one that is not aligned with the update file imported.

## 6.6.2 Device upgrade: ACTIVE MODE and PASSIVE MODE

During the update phase, **ACTIVE MODE** is detected if the following two conditions are met:

- in the system to be upgraded there is at least one *Server 1060/1* configured to upgrade other system devices;
- none of the *Servers 1060/1* are upgrading other devices.

What was reported above for the **FULL MODE** remains almost similar for **ACTIVE MODE**. The main differences are listed below.

- 1) The upper part of the application shows the label **ACTIVE MODE** instead of **FULL MODE**:

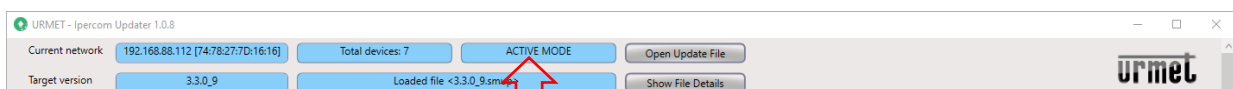


Figure 64: ACTIVE MODE displayed in the upper part of application

- 2) In **ACTIVE MODE** if you want to update the entire system, *IPerCom Installer Tools* takes care of updating only the devices listed below:

System	Device	Ref.
IPerCom	Server	1060/1
	Video door phone 7" VOG <sup>7</sup>	1761/31-31U-32-33-33U
	Video door phone 10" MAX	1717/21-21U-22-22U-23-23U
	Video door phone 7" Basic	1741/1-2-3
	Video door phone 7" MAX	1717/3x-4x
	Video door phone 10"	1761/23

Table 4: devices that can be upgraded in ACTIVE MODE

Once the devices shown in [Table 4](#) have been updated, the *Server 1060/1* will take care of updating the rest of the system; during this phase **PASSIVE MODE** starts. In this operating mode it is only possible to view the update phases of the other devices. The transition between **ACTIVE MODE** and **PASSIVE MODE** occurs automatically: this is valid if you update the entire system via the “*Full Plant Update*” button or by pressing the “*Yes*” button in the dialogue box that appears after importing the update file into *IPerCom Installer Tools*.

The 2 update methods (already seen for **FULL MODE**) will now be described, that is updating the entire system or making a selective update.

#### 6.6.2.1 Update of the entire system (ACTIVE MODE and PASSIVE MODE)

To update the entire system in **ACTIVE MODE**, after importing the upgrade file, press the “*Yes*” button (red arrow) in the figure below:

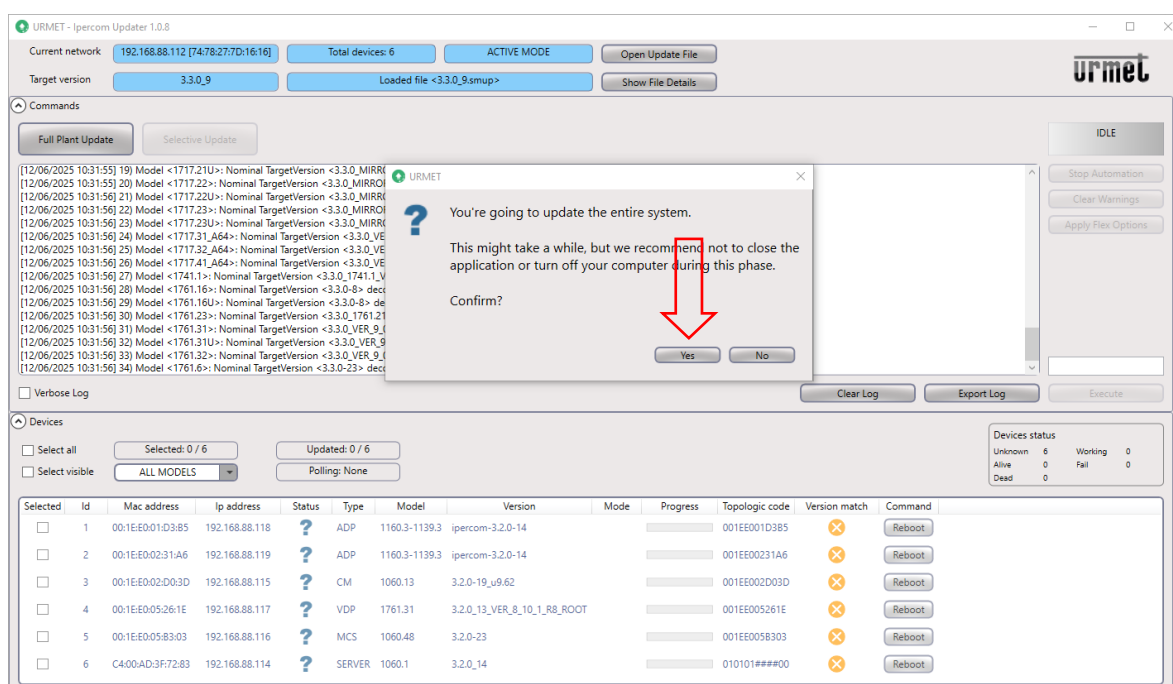


Figure 65: upgrade of the system in ACTIVE MODE

The same result can be obtained by pressing the “*No*” button and then pressing the “*Full Plant Update*” button. This way of proceeding can be useful for carrying out checks on the devices found by *IPerCom Installer Tools* and their firmware version before proceeding with the update.



In both cases even if devices are not selected (all or in part), they are automatically selected when the update phase starts.



If an update file is imported into IPerCom Installer Tools and if the system has already been updated to the same imported update file, the same message reported in [Figure 54](#) is shown.

The upgrade process starts with Server 1060/1 and video door phones as shown in the figure below and as was reported in point 2 of the previous paragraph:

Selected	Id	Mac address	Ip address	Status	Type	Model	Version	Mode	Progress	Topologic code	Version match	Command
<input checked="" type="checkbox"/>	1	00:1E:00:01:D3:B5	192.168.88.118	↑	ADP	1160.3-1139.3	ipercom-3.2.0-14			001EE001D3B5	✗	Reboot
<input checked="" type="checkbox"/>	2	00:1E:00:02:31:A6	192.168.88.119	↑	ADP	1160.3-1139.3	ipercom-3.2.0-14			001EE00231A6	✗	Reboot
<input checked="" type="checkbox"/>	3	00:1E:00:02:D0:3D	192.168.88.115	↑	CM	1060.13	3.2.0-19_u9.62			001EE002D03D	✗	Reboot
<input checked="" type="checkbox"/>	4	00:1E:00:05:26:1E	192.168.88.117	↔	VDP	1761.31	3.2.0_13_VER_8_10_1_R8_ROOT	IPerCom		001EE005261E	✗	Reboot
<input checked="" type="checkbox"/>	5	00:1E:00:05:83:03	192.168.88.116	↑	MCS	1060.48	3.2.0-23			001EE0058303	✗	Reboot
<input checked="" type="checkbox"/>	6	C4:00:AD:3F:72:83	192.168.88.114	↔	SERVER	1060.1	3.2.0_14			010101###00	✗	Reboot

Figure 66: upload phase and upgrade phase

The update phase of the single device involves an upload phase of the firmware update file (green progress bar in the “Progress” column) and an upgrade phase (red progress bar in the “Progress” column), as already seen before.

In both cases status of devices shows icon  in “Status” column, that is firmware upgrade in progress.

The “Show File Details” button shows a window with the list of the various device models and the relevant version of the upgrade file included in the smup file:

Update File Details

Imported

Model	Check	Version
1060.1	✓	3.3.0_9
1060.13	✓	3.3.0-14_u9.85
1060.18	✓	3.3.0-14_u9.85
1060.21	✓	2.2.0-21
1060.22	✓	3.3.0-15
1060.22	✓	2.2.0-21
1060.22	✓	3.3.0-15
1060.22	✓	3.3.0-14_u9.85

3.3.0\_9  
PRODUCT\_MODEL=1060.1  
DATE=2025-06-05  
IPS\_FRAMEWORK\_VERSION=9.85  
MD5=572cf131011ab8bed241cb2aeb3aaec6 \*1060.A-system\_3.3.0-10\_i386.deb  
MD5=fba94ca3945865c921c88349071a18d0 \*1060.A-ext\_deps\_3.3.0-10\_i386.deb  
MD5=a3cedff312703c7e97565f9ca1774506 \*1060.A-urmet\_bsttk\_3.3.0-10\_i386.deb  
MD5=7a0100bac49e246c77e8fa93a587d5b5 \*1060.A-application\_3.3.0-10\_i386.deb

Figure 67: update file imported successfully

Once the update of the *Server 1060/1* and video door phones has been completed, **PASSIVE MODE** operation is detected and the *Server 1060/1* begins to update the rest of the system:

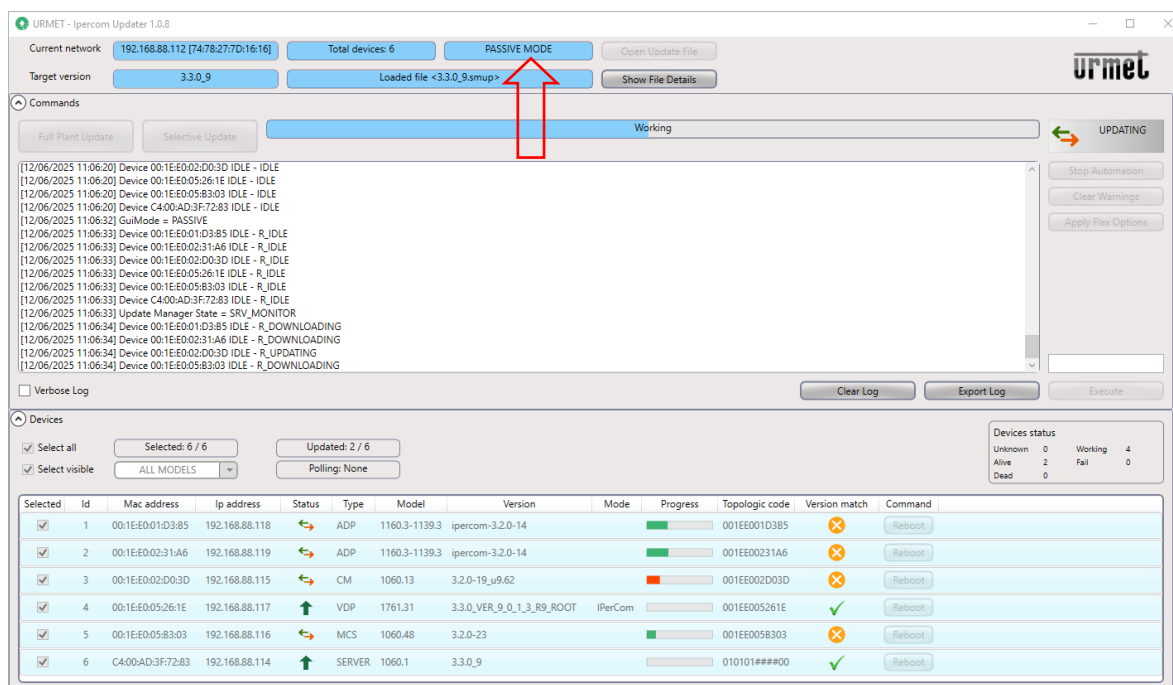


Figure 68: update of the rest of the system

In **PASSIVE MODE** *IPerCom Installer Tools* can only monitor the update phases of the various devices.

The new operating mode is displayed on the top bar of the application section (red arrows in [Figure 68](#)).



When the progress bar is red, the devices are out of service (both in **ACTIVE** and **PASSIVE** operation modes).



During the whole upgrade phase do not turn off your PC or close application (both in **ACTIVE** and **PASSIVE** operation modes), as this may affect the correct upgrade of the devices. As a result, we recommend using a PC powered by the 230Vac mains.

During the phase of upload and upgrade in **ACTIVE** mode the **Commands** section appears as shown below:

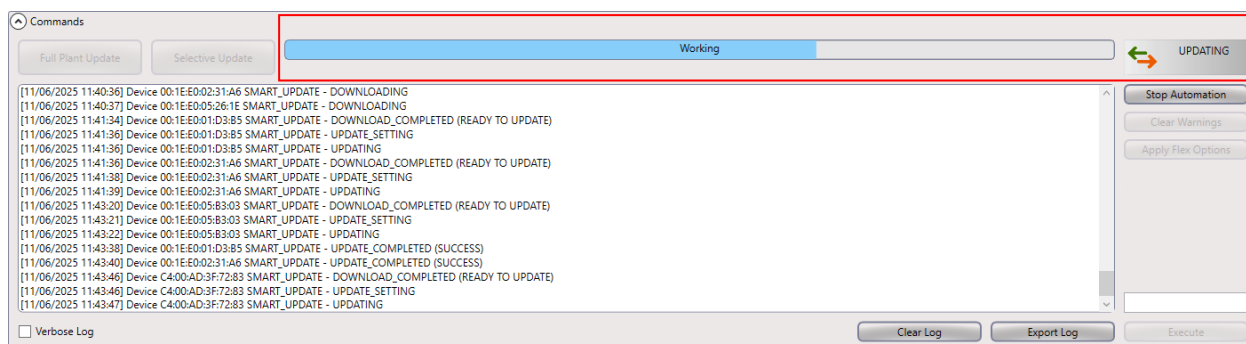


Figure 69: Commands section during the upload and upgrade phase

The update phase is highlighted by a blue progress bar and an appropriate icon (see red box in the figure above).

During the upgrade phase of **ACTIVE MODE**, there is an automatism for the points listed below:

- transition from **ACTIVE MODE** to **PASSIVE MODE**,
- restoring any errors found during the upgrade process (**ACTIVE MODE** and **PASSIVE MODE**),
- repeating the update cycle (for maximum 5 times) if one or more devices fail to update (**ACTIVE MODE** and **PASSIVE MODE**).

The “Stop Automation” button allows you to block this automatism by pressing the “Yes” button in the relevant dialogue box:

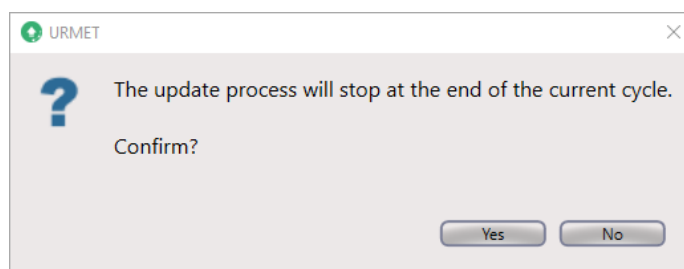


Figure 70: request to stop the update process at the current cycle

In this case the automatic transition from **ACTIVE MODE** to **PASSIVE MODE** will no longer occur and furthermore any failed update messages must be deleted manually and a following update cycle must be started manually (only for the **ACTIVE MODE**). If the automatism is not removed, the 3 points listed above are performed automatically for a maximum of 5 times. For further details see [APPENDIX C1: Failure to upgrade all devices](#).



During the **PASSIVE MODE** the button "Stop Automation" is frozen.

The success of the update procedure is indicated by a green tick for each device in the "Version Match" column (green box):

Selected	Id	Mac address	Ip address	Status	Type	Model	Version	Mode	Progress	Topologic code	Version match	Command
<input checked="" type="checkbox"/>	1	00:1E:00:01:D3:85	192.168.88.118	↑	ADP	1160.3-1139.3	ipercom-3.3.0-17	IPerCom	<div></div>	001EE001D385	✓	Reboot
<input checked="" type="checkbox"/>	2	00:1E:00:02:31:A6	192.168.88.119	↑	ADP	1160.3-1139.3	ipercom-3.3.0-17	IPerCom	<div></div>	001EE00231A6	✓	Reboot
<input checked="" type="checkbox"/>	3	00:1E:00:02:D0:3D	192.168.88.115	↑	CM	1060.13	3.3.0-14_u9.85		<div></div>	001EE002D03D	✓	Reboot
<input checked="" type="checkbox"/>	4	00:1E:00:05:26:1E	192.168.88.117	↑	VDP	1761.31	3.3.0_VER_9_0_1_3_R9_ROOT	IPerCom	<div></div>	001EE005261E	✓	Reboot
<input checked="" type="checkbox"/>	5	00:1E:00:05:83:03	192.168.88.116	↑	MCS	1060.48	3.3.0-11	IPerCom	<div></div>	001EE0058303	✓	Reboot
<input checked="" type="checkbox"/>	6	C4:00:AD:3F:72:83	192.168.88.114	↑	SERVER	1060.1	3.3.0_9		<div></div>	C400AD3F7283	✓	Reboot

Figure 71: devices upgraded

In the "Version" column for each device the corresponding firmware version present in the mup or xmup file imported in *IPerCom Installer Tools* is shown.



At the end of the upgrade procedure, it is possible to check on the system video door phones that the firmware release corresponds to the one installed. For further details, see the user's manuals of the single video door phones on website [www.urmet.com](http://www.urmet.com).

### 6.6.2.2 Selective update (ACTIVE MODE)

The “*Selective Update*” button allows you to update only the devices selected in the **Devices** section, therefore it is useful when it is not necessary to update the entire system but for some need you want to update only one or more devices. To do this, after importing the update file, the following window appears:

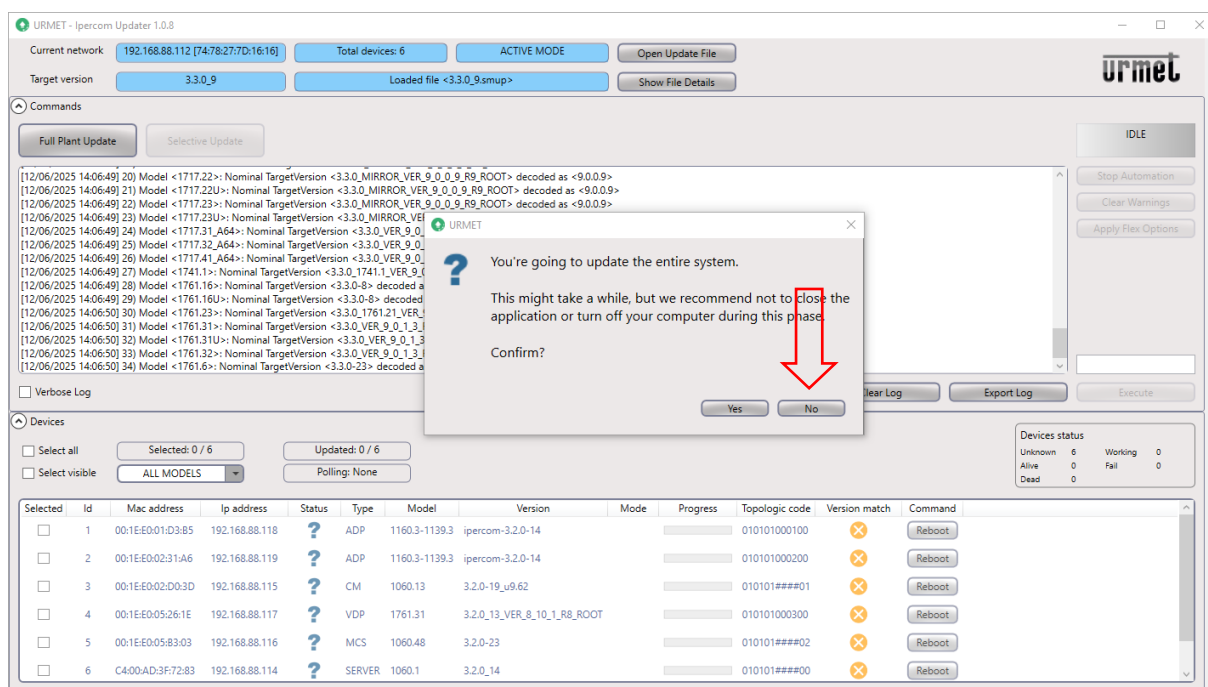


Figure 72: how to partially update the system

By pressing the “No” button (red arrow), you can identify the device or devices to be updated in the section “Devices” (red box) and press the button “Selective Update” (red arrow):

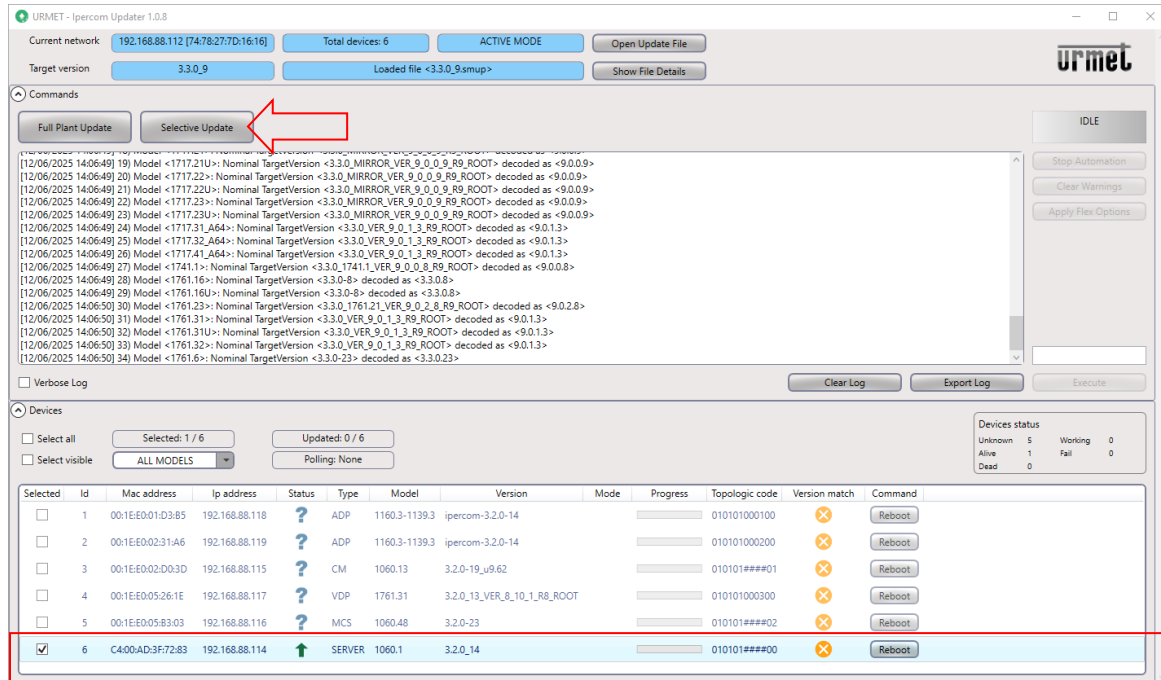


Figure 73: selective update

Pressing this button starts the update of only the selected devices, after confirming the operation in the relevant dialogue box:

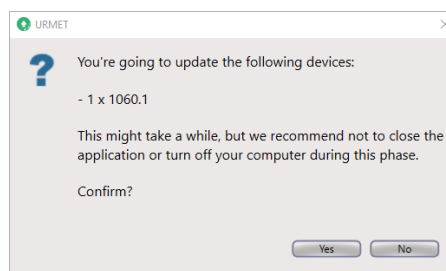


Figure 74: confirmation of selective update

**The update mode is like that seen for updating the entire system in FULL MODE, that is the device update is always performed by IPerCom Installer Tools and not by Server 1060/1, whatever device is selected.**



If all the devices are selected and the entire system is then updated using the “Selective Update” button, the update mode is like **FULL MODE** (that is, there is no transition from **ACTIVE MODE** to **PASSIVE MODE**).



*If you select and update only the 1060/1 Server configured to update the devices, it is necessary to close the IPerCom Installer Tools application so that the Server can update the rest of the system.*



*If the system has a Server configured to update devices and you connect to the system while the Server is performing an update, the operating mode is PASSIVE (both in the update file download phase and in the actual upgrade phase).*



*The 1060/1 Server configured to update the other devices does not update any other Servers present in the system.*



*Any device added to the system will be updated by the 1060/1 Server; the only exception may occur if custom video door phones are added (for further details see [APPENDIX A1: Custom video door phones](#)).*

## 6.7 Devices section

The “Devices” section is accessible after loading the update file and possibly after updating the system. In more detail, after loading the update file the following dialog box appears:

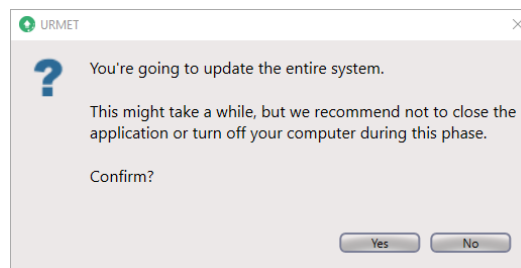


Figure 75: dialogue box for full plant update

If you press the “Yes” button, you must wait for the end of the entire system update process to access the **Devices** section; if you press the “No” button instead, the **Devices** section is immediately available and the following window is shown:

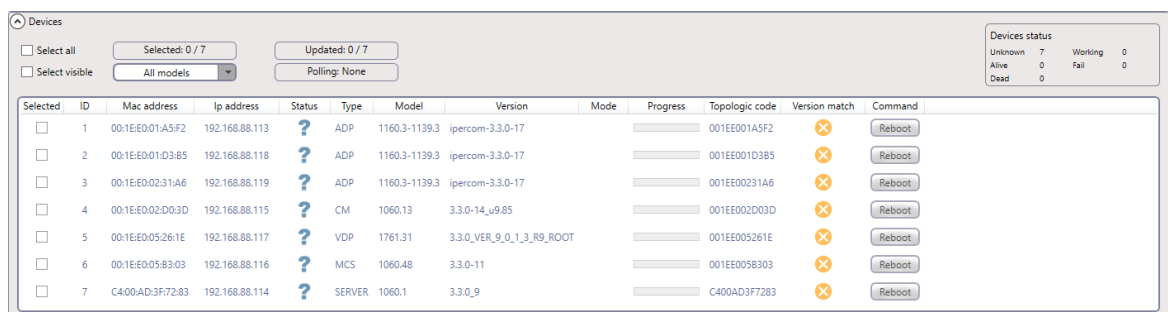


Figure 76: devices section

If you access the **Devices** section after updating, the screen in [Figure 76](#) is slightly different but the features described below remain valid.

The **Devices** section displays the devices in the IPerCom system to which you are connected and which can be updated. For each device, a series of information is reported such as IP address, MAC address, model of device found (blue box). The detailed list is reported in paragraph [Information on the devices](#).

Furthermore, you can also do the following:

- select and filter the devices found in different ways;
- detect the operating mode.

All these operations will be illustrated in detail in the paragraph [Device selection and filtering](#).

### 6.7.1 Device selection and filtering

Below is the operation of the checkboxes and drop-down menus present in the red box in the **Devices** section:

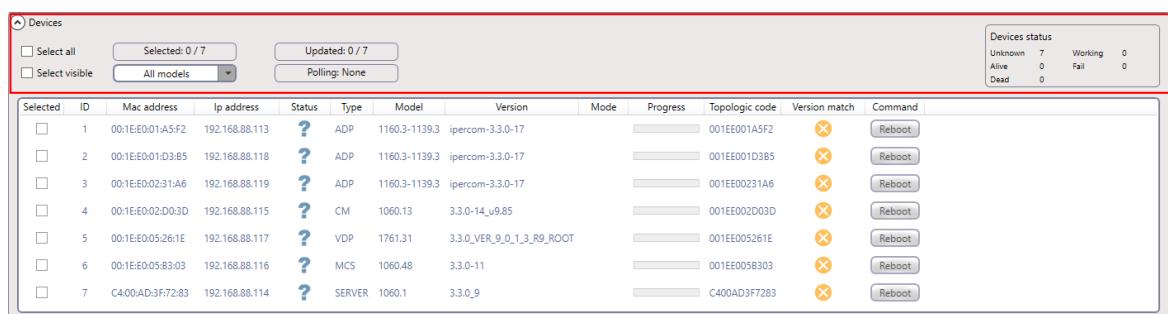


Figure 77: flags and drop-down menus in “Devices” section

Checkbox “Select all”: if selected, this checkbox allows selecting all the devices (even those not displayed in the list after a filtering operation performed with the “ALL MODELS” drop-down menu). If not selected, none of the devices found are selected.

Drop-down menu “ALL MODELS”: this drop-down menu allows filtering the list of devices found based on a single device model (see “Model” column with red arrow). Only device models present in the system are available in the drop-down menu, but not all the available models.

Checkbox “Select visible”: if selected, this checkbox allows selecting only the devices displayed in the “Devices” section; for example, if the “ALL MODELS” drop-down menu filter is set to 1060.48, selecting the “Select visible” checkbox selects only devices of model 1060.48 and not the other devices present in the system. If this box is not checked, no device displayed in the list will be selected.

This function is useful if, in the presence of many devices, you need to select only those corresponding to the model chosen before.

Field “Selected x/y”: this field displays the number of devices selected; “y” is the total number of devices found, while “x” is the number of devices selected. If x and y have the same value, then all devices have been selected, even if those displayed in the list are fewer (because of setting the “ALL MODELS” drop-down menu to a specific device model).

Field “Polling”: this field shows the value “None”, as no device has yet been selected. As soon as you select all the devices or even one, the polling service starts.

Field “Updated”: this field shows the number of updated devices, after starting the upgrade process.

Further sorting and filtering operations can be done by right-clicking the mouse in the white box where the devices are listed. The following drop-down menu appears (red arrow):

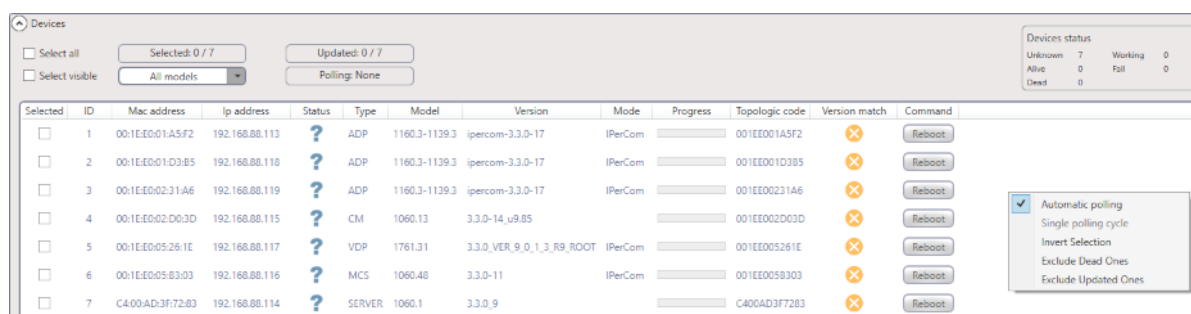


Figure 78: drop-down menu of device sorting and filtering

Menu “Automatic polling”: if selected (default choice), polling will occur cyclically on each selected device; if deselected, the menu “Single polling cycle” is enabled: pressing on this menu, a polling session of all selected devices will start from the first and end on the last device. For a further polling cycle press the “Single polling cycle” menu again (for the result of the polling see paragraph [Device status information](#)).

Menu “Invert selection”: this menu allows inverting the current selection of the various devices (from selected to unselected and vice versa).

Menu “Exclude dead ones”: this menu allows deselecting devices that are no longer connected to the system or, more generally, devices that cannot be reached via polling. These devices (if selected) are marked in the “Status” column by a red arrow (for further details, see paragraph [Information on the devices](#)).

Menu “Exclude updated ones”: this menu allows deselecting the devices whose firmware release corresponds to the one that was previously uploaded, i.e. the devices that were already updated.

#### 6.7.1.1 [Device status information](#)

On the right side of the “Devices” section there is a summary table on the operating status of the devices, as shown below:

- number of devices in “Unknown” status, that is devices not selected in the list,
- number of devices in “Alive” status, that is devices which are normally working (devices that respond to polling),
- number of devices in “Dead” status, that is devices which are not normally working (devices that do not respond to polling),
- number of devices in “Fail” status, that is devices whose upgrade process is not completed,
- number of devices in “Working” status, that is devices whose upgrade process is still running.

### 6.7.1.2 Information on the devices

For each device, a series of information is reported which may vary depending on the operation being performed. This information is grouped in a series of columns whose name, meaning, value and possible icon is shown in the following table:

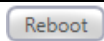
Column Name	Meaning/Possible values	Icon
Selected	Flag to select/deselect a device	<input type="checkbox"/> / <input checked="" type="checkbox"/>
ID	Unique identifier of the device	-----
Mac address	Device MAC address	-----
IP address	Device IP address	-----
Status	<u>Alive</u> : able to poll the device, if the device is selected	↑
	<u>Dead</u> : unable to poll the device, if the device is selected (e.g. if the device is not connected to the system or is faulty)	↓
	<u>Unknown</u> : the device is not selected or the application is waiting for a response from the device	?
	<u>Upload/Upgrade</u> : device firmware upgrade or firmware upload is in progress	↔
	<u>Fail</u> : the upgrade process has failed	⚠
Type	Device type (*)	-----
Model	Device model (*)	-----
Version	Firmware version on the device	-----
Mode	Type of system detected (field valued only for some devices).	-----
Progress	Progress of the upload and upgrade phase.	Progress bar green for upload phase / red for upgrade phase
Topologic code	Device position in the system topological structure (**)	-----
Version match	<u>Matches</u> : the imported firmware version matches the one already present on the device	✓
	<u>Does not match</u> : the imported firmware version does not match the one already present on the device	✗
	<u>Unknown</u> : No firmware updates have been imported yet	?
Command	Button to reboot the device	

Table 5: icon meaning



It is possible to sort the list of devices found in ascending or descending mode according to the values that appear in each individual column simply by clicking with the mouse on the column header.

## 6.8 Consequences of not having a system that is not updated to a version of IPerCom

It is essential that all devices and/or applications (*IPerCom Installer Tools*, *Switchboard* and *IPerCom Client*) are aligned to the same IPerCom version, otherwise the proper system operation is not guaranteed.

The possible presence of a misalignment between the IPerCom versions of the devices and/or applications is signalled by the IPerCom system via:

- *IPerCom Installer Tools* application,
- video door phone,
- *IPerCom Client* application,
- *Switchboard* application and table switchboard 1060/42.

The check is not actually done on the IPerCom version but on the software development platform version (UPTK) incorporated into the same IPerCom version: in general, the presence of different UPTK versions implies the presence of devices/applications with different IPerCom versions in the same system.

In all the three cases mentioned above a list of software devices/applications whose UPTK version is not aligned with the local UPTK version of the device/application that reported the misalignment is shown.

The mode in which this is reported is explained in detail in the dedicated paragraphs ([Maintenance](#) and [Devices/applications not aligned to the same IPerCom version \(or software development platform UPTK\)](#)) in the sections relating respectively to *IPerCom Installer Tools* and to the video door phones of the IPerCom system. As regards the *IPerCom Client* application and *Switchboard* 1060/41-42, please refer to the relevant manual available on the website [www.urmet.com](http://www.urmet.com).



*If there are no video door phones in the system, the IPerCom Installer Tools or Switchboard or IPerCom Client application must be used to detect the presence of devices and/or applications with misaligned IPerCom versions.*

## 7 Commissioning a system through *IPerCom Installer Tools*

To put an IPerCom system into operation, the installer must use the *IPerCom Installer Tools* application for Windows, if the system is large-medium sized. A large-medium sized system means choosing one of the following proposed models from the *configurator*:

- “Multi Block”;
- “Multiple Stairs”;
- “Single Stair”.

For further details on the proposed models by *configurator* see paragraph [Selecting the system topology \(model\) and the configurator structure](#).

The **commissioning of a system** via *IPerCom Installer Tools* essentially concerns the 4 points listed below:

- setting the date and time;
- creating the **project**, which also includes **configuration**;
- applying (distributing) the **configuration** to the system;
- securing the system.

Setting the date and time on the system via *IPerCom Installer Tools* is of fundamental importance to avoid malfunctions related to the distribution of the configuration. The distribution of date and time to the system is done by devices equipped with an internal clock (for further details see the paragraph [Minimum requirements for the installation of an IPerCom system](#)).

The creation (or the change) of the configuration on *IPerCom Installer Tools* is done by calling the *IPerCom Configurator* application or more simply *configurator* (see paragraph [The configurator](#)).

The creation (or the change) of the configuration can only be done by one user at a time and the system prevents two open configuration sessions on the same system via *IPerCom Installer Tools*.

The *configurator* allows also saving the configuration associating it to a *project*.

By means of *IPerCom Installer Tools* it is then possible to transfer the configuration to the various devices in the system and make the system itself safe (see paragraph [Site authorization management](#)).

For each officially released version of IPerCom (starting from version 1.1.0) there is the corresponding version of *IPerCom Installer Tools*, as the versions of a system and *IPerCom Installer Tools* must always be aligned.

The application allows the commissioning of an IPerCom system and at the same time features a set of additional functions which make it an indispensable tool for system configuration and maintenance. All these functions will be explained in detail later in this manual.



In the section [Upgrading and configuring an IPerCom system](#) all the features of the IPerCom Installer tools are listed.

In this introductory chapter it is sufficient to underline that in *IPerCom Installer Tools* the system you want to configure (by system meaning the entire network, devices and IPerCom software applications) is called a **site**.

It is possible to **assign a name to the site** (via the configurator of *IPerCom Installer Tools*). This is a fundamental data because it allows the site to be uniquely recognized in all the possible applications in which it is involved:

- the *configurator*, where when creating a new project, you must enter the name of the **site**;
- *IPerCom Installer Tools*, where the name of the **site** given in the *configurator* is visible in the "Site" tab on the right side of the screen,
- *CallMe Manager*, where the name of the **site** appears in the list of sites managed by the building manager.



The 3 points above are illustrated in detail in [APPENDIX M: "Site name" and "Global site ID" field definition](#).

On *IPerCom Installer Tools* in the "Site" tab, it is possible to check the alignment status between the configuration relating to the project (associated with the site) and the configuration present on the site (plant), highlighting the following possible situations:

- site configuration aligned with that present in the project (same date and time);
- site configuration older than that present in the project;
- site configuration newer than the one present in the project.

## 7.1 First run of IPerCom Installer Tools

At the first start of *IPerCom Installer Tools* application, after the search for a more up-to-date version and the possible upgrade steps have been completed, the following “launcher” is displayed:

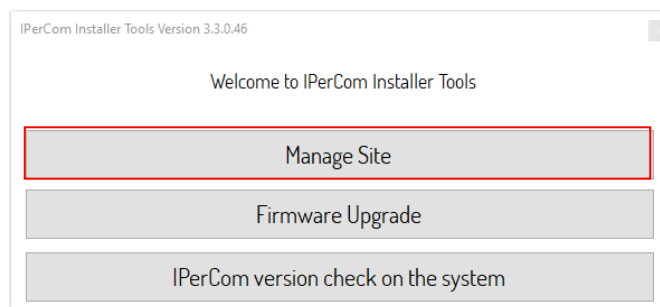


Figure 79: auto-detected or directly selected 3.3.0 IPerCom version

Press the button “*Manage Site*” in the red box; the following screen is displayed:

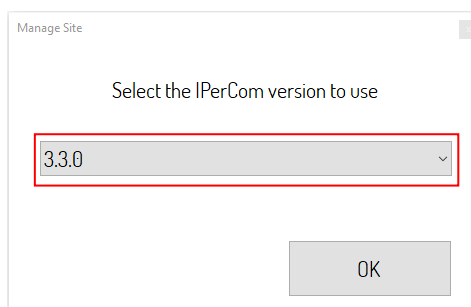


Figure 80: drop-down menu to select the IPerCom version you want to use

From the drop-down menu in the red box, select the IPerCom version you want to work with.



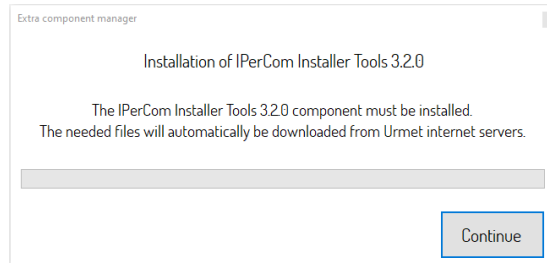
Each officially released version of IPerCom corresponds to a specific UPTK software development platform: the IPerCom Installer Tools application (which you want to use) must be aligned with this version of UPTK (otherwise IPerCom Installer Tools application reports an error). For further details see [Devices/applications not aligned to the same IPerCom version \(or software development platform UPTK\)](#).



In this way it is possible to choose from a single application (“launcher”) which version you want to work with (thus avoiding having different versions of the same application installed on the same PC).

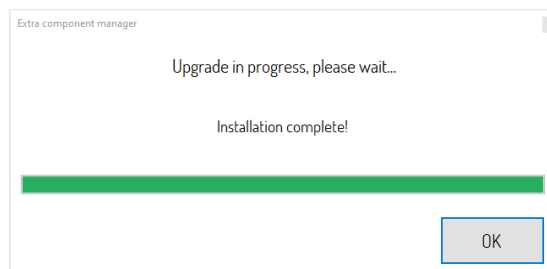


*If you choose a version of IPerCom other than 3.3.0 and then press the “OK” button, this version will be downloaded from the Internet, as shown in the figure below:*



*Figure 81: request to install version 3.2.0 of IPerCom Installer Tools*

*By pressing the “Continue” button, the download of the IPerCom Installer Tools version 3.2.0 application starts. When the download ends, the following windows appears:*



*Figure 82: version 3.2.0 of IPerCom Installer Tools installed*

*By pressing the “OK” button, the 3.2.0 version of IPerCom Installer Tools is started.*

*After downloading and installing a specific version of IPerCom Installer Tools, if this is updated online, the next time you start up you are prompted to update the version in question.*

Selecting item “3.3.0” and pressing the “OK” button, the following screen is shown:

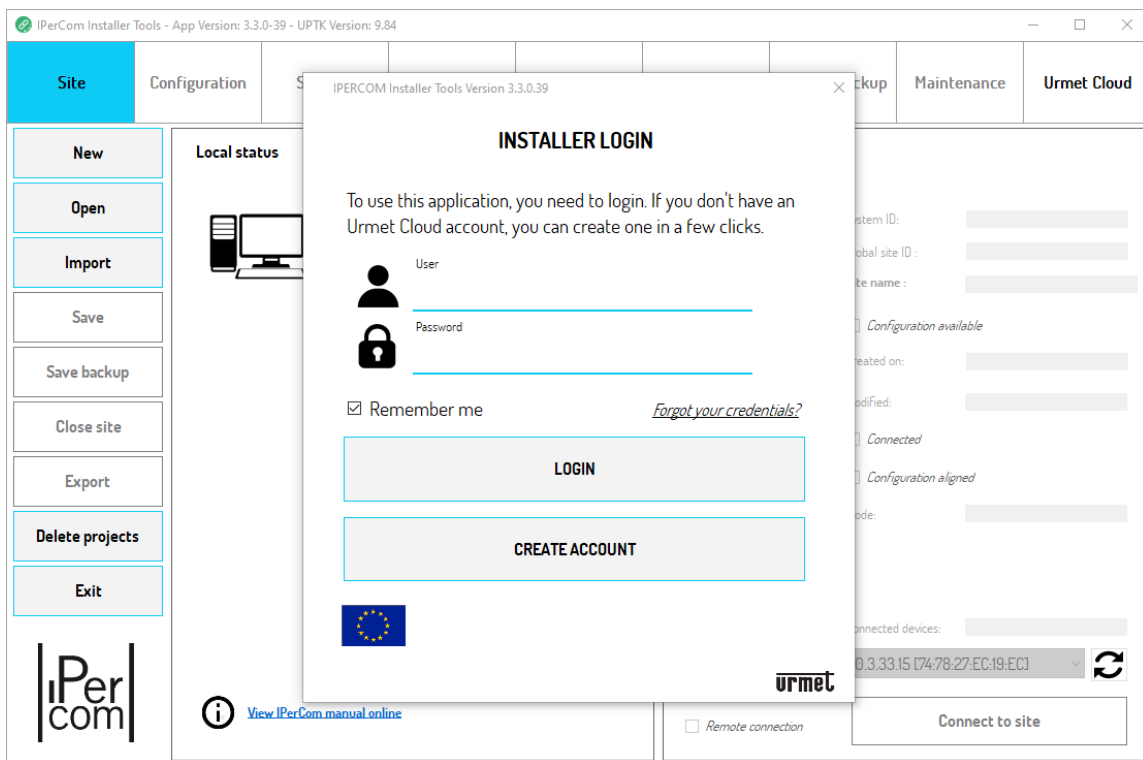






Figure 83: start screen page of IPerCom Installer Tools

The first thing the installer is asked to do is to authenticate to Urmet Cloud, creating the relevant account (if it has never been created previously).

 The icon  indicates that authentication will take place on the European Urmet cloud; if you press the mouse once on the icon in question, it turns into , indicating that the authentication will take place on the Chinese Urmet cloud.

 At the first start IPerCom Installer Tools automatically shows one or the other icon based on the first response received following a ping to the European and Chinese Urmet cloud. The setting in question is however memorized and maintained at subsequent program starts.

Registration to Urmet Cloud is mandatory for configuring the system: the PC (where the IPerCom Installer Tools application is installed) must therefore have an Internet connection.

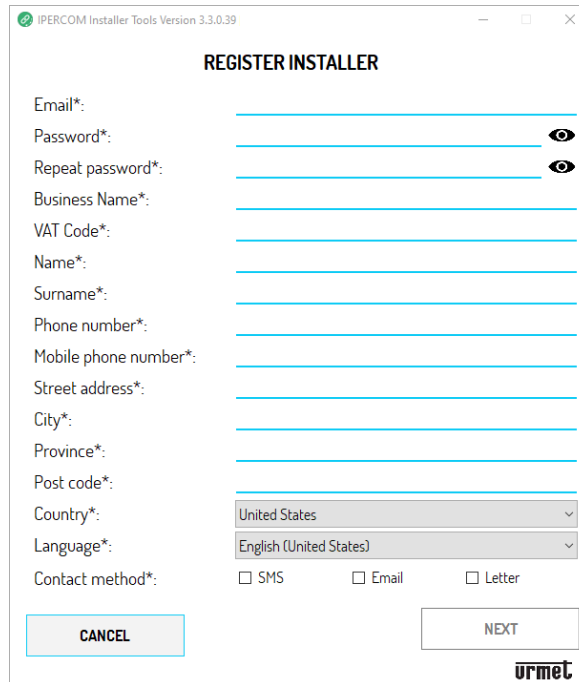
**Without registration to Urmet Cloud, it is not possible to use the IPerCom Installer Tools.**

Below is a description of what to do to authenticate to Urmet Cloud.

### 7.1.1 Urmet Cloud authentication

Creating an account is done by pressing the “*CREATE ACCOUNT*” button.

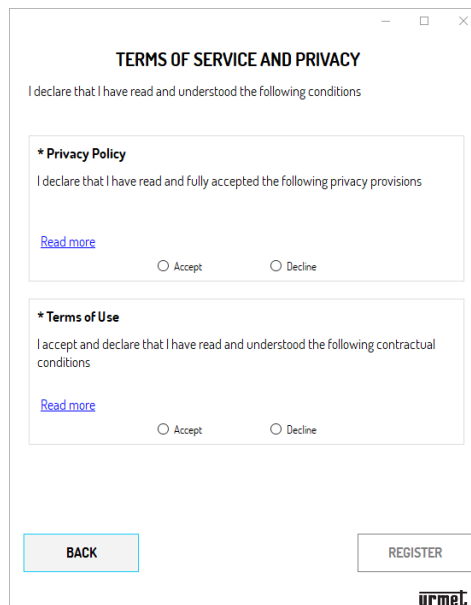
The following window opens where it is necessary to fill in the fields marked with an asterisk:



The image shows a window titled "REGISTER INSTALLER" from the "IPERCOM Installer Tools Version 3.3.0.39". It contains a list of registration fields, most of which are marked with an asterisk (\*). The fields are: Email\*, Password\*, Repeat password\*, Business Name\*, VAT Code\*, Name\*, Surname\*, Phone number\*, Mobile phone number\*, Street address\*, City\*, Province\*, Post code\*, Country\* (set to United States), Language\* (set to English (United States)), and Contact method\* (with options for SMS, Email, and Letter). At the bottom, there are "CANCEL" and "NEXT" buttons, and the Urmet logo.

Figure 84: new account registration window

After filling in all the fields correctly, the “*Next*” button is enabled and, after pressing it, the following screen appears:



The image shows a window titled "TERMS OF SERVICE AND PRIVACY". It contains two sections: "\* Privacy Policy" and "\* Terms of Use". Each section has a declaration statement, a "Read more" link, and "Accept" and "Decline" radio buttons. At the bottom, there are "BACK" and "REGISTER" buttons, and the Urmet logo.

Figure 85: terms of service and privacy

At this point, after accepting the general conditions of use and the privacy policy, you can press the “Register” button to complete the registration, as confirmed by the following dialog box:

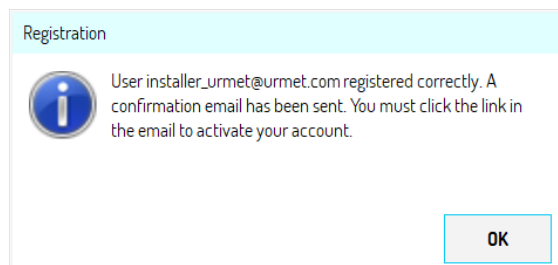


Figure 86: registration successful

The last step to do is to go to your email inbox and click on the account activation link. You are then transferred to a web page which confirms that activation was successful:

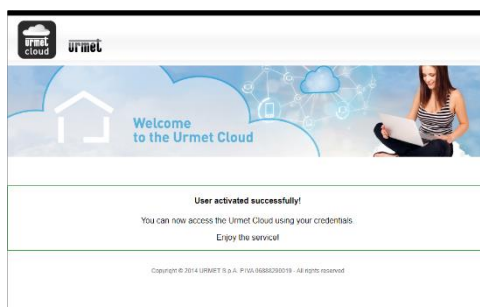


Figure 87: account activated successfully

Once the account has been activated, access to Urmet Cloud occurs by entering the username and password in the authentication window (red box):

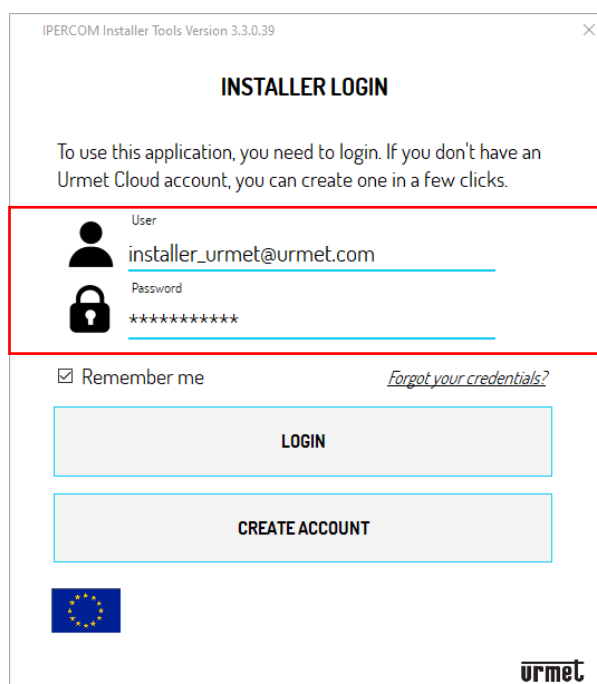


Figure 88: login window

The "User" field must be filled in with the e-mail address entered during registration, just as the password is the one entered during registration.

At this point, simply press the "LOGIN" button to authenticate on Urmet Cloud.

Correct access is indicated by the following pop-up window:

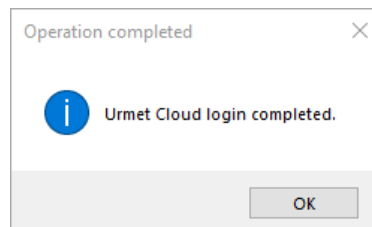


Figure 89: correct access to Urmet Cloud

In [Figure 88](#) if you select the "Remember me" field, the next time you log in to Urmet Cloud, you will no longer be asked to enter your username and password as they are automatically pre-loaded by *IPerCom Installer Tools*.

If you have forgotten your password, you can set it again pressing "Forgot your credentials?" (still in [Figure 88](#)). The window that appears is the following:

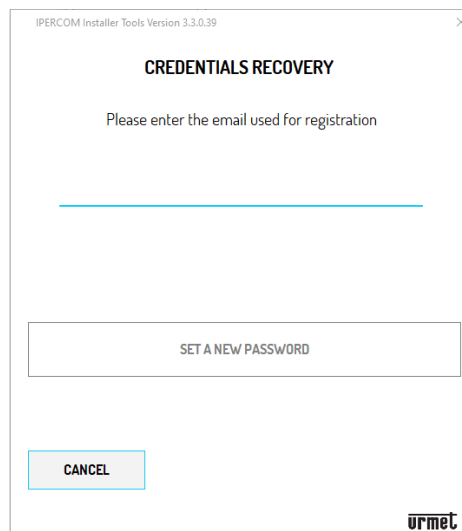


Figure 90: credentials recovery

After entering your registration email address, simply press the "Set a new password" button. An email is sent to the address entered through which you can set a new password.

After logging in, the screen that appears is the following:

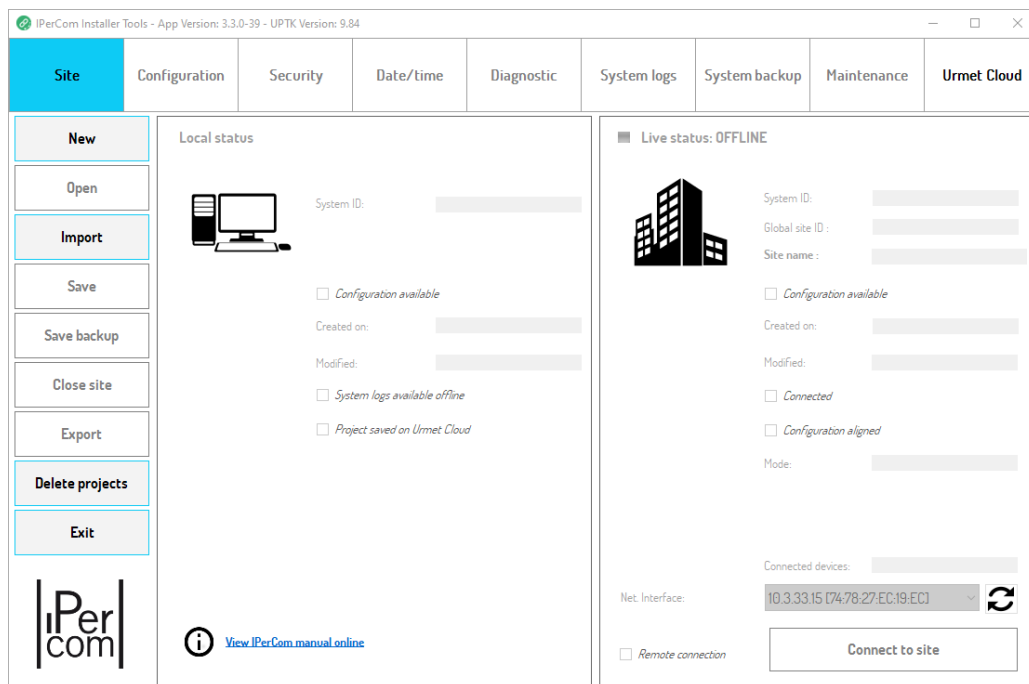


Figure 91: IPerCom Installer Tools screen after Urmet Cloud authentication

Pressing the "Urmet Cloud" tab displays the screen shown below:

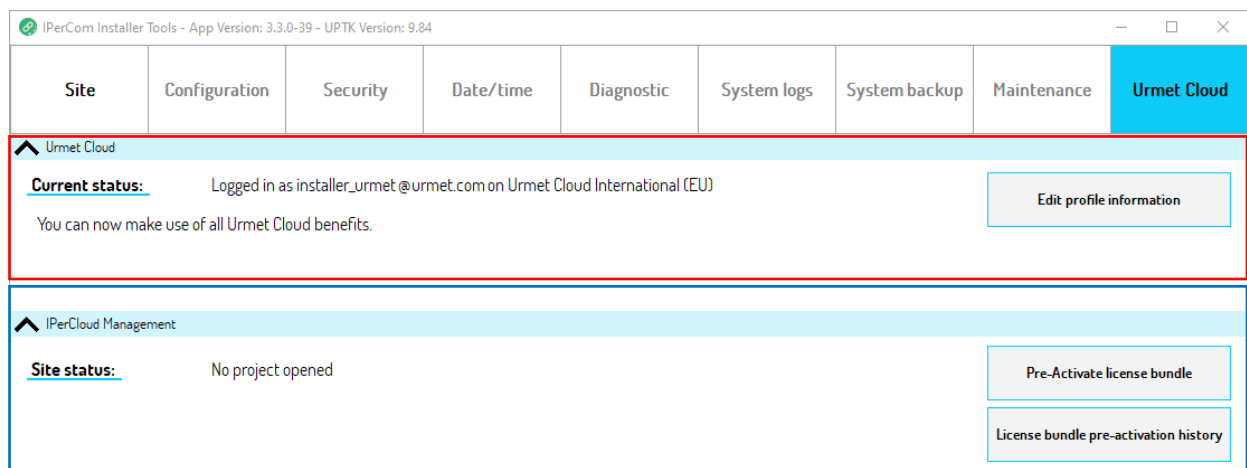


Figure 92: screen of the Urmet Cloud tab after cloud authentication

The **Urmet Cloud** section displays the username (email address entered during account creation) with which you logged in to Urmet Cloud. The "Edit profile information" button allows you to modify the data entered when creating the account.

The **IPerCloud Management** section instead concerns more directly the configuration of the IPerCloud mode and is explained in detail in the next paragraph.

#### 7.1.1.1 Pre-activation license bundle and pre-activation license bundle history

The **iPerCloud Management** section (blue box) presents the buttons “Pre-Activate license bundle” and “License bundle pre-activation history”: both functions are useful for configuring an iPerCom system in iPerCloud mode.

Pressing the " Pre-activate license bundle" button, the following screen opens:

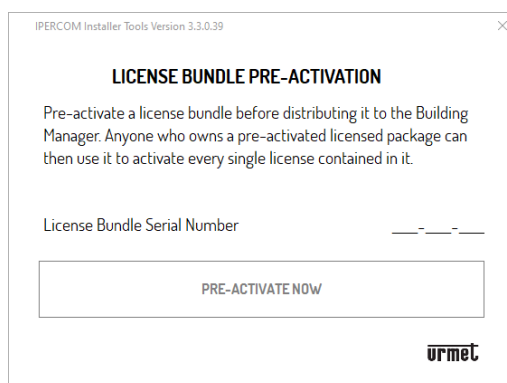


Figure 93: license bundle pre-activation

In the "License bundle Serial Number" field it is necessary to enter the serial number of the license bundle for pre-activation by the installer. The number is shown on the license card with the abbreviation “S/N” as shown in the following example figure:

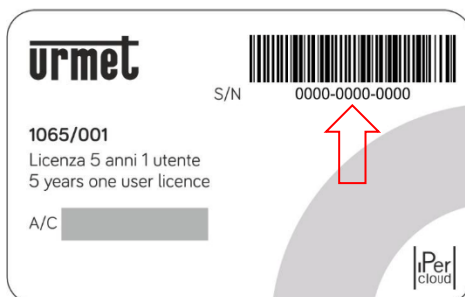


Figure 94: serial number of license bundle

After entering the serial number and pressing the "PRE-ACTIVATE NOW" button, the following window is shown, through which the installer can accept (or reject) the license agreement relating to the IPerCloud software (End User License Agreement):

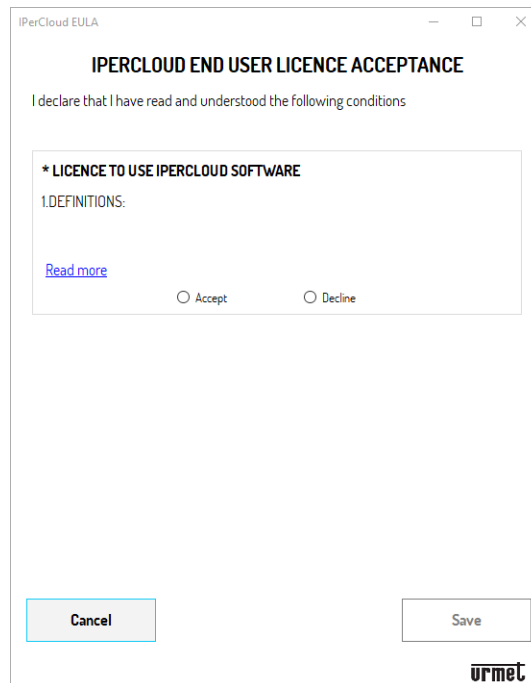


Figure 95: viewing of the IPerCloud user license agreement

It is required to select the "Accept" item and then press the "Save" button to proceed with the procedure of license bundle pre-activation. Once this is done, the positive outcome of the pre-activation is confirmed by the following message:

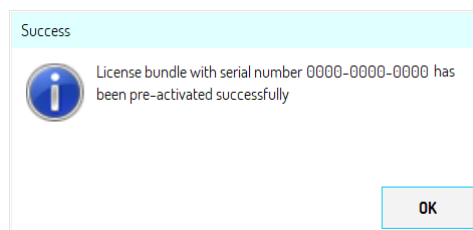


Figure 96: license bundle pre-activation

If a license bundle has already been pre-activated, this is indicated by the following message:

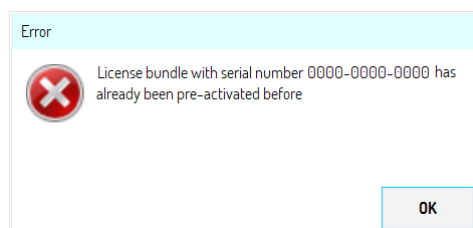


Figure 97: license bundle already pre-activated

The "License bundle pre-activation history" button allows you to view all the license bundles already pre-activated with pre-activation date and time and serial number, as shown below:

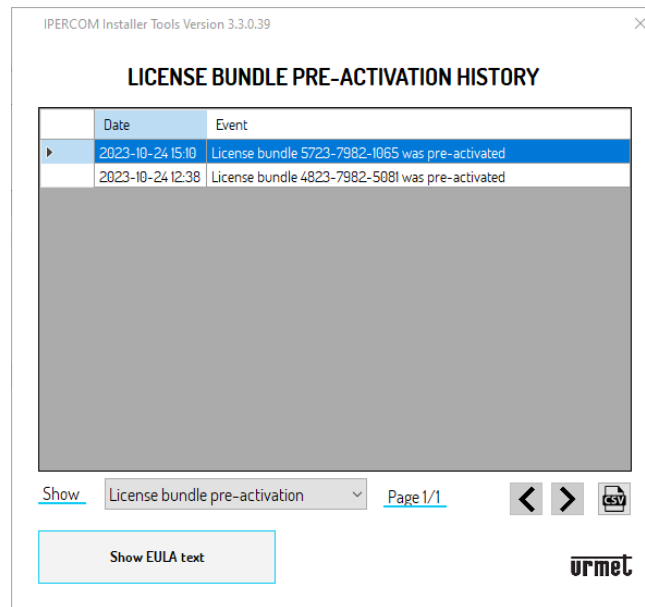


Figure 98: License bundle pre-activation history

The "Show EULA text" button allows you to view the text of the license agreement accepted during pre-activation.

### 7.1.2 Project and site

*IPerCom Installer Tools* is based on the **project** and **site** concepts, highlighted in tab “Site”.

The **site** represents the system you want to configure (meaning for system the entire network, devices and IPerCom software applications).

The configuration of a **site** occurs by creating a **project** with the related configuration, for example definition of the system topology, addition of devices on the topological nodes, addition of apartments (IPerCloud or non-IPerCloud), definition of any address books and activation rules, creation of residents and not residents, configuration of system and call forwarding parameters.

The creation (or modification) of the configuration relating to a **project** takes place from *IPerCom Installer Tools* by launching the *IPerCom Configurator* application or simply the *configurator* (see the relevant paragraph [The configurator](#)).

Through the *configurator* it is also possible to assign within the **project** a significant name to the **site** you want to configure and therefore associate the **project** with the **site** (system).

On *IPerCom Installer Tools*, after connecting to the system, it is possible to transfer the project configuration to the site and check the alignment status by highlighting the following possible situations:

- **site** configuration aligned with that present in the **project**;
- **site** configuration older than that present in the **project**;
- **site** configuration newer than the one present in the **project**.

As soon as the configuration of a project is created, the “System ID” field is uniquely defined (numerical value calculated starting from the date of creation of the configuration file) (for further information see paragraph [Project and site parameters](#)).

It is possible to associate a project and several backups with the same “System ID” to a site (see paragraph [“Save backup”: how to create one or more backups of a project](#)).

However, it is absolutely forbidden to associate projects with the same “System ID” to different sites.

All these concepts will be explained in more detail in the following paragraphs.

Having defined the concepts of **project** and **site**, it is now possible to explain in more detail the items in the screen below and how they work:

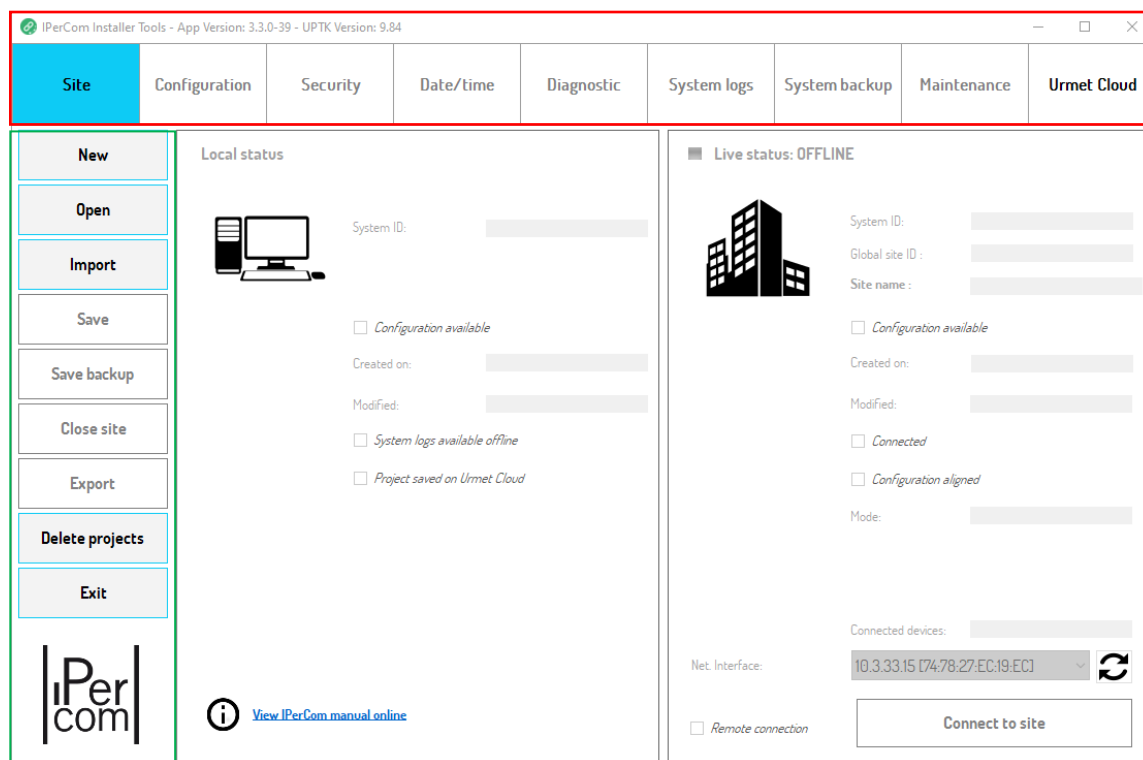


Figure 99: iPerCom Installer Tools startup screen

After starting the *iPerCom Installer Tools* application, all the tabs in the red box at the top are disabled apart from the “Site” and “Urmet Cloud” tabs. The only operations possible in this phase are those that can be performed using the buttons inside the green box and shown below.



The “Open” button is active if projects have already been saved.

### 7.1.3 Creating a new project

To create a new project, press the “New” button. The following window opens where you can enter the name of the project and then confirm with “OK” button or cancel with “Cancel” button:

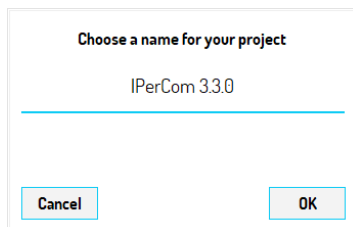


Figure 100: creation of a new project

Pressing the “OK” button, the project will be saved automatically on Urmet Cloud.



**Starting from version 3.3.0 of IperCom it is no longer possible to save projects locally on your own PC.**



*The project name must be unique among those already present on Urmet Cloud and cannot contain the following special characters: \* : < > ? / \ |.*



*Using the configurator, it will be possible to associate the **project** with its configuration to a plant site (for further information see paragraph [How to use IPerCom Installer Tools for the configuration of a system](#)).*

#### 7.1.4 Opening a project

To open a project already saved on Urmet Cloud, you need to press the “Open” button. The following window opens where **the projects associated with a specific site** are displayed:

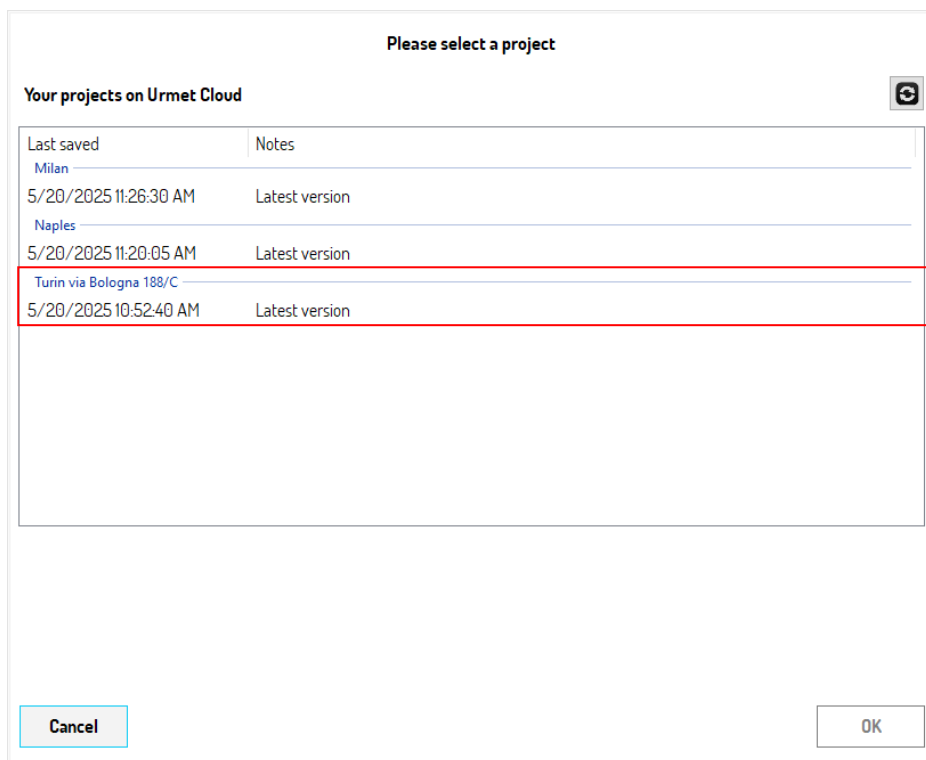


Figure 101: opening already saved projects

The projects displayed are linked to authentication on Urmet Cloud, meaning that only projects created by the installer who previously logged in to Urmet Cloud via *IPerCom Installer Tools* will be displayed.

The names of the sites are highlighted in blue and immediately below is the **date and time of the last modification of the project** (as shown in the red box).

If you select with the mouse the date and time of the last modification of the project, the following screen appears:

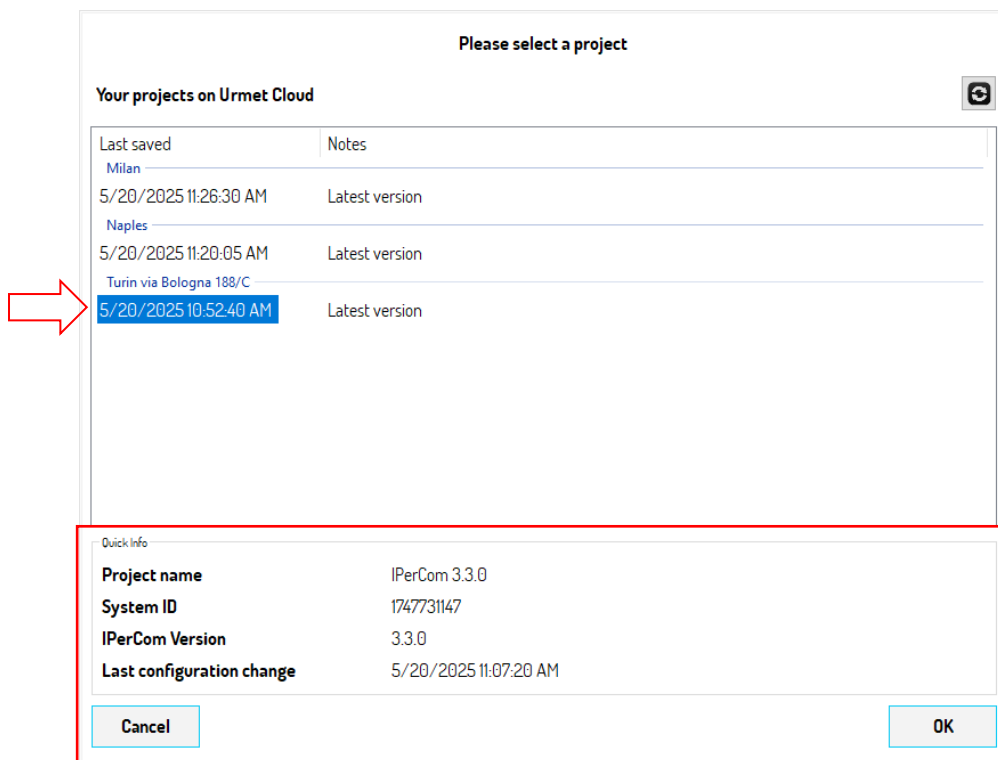


Figure 102: project associated to the site "Turin via Bologna 188/C"

In the **Quick Info** section (red box) the following data relating to the "Turin via Bologna 188/C" site appear in sequence, namely:

- "Project name": name given to the project when creating the project itself (via the "New" button);
- "System ID": unique identifier of the site calculated from the date and time of creation of the configuration file of the relevant project;
- "IPerCom version": IPerCom version with which the configuration file was created;
- "Last configuration change": date and time of the last modification of the configuration file.

The "Notes" column shows the indication "Latest version", as there is only one project associated with the site in question. If there is a need to associate a project and multiple backups of the project with the site, see the paragraph ["Save backup": how to create one or more backups of a project](#).

### 7.1.5 Importing a project

To import a project, you need to press the “*Import*” button. There are 2 import methods and they allow you to:

- use the same project on another PC other than the one where it was created and saved,
- use a project created with old versions of *IPerCom Installer Tools* on a newer version (the oldest version allowed is 2.0.0), if this project was not saved on Urmet Cloud.

The first import method is useful if the installer transfers the authorization to make changes to the project to another installer (for further details see paragraph [Transfer of the property “Installer Authorization” to another installer](#)): in this case the second installer must import the project on his PC after the first installer has exported it and sent it to him.

The second import mode is useful if, after updating a system, you still want to use the project already created with the previous version of IPerCom. This mode should be used if the starting project was saved locally and not on Urmet Cloud.



*If the starting project has already been saved on Urmet Cloud, at the end of the update, after launching the correct version of IPerCom Installer Tools, the project will continue to be visible to the installer (as it was before).*

The 2 import modes are now described in more detail.

#### 7.1.5.1 Import a project on another PC

To import a project on another PC it is necessary to press the “*Import*” button. The following screen opens:

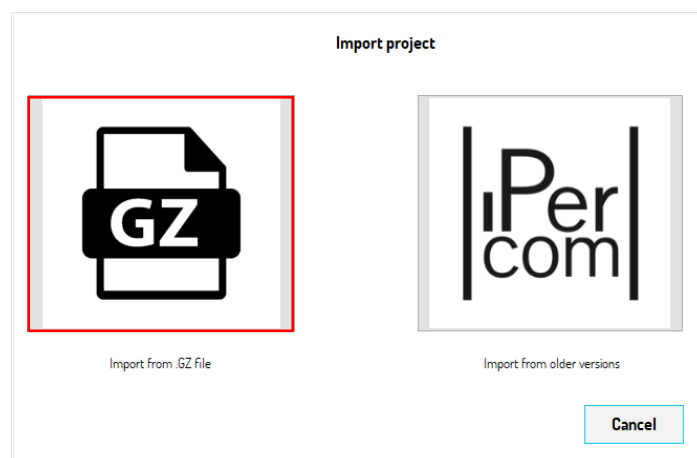



Figure 103: “Import project” window

Then press the button . A window opens through which you can import .gz files or .sbz files.

## IMPORT OF .GZ FILES

The .gz files are files previously generated on another PC by *IPerCom Installer Tools* with the “Export” button, after having opened the project to be exported.

The .gz file thus generated must be copied to the PC where it is to be imported, so that the related project is available in *IPerCom Installer Tools*.

The import operation does not open the project directly but makes it available through the “Open” button.

The import operation of a project is useful when you want to allow a second installer to make changes to the same project. For further details see the paragraph [Transfer of the property “Installer Authorization” to another installer](#).

**If you import a project on another PC, whose configuration has already been applied on one site, it is strictly forbidden to transfer it to another factory reset system: this would be possible if the installer who first created the project with its configuration transfers his ownership of authorized installer to a second installer, who would then be able to open the imported project and apply the configuration on a second system.**

**Without transferring the ownership of authorized installer, the above is not possible, because when the second installer opens the imported project, IPerCom Installer Tools displays the following message:**

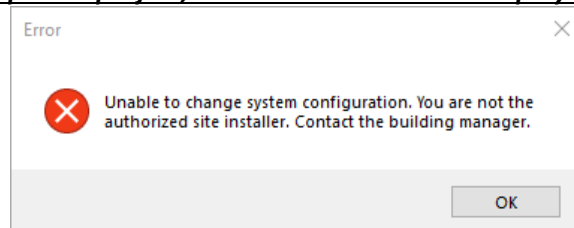


Figure 104: installer not authorized to make changes to the project

**The import function should only be used to transfer the “Installer Authorization” property from one installer to another (see paragraph [Transfer of the property “Installer Authorization” to another installer](#)), provided they are working on the same site.**



If a project is exported and then imported to the same PC, this operation returns an error, because a project with the same name already exists.



If a project is exported to a PC, then modified on a second PC through *IPerCom Installer Tools* and finally you want to import it on *IPerCom Installer Tools* from the first PC, the operation is possible only if on *IPerCom Installer Tools* of the first PC the previously created project is deleted.



In the import operations it is recommended to use *IPerCom* versions equal to or greater than the one used in the project export phase.

## IMPORT OF .SBZ FILES

The .sbz files (server backup zipped files) are files generated via the "System Backup" tab and are backup files that contain the site configuration. Importing a .sbz file is equivalent to locally importing the site configuration from which the backup was generated. For further details see the [System backup](#) paragraph.

The import operation does not open the project directly but makes it available through the "Open" button.

### 7.1.5.2 Import a project from older versions

The feature to import a project from older versions of IPerCom is useful after performing an update of the IPerCom system, if the starting project was saved locally on your PC. In this way the project is also made available to the IPerCom version to which the system was updated.

For example, if an IPerCom version 3.2.0 system has been updated to version 3.3.0, to make the project also available in *IPerCom Installer Tools* version 3.3.0, it is necessary to press the "Import" button. The following screen opens:

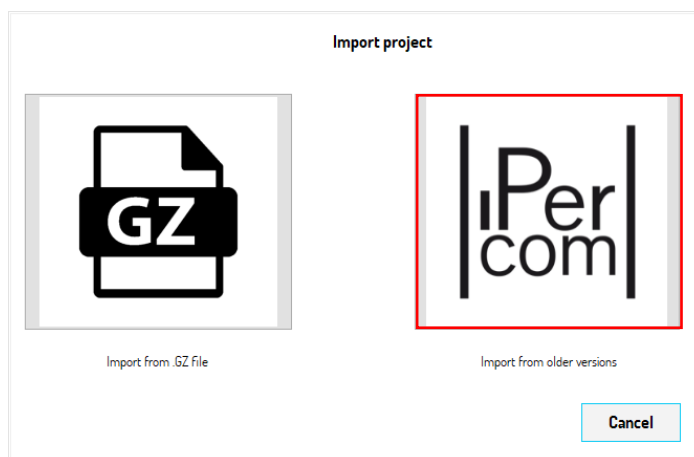



Figure 105: "Import project" window

Pressing the button , a window opens with the drop-down menu “*IPerCom Version*”, which allows you to choose the IPerCom version from which to import the project. Selecting the item “3.2.0”, the following screen is shown:

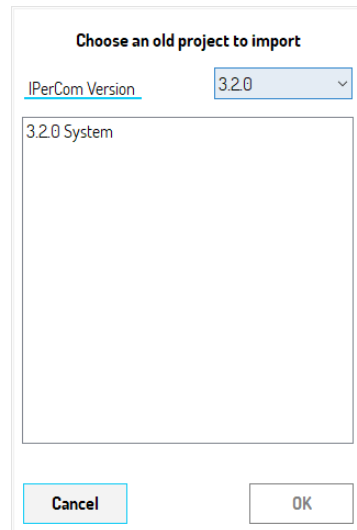


Figure 106: old project in 3.2.0 IPerCom version



*The minimum IPerCom version from which it is possible to import a project is 2.0.0.*

Once the project has been selected, by pressing the “OK” button, it is imported into the same IPerCom version selected in the *IPerCom Installer Tools* launcher (see paragraph [Starting the Launcher](#)).

The correct outcome of the operation is indicated by the following dialog box:

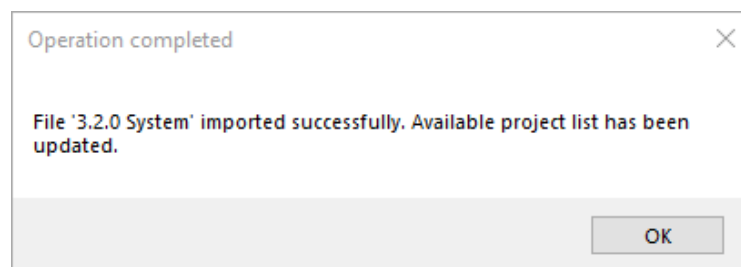



Figure 107: import successful

Through the “Open” button it will be possible to open the project just imported.



*If the project created with old versions of IPerCom Installer Tools was saved locally on your PC, once imported into version 3.3.0, it is automatically saved on Urmet Cloud.*

 If the project created with old versions of IPerCom Installer Tools had already been saved on Urmet Cloud, the import to IPerCom Installer Tools version 3.3.0 is automatic.

### 7.1.6 Deleting one or more projects

To delete one or more projects saved on Urmet Cloud, you need to press the “Delete projects” button. The following window opens:

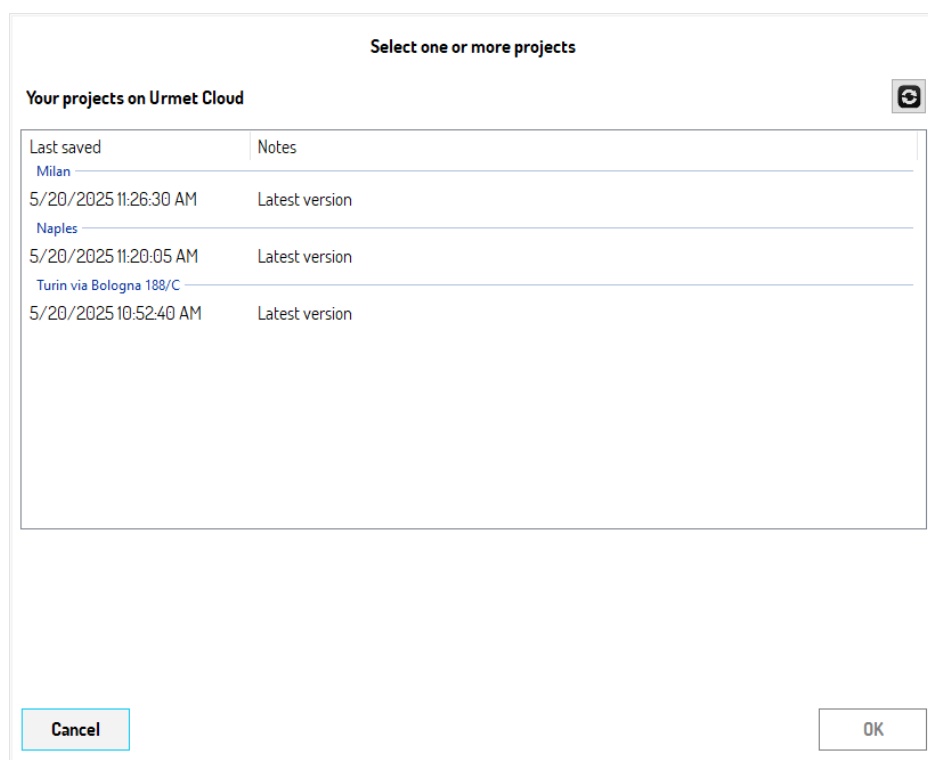


Figure 108: deleting one or more projects

To select a project, simply press the left mouse button on the relevant date and time or on the name of the site to which the project has been associated.

To select more projects, simply do the above and simultaneously hold down the “CTRL” key on the keyboard.

To select all the projects of a site (see paragraph [“Save backup”: how to create one or more backups of a project](#)), simply press the left mouse button on the name of the site in question.

To delete the selected projects, press the “OK” button.

To cancel the operation, press the “Cancel” button.

### 7.1.7 Closing the application

To quit the application, you need to press the “Exit” button.

## 7.2 Project and site parameters

After logging in to Urmet Cloud, this screen appears:

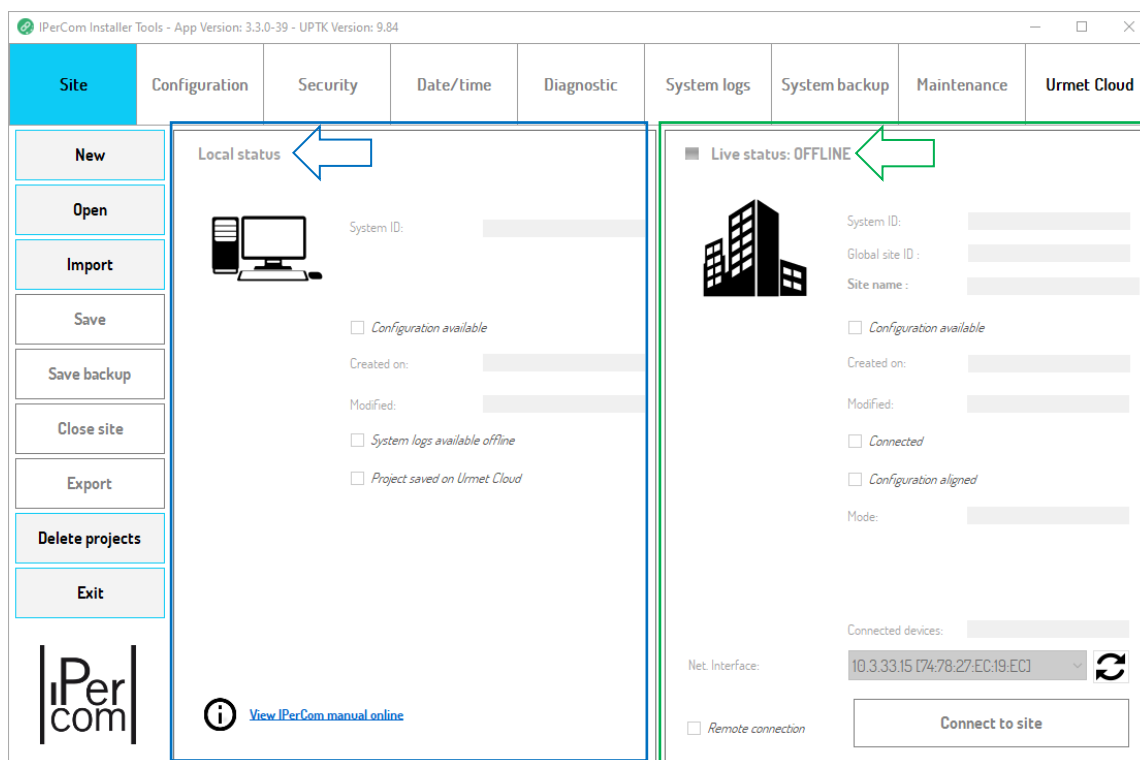


Figure 109: IPerCom Installer Tools screen after cloud authentication

In the box highlighted in blue all the information related to the project is loaded, whereas in the box highlighted in green all the information related to the site is loaded. In both boxes all information is shown in “read-only” mode.

To understand how and when the above parameters vary, some cases of practical use of a system configuration will be described.

Before doing this, a table with the information available in the “Local status” section (related to the project) with their meaning is shown (blue arrow):

Fields	Meaning
System ID	Unique identifier calculated from the date of creation of the configuration file of the relevant project.
Configuration available	Selected if the project has a configuration file, otherwise it is not selected.
Created on	Date of creation of the project configuration file.
Modified	Date of the last modification of the project configuration file.
System Logs saved locally	Selected if the project contains a copy of the System Logs, otherwise it is not selected (for further details see the relevant paragraph <a href="#">System Logs</a> ).
Project saved on Urmet Cloud	Always selected as the project is always saved on Urmet Cloud.
View IPerCom manual online	Link to consult the IPerCom manual for the installer online.

Table 6: meaning of the fields in the “Local Status” section



The above fields are assigned a value when creating a configuration file or opening an existing project.

A table with the information available in the "Live status" section with their meaning is shown (red arrow):

Fields	Meaning
System ID	Unique identifier calculated from the date of creation of the configuration file of the relevant project.
Global site ID	Unique identifier to identify the site in the <i>CallMe Manager</i> application.
Site name	Name to be associated with the site via the <i>configurator</i> .
Configuration available	Selected if the site has a configuration file, otherwise it is not selected.
Created on	Date of creation of the site configuration file.
Modified	Date of the last modification of the site configuration file.
Connected	Selected if you are connected to the site, otherwise it is not selected (to connect to the system see below).
Configuration aligned	Selected if the modification date of the project and the site configuration file coincide.
Mode	Shows the operating mode of the site, "Server" mode or "No server" mode.
Server IP	
Connected devices	Shows the number of devices connected to the site (present or not present in the configuration file).
Network interface	It allows selecting the network interface through which to connect to the site (in local or remote mode).
Remote connection	Selected if connecting to a remote site.

Table 7: meaning of the fields in the "Live Status" section



The above fields are assigned a value when you connect to a system and when the system has a configuration file. The last 2 are set manually by the installer.

Regardless of whether the project is saved on a PC or on Urmet Cloud, all the operations described in the following paragraphs are valid (for example transfer of the configuration to the system, export of the configuration and more).

### 7.3 How to use *IPerCom Installer Tools* for the configuration of a system

Below is the description of the various steps to follow to configure a site (system) with *IPerCom Installer Tools* and how the application parameters listed in the previous paragraph vary. The most common ways to configure an IPerCom system are shown below (assuming the system has already been installed and wired).

#### 7.3.1 Mode 1: system installed but not configured, creation of configuration associated to the project without connection to the system

The various devices that make up the system have been installed and wired but have not been configured, that is the system has no configuration file. The steps to configure the system are described below:

- create a new project and the related configuration;
- connect to the system;
- set the proper system date and time;
- apply the newly created configuration to the system.

This is a practical example of use, as the installer usually creates the configuration in the laboratory, then goes to the system, where the devices have already been installed, connects to the system, and distributes the configuration. It is necessary to know the MAC addresses of the devices to be added to the configuration and the system topology, that is to know on which nodes the devices must be positioned.

#### 7.3.2 Mode 2: system installed but not configured, creation of configuration associated to the project with connection to the system

The various devices that make up the system have been installed and wired but have not been configured, that is the system has no configuration file. The steps to configure the system are described below:

- create a new project and the related configuration, being connected to the system itself;
- set the proper system date and time;
- apply the newly created configuration to the system.

In this way of proceeding, it is not necessary to know the MAC addresses of the various devices (when creating the configuration) as these are automatically suggested by the *configurator*, which is not the case if you are not connected to the system. This will be described in more detail in paragraph [The configurator](#). Instead, it is always necessary to know the system topology, that is to know on which nodes the devices must be positioned.

### 7.3.3 Mode 3: system installed but not configured, creation of configuration associated to the project by importing it from external file

The various devices that make up the system have been installed and wired but have not been configured, that is the system has no configuration file. The steps to configure the system are described below:

- create a new project;
- import from external file the configuration to associate to the project;
- connect to the system;
- set the proper system date and time;
- apply the newly created configuration to the system.



*In the last case there may be the variant in which you are already connected to the system while importing the configuration file.*

The first 2 ways of proceeding are now described in more detail, which are almost the same, since the only difference is the creation of the configuration file from the *configurator* (for more details see paragraph [The configurator](#)).

### 7.3.4 Creating the project and the related configuration file

When *IPerCom Installer Tools* is started, this screen appears:

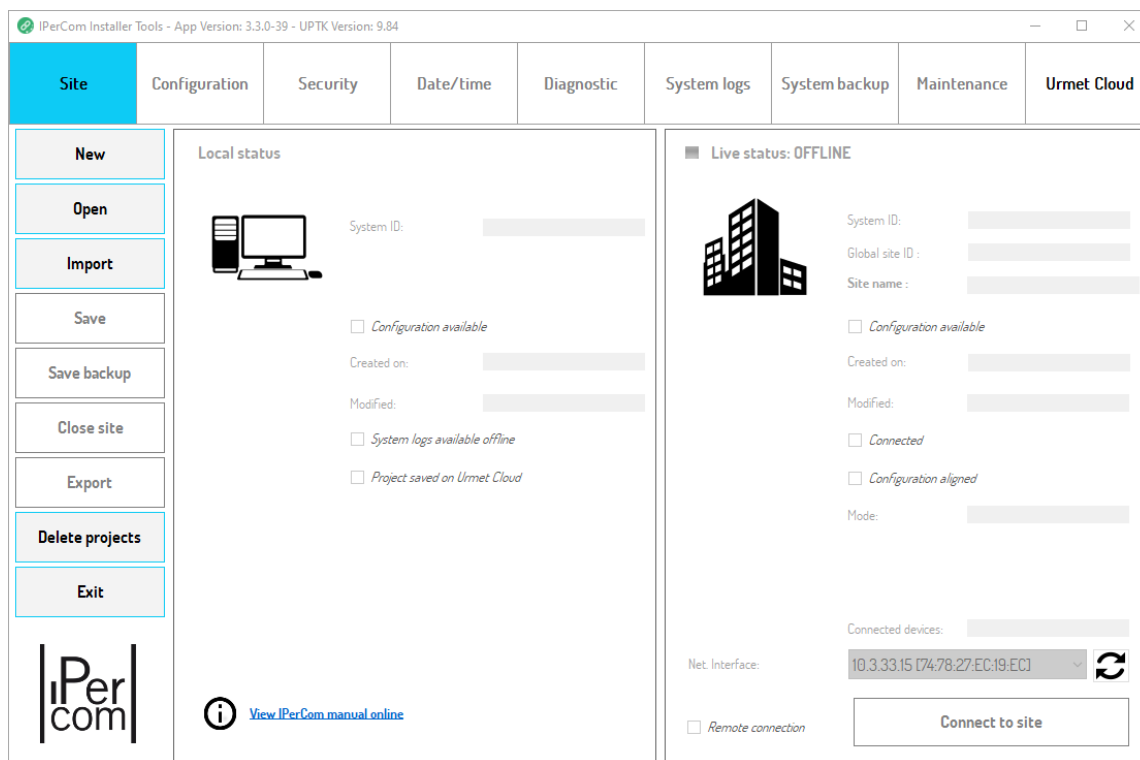


Figure 110: IPerCom Installer Tools startup screen



The “Open” button is active if projects have already been saved.

The starting point is to create a new project: to do this it is necessary to press the “New” button. The following screen opens, where it is necessary to enter the name of the project (to be associated with a site):

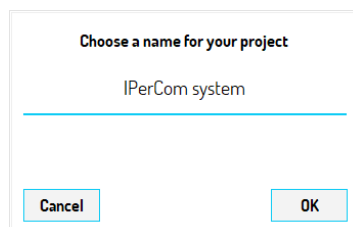


Figure 111: name assigned to the project

Pressing the “OK” button, the start screen of *IPerCom Installer Tools* becomes as follows:

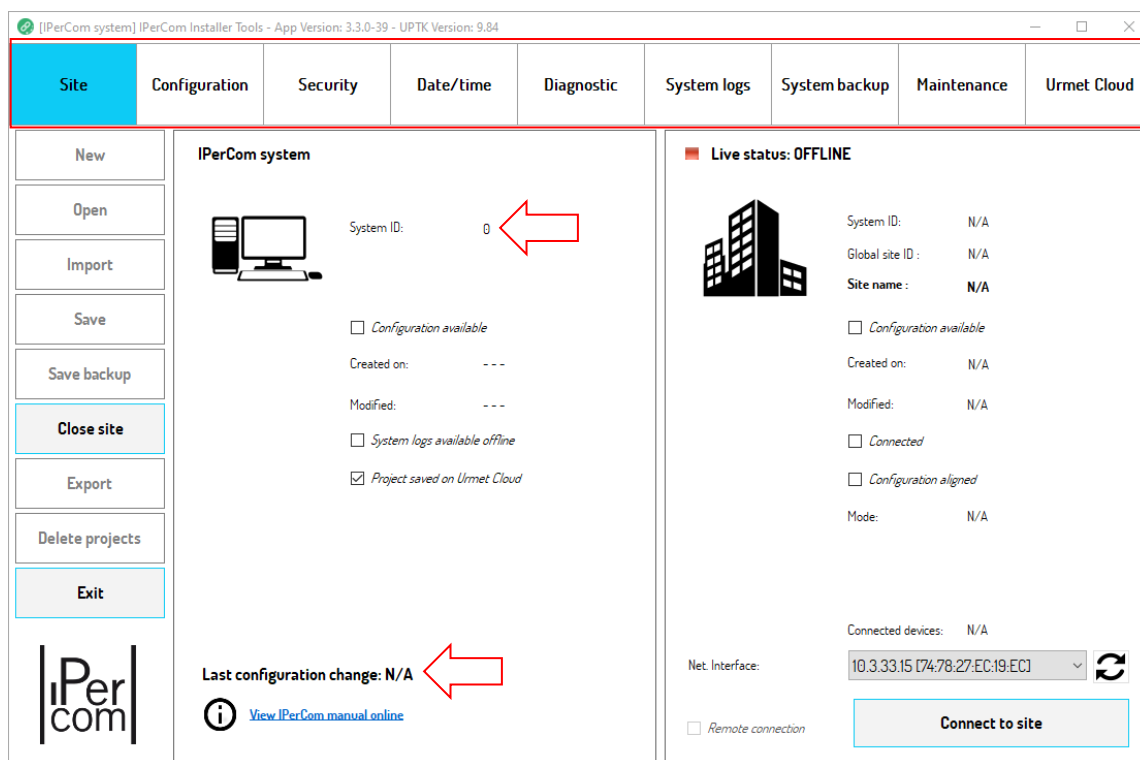


Figure 112: project created ("Site" tab)

The "New", "Open", "Import", "Save", "Save backup", "Export" and "Delete projects" buttons are disabled while the "Close site" and "Exit" buttons are enabled. All the tabs in the red box are enabled, even if the useful tabs for configuring a system are "Site" and "Configuration". The other tabs (except the tab "Urmet Cloud") cannot be used until you connect to the system and until the configurations associated to the project and site are aligned.

The "Close site" and "Exit" buttons are used respectively to:

- close the site (to which you want to associate a project) without exiting the *IPerCom Installer Tools* application;
- exit the *IPerCom Installer Tools* application.

After creating a new project but not yet the related configuration file, the "System ID" field is forced to zero (red arrow). The "Created on" and "Modified" fields are not filled in, as they are linked to the date of creation and last modification of the configuration file. These 3 fields will take on a non-zero value when creating a configuration file.

Similarly, the indication "Last configuration change: N/A" (red arrow) does not report any value as the project has not yet been associated with a configuration file and consequently a last modification date is not available.

To create a configuration file associated to a project, press the “*Configuration*” tab. The following screen opens:

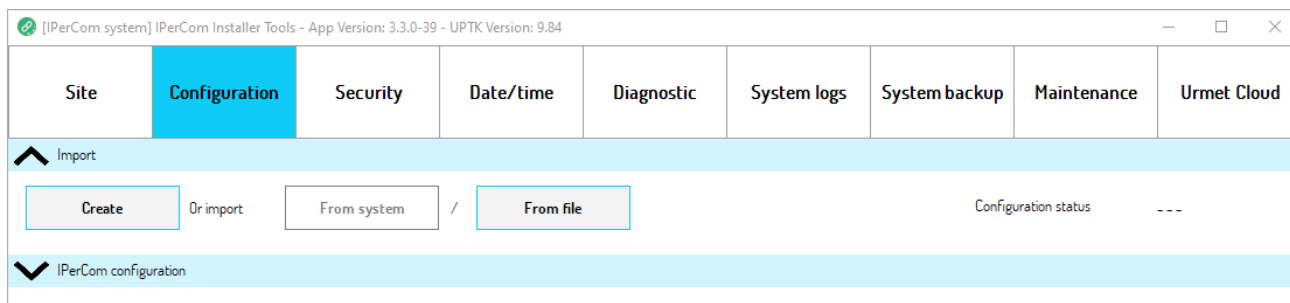


Figure 113: “*Configuration*” tab

The “*Create*” button allows creating and associating a configuration file to the project through the application *IPerCom Configurator* or simply *configurator*.

The “*From File*” button, instead, allows associating a configuration file to the project by importing it from an external file previously saved on PC. This way of importing the configuration will be described in detail later in paragraph [Creating the configuration file with import from external file](#).

As you can see, if you are not connected to any system yet, the only active buttons are “*Create*” and “*From file*”.

To create a new configuration, it is necessary to press the “*Create*” button, which opens the *configurator*. The screen displayed is as follows:

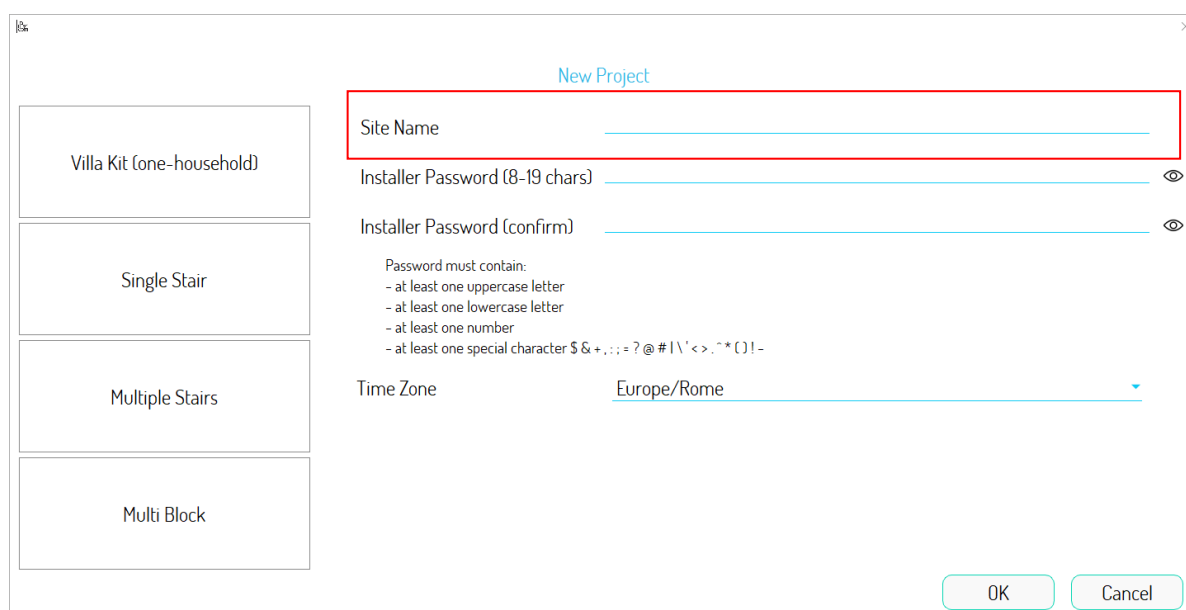


Figure 114: configurator start screen

The steps to follow to create a new project associated to a configuration file are described in paragraph [The configurator](#).

The *configurator* allows you to create (and subsequently modify) the configuration of a project, which will then be applied to the system. The main configuration points are listed below:

- topology definition (whether small, medium, or large system) ([Selecting the system topology \(model\) and the configurator structure](#));
- adding devices to the configuration ([Adding devices](#));
- definition of address books ([Contacts](#));
- creation of activations ([Activations](#));
- creation of residents and non-residents ([User management](#));
- access control setting ([Access control](#));
- setting system and call forwarding parameters ([System parameters](#)).

Each of the points listed above is described in a specific paragraph (in brackets).

Since the topics concerning the *configurator* are many, in order not to lose track of what we are describing about *IPerCom Installer Tools* features, we suppose at this stage to have already created and saved a configuration file associated to the project, referring to paragraph [The configurator](#) and to those listed above for all the relevant details.

At this point it is important to underline the presence of the “Site Name” field (red box), which is the significant name that is assigned to the site and which will also appear in the *IPerCom Installer Tools* and *CallMe Manager* applications.

Then, after creating and saving a local configuration, the following screen is displayed:

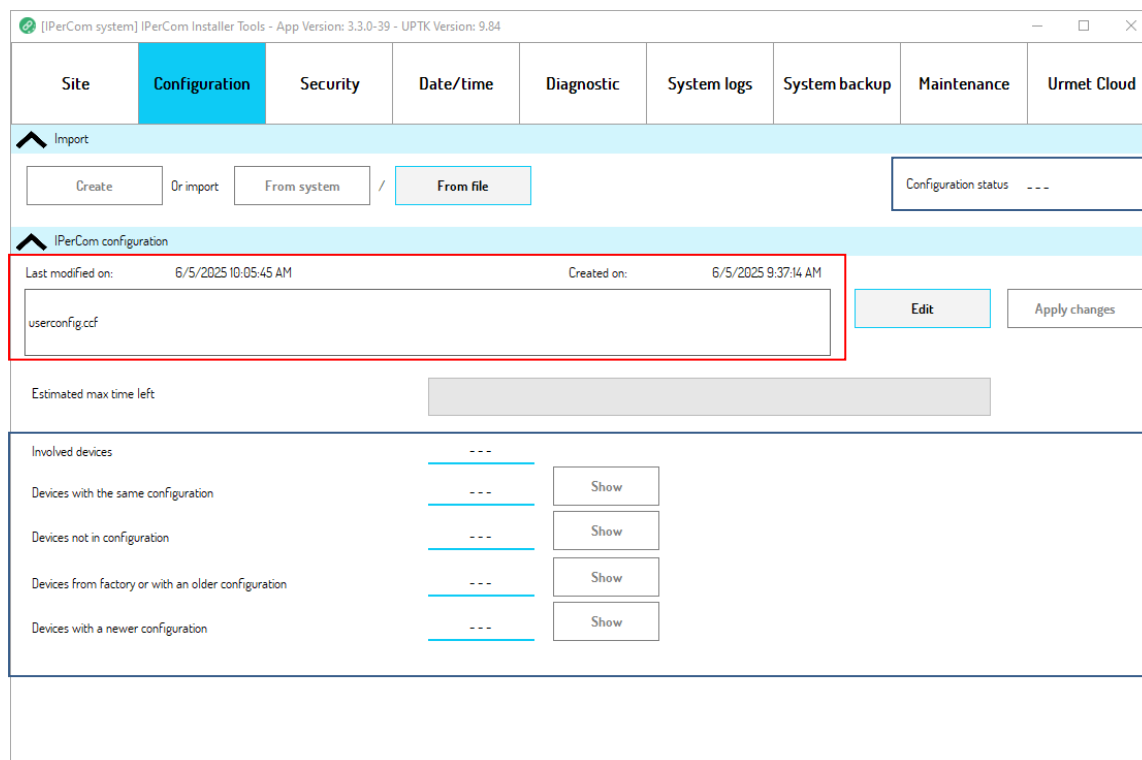


Figure 115: “Configuration” tab after creating the local configuration

The newly created configuration file is named *userconfig.ccf* and the date of last modification and the date of creation (red box) are displayed on this file.

The data in the blue boxes are not assigned a value because you are not connected to any system yet: their meaning will be explained below.

The “Edit” button allows editing the configuration file just created: the *configurator* opens again, and it is possible to make the desired modifications and close the *configurator*.

Now, by pressing the “Site” tab, the “System ID”, “Created on” and “Modified” fields are assigned a value as a configuration file associated to the project is present and the “System ID” value is linked to the creation date of this file. The “Configuration available” field is also selected as there is a local configuration associated with a project.

**At this stage the name of the project displayed at the top of the left panel of *IPerCom Installer Tools* (see [Figure 112](#)) is replaced by the name of the site, as this field is available (it was filled in following the creation and saving of the configuration).**

The above is displayed in the following screen:

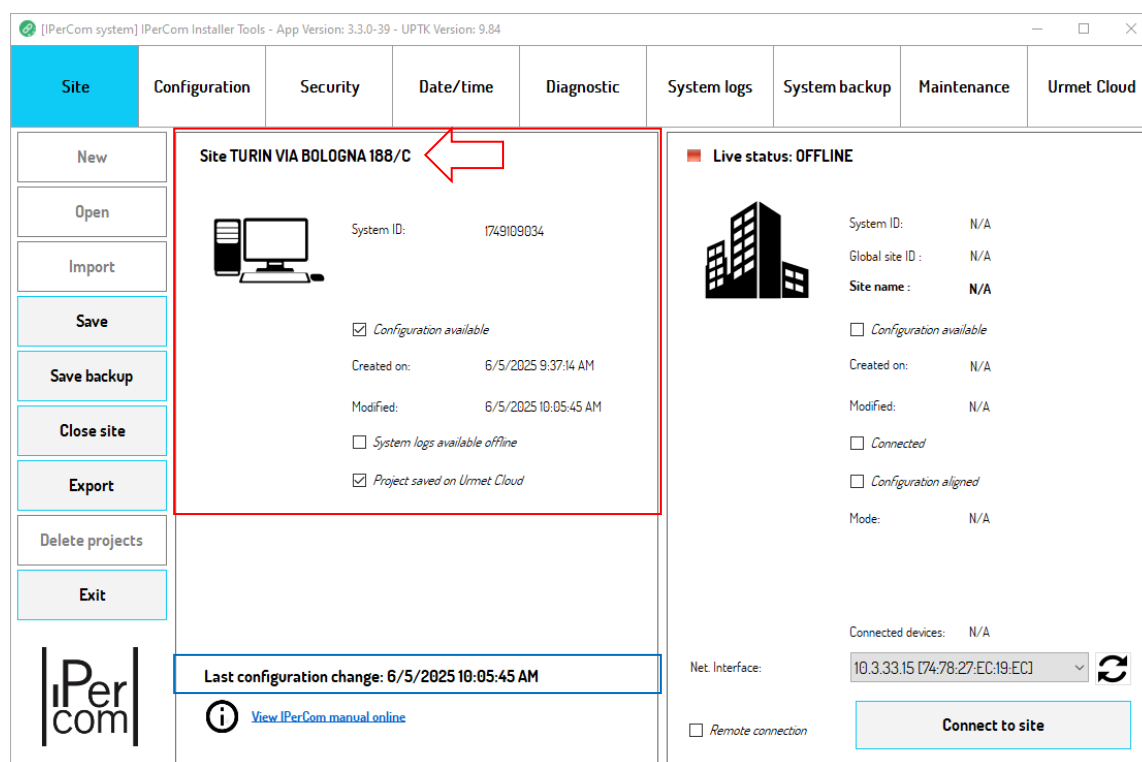


Figure 116: “Site” tab with local configuration created

At the bottom right (blue box) the last modification date of the configuration file is shown.

If during the installation phase the configuration requirements change and at the same time you do not want to lose what was done before any requested changes, it is possible to make a backup of the project (and therefore also of the configuration) and then make the changes. In this way it will always be possible to restore the situation prior to the changes themselves. How to do this will be seen in detail in the next paragraph.

### 7.3.5 “Save backup”: how to create one or more backups of a project

If the system requirements change during the installation phase and at the same time you do not want to lose what was done before any required changes, it is useful to make a backup of the project using the “Save backup” button.

With reference to the figure below, the “*Turin via Bologna 188/C*” site is associated with a single project with the date of last modification of the configuration “05/20/2025 11:07:20 AM” (red and blue boxes):

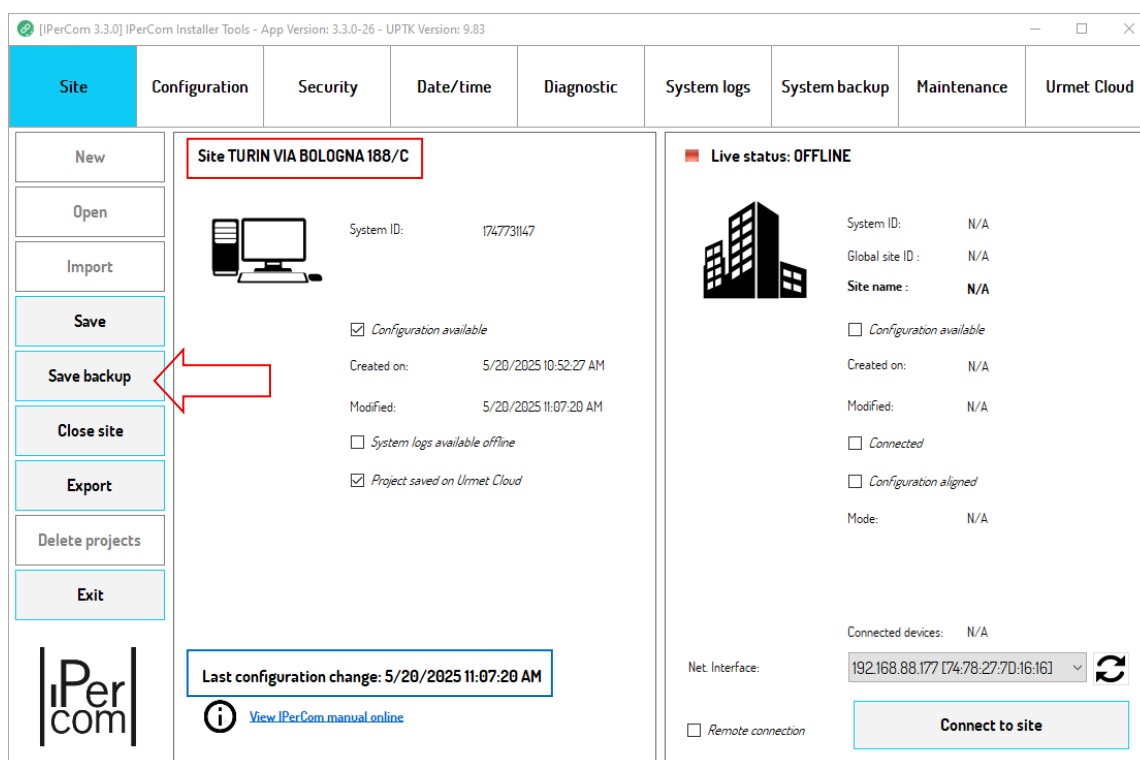


Figure 117: “Site” tab with local configuration created

If you need to make changes to the project but do not want to lose what you have done before, once you have opened the starting project, simply press the “Save backup” button (red arrow above).

The following screen appears:

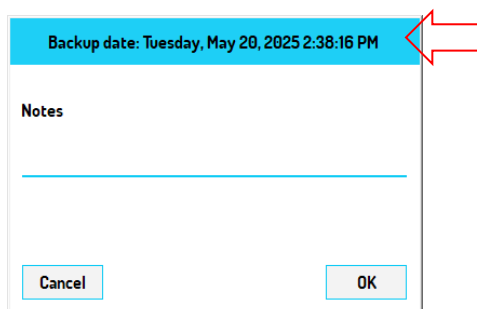


Figure 118: backup of a project

The date and time in which the project backup is being created is highlighted (red arrow) and, if necessary, an identifying note can be associated with the same backup: in this way the installer creates a restore point of his project which he can access at any time if the changes made are no longer necessary.

After entering any notes and pressing the “OK” button, the correct outcome of the operation is confirmed by the following dialog box:

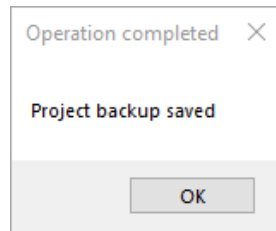


Figure 119: backup saved successfully

After making a backup copy, you can make the required changes to the current project and save with the “Save” button. The “Close site” button allows you to close the site you are working on without closing the *iPerCom Installer Tools* application.

After creating the backup, if you press the “Open” button, a screen like the one shown below appears for the “Turin via Bologna 188/C” site:

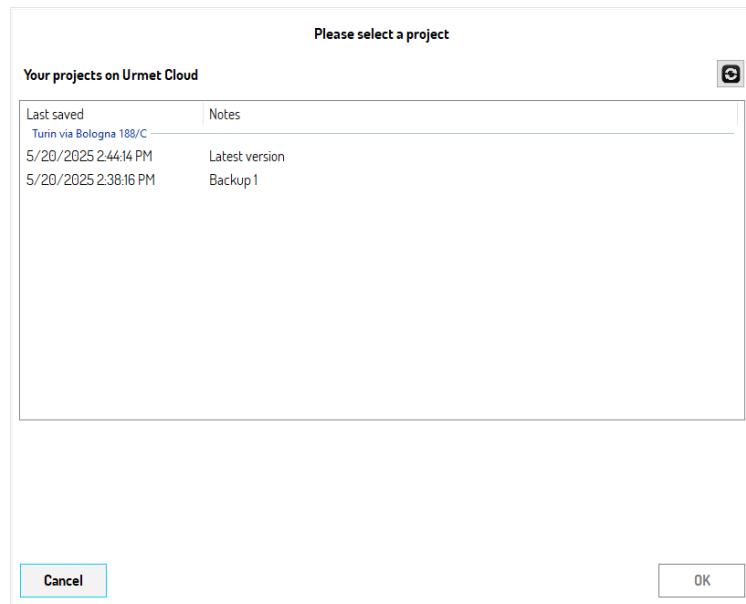


Figure 120: site with 2 projects (one of which is backup)

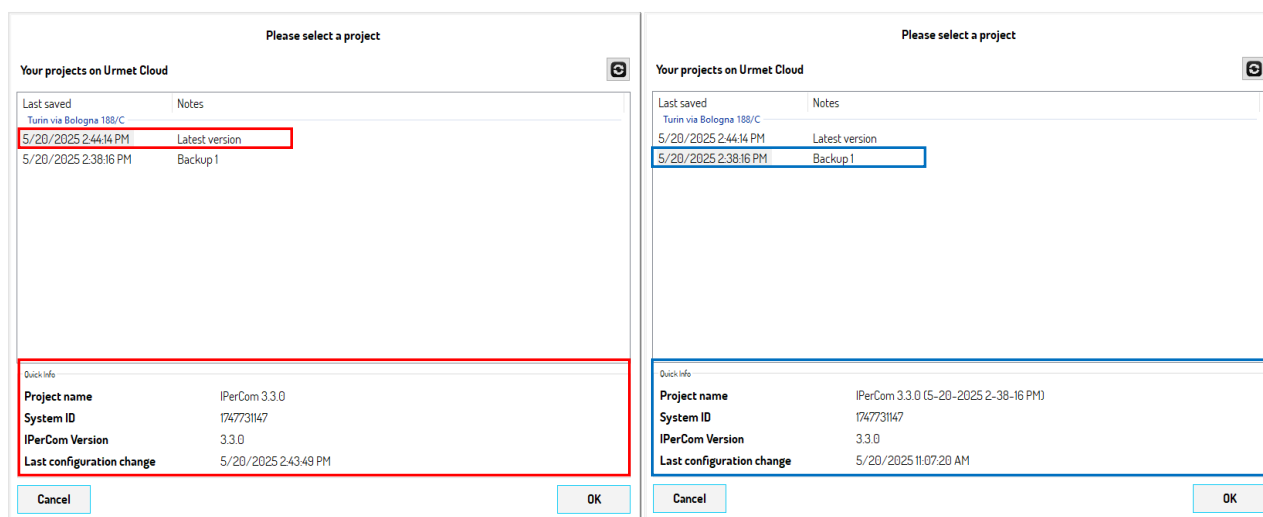
In detail, the project identified with the note “Latest version” indicates the most recent version of the project.

The project identified with the note “Backup 1” indicates, however, the backup created previously with respect to the latest changes to the most recent version.



The “Last saved” column shows the date and time of the last save of the project or backup creation date and time.

By selecting the most recent project (red box) or the backup (blue box), the following data relating to the selected object is displayed in the **Quick Info** section (red and blue box):



Please select a project	
Your projects on Urmnet Cloud	
Last saved	Notes
Turin via Bologna 188/C	
5/20/2025 2:44:14 PM	Latest version
5/20/2025 2:38:16 PM	Backup 1
Quick Info	
Project name	iPerCom 3.3.0
System ID	1747731147
iPerCom Version	3.3.0
Last configuration change	5/20/2025 2:43:49 PM
Cancel	OK

Please select a project	
Your projects on Urmnet Cloud	
Last saved	Notes
Turin via Bologna 188/C	
5/20/2025 2:44:14 PM	Latest version
5/20/2025 2:38:16 PM	Backup 1
Quick Info	
Project name	iPerCom 3.3.0 (5-20-2025 2-38-16 PM)
System ID	1747731147
iPerCom Version	3.3.0
Last configuration change	5/20/2025 11:07:20 AM
Cancel	OK

Figure 121: project and related backup associated with the site “Turin via Bologna 188/C”

In details:

- “*Project name*”: name given to the project when creating the project itself (via the “New” button) (in the case of backups, the date and time of backup creation is added in brackets to the project name).
- “*System ID*”: unique identifier of the site calculated from the date and time of creation of the configuration file of the relevant project; the data coincides for both the most recent version and the backup.
- “*iPerCom version*”: iPerCom version with which the configuration file was created; the data coincides for both the most recent version and the backup.
- “*Last configuration change*”: date and time of the last modification of the configuration file and related backups.

If a backup is selected and the “OK” button is pressed, *IPerCom Installer Tools* shows the following screen:

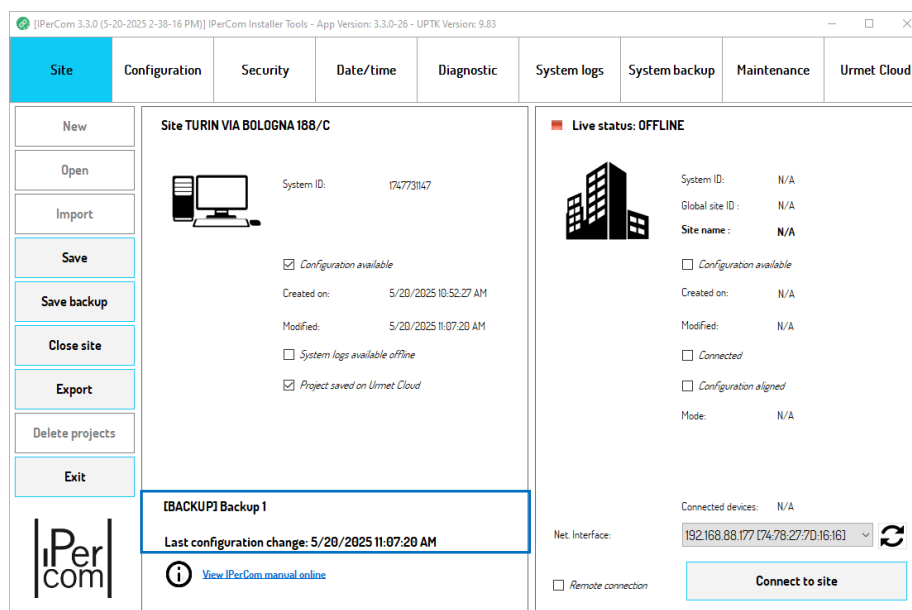


Figure 122: opening a backup

In detail, the following information is shown in the blue box:

- the [BACKUP] identifier to indicate that the open project is a backup;
- the note entered when creating the backup (“Backup 1”);
- date and time of the last configuration change.

### 7.3.5.1 How to restore a backup

To restore a backup, simply do the following after opening *IPerCom Installer Tools*:

- press the button “Open”;
- identify the site for which you want to restore a backup;
- identify the backup to restore from the notes entered when creating the backup itself;
- select the backup and press the “OK” button;
- press the “Save” button.

The effect will be as follows:

- the project identified with the note “Latest version” shows in the “Last saved” column the date and time of the saving just made,
- date and time of modification of the configuration file are those of the project identified as “Backup 1”, i.e. the backup configuration has been transferred to the “Latest version” project.

The following figure shows the above:

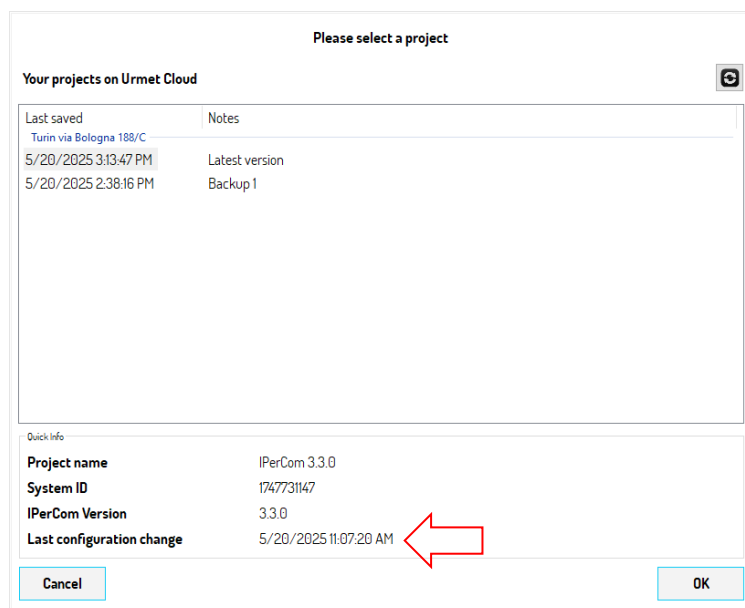


Figure 123: restore of a backup

It is important, therefore, to keep in mind that:

- the “Save” button saves the current project as latest version (regardless of whether the current project is the latest version or a backup copy)
- the “Save backup” button instead creates a non-editable backup copy that can be used as a restore point and at the same time saves the most recent version of the project with the current date.

### 7.3.6 Connecting to the system and transferring the configuration

Once the configuration associated with the project has been created and defined (backup or the most recent one), the next step is to connect to the system site and apply the newly created configuration to it, to configure the system. The relevant box on the “Site” tab shows values that are all unavailable because the system status is still offline (🔴), that is you are not connected yet:

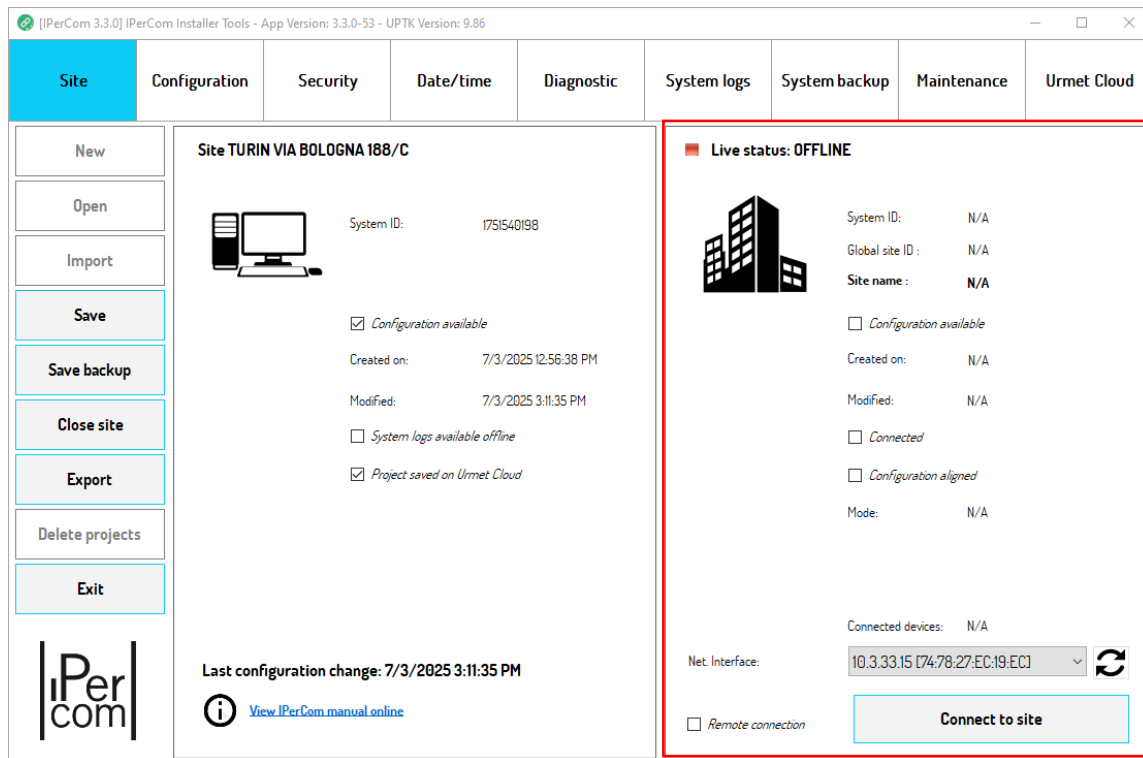



Figure 124: “Site” tab with local configuration created and no connection to the system

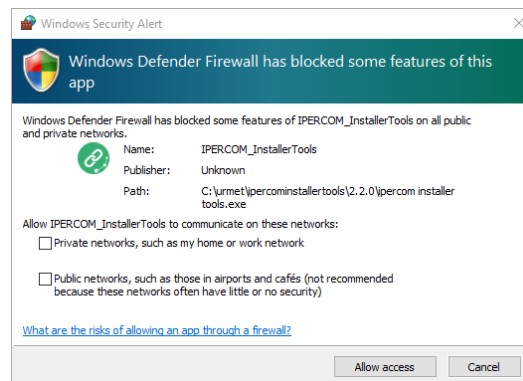
To connect to the system, select the network interface through which the PC is connected to the iPerCom system in the lower part of the red box and then press the “Connect to site” button.



To find out the IP and MAC addresses of the network interface through which you are connected to the iPerCom system, you need to click on the item “Open Network and Internet settings”, which appears by pressing the right mouse button the icon  at the bottom of right on your PC monitor. A screen opens with the list of available networks. After pressing the corresponding “Properties” item, you can view the IP address and MAC address.



After pressing the "Connect" button, the Windows operating system may notify the user of the need to unlock the communication ports on the IP network used for communication between the IPerCom system and the IPerCom Installer Tools application. This operation is required for proper application operation. If this operation is carried out by Windows Firewall, a warning like the one below is shown to the user:



You must select both kind of networks and press the "Allow access" button.

A progress bar is displayed, during its progress it is detected whether the system is with Server 1060/1 or without it, then the number of devices connected to the system is detected. At the end, the following window is displayed:

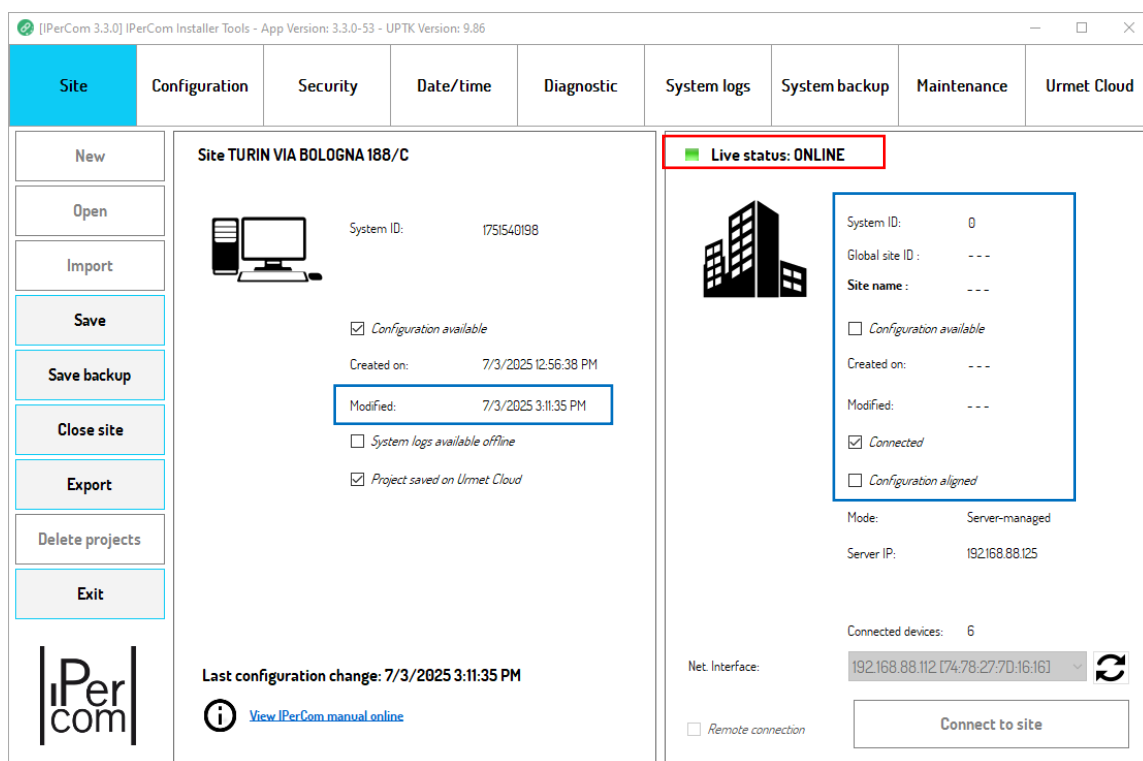



Figure 125: "Site" tab with local configuration created and connection to the system

In the box relating to the site (system), the status is now ONLINE (red box), as indicated by the relevant icon . The system ID is zero, since the system does not have a configuration yet: therefore, also the “Created on” and “Modified” fields are not assigned a value since they are linked to the creation date and the last modification of the configuration file. The “Connected” field is selected, because the site is online.

The configuration is not aligned because the modification date of the configuration associated with the project and that associated with the site are different, that is the project has a modification date while the site still has none (blue boxes).

The other fields contain the following information:

- “Mode”: “Server-managed” or “Serverless”, depending on whether the system is with or without a Server;
- “Server IP”: IP address of the Server (if any);
- “Connected devices”: indicates the number of all devices connected to the system (present and not present in the configuration).

### 7.3.7 How to set date and time on the system

Before transferring the configuration to the system, it is necessary to correctly configure the date and time on the system. To do this, press the “Date/Time” tab. The screen displayed is as follows:

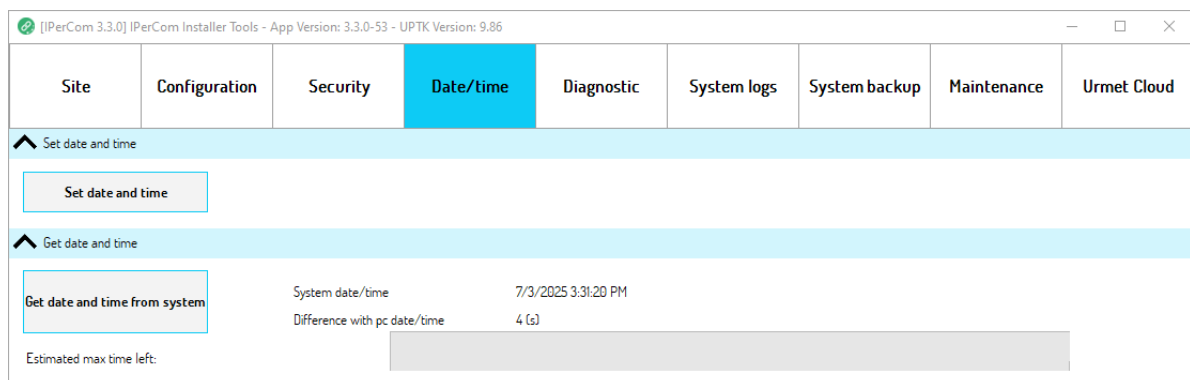


Figure 126: “Date/Time” tab

Now it is necessary to press the “Set date and time” button. Press “Yes” on the relevant dialogue box, date and time of the devices will be aligned with those of your PC. An additional dialogue box indicates that the operation has been completed correctly:

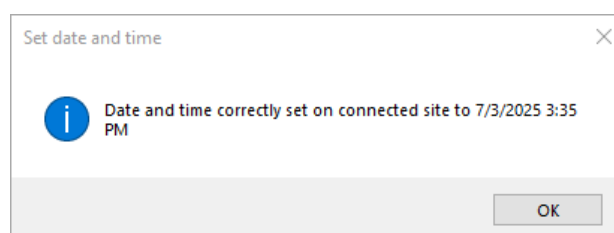


Figure 127: date and time aligned with those of the PC



When setting the date and time of the system, it is recommended to check that the date and time of your PC are correct.



If the system is connected to a router with an Internet connection, the correct date and time are already provided by the NTP (Network Time Protocol) service.

### 7.3.8 Transferring the system configuration

After configuring date and time, to apply the configuration to the system, simply go to the “Configuration” tab. The screen displayed is as follows:

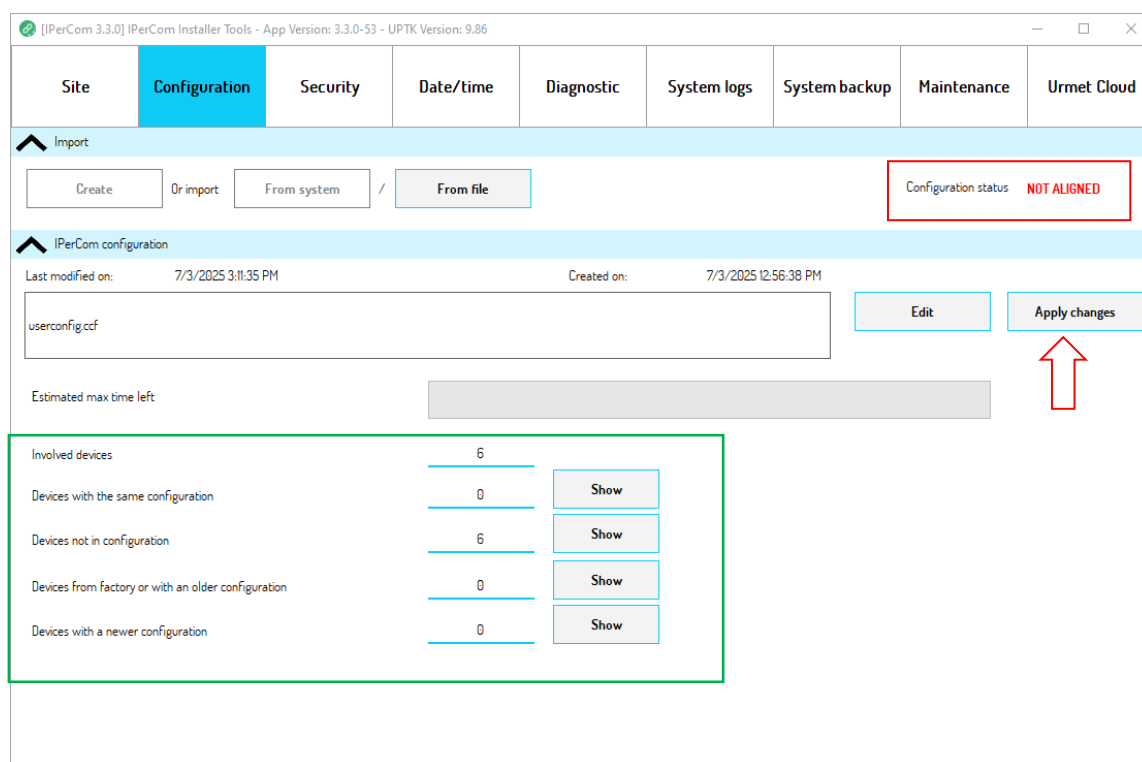


Figure 128: local configuration not yet transferred to the system

The green section shows schematically the condition of all the devices connected to the system. The example in question shows that:

- the number of devices connected to the system (“Involved devices”) is 6;
- the number of devices not in configuration is 6.

The configuration status is not aligned (red section), as explained above.

To apply the previously created configuration to the devices of the system, it is necessary to press the “Apply Changes” button.

The following pop-up window appears:

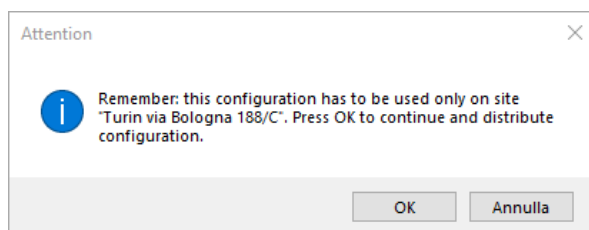


Figure 129: pop up window after pressing the “Apply changes” button

**This window is useful to remind the installer that a project must be associated with only one site and cannot be associated with other sites, as this could cause malfunctions on the systems themselves. Therefore, projects with the same “System ID” must not be associated with different sites, that is a same project must not be used as template for different sites.**

After pressing the “OK” button, the configuration associated with the project is applied on the plant site. Correct transfer of the configuration is highlighted by a progress bar which turns green once the transfer has taken place correctly, as shown below:

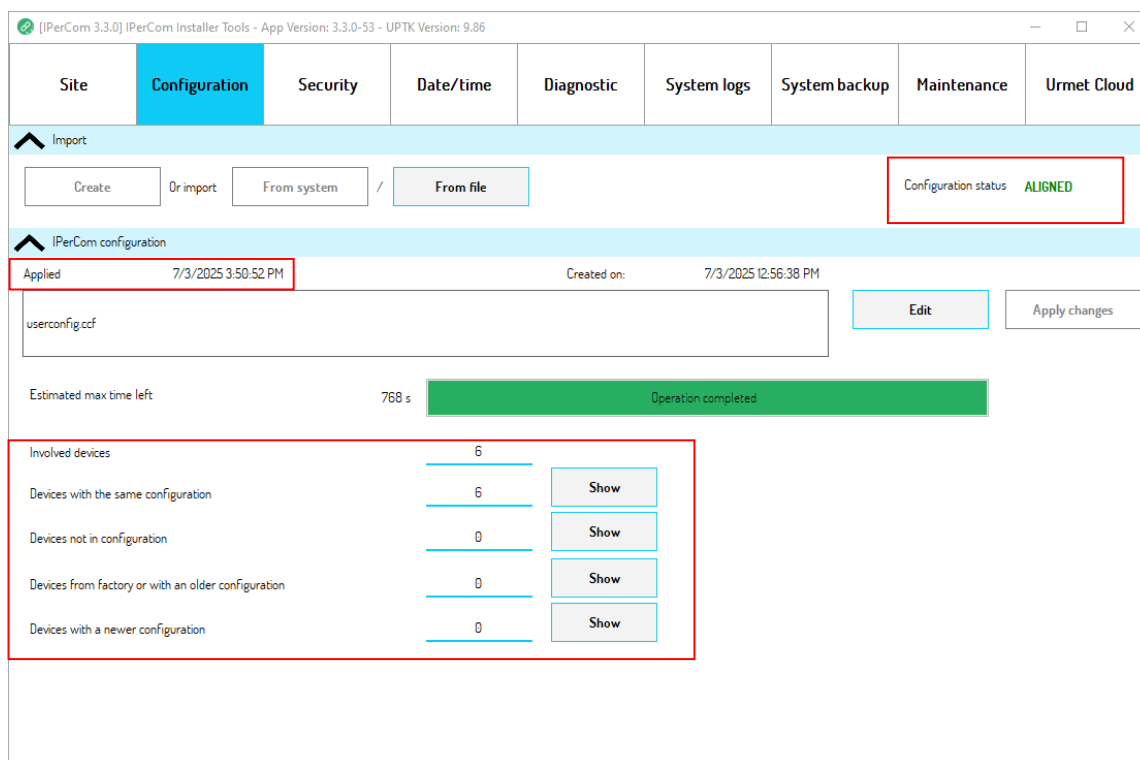


Figure 130: local configuration transferred to the system

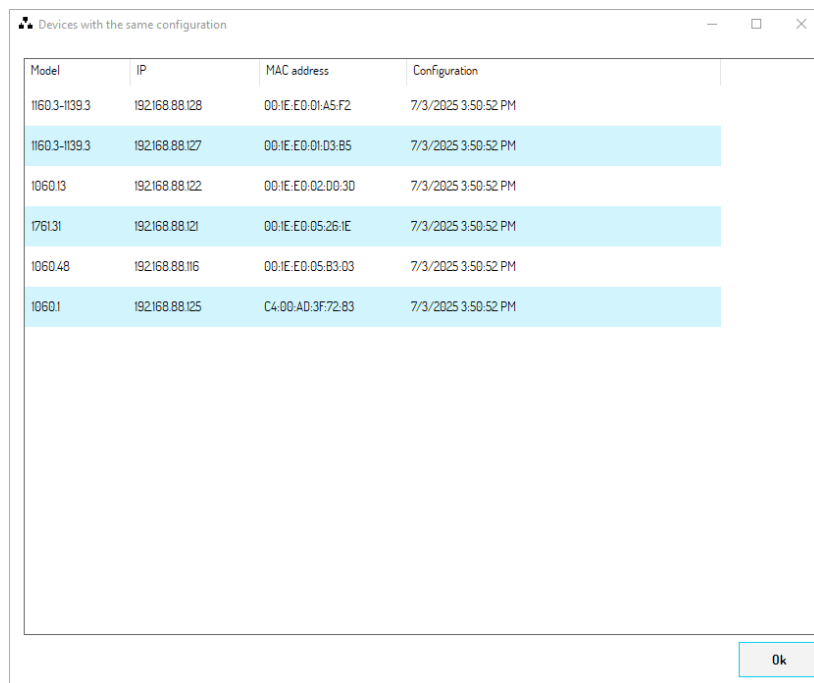
The red boxes indicate that the configuration transfer has taken place correctly, i.e.:

- all devices in the system have the same configuration (“Devices with the same configuration” item);
- the configuration status is aligned.



Once the configuration has been applied, the “Last modified” field is renamed to “Applied” and shows the date and time in which the configuration was applied (or modified) to the system.

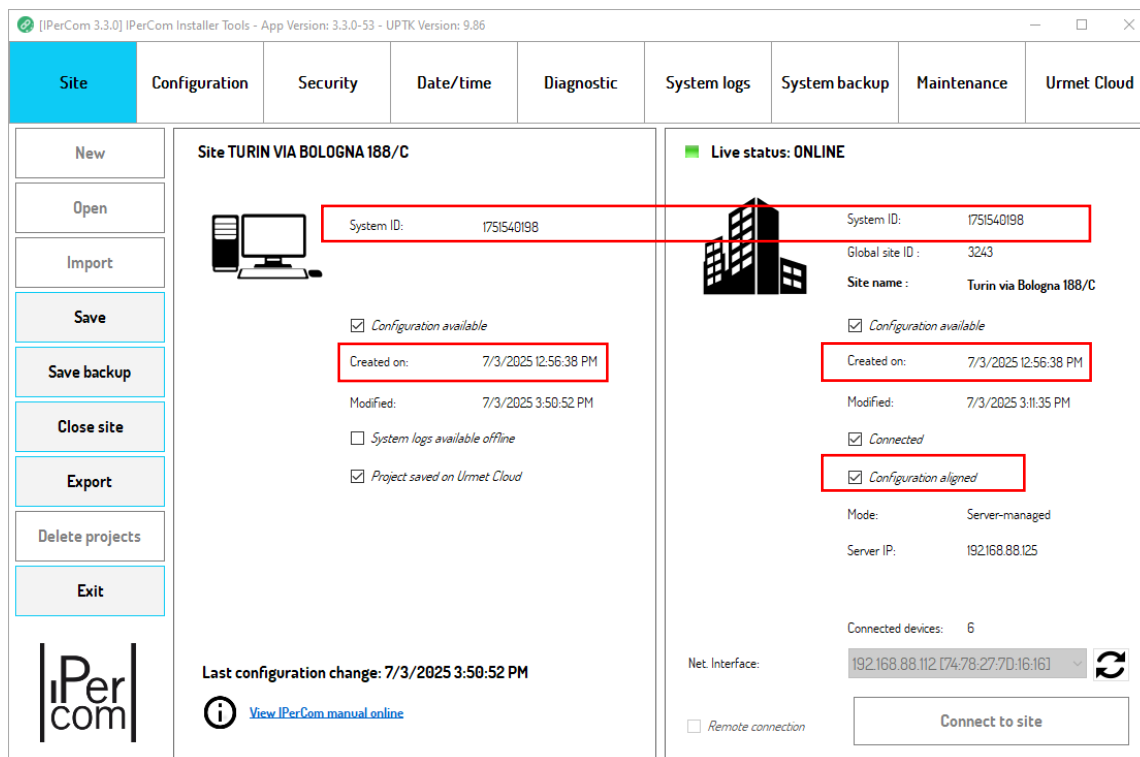
The “Show” button displays a table with the list of devices with the same configuration, their MAC and IP address and the last modification date of the configuration file, as shown below:



Model	IP	MAC address	Configuration
1160.3-1139.3	192.168.88.128	00:1E:E0:01:A5:F2	7/3/2025 3:50:52 PM
1160.3-1139.3	192.168.88.127	00:1E:E0:01:D3:B5	7/3/2025 3:50:52 PM
1060.13	192.168.88.122	00:1E:E0:02:D0:3D	7/3/2025 3:50:52 PM
1761.31	192.168.88.121	00:1E:E0:05:26:1E	7/3/2025 3:50:52 PM
1060.48	192.168.88.116	00:1E:E0:05:B3:03	7/3/2025 3:50:52 PM
1060.1	192.168.88.125	C4:00:AD:3F:72:83	7/3/2025 3:50:52 PM

Figure 131: list of devices with the same configuration

Press the “Site” tab to display the following screen:



**Site TURIN VIA BOLOGNA 188/C**

**Live status: ONLINE**

System ID: 1751540198

Global site ID: 3243

Site name: Turin via Bologna 188/C

☒ Configuration available

Created on: 7/3/2025 12:56:38 PM

Modified: 7/3/2025 3:50:52 PM

☐ System logs available offline

☒ Project saved on Urmet Cloud

Mode: Server-managed

Server IP: 192.168.88.125

Connected devices: 6

Net Interface: 192.168.88.112 [74:78:27:7D:16:16]

☐ Remote connection

[View iPerCom manual online](#)

Last configuration change: 7/3/2025 3:50:52 PM

[View iPerCom manual online](#)

**Connect to site**

Figure 132: “Site” tab with project and site aligned

The most important things to observe are the following:

- the identifier of project and site are the same, because the 2 identifiers are calculated starting from the creation date of the same configuration file;
- the configuration is aligned as the last modification date of the configuration file of the project and system site are the same;
- the "Site name" field, after applying the configuration, was filled in with the name given in the *configurator*.

Now the system has been configured: it is possible to save the project by pressing the "Save" button.

In this way the project with "System ID" field reported in [Figure 132](#) (high red box) has been associated to the newly configured system: any attempt to apply to the system a configuration coming from a project with a different ID is prevented. This is to avoid loading "wrong" local configuration files on the system. Any modifications must be made starting from the project just saved (or from any of its backups that have the same identifier) and then transferred to the system so that the situation is always aligned between the project and the system. The correct way to operate will be explained later in a dedicated paragraph ([How to use IPerCom Installer Tools to edit the configuration with system already installed and configured](#)).

From what is written above it can be deduced that once a system has been configured via a project, this (with any backups) becomes the only point of reference for any subsequent changes. In other words, each plant must be associated with one or more projects with the same "System ID".

### 7.3.9 Creating the configuration file with import from external file

In the third system configuration mode, the open project configuration file is imported from an external file instead of being created from scratch. In this way the steps to follow are the following (still assuming that the system has been installed but not configured):

- import the configuration from external file;
- connect to the system;
- set the proper system date and time;
- distribute the newly imported configuration to the system.

In detail, after creating a new project with system ID equal to zero, press the “*Configuration*” tab, the “*From File*” button allows importing a previously saved configuration file from PC:

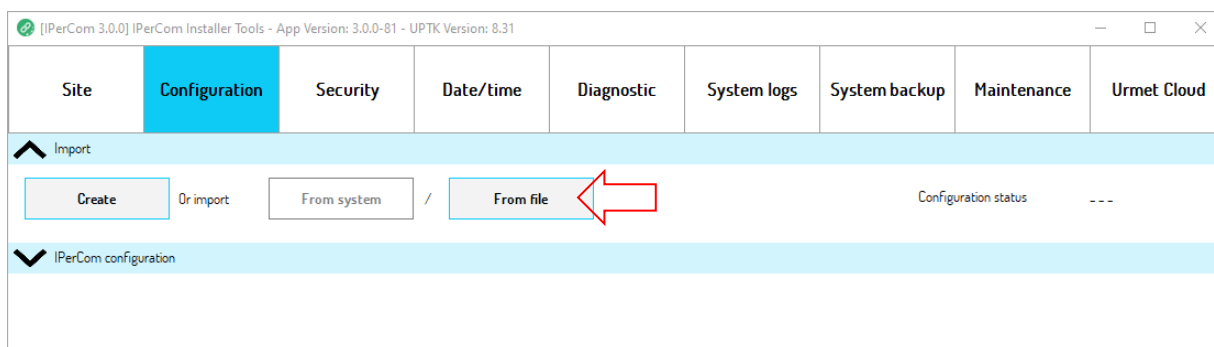


Figure 133: creating the local site configuration from an external file

The configuration files that can be imported have the ccf extension and, for example, can come from configurations created on *MAX*, *VOG<sup>7</sup>* or *Basic* video door phone, exported to SD card and then saved on PC (for further details see paragraph [Export and import configuration to SD card](#)).

After importing a configuration file, you are prompted to enter the installer password used to create the project.

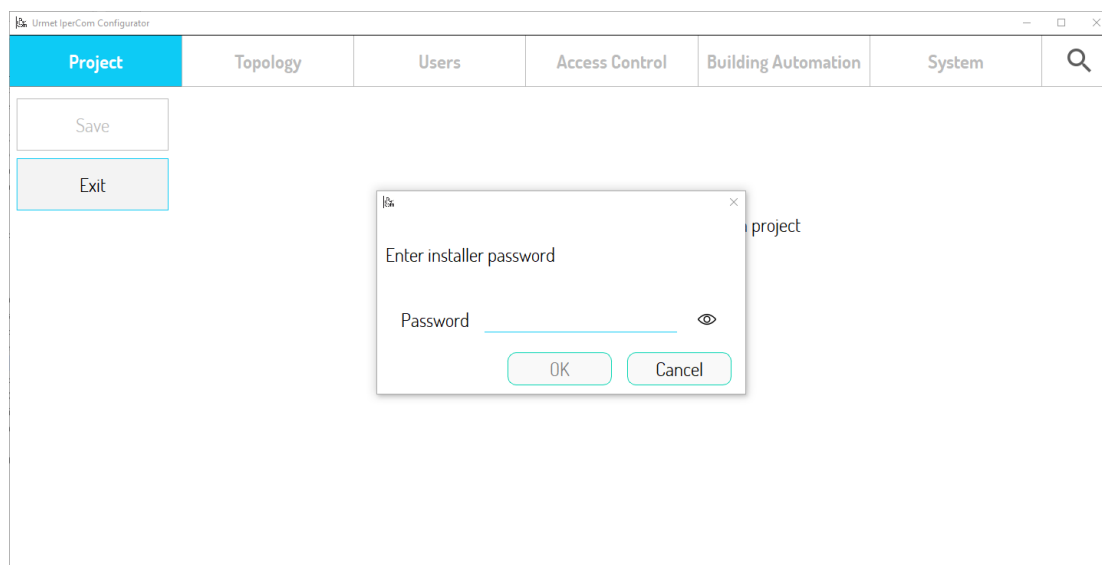


Figure 134: entering the installer password after importing the file

After entering the correct password, the *configurator* opens the relevant project:

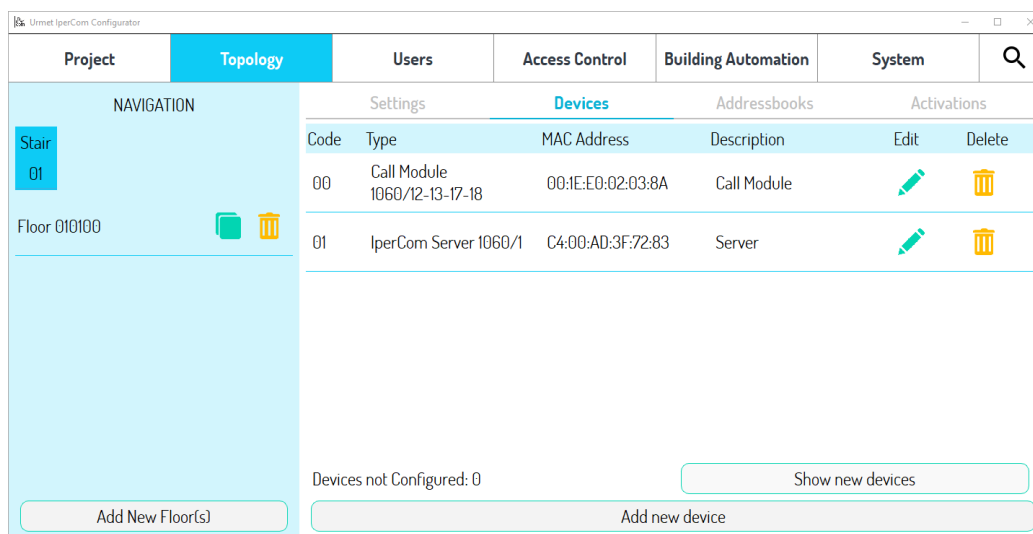


Figure 135: configuration of the imported file

After saving the configuration and exiting the *configurator* (see paragraph [How to save the configuration](#)), the way the configuration is transferred to the system is like the previous case.

**If you import a configuration file to another PC and this configuration has already been applied on one site, it is strictly forbidden to apply it to another factory reset system: this would be possible if the installer who first created the project with its configuration transfers his ownership of authorized installer to a second installer, who would then be able to open the imported project and apply the configuration on a second system.**

**Without transferring the ownership of authorized installer, the above is not possible, because when the second installer opens the imported project, IPerCom Installer Tools displays the following message:**

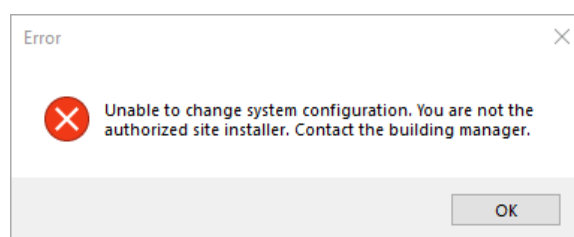


Figure 136: installer not authorized to make changes to the project

**The import function should only be used to transfer the "Installer Authorization" property from one installer to another, provided they are working on the same site.**

## 7.4 How to use *IPerCom Installer Tools* to edit the configuration with system already installed and configured

When a system has been installed and configured, it may be necessary to modify its configuration for various reasons (that is change of topology, change of system parameters or addition of devices). The various steps to follow to modify the configuration of a system with *IPerCom Installer Tools* are described below:

- open the project connected to the previously configured system;
- make the required modifications;
- connect to the system;
- distribute the newly modified configuration to the system.

A variant of this procedure can be to connect to the system and then make the modifications: the advantage of this procedure is that, if new devices must be added, it is not necessary to know their MAC addresses, as these are automatically proposed by the *configurator*, which is not the case if you are not connected to the system. In this way it is also possible to check that the dates of the last modification of project and system are aligned and therefore be sure that you are starting from an already aligned situation.

In both cases, the essential point is that the project associated with the system with which the first configuration was made is available and to make sure that the system has not been modified by the MAX, VOG<sup>7</sup> or Basic video door phone which have the *configurator* on board.

In this situation, after opening the right project with the "Open" button from the "Site" tab, connecting to the system with the "Connect" button and making the required modifications with the "Edit" button (from the "Configuration" tab through the *configurator*), the following screen is displayed:

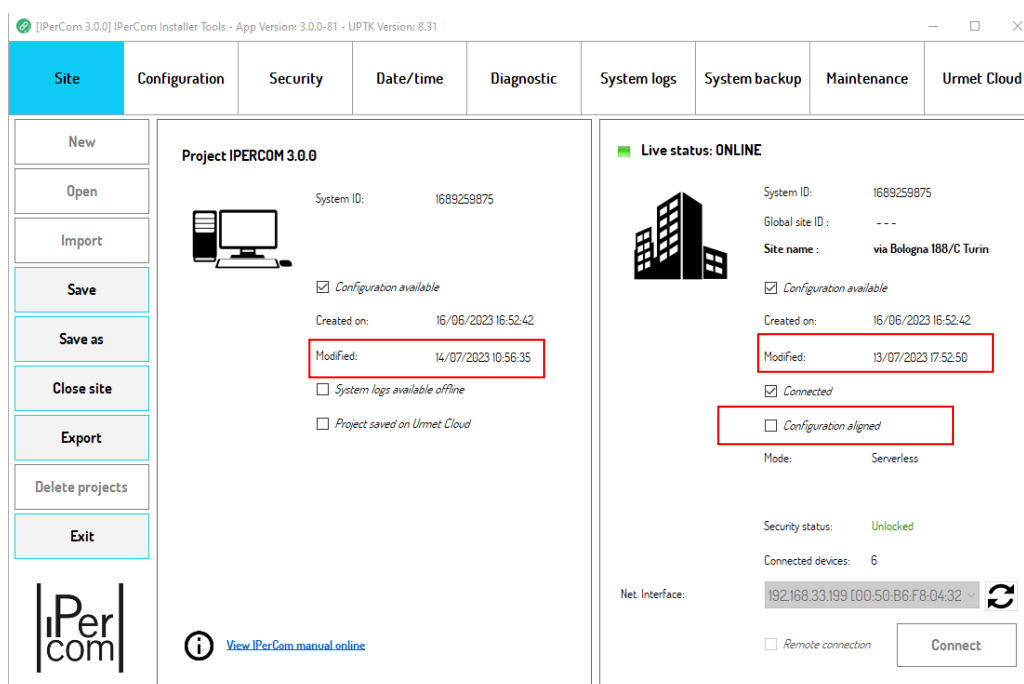


Figure 137: "Site" tab with project modified and connected to the system

As the local configuration has been modified with the "Modify" button, this is highlighted on the "Site" tab, as shown in the figure above: the modification date of the project is more recent than the modification date of the system site. This means that the configuration is not aligned (red boxes).

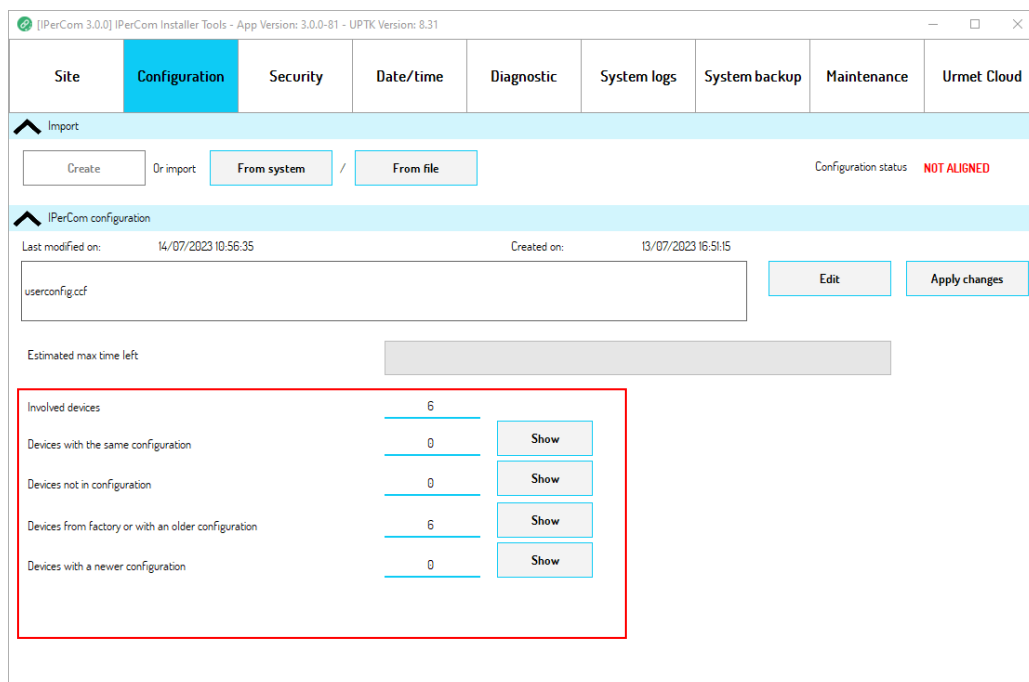


Local configuration modification requires the installer password, set through the configurator the first time the configuration has been created.



The "System ID" fields are the same, since they are calculated starting from the creation date of the same configuration file (that of the project then transferred to the site);

The "Configuration" tab instead shows that the system devices have an older configuration than the project (as shown in the red box):



The screenshot shows the iPerCom Configuration tab with the following details:

- Configuration status:** NOT ALIGNED
- Last modified on:** 14/07/2023 10:56:35
- Created on:** 13/07/2023 16:51:15
- Configuration file:** userconfig.ccf
- Estimated max time left:** (Progress bar)
- Involved devices:** 6
- Devices with the same configuration:** 0
- Devices not in configuration:** 0
- Devices from factory or with an older configuration:** 6
- Devices with a newer configuration:** 0

Figure 138: "Configuration" tab with local configuration not yet transferred to the system

The "Apply changes" button allows you to align the configuration: in fact (after applying the changes) the "Modified" field on the "Site" tab is the same both on the project and on the system site and therefore the configuration is aligned. In the "Configuration" tab, the "Devices from factory or with an older configuration" field is reset to zero, while the "Devices with the same configuration" field takes the same value as the system devices (with the same configuration associated to the project):

Modified: 14/07/2023 11:08:00	Modified: 14/07/2023 11:08:00
<input type="checkbox"/> System logs available offline	<input checked="" type="checkbox"/> Connected
<input type="checkbox"/> Project saved on Urmet Cloud	<input checked="" type="checkbox"/> Configuration aligned

Figure 139: aligned configuration between project and system site

Involved devices	6	
Devices with the same configuration	6	Show
Devices not in configuration	0	Show
Devices from factory or with an older configuration	0	Show
Devices with a newer configuration	0	Show

Figure 140: system devices aligned to the local configuration

Now it is possible to save the project and then close it: the modification to the system has been correctly made through the same project that was used to configure the system for the first time.



*The configuration distribution procedure ends correctly when the number of devices with an old configuration or without configuration and the number of devices with a newer distribution are zero.*

The next paragraph describes an example of devices in the system with a newer configuration.

## 7.5 System configuration newer than project configuration

The case described in the previous paragraph is the most common one: once connected to the system, the installer modifies the project configuration, which is therefore more recent than the system configuration. The “*Apply changes*” button allows you to align the project configuration with that of the system.

It could also happen that the installer, once connected to the system, finds himself in a situation where the project configuration is older than that of the system.

For example, having a project with several backups, if you open one of these backups that has an older configuration than the most recent project (called “*Latest Version*”) and then connect to the plant, you get the following (if the configuration relating to the “*Latest Version*” project was previously distributed to the plant):

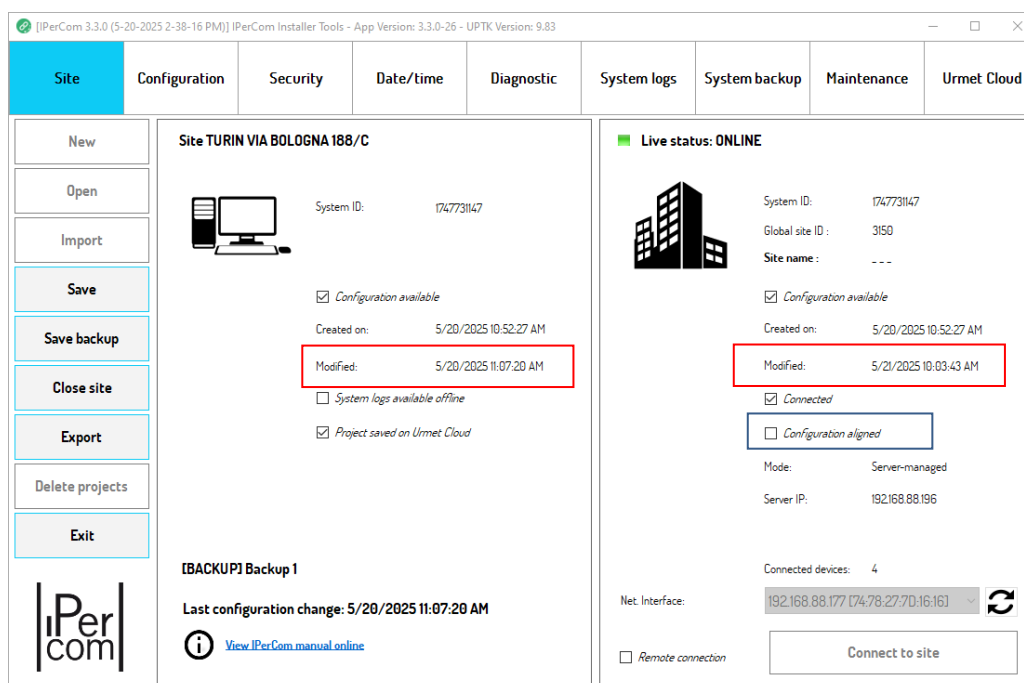


Figure 141: site configuration not aligned to project configuration

The modification date of the site configuration is more recent than the modification date of the project configuration. This means that the configuration is not aligned (blue box).

The “*Configuration*” tab confirms the above, in the sense that the system devices have a newer configuration than the project:

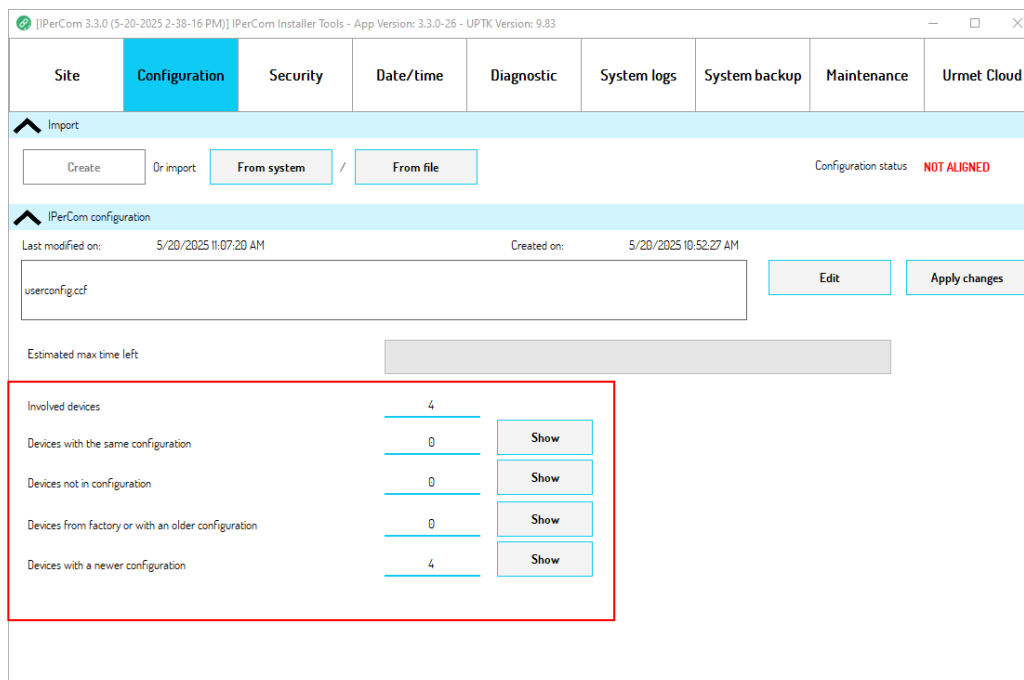


Figure 142: devices with a newer configuration

Pressing the “*Apply changes*” button, the following message is shown:

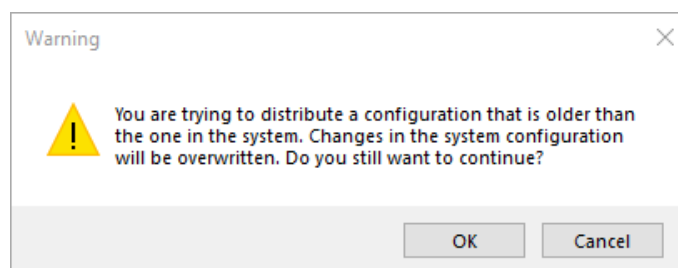


Figure 143: alignment of system site to local site with loss of modifications

Pressing “*OK*” button allows you to align the configuration associated to the project to the configuration associated to the site, losing all the modifications made on the system site (as explained in the message above).

At the end of the configuration distribution on “Site” tab, the “Modified” field on the project and the system site have the same date and then the “Configuration aligned” field is selected:

Created on: 5/20/2025 10:52:27 AM	Created on: 5/20/2025 10:52:27 AM
Modified: 5/21/2025 10:49:01 AM	Modified: 5/21/2025 10:49:01 AM
<input type="checkbox"/> System logs available offline	<input checked="" type="checkbox"/> Connected
<input checked="" type="checkbox"/> Project saved on Urmet Cloud	<input checked="" type="checkbox"/> Configuration aligned

Figure 144: aligned configuration between project and system site



The “Modified” field reports the date and time the configuration was applied.

In the “Configuration” tab, the “Devices with a newer configuration” field is reset to zero, while the “Devices with the same configuration” field takes the same value as the system devices with the same configuration associated to the project:

Involved devices	4	
Devices with the same configuration	4	Show
Devices not in configuration	0	Show
Devices from factory or with an older configuration	0	Show
Devices with a newer configuration	0	Show

Figure 145: system devices aligned to the project

If, on the other hand, you do not want to lose the changes made on the system site and you want to align the local configuration with the system configuration, simply press the “From system” button in the “Configuration” tab. In this way the system site configuration is transferred to that associated to the project. The following screen is displayed, where the only configuration available on the system must be selected:

Import configuration from system

Configuration

Please select configuration

System ID	Configuration	Devices
1747731147	5/21/2025 11:18:16 AM	1

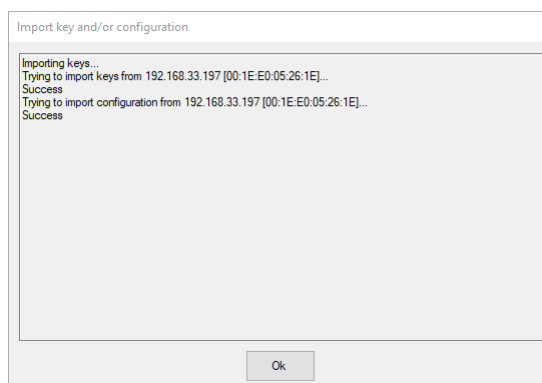
Cancel
< Back
Import

Figure 146: window to select the configuration to be imported on the local site



*In systems with at least one Server 1060/1, when importing the configuration from the system site to the project, the only device recognized is one of the Servers.*

At this point by pressing the “*Import*” button, it is possible to import the installer password and configuration, as shown below:



*Figure 147: importing passwords*

After pressing the “*OK*” button, the configuration is aligned again, that is the project and the system site modification date is the same and the devices have the same configuration.

In the example above, whether you press the “*From system*” button or the “*Apply changes*” button, saving the project with button “*Save*” saves the current project as latest version.

## 7.6 Importing configuration files with different IDs

After locally creating a project with a configuration file and transferring the configuration to the system, the situation is as follows:

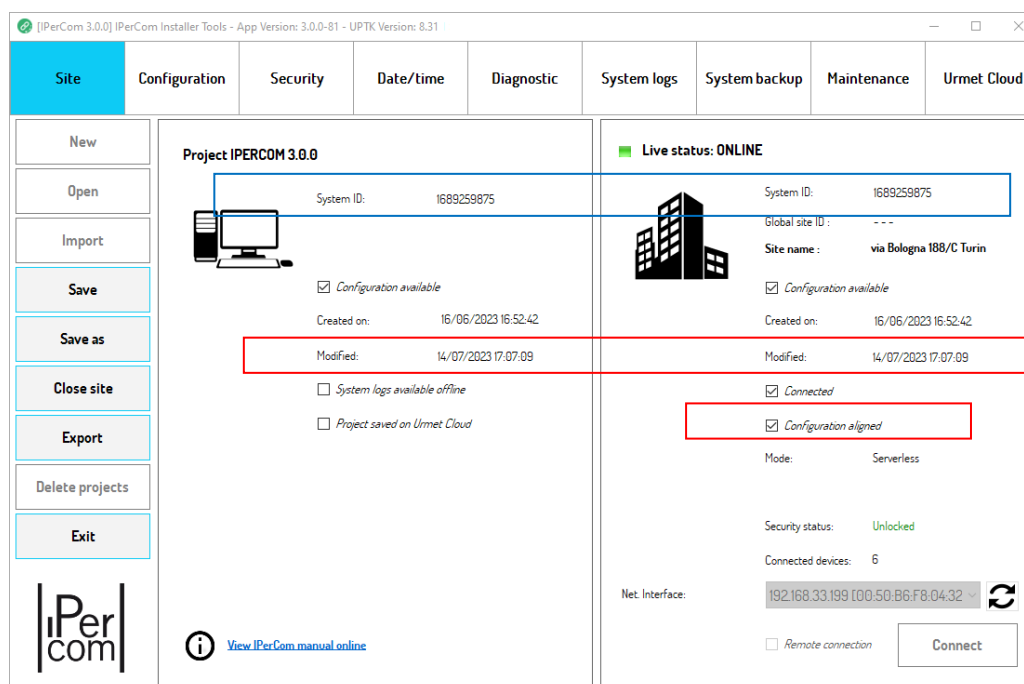


Figure 148: "Site" tab with project and system site aligned

The system is aligned, as shown in the red boxes, that is the modification date of the local configuration and that of the system are the same.

The "Modified" field is useful to understand if the configuration file is more recent on the project or on the system site and then to understand where the last modifications were made (whether on project or on system). The identifier of project and system site are also aligned (blue box), because the 2 identifiers are calculated starting from the creation date of the same configuration file.

This parameter is useful to avoid importing configuration files from other sites with different system identifiers on an already configured and functioning system, and thus creating malfunctions. If modifications need to be made to the system, they must be made from the project associated with the system and then transferred to the system, so that there is always an aligned situation between the project and the system site.

If project and system site have different identifiers and you try to apply the project configuration to the system site, the following occurs.

If you create a configuration file with an identifier other than “1689259875” (which is the right system identifier reported in [Figure 148](#)), i.e. with a creation date other than “16/06/2023 16:52:42”, and if you are not yet connected to the system (which has the same identifier as the local site “1689259875”), the following situation occurs:

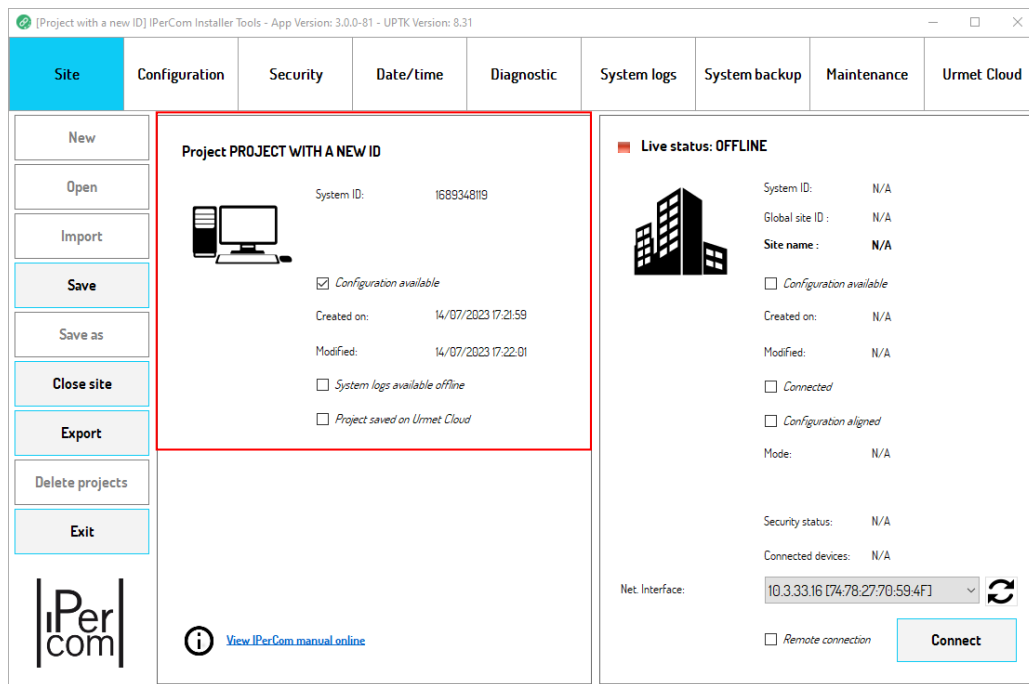


Figure 149: “Site” tab with project identifier different from that of the system site

As shown in the figure above, the project identifier is different from “1689259875”. If you connect to a system already configured and working (with identifier “1689259875”) and try to apply this configuration, you could inevitably lose the work already done. To avoid this, when the local identifier does not coincide with the system identifier (that is with system already configured), after pressing the “Connect” button, the following message is displayed:

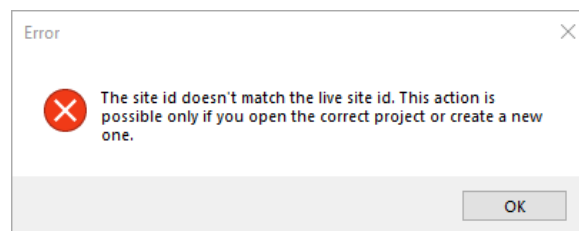


Figure 150: error message if project identifier and system site identifier do not match

Press the “OK” button to close the application and open it again on the “Site” tab with no project open.

The only way to connect to the system is to load the project connected to this system: the correct use of the application requires in fact to have a unique project for each system from which to connect to the system and make the modifications.



The above error also occurs if the project configuration is taken from an external configuration file saved on a PC and you try to connect to a different identification system.

If by mistake the project has been deleted and you want to restore it from the system site, you can create a new project with a zero identifier (that is without any configuration file):

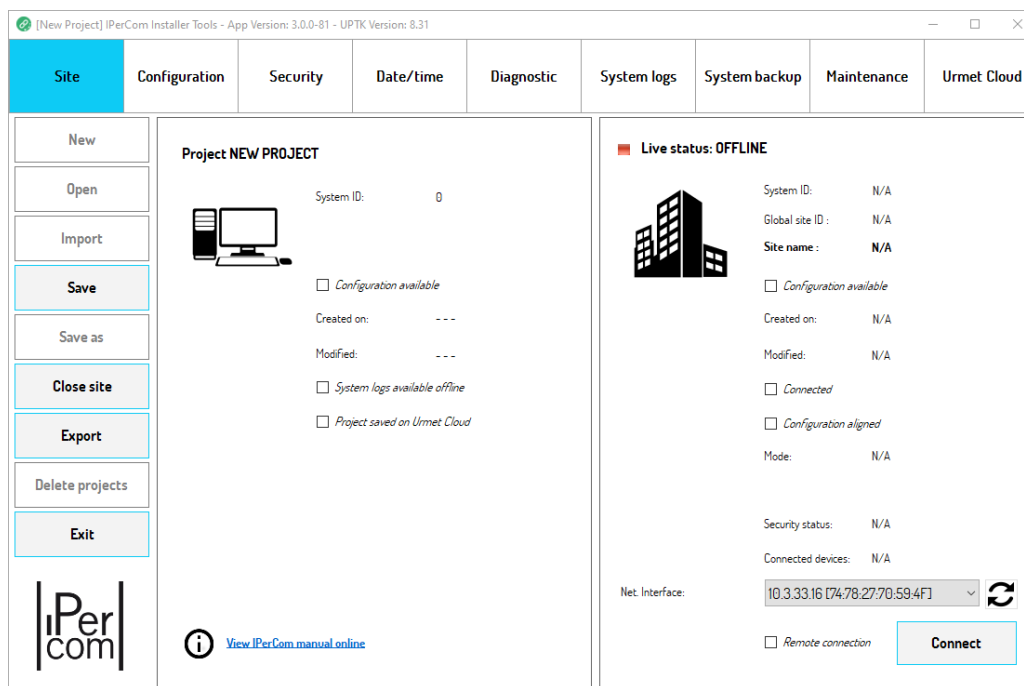


Figure 151: "Site" tab with project identifier equal to zero

Now, after choosing the right network interface, it is necessary to connect to the system.

The following screen is displayed:

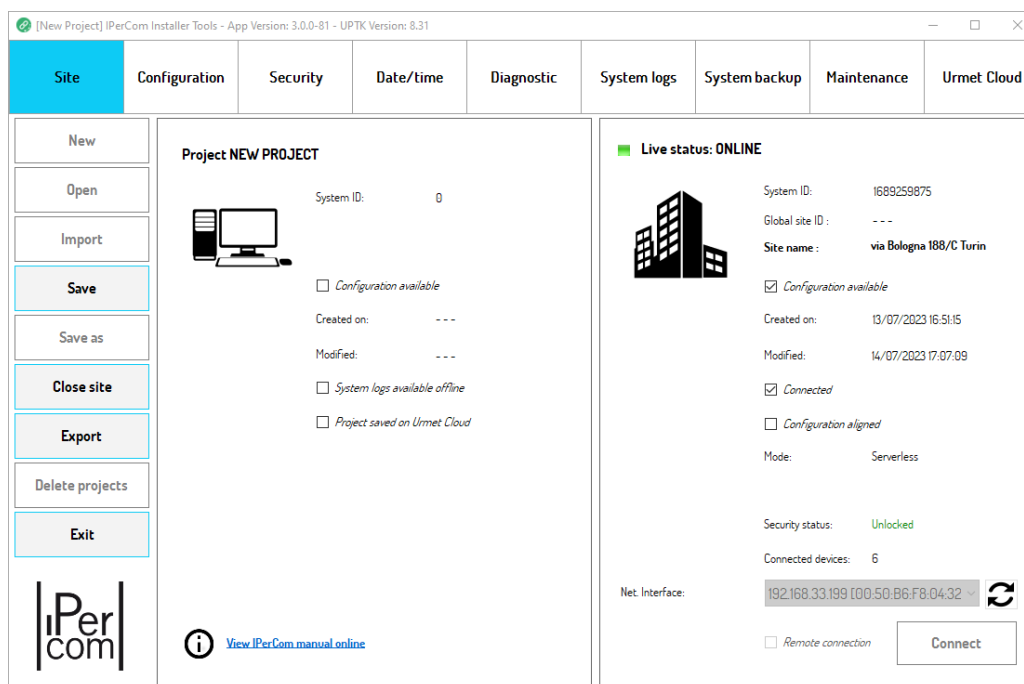


Figure 152: "Site" tab with connection to the system and project identifier equal to zero

The system ID 1689259875 corresponds to that of the first configuration. Now move to the "Configuration" tab, the following screen is displayed:

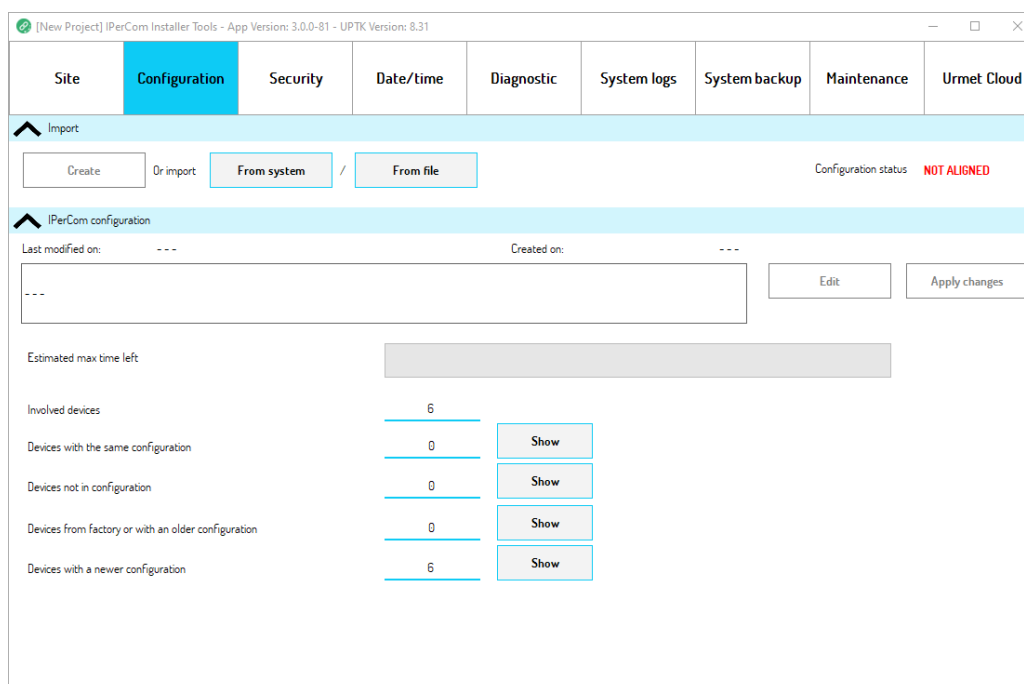


Figure 153: "Configuration" tab to import the configuration from the system

In this case the "Create" button is frozen because any local configuration created would have a different identifier from the one already present on the system site and could not be transferred.

The quickest way to restore a project configuration compatible with the system site configuration is to press the "From system" button. The following screen is displayed:

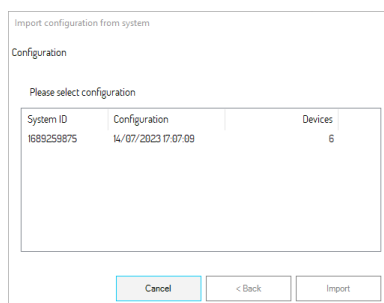


Figure 154: importing from system configuration

After selecting the only available configuration on the system, the "Import" button is enabled. Press the "Import" button to import the keys and the system configuration, as already described above.

Press the "OK" button, the "Site" tab restores the alignment:

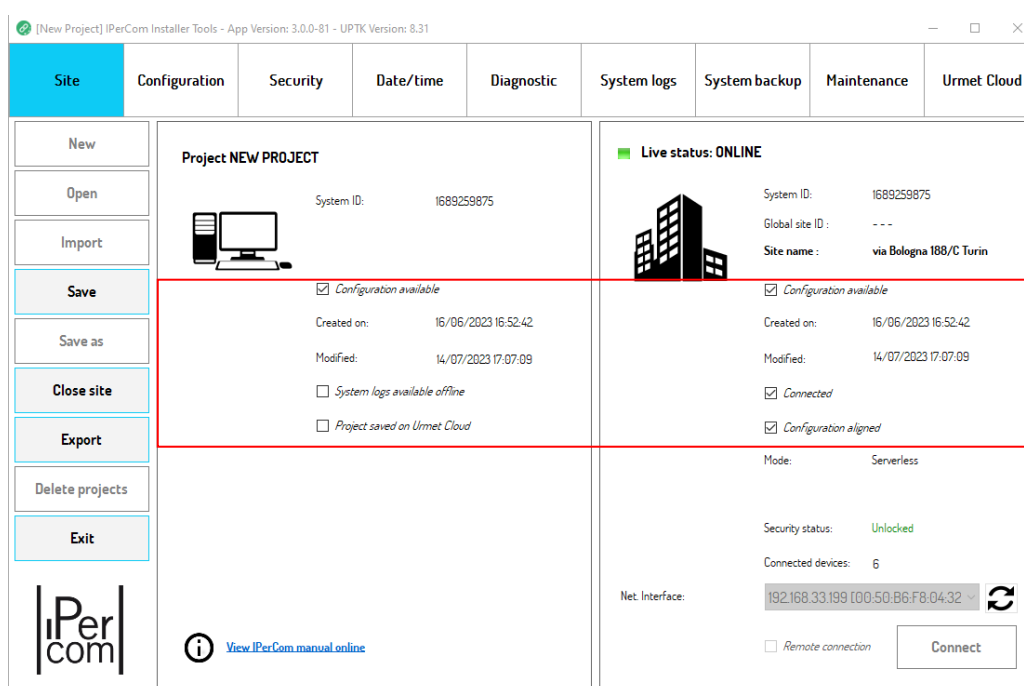


Figure 155: "Site" tab with project and system site aligned

The procedure of creating a new project without any configuration is mandatory if you want to change the configuration of a villa kit in iPerCloud mode with a 1060/21 entry panel. In this case, however, after having connected to the system and downloaded the configuration, to modify it it is necessary to set an installer password from the "Security" tab (see paragraph [Security](#)). With this password you can then access the configuration for any changes.



If an installer creates a project with a “System ID” equal to zero, connects to an already configured system (of which he is an authorized installer) and imports the configuration via the “From system” button, the operation in question is prevented if the installer has already created a project with a “System ID” equal to that of the site to which he is connecting. The error reported by IPerCom Installer Tools is the following:

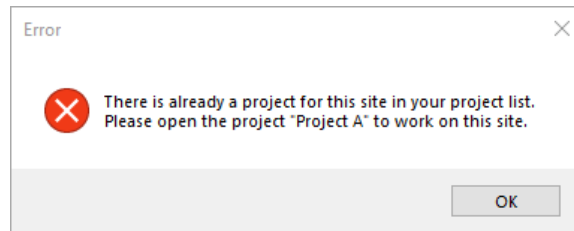


Figure 156: attempt to create a second project for the same site prevented

## 7.7 Systems with two configurations

Once an IPerCom system has been configured and is operational, it is assigned a unique identifier, called “System ID”, calculated from the date the configuration file was created.

If one or more devices with a different configuration than the system (i.e. with a different “System ID”) are connected to this system and these devices are put into configuration, *IPerCom Installer Tools* reports the anomaly with the following dialog box:

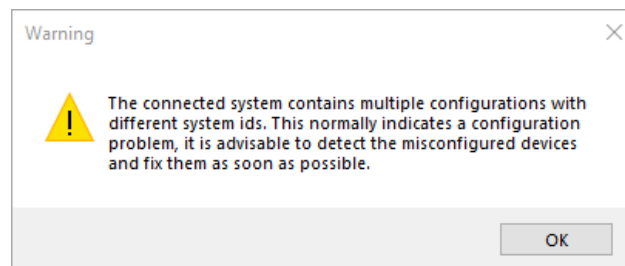


Figure 157: message in case of devices/applications with different configurations (different system IDs)

In this situation it is impossible to distribute the configuration; in fact, if you close the previous dialog box and press the “Apply changes” button, the following message is displayed:

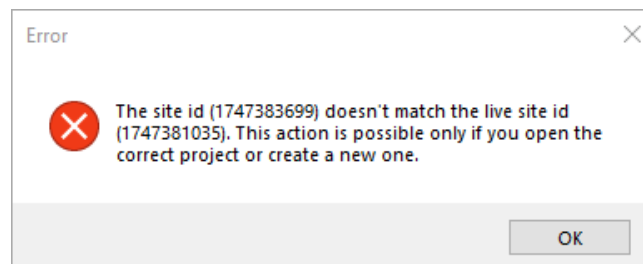


Figure 158: different system IDs

In the “Site” tab, on the left side (relating to the project), the “System ID” of the correctly configured system is shown, while on the right side (relating to the system) two “System ID” values are shown: the first is related to the correctly configured system, while the second is related to the system from which the added device comes. The above is reported below:



 <p>System ID: 1747383699</p>	 <p>System ID: 1747381035, 1747383699 Global site ID : 3111 Site name : ---</p>
--	--

Figure 159: different system IDs in tab “Site”

This situation is abnormal and must be fixed immediately by disconnecting the device added incorrectly.

**Therefore, before adding a new device on an already configured system, it is good to make sure that it is not configured: otherwise, it is advisable to proceed with a factory reset of the device.**

## 7.8 System remote access

All the operations described above can also be carried out with the system in remote mode, that is without being physically connected to the system with your PC. This operating mode is possible if the following conditions are met on the system to which you need to connect remotely:

- at least one of the following devices is present: *Server 1060/1, Modular Calling Station with 1060/48, Entry Panel 1060/21, Entry Panel 1060/33, Entry Panel 1060/34, Video door phone 7" VOG<sup>7</sup> 1761/3x, Video door phone 5" VOG<sup>5+</sup> 1761/15-16-18-19, Video door phone 5" VOG<sup>5</sup> 1761/6, Video door phone MAX 1717/2x, 3x, 4x, Video door phone 7" Basic 1741/1-2-3, Door phone Miro 1160/3;*
- the system is connected to the Internet;
- the system has the remote access function enabled.



*The remote access function can be configured in the "Maintenance settings" section of the "System" tab of the configurator. For further details see the [Maintenance Settings](#) paragraph.*



*The list of devices reported above also includes video door phones in the U version, i.e. VOG<sup>7</sup>, MAX 10", VOG<sup>5+</sup>.*

Remote access is carried out via an already existing project with the same identifier ("System ID" field) as the (remote) plant site to which you want to connect.

This represents the most common use case: the installer, connected to the system with his PC, defines the configuration of the system itself; the relevant project remains available on *IPerCom Installer Tools* for any modifications, even remotely, by the installer himself.

How to remotely access a system is now described in more detail.

## REMOTE ACCESS THROUGH AN ALREADY EXISTING PROJECT (WITH IDENTIFIER SAME AS THE REMOTE SYSTEM SITE)

After starting *IPerCom Installer Tools* and opening the correct project with the “Open” button, the screen that appears is the following:

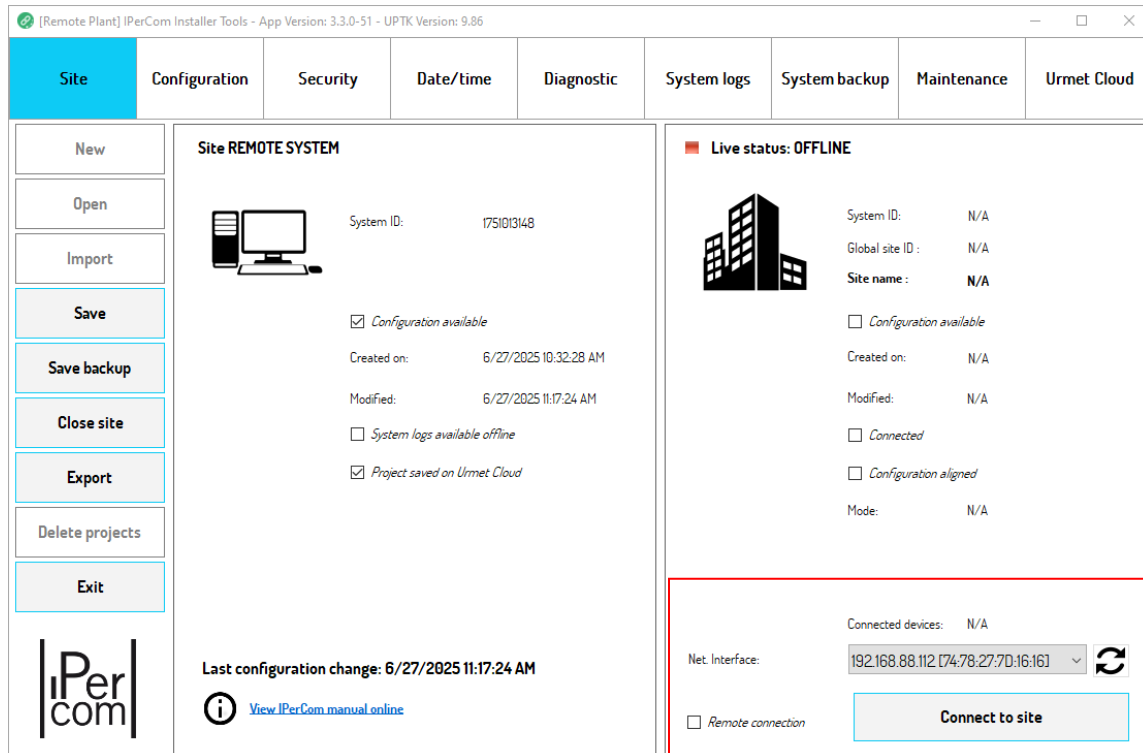
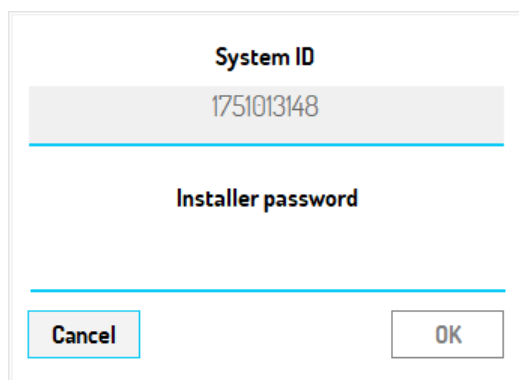


Figure 160: project with the same identifier as that of the remote site

At this point, in the red section of the above figure:

- select the network interface (IP address and MAC address) through which your PC connects to the remote system via the Internet;
- select the "Remote connection" item;
- press the “Connect to site” button.

The following window is displayed:



A dialog box titled "System ID" with a text field containing "1751013148". Below the text field is a label "Installer password" followed by another empty text field. At the bottom are "Cancel" and "OK" buttons.

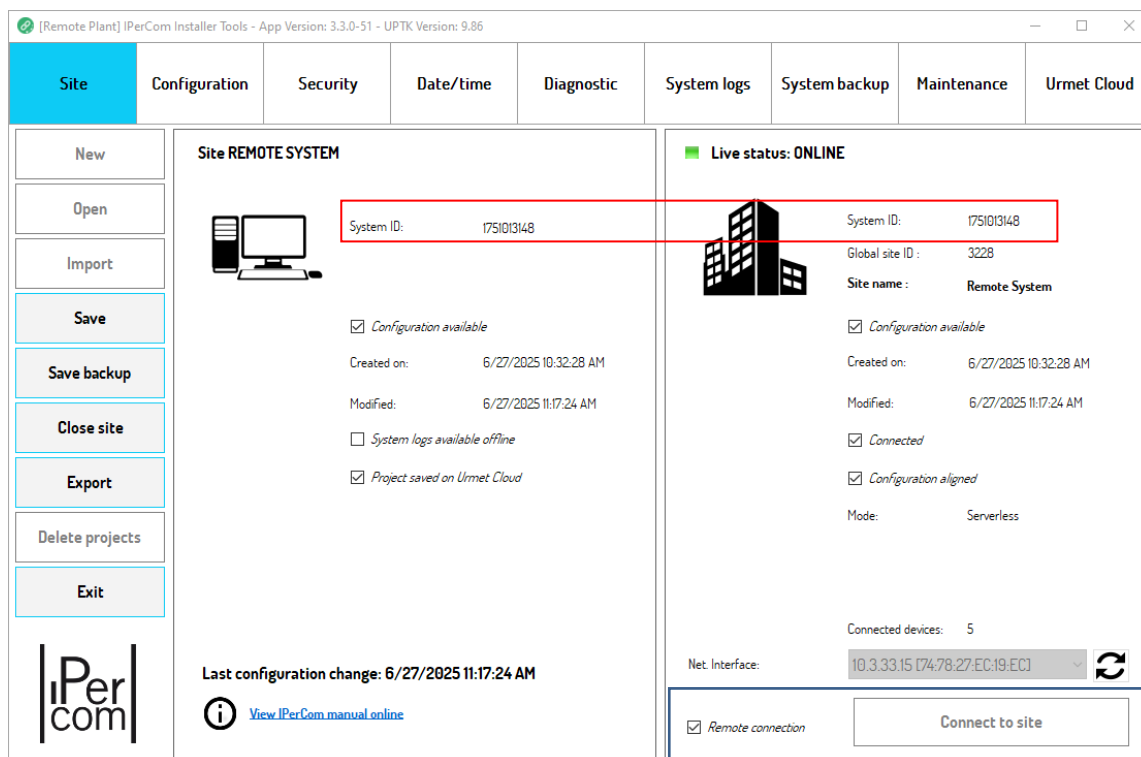
Figure 161: system ID like that of the remote site

**To complete remote access, only the installer password must be entered.**



The "System id" field is already filled in and cannot be changed and is the same as the system id of the project previously opened.

After entering the right installer password and pressing the "OK" button in [Figure 161](#), a window like the one below appears:



The main window of the IPerCom Installer Tools. The title bar shows "[Remote Plant] IPerCom Installer Tools - App Version: 3.3.0-51 - UPTK Version: 9.86". The interface has a top menu bar with tabs: Site, Configuration, Security, Date/time, Diagnostic, System logs, System backup, Maintenance, and Urmet Cloud. The "Site" tab is active. On the left is a sidebar with buttons: New, Open, Import, Save, Save backup, Close site, Export, Delete projects, and Exit. The main area is divided into two panels. The left panel, titled "Site REMOTE SYSTEM", shows a computer icon, a red-bordered box containing "System ID: 1751013148", and configuration details: "Created on: 6/27/2025 10:32:28 AM", "Modified: 6/27/2025 11:17:24 AM", and checkboxes for "Configuration available" (checked), "System logs available offline" (unchecked), and "Project saved on Urmet Cloud" (checked). The right panel, titled "Live status: ONLINE", shows a building icon, a red-bordered box containing "System ID: 1751013148", and details: "Global site ID: 3228", "Site name: Remote System", "Created on: 6/27/2025 10:32:28 AM", "Modified: 6/27/2025 11:17:24 AM", "Mode: Serverless", "Connected devices: 5", and "Net. Interface: 10.3.33.15 [74:78:27:EC:19:EC]". At the bottom of the right panel are checkboxes for "Remote connection" (checked) and a "Connect to site" button. The bottom of the window shows the IPercom logo, the text "Last configuration change: 6/27/2025 11:17:24 AM", and a link "View IPerCom manual online".

Figure 162: remote access done

As you can see in the red box, the system identifier and that of the project are the same and the connection to the system is a remote connection (blue box).



*If the installer password entered is incorrect, the following error message appears:*

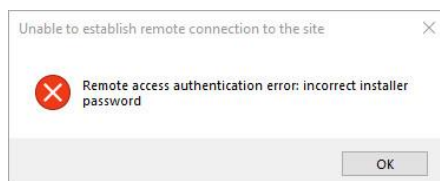


Figure 163: error message in case of incorrect installer password



*The configuration may be aligned or misaligned: in the latter case it is advisable to align it with that of the remote system or the project, after which any changes can be made to the project and then remotely transferred to the system.*



*If remote access has not been enabled, after entering the installer password, the following error message appears:*

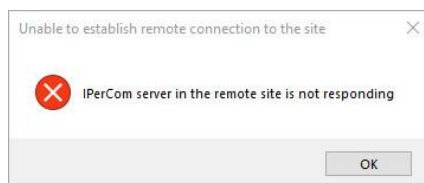


Figure 164: remote access not enabled by configurator



*From version 3.1.0 of IPerCom it is no longer possible to connect remotely to a system with a project whose identifier is equal to zero.*



*Once connected remotely to a system, it is not possible to perform the following operations:*

- *firmware upgrade,*
- *erase configuration on all devices (button on tab “Maintenance”),*
- *reboot all devices of site (button on tab “Maintenance”),*
- *erase configuration on a single device (button on tab “Diagnostic”),*
- *make a factory reset on a single device (button on tab “Diagnostic”).*



If you open a wrong project, that is with a different “System ID” than the remote site, IPerCom Installer Tools displays the following error message:

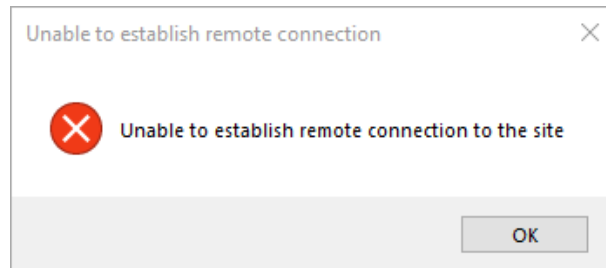


Figure 165: attempting to connect to a remote site from an incorrect project

## 7.9 Other functions of IperCom Installer Tools

The other functions of *IperCom Installer Tools* concern the “Security”, “Date/Time”, “Diagnostic”, “System Log”, “System backup”, “Maintenance” and “Urmet Cloud” tabs.

The functions relating to these tabs are enabled based on the following events:

- opening a project using the “Open” button;
- connection to the site via the “Connect” button;
- alignment of the configuration between project and plant site;
- presence of one or more 1060/1 Server in the system.

The following table shows which of the above events must occur (symbol **V**) for the tab functions to be active (the symbol **---** indicates that the relevant condition is not mandatory):

Tab	Condition			
	Project opening	Site connection	Configuration alignment	System with server
Security	V	V	V	---
Date/Time	V	V	---	---
Diagnostic	V	V	V	---
System Log	V	V	V	V
System backup	V	V	---	V
Maintenance	V	V	---	---
Urmet Cloud	---	---	---	---

Table 8: activation condition for IperCom Installer Tools tabs

The “Urmet Cloud” tab is the only one that is always active regardless of whether the above conditions are verified or not. The functions of this tab are mainly linked to the installer's access to the Urmet cloud and will be explained in detail in the next paragraph.

### 7.9.1 “Urmnet Cloud” tab

After authenticating to Urmnet Cloud, *IPerCom installer Tools* appears as shown below:

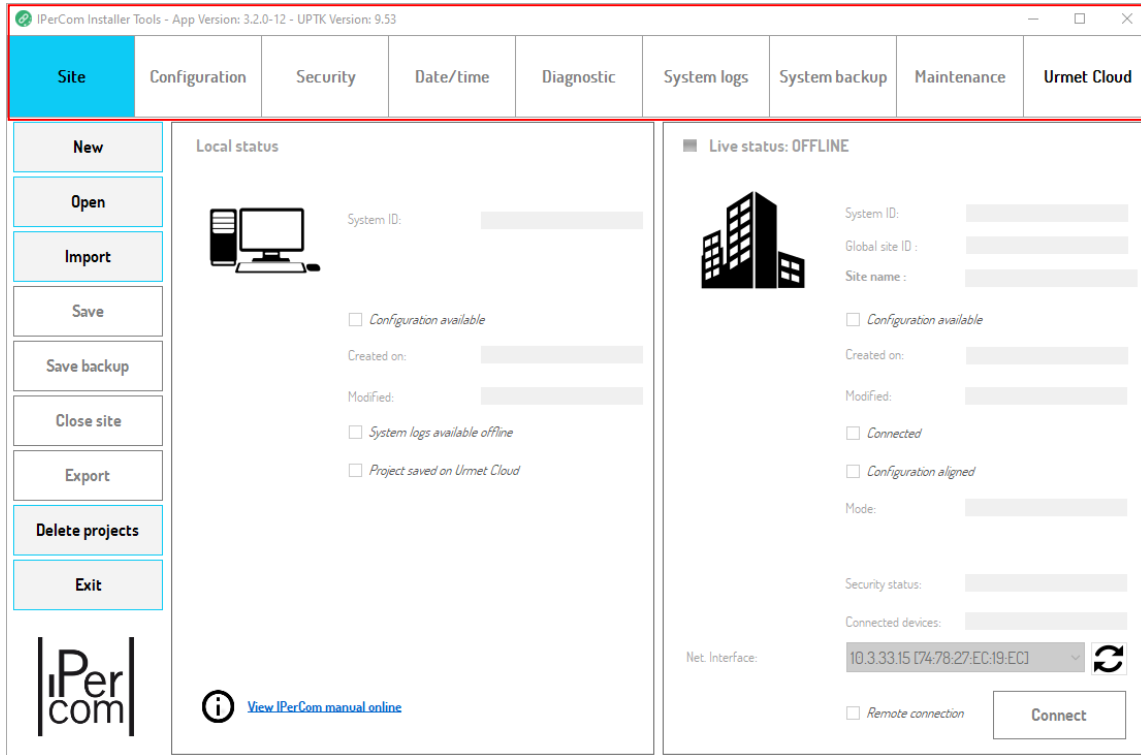


Figure 166: IPerCom Installer Tools after Urmnet Cloud authentication

All the tabs in the red box at the top are disabled except for the “Site” and “Urmnet Cloud” tabs. The “Urmnet Cloud” tab allows you to do the following:

- disconnect from Urmnet Cloud or connect to Urmnet Cloud,
- modify the user profile data with which you registered to Urmnet Cloud,
- pre-activate the license packages for the IPerCloud mode,
- view the history of the pre-activated license packages,
- activate the IPerCloud test mode,
- manage the site access authorizations (for another installer or for the building manager via the *CallMe Manager* application).

The activation of the test mode and the management of access authorizations is also linked to the opening of a project, the connection to the system and appropriate settings made via the *configurator*.

The following paragraphs will explain in detail how to do the above.



Please remember that to use all the features of the IPerCom Installer Tools application (in addition to those listed above), authentication to Urmet Cloud is required.



Please remember that authentication to Urmet Cloud requires that the PC (where the IPerCom Installer Tools application is installed) has an Internet connection.

#### 7.9.1.1 Urmet Cloud access completed

After logging in to Urmet Cloud, the relevant tab appears as shown below:

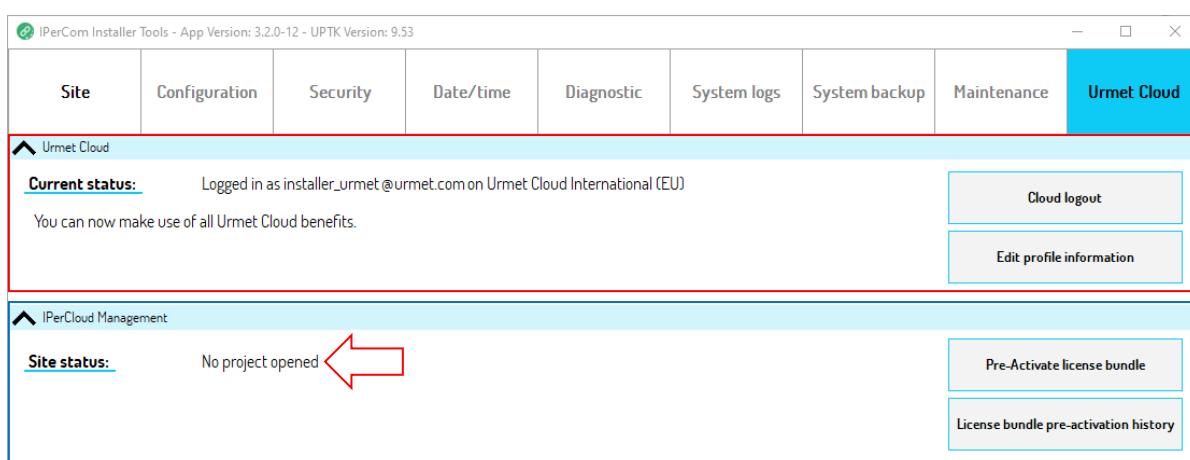


Figure 167: access to the Urmet cloud performed

The **Urmet Cloud** section (red box) shows the user with whom you have logged in to the cloud and shows 2 buttons that allow you to:

- log out from Urmet Cloud;
- modify the data of your user profile entered during registration (see [Urmet Cloud authentication](#) paragraph).



After disconnecting from Urmet Cloud, the “Login/Register” button appears in the **Urmet Cloud** section, through which you can register to Urmet Cloud with a new user or log in via an already created user:

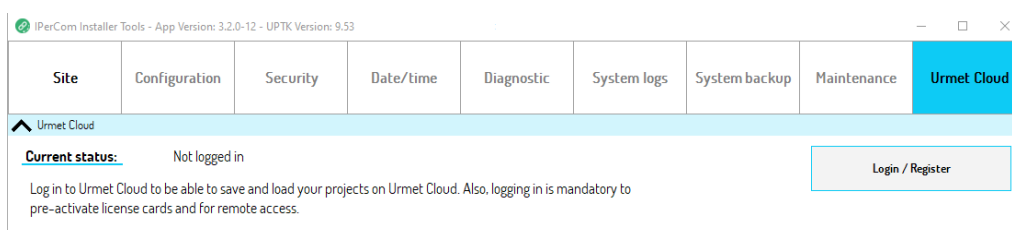


Figure 168: button to register or log in to Urmet Cloud

The **iPerCloud Management** section (blue box) instead shows 2 buttons through which the installer can pre-activate the license bundles and view the history of the pre-activated license bundles (see paragraph [Pre-activation license bundle and pre-activation license bundle history](#)). The section in question also reports the information that no site has been loaded (red arrow).

### 7.9.1.2 Urmet Cloud access and opening of a project

After opening a project saved on your PC or on the cloud, the “*Urmet Cloud*” tab appears as shown below:

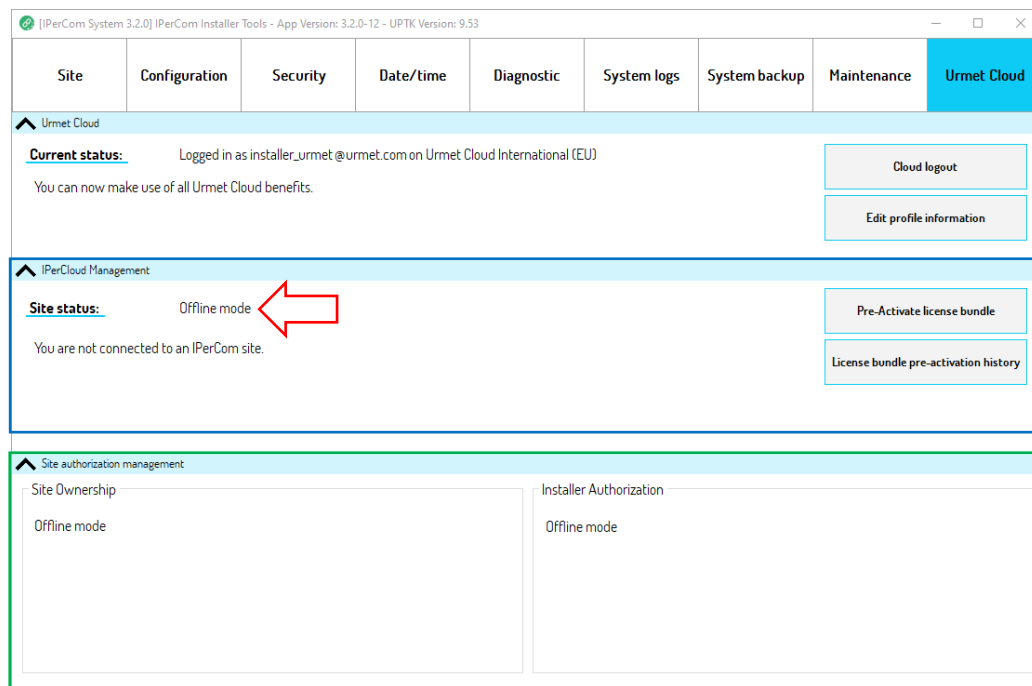


Figure 169: access to the Urmet cloud performed with the opening of a project

The **Urmet Cloud** section has not changed compared to before.

The **iPerCloud Management** section (blue box) shows the “*Offline mode*” indication: this means that you are not yet connected to any site (red arrow).

The **Site Authorization Management** section (green box) shows two subsections: **Site Ownership** and **Installer Authorization**. Both show the “*Offline mode*” indication, meaning that you are not yet connected to any site. The usefulness of this new section will be explained in the next paragraph, after connecting to the site.

### 7.9.1.3 Urmet Cloud access, opening of a project and connection to a site

After connecting to the system (with the configuration aligned with that of the project), the “Urmet Cloud” tab appears as shown below:

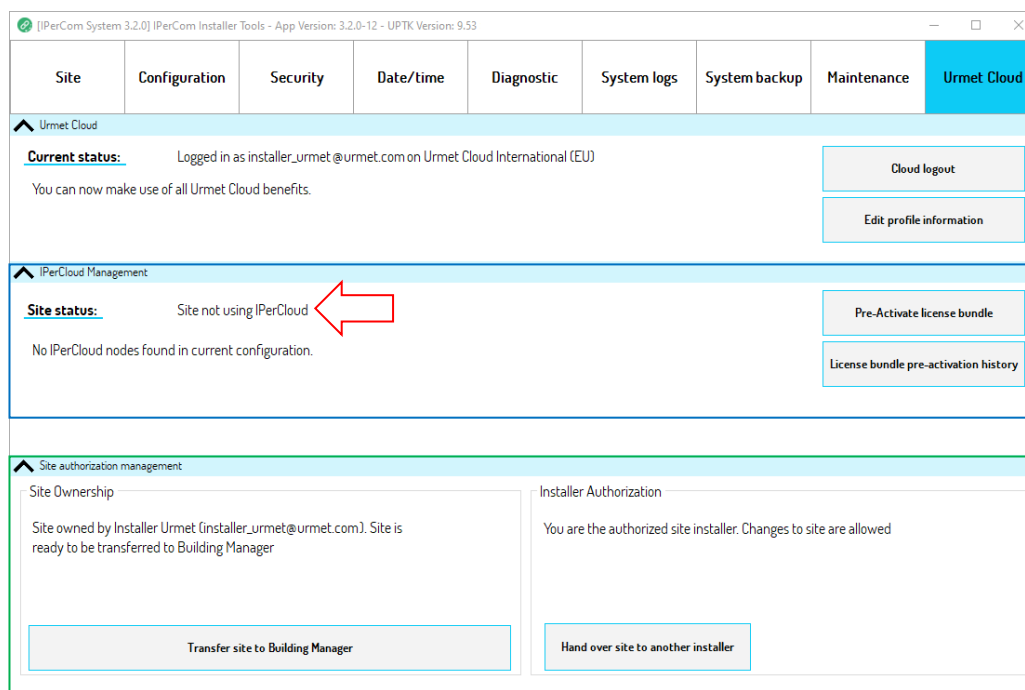


Figure 170: access to the Urmet cloud performed with the opening of a project and connection to the site

The **Urmet Cloud** section has not changed compared to before.

The **IPerCloud Management** section (blue box) shows the indication “*Site not using IPerCloud*”: this means that no IPerCloud apartment (or more generally node) has been detected.



*It is necessary that the configuration between the project and the plant site is aligned so that the presence or absence of one or more IPerCloud nodes is reported in the **IPerCloud Management** section. If this is not the case, the non-aligned configuration information is reported:*

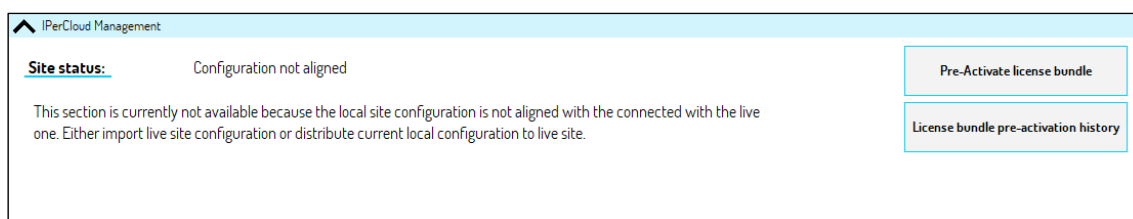


Figure 171: misaligned configuration and IPerCloud Management section

The **Site authorization management** section (green box) concerns the possibility of:

- transferring site ownership from an installer to a building manager for the configuration of the call forwarding function;
- transferring site ownership from an installer to another installer.

For further details on the 2 points above see the paragraph [Site authorization management](#).

If the IPerCom system has one or more IPerCloud nodes, the “Urmnet Cloud” tab appears as shown below:

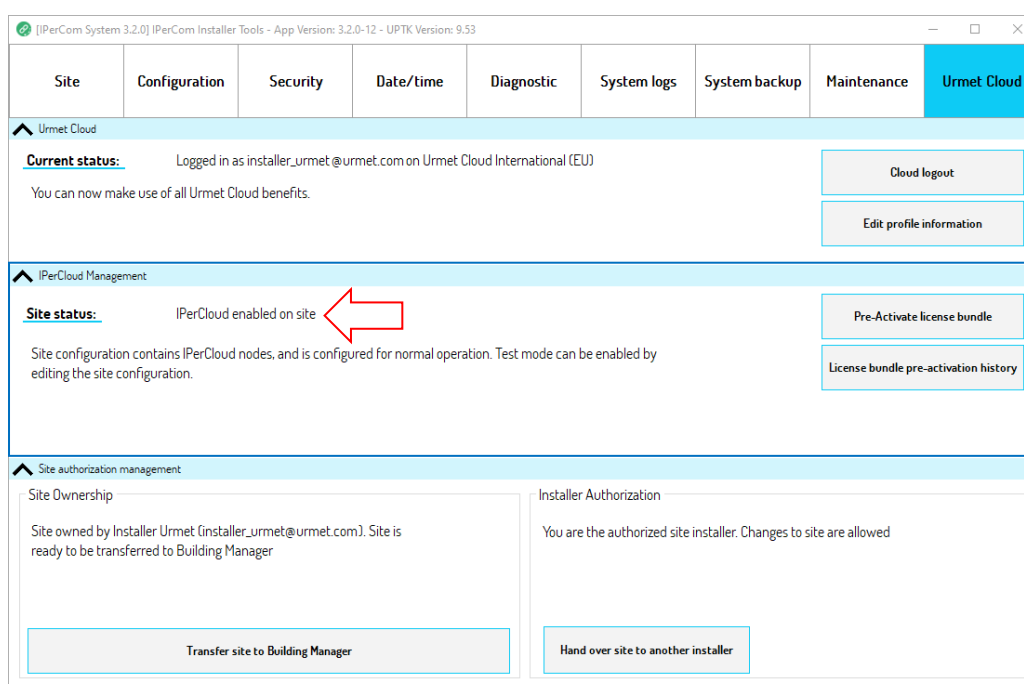


Figure 172: access to the Urmnet cloud with opening a project, connection to the plant site and at least one IPerCloud node

The **Urmnet Cloud** and **Site authorization management** sections do not show any changes.

The **IPerCloud Management** section (blue box) shows the indication “IPerCloud enabled on site”: this means that one or more IPerCloud nodes have been detected.

Therefore, regardless of whether IPerCloud nodes are present or not, after opening a project and connecting to the plant site (with aligned configuration) it is possible to:

- transfer the site ownership from an installer to a building manager for configuring the call forwarding function,
- transfer the site ownership from one installer to another installer.

These two features will be described in the next paragraph [Site authorization management](#).

#### 7.9.1.4 Site authorization management

The **Site Authorization Management** allows (in the ways described below) to:

- transfer the site ownership from an installer to a building manager (for generating letters in pdf format for the call forwarding function),
- transfer the site ownership from one installer to another installer,



*The figure of the installer and the building manager guarantees high safety for the system.*



*For the “Single Stair”, “Multiple Stairs” and “Multiple Block” system models, it is recommended to have an installer and a building manager, as reported below; for further details on the system types see the paragraph [Selecting the system topology \(model\) and the configurator structure](#).*

##### 7.9.1.4.1 Transfer of the ownership of the site from installer to a building manager

If the ownership of the site is transferred to the building manager, this means that the installer has completed the configuration part of the system via *IPerCom Installer Tools* and consequently the building manager can generate the letters in pdf format via the *CallMe Manager* application for call forwarding function.



*After creating an initial configuration, the installer must apply it to the system so that the building manager can correctly see what the installer has done on the *CallMe Manager* application; this also applies if other changes are made after an initial configuration.*

To start the ownership transfer procedure, the installer must press the “Transfer site to Building Manager” button in the section **Site authorization management** ---> **Site Ownership**:

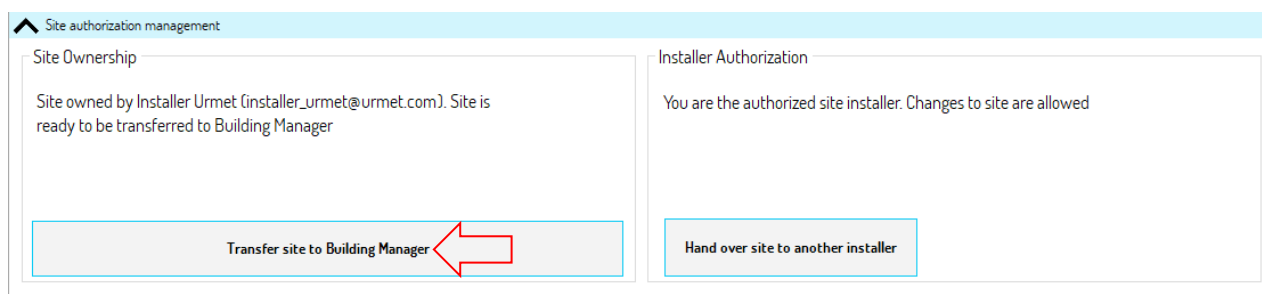


Figure 173: button to transfer site ownership to the building manager

Pressing this button, the following dialog box is shown:

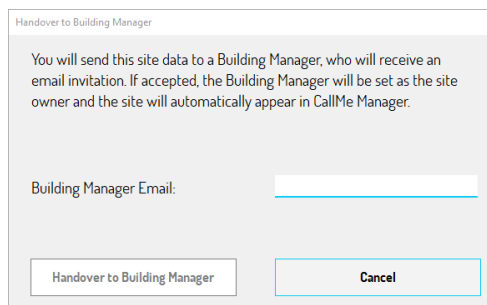


Figure 174: dialog box to transfer the site to the building manager

It is necessary to enter the e-mail address that the building manager previously communicated to the installer:

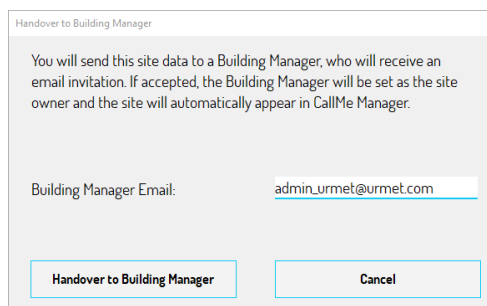


Figure 175: building manager email entered

Pressing the “*Handover to Building Manager*” button, an invitation e-mail is sent to the building manager and the correct outcome of the operation is confirmed by the following dialog box:

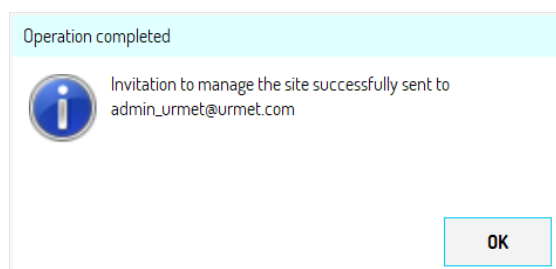


Figure 176: correct outcome of the invitation to the building manager

The content of the email sent to the building manager appears as follows:

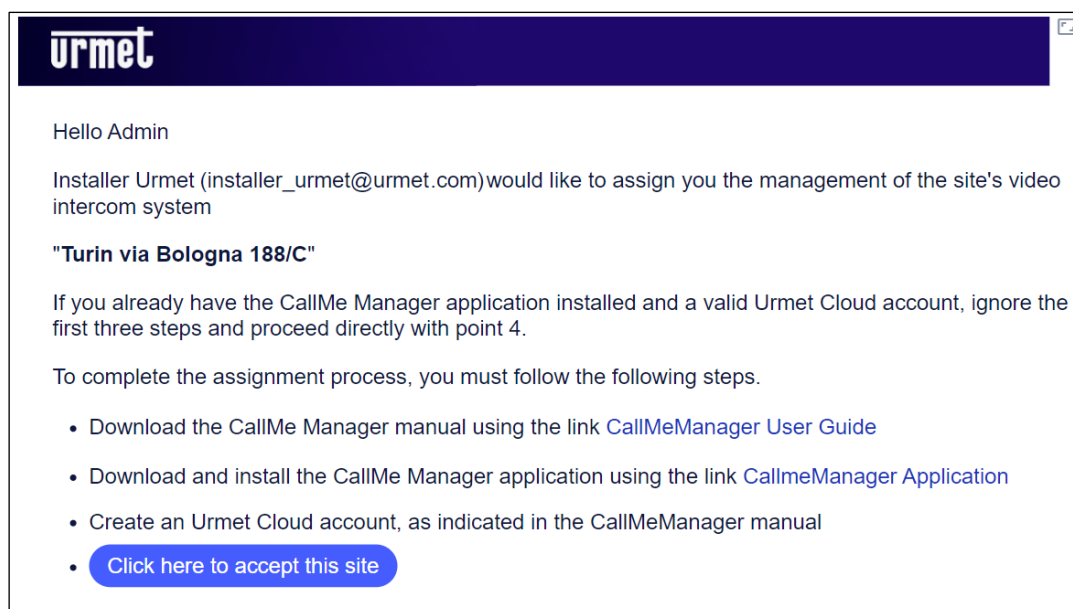


Figure 177: content of the email sent to the building manager

It is necessary that the e-mail address communicated by the building manager is associated with an Urmet Cloud account through registration on the *CallMe Manager* application. If this is not the case, from the content of the same e-mail it is possible to download the *CallMe Manager* application and the related manual, then install the application on your PC and create an Urmet Cloud account (using the e-mail address communicated to the installer).



*If the e-mail address communicated by the building manager is already associated with an Urmet Cloud account, the name of the building manager entered when creating the account appears at the top of the email content (green arrow); otherwise, the email address will appear.*

After sending the invitation e-mail, the following screen appears in the Urmet Cloud tab of *IPerCom Installer Tools* relating to the section **Site Authorization Management** ---> **Site Properties**:

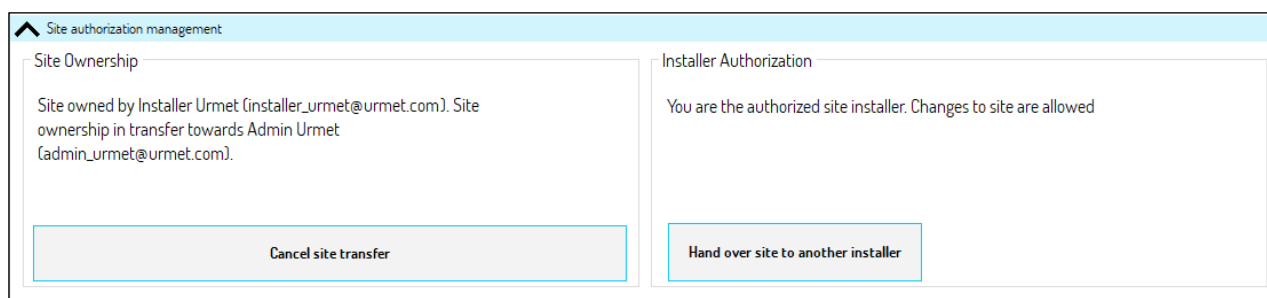


Figure 178: invitation not yet accepted by building manager

At this point there are 2 possibilities listed below.

#### THE BUILDING MANAGER ACCEPTS THE INVITATION

In the invitation email the building manager presses the link highlighted in blue at the bottom of the content of the same email to confirm the site transfer operation:

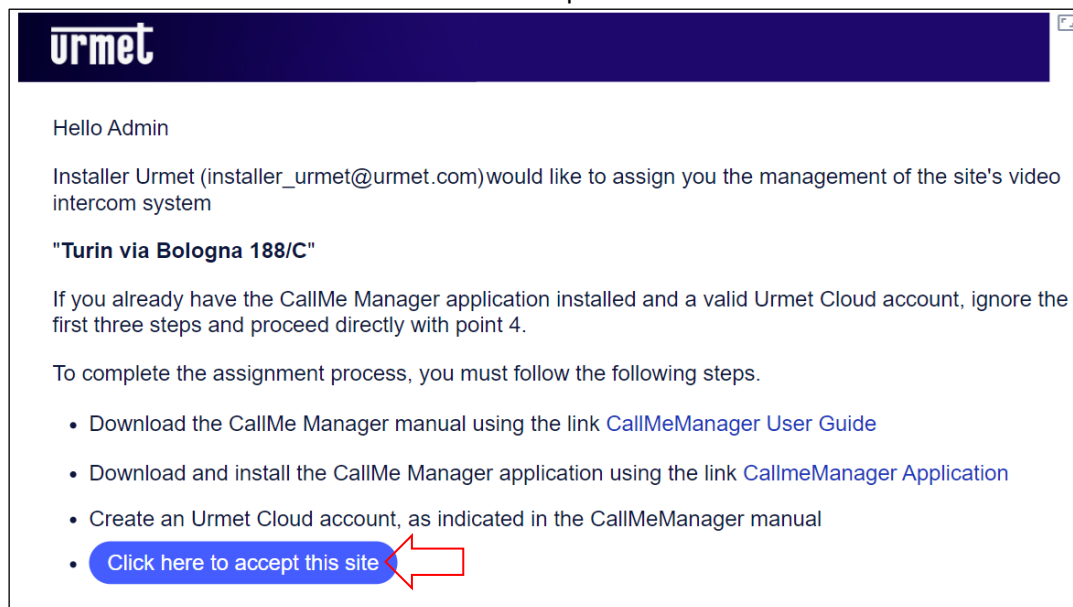


Figure 179: link to accept the transfer of ownership of the site

The installer receives a notification via email that the building manager has accepted the transfer of ownership of the site.

In *IPerCom Installer Tools* the transfer of site ownership is notified as follows (green box):

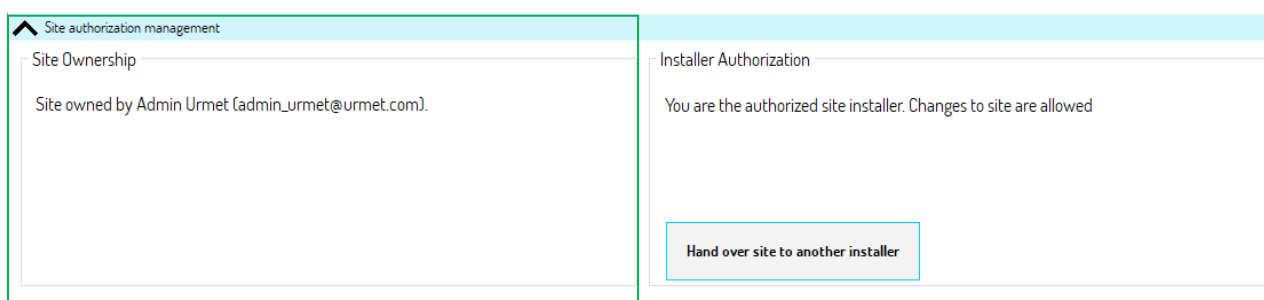


Figure 180: installer invitation accepted

Once the invitation has been accepted, the building manager, by accessing the *CallMe Manager* application, can view the acquired site and configure the call forwarding function (for further details see the paragraph [Configuring the call forwarding function in IPerCom systems in IPerCloud mode](#) or [Configuring call forwarding function with CallMe Manager application support](#)).



*When an installer creates a site, he is also the building manager and therefore, by authenticating on the CallMe Manager application with the same credentials with which he logged in to IPerCom Installer Tools, he can view the same site. After the transfer of ownership to the building manager, viewing on the CallMe Manager application will no longer be possible and the installer can only make changes to the configuration and distribute them to the system via IPerCom Installer Tools.*

In the case of IPerCom systems in IPerCloud mode, it is recommended to transfer the site to the building manager after the installer has assigned the licenses to the apartments: in this way, the building manager's only task will be (as in the case of systems without IPerCloud apartments) to print the letters for the end users for configuring call forwarding and not worry about associating the licenses with the apartments.



*If a building manager also wants to take care of associating the licenses with the apartments, the installer can transfer the site to him after completing the configuration, carrying out the test mode, and the pre-activating the licenses.*



*After transferring ownership of the site to the building manager, the installer can still make changes to the system configuration and apply them to the system itself and the building manager is able to view these changes on the CallMe Manager application.*



*Make sure that the configuration between the project and the plant site is aligned before transferring the site from installer to building manager. If this were not the case, the building manager would not see on the CallMe Manager application all changes made by the installer.*



*During the transfer, it is necessary that any apartment stations are installed in the apartments and connected to the system. If this were not the case, the apartments, whose apartment stations are not connected to the system, will not appear in the topological structure transferred to the building manager in the CallMe Manager application.*



*The 2Voice apartments do not appear in the topological structure displayed by the building manager in the CallMe Manager application.*

## THE INSTALLER CANCELS THE INVITATION

If the installer presses the “Cancel site transfer” button ([Figure 178](#)), the following window appears:

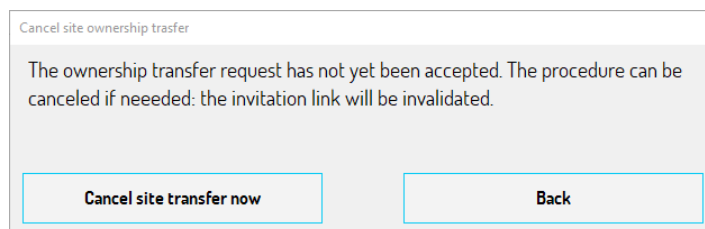


Figure 181: cancel of the transfer

The “Cancel site transfer now” button allows you to cancel the transfer request (only if the building manager has not already clicked on the site acceptance link). The correct outcome of the operation is confirmed by the following dialog box:

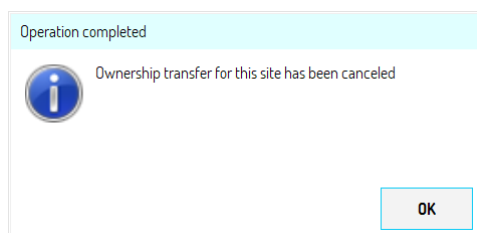


Figure 182: transfer cancelled

An email notifying the cancellation is sent to the building manager and on *IPerCom Installer Tools* the installer has the possibility to transfer the site again to another building manager.

### 7.9.1.4.2 Transfer of the property “Installer Authorization” to another installer

After logging in with your username and password on Urmet Cloud by means of *IPerCom Installer Tools*, the installer who created the project and its configuration **is the only installer authorized** to open the project, connect to the system, make changes to the configuration, and apply it to the system.

It may happen that the authorized installer needs to have another installer work on the project he created. The way to proceed would be as follows:

## AUTHORIZED INSTALLER

- Log in on Urmet Cloud by means of *IPerCom Installer Tools*,
- Open the project by means of “Open” button,
- Export the project by means of “Export” button,
- Send the exported project (gz file) via email (or otherwise) to another installer (not authorized).

## ANOTHER INSTALLER

- Log in on Urmet Cloud by means of *IPerCom Installer Tools*,
- Import the project by means of “*Import*” button,
- Open the project by means of “*Open*” button.

As soon as the project is opened via the “*Open*” button, the following message is displayed by *IPerCom Installer Tools*:

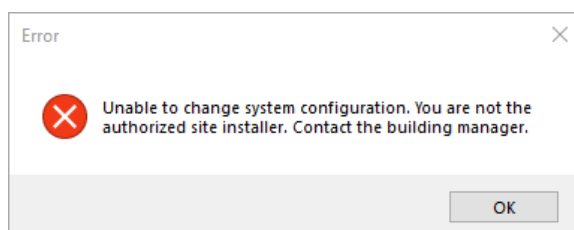


Figure 183: opening a project by a not authorized installer

In fact, for security reasons, only the installer who created the project and its configuration is authorized to make changes to the project itself, then connect to the system and distribute the configuration.

For the above procedure to work, you need to do the following first: the “*authorized*” installer must transfer its authorization to another installer via the “*Hand over site to another installer*” button in the **Site authorization management** ---> **Installer Authorization** section:

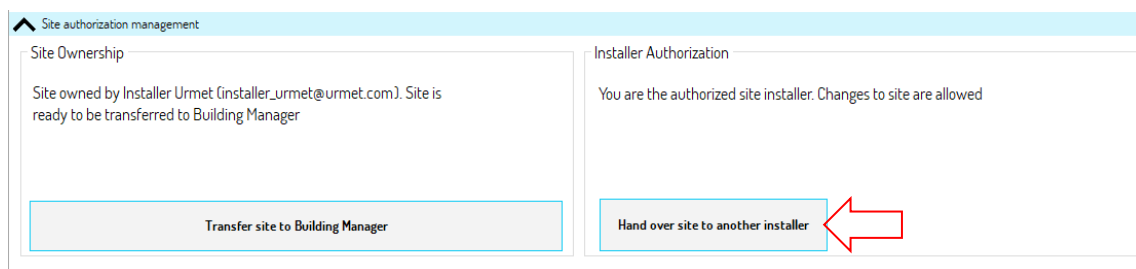


Figure 184: transfer to another installer

The transfer methods are the same as those seen for transferring the site from an installer to a building manager, that is an invitation is sent via e-mail from the old installer to the new installer, who must accept the invitation.

**The only difference is that in this case the new installer's email address must already be associated with an Urmet Cloud account by means of *IPerCom Installer Tools*.**

When the new installer accepts the invitation by pressing the relevant link, he will be the only one able to make changes to the system.

After transferring the ownership of “*Installer Authorization*” to another installer, the error reported in [Figure 184](#) does not appear anymore and the other installer can open the project, connect to the system, make changes to the configuration, and apply it to the system.

On the other hand, the former authorized installer will no longer be able to open the project.

The “*Hand over site to another installer*” button has two operating modes depending on whether the site has already been transferred to a building manager or not.

#### SITE NOT YET TRANSFERRED TO A BUILDING MANAGER

If the site has not yet been transferred to a building manager, the installer who created the project is also the site building manager: this means that the installer, by authenticating on the *CallMe Manager* application with the same credentials with which he logged in to *IPerCom Installer Tools*, is able to view the site. In this situation the “*Hand over site to another installer*” button displays the following dialog box:

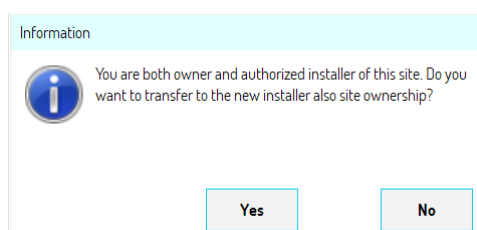


Figure 185: dialog box following transfer to another installer

In practice, it is possible to choose whether to transfer only the ownership of installer to the new person (“No” button) or also that of building manager (“Yes” button).

By pressing the “Yes” button, a window appears where you can enter the e-mail address through which to invite the new building manager/installer. Once the invitation has been accepted, the new installer will be not only the installer but also the building manager, while the old installer will be notified that he will no longer be able to make changes to the system.

The content of the e-mail will be of this type:

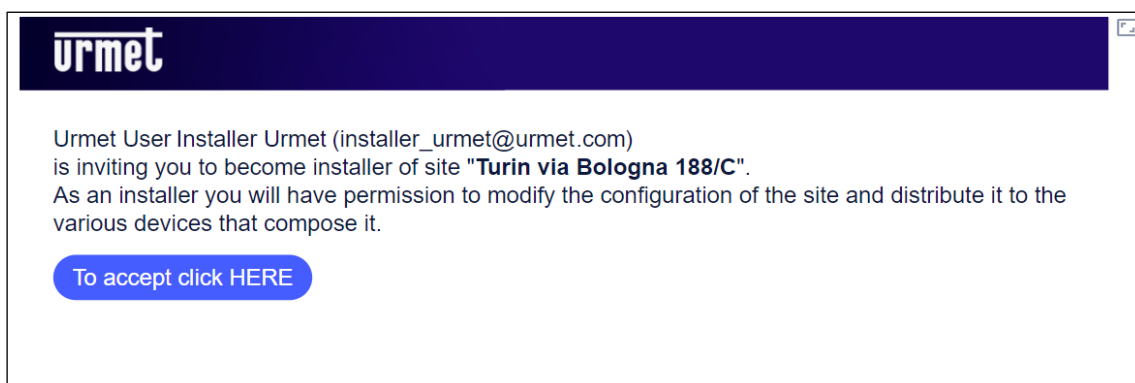


Figure 186: content of the email sent to the new installer

To accept the invitation, you need to press on the link highlighted in blue.

After that “*installer\_1\_urmet*” transfers the building manager and installer properties of the site to “*installer\_2\_urmet*” and “*installer\_2\_urmet*” accepts the invitation, when “*installer\_1\_urmet*” connects to the same system, *IPerCom Installer Tools* shows the following message:

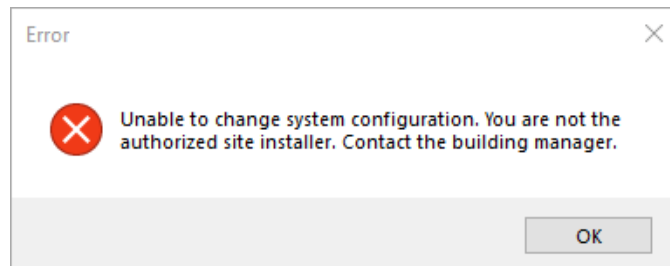


Figure 187: *IPerCom Installer Tools* notifies that the installer is not authorized to make changes to the system

As you can see, “*installer\_1\_urmet*” is no longer authorized to make changes to the plant site. On the contrary, “*installer\_2\_urmet*” is the new building manager/installer of the system as shown below:

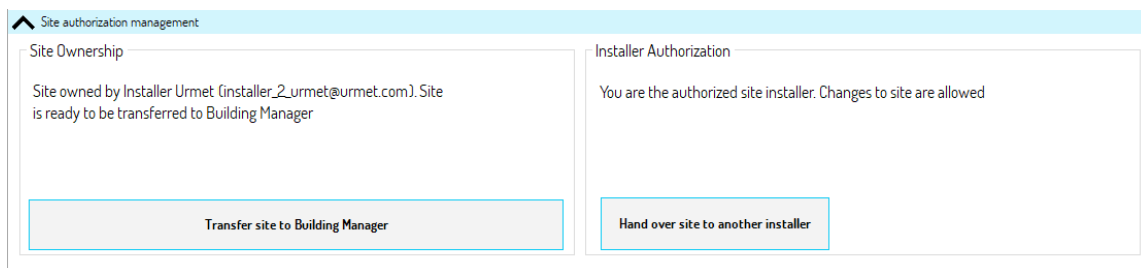


Figure 188: site transferred to another building manager/installer

This means that “*installer\_2\_urmet*” can make changes both through the *IPerCom Installer Tools* application (to modify the system configuration) and through the *CallMe Manager* application (to configure the call forwarding function).

However, if you press the “No” button in [Figure 185](#), the procedure remains identical to what is reported above with the only difference that the new installer will not have building manager functions. For example, if “*installer\_1\_urmet*” transfers only installer ownership of the site to “*installer\_2\_urmet*” and “*installer\_2\_urmet*” accepts the invitation, when “*installer\_1\_urmet*” connects to the same system, *IPerCom Installer Tools* shows the following message:

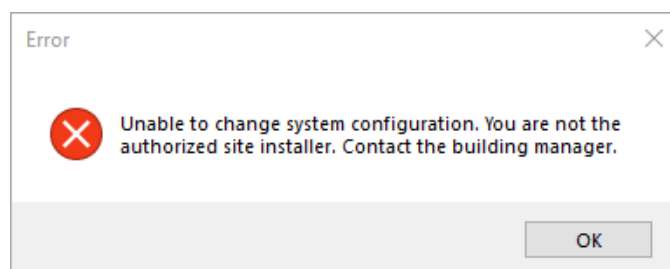


Figure 189: *IPerCom Installer Tools* notifies that the installer is not authorized to make changes to the system

As you can see, “*installer\_1\_urmet*” is no longer authorized to make changes to the plant site. On the contrary, “*installer\_2\_urmet*” can make changes to the plant site but is not its building manager:

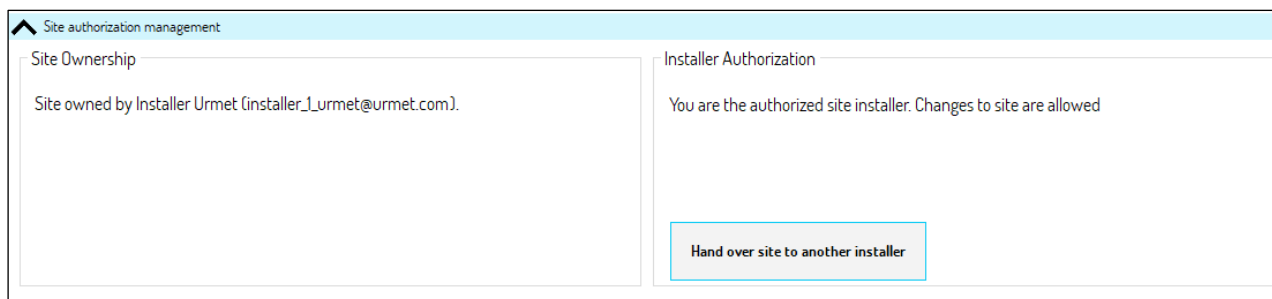


Figure 190: Urmet Cloud user as site installer without building manager ownership

This means that “*installer\_1\_urmet*” can make changes via the *CallMe Manager* application to configure the call forwarding function while “*installer\_2\_urmet*” can make changes via the *IPerCom Installer Tools* application to change the configuration.



Even for the change of installer it is possible to cancel the transfer procedure, in the same way as for the transfer to building manager.

#### SITE ALREADY TRANSFERRED TO A BUILDING MANAGER

If the ownership of the site is transferred to the building manager, this means that the installer has completed the configuration part of the system using *IPerCom Installer Tools* and consequently the building manager can begin to configure the call forwarding function via the *CallMe Manager* application.

For example, if “*installer\_urmet*” transfers the site to the building manager “*admin\_urmet*” and “*admin\_urmet*” accepts the invitation, the following appears in the “*Urmet Cloud*” tab of *IPerCom Installer Tools* (the login to Urmet Cloud was done with the user “*installer\_urmet*”):

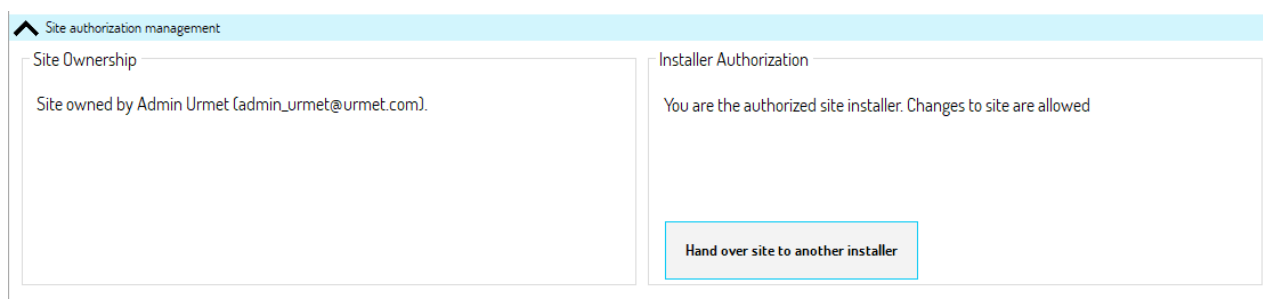


Figure 191: transfer site to the building manager

In this case pressing the button *“Hand over site to another installer”* the following window appears:

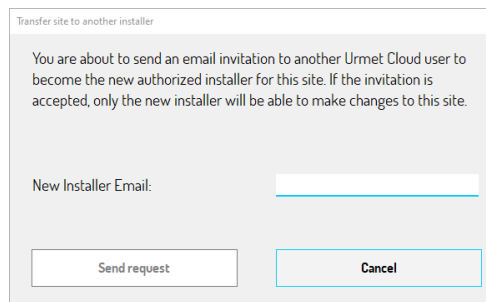


Figure 192: window to transfer the site to another installer

In this case, only the ownership of installer is transferred to the new subject and not that of building manager which remains with the subject *“admin\_urmet”*; on the contrary, the *“admin\_urmet”* subject will only have the ownership of building manager and not that of installer, therefore he will be able to make changes to the site only via the *CallMe Manager* application.



*It is important to note that transferring ownership of “Installer Authorization” from one installer to another does not also transfer the related project in IPerCom Installer Tools. To work on the newly transferred project, the new installer must follow one of the two procedures below:*

- *connect to the system via IPerCom Installer Tools with a new project with “System ID” equal to zero and import the configuration via button “From system” (for further details see paragraph [Importing configuration files with different IDs](#));*
- *receive the .gz file (previously exported) from the old installer and import it via the “Import” button (for further details see paragraph [Import a project on another PC](#)).*

#### 7.9.1.5 IPerCloud Test Mode

The IPerCloud test mode is useful to check that the call from any calling station arrives correctly at an IPerCloud test apartment (that is, the call arrives to *CallMe* app). In this way the installer avoids to purchase specifically a license bundle to carry out installation tests (thus also avoiding the procedure of pre-activating the license bundle, transferring the site to a building manager, activating the license bundle, assigning a license to an apartment, and printing the letter).



*The IPerCloud test mode must be enabled from the "System" tab of the configurator (see [Call Forwarding Settings](#)).*



*Once enabled, it is necessary to have at least one apartment in IPerCloud mode in the configurator, for the **IPerCloud Management** section of the "Urmeter Cloud" tab to display the relevant test mode button.*



*It is possible to activate the IPerCloud test mode only if all the requirements for creating an IPerCom system in IPerCloud mode are met on the system. For all details see paragraph [System IPerCom in IPerCloud mode](#).*

Therefore, if the test mode has been enabled in the *configurator* and if there is at least one IPerCloud apartment in configuration, the **IPerCloud management** section of the "Urmet Cloud" tab appears as shown in the figure (red box):

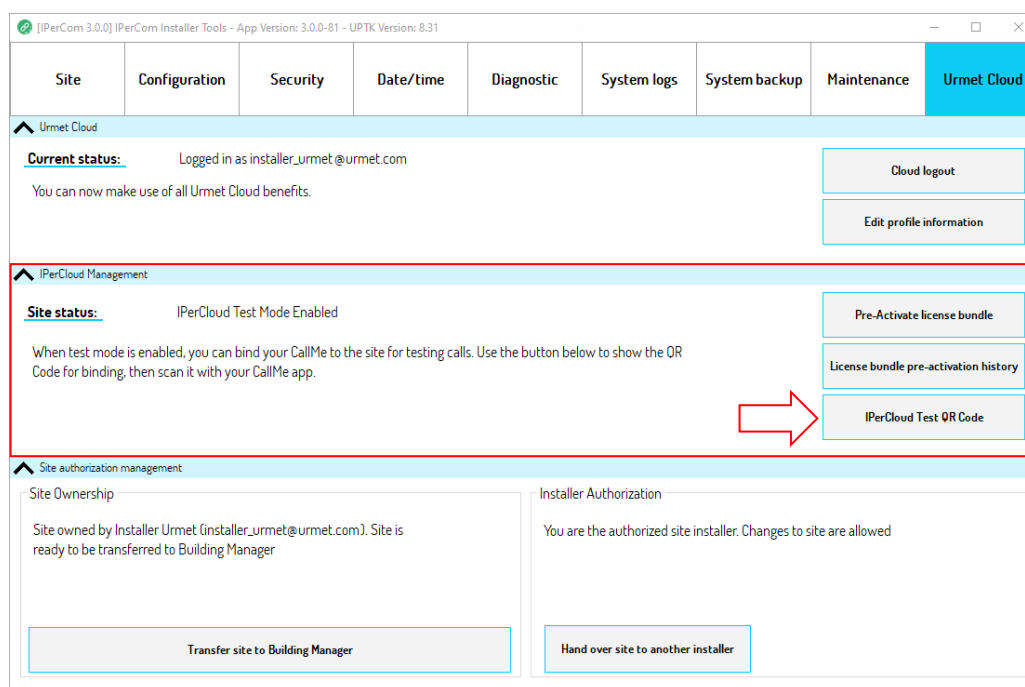


Figure 193: IPerCloud test mode enabled

To carry out the IPerCloud test mode, the installer must have downloaded, installed, and started the *CallMe* app on his smartphone/tablet.



The fundamental steps for carrying out the test mode with the *CallMe* app will be shown below. For all more detailed information relating to the use of the *CallMe* app see the related [booklet](#) on site [www.urmet.com](http://www.urmet.com).

To use the *CallMe* app, simply log in with the same account used on *IPerCom Installer Tools*. Once logged in, this screen appears:

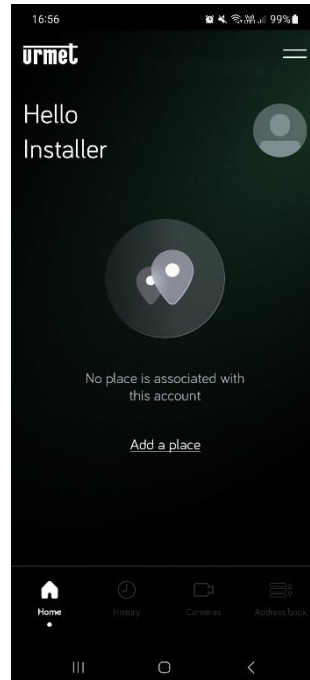


Figure 194: *CallMe* app home page

Pressing the “*Add a place*” button the following screen appears:

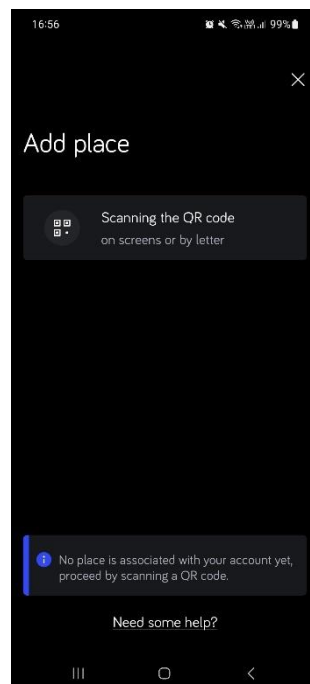


Figure 195: *add of a place*

Press the “*Scanning the QR code*” button to start the QR code reader application.

Then press the “*IPerCloud Test QR Code*” button displayed on *IPerCom Installer Tools*. The following screen appears:

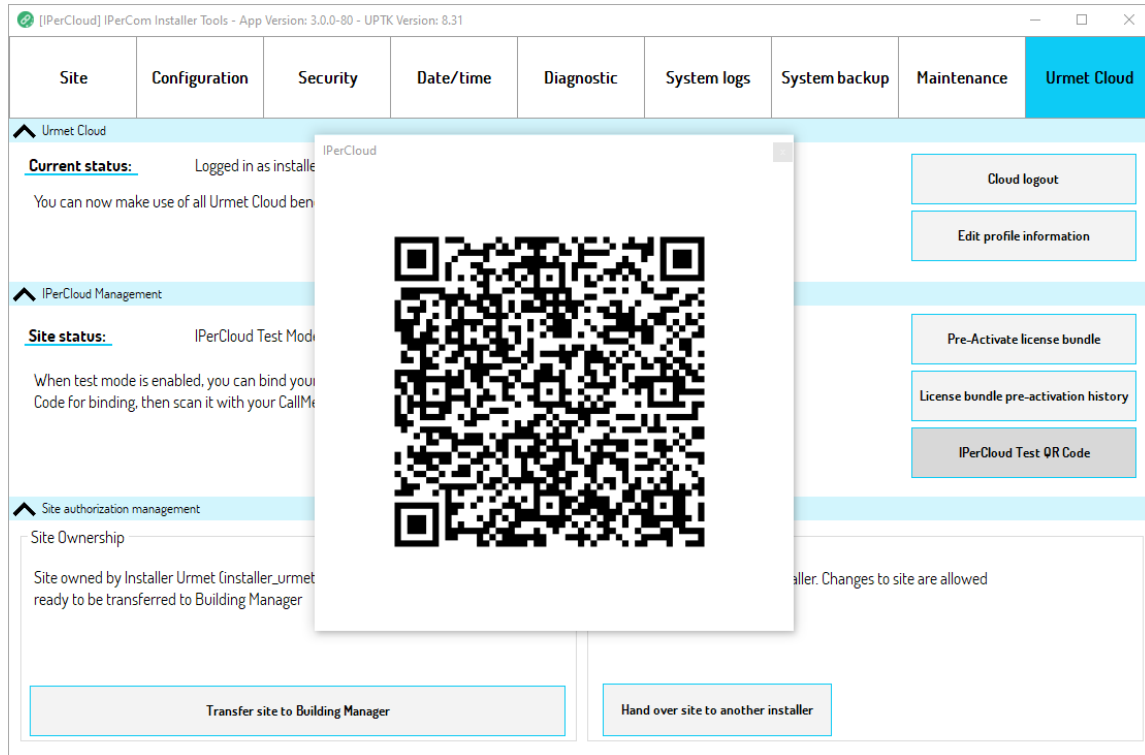


Figure 196: scan of QR code in test mode

Then with app *CallMe* scan the QR code displayed on the PC where the *IPerCom Installer Tools* application is installed. After scanning the QR code, the following screen will appear on your smartphone/tablet to indicate that the place has been added correctly:

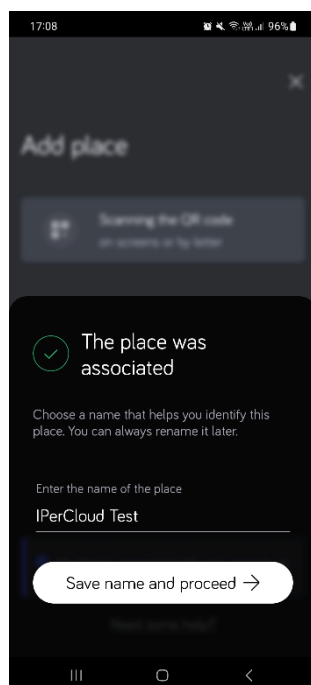


Figure 197: place added

The default name given to the place is “*IPerCloud Test*” but it is possible to rename it (even later): at this point the *CallMe* app has been associated with a (not real) *IPerCloud* test apartment. The installer can therefore make a call from any calling station to the *IPerCloud* test apartment: in fact, on all calling stations with display the relevant address books show only the name “*IPerCloud Test*” while calling stations with buttons call the “*IPerCloud Test*” apartment (from any button).



*Address books present on the calling stations with displays will appear again after disabling the test mode from the configurator.*

In test mode the installer can only do the following:

- call the test *IPerCloud* apartment from any calling station,
- check that the call arrives to the *CallMe* app;
- answer the call by checking the correct presence of audio and video;
- open the doors (main door and gate) only during conversation;
- auto-on on calling stations.

The test mode can therefore be considered passed if the points listed above work correctly.



*In test mode from the CallMe app it is not possible to open the doors (main door and gate) outside of a call and it is not possible to activate any user activation.*

## 7.9.2 Security

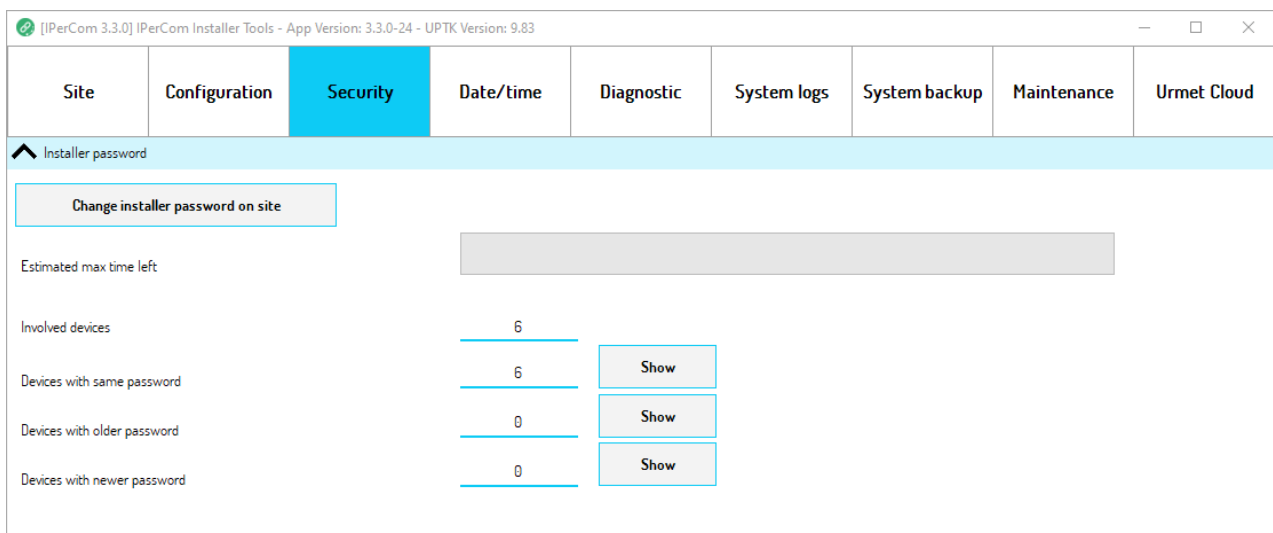
The “Security” tab allows you to change the installer password. This is entered the first time when creating the configuration of a new project (see paragraph [Selecting the system topology \(model\) and the configurator structure](#)).

Therefore, changing installer password can be useful when:

- the installer no longer remembers the password entered when creating the configuration;
- the building manager replaces the old installer with a new one and the latter needs to enter a new password.

The installer password change does not require to enter the old password.

Pressing the “Security” tab, the screen that is displayed is as follows:



The screenshot shows the 'Security' tab in the iPerCom Installer Tools application. The interface includes a top navigation bar with tabs: Site, Configuration, Security (active), Date/time, Diagnostic, System logs, System backup, Maintenance, and Urmet Cloud. Below the navigation bar, the 'Installer password' section is visible. It contains a button 'Change installer password on site'. Below this button, there is a progress bar for 'Estimated max time left'. Further down, there are four rows of data showing the number of devices with specific password characteristics, each with a 'Show' button:

Category	Count	Action
Involved devices	6	
Devices with same password	6	Show
Devices with older password	0	Show
Devices with newer password	0	Show

Figure 198: “Security” tab

How to change the installer password is now described in detail.

### 7.9.2.1 *Modifying the installer password*

To change the installer password, press the "Change installer password on site" button (red arrow):

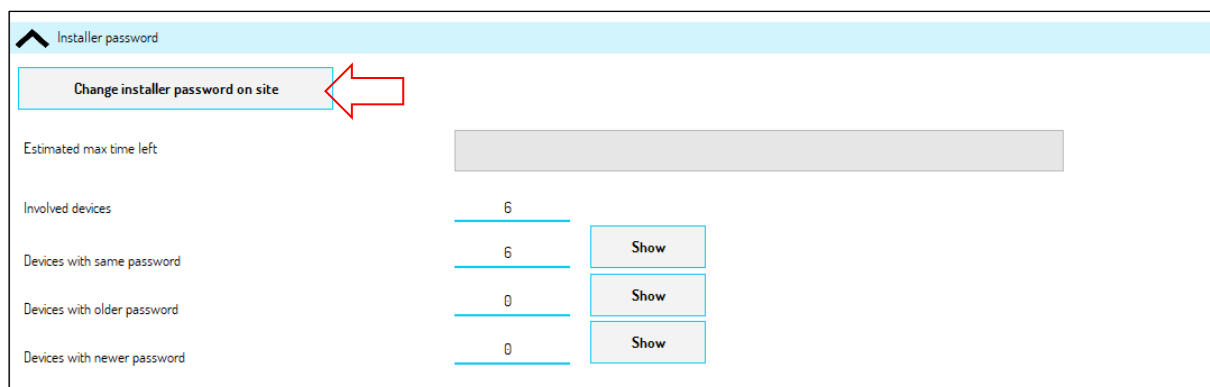


Figure 199: modifying the installer password

A screen is displayed where it is possible to enter the new password:

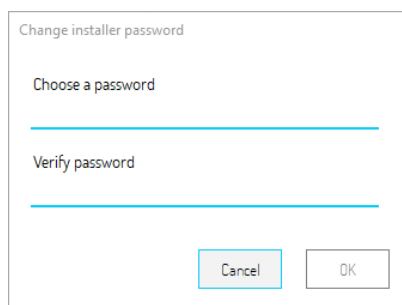


Figure 200: entering the new password

After entering the new password and pressing the "OK" button, it is possible to check in real time that the installer password change process is correctly performed. Once the procedure is complete, the following screen is displayed:

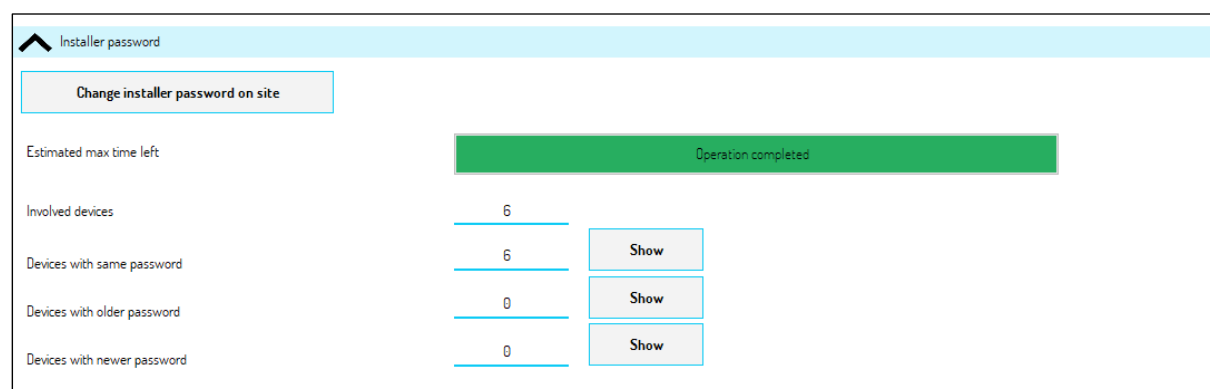


Figure 201: installer password modification successfully performed



*The installer password update does not affect devices such as Lift Interface, Relay Actuator, Key Readers, RTSP Cameras, IPassan Controller and iPerTAlk Server.*



*The installer password is requested every time it is necessary to modify the configuration file of an IPerCom system through the configurator.*

### 7.9.3 Date/Time

The “Date/Time” tab allows you to:

- set date and time of the PC on the IPerCom system;
- obtain the IPerCom system date and time.

#### 7.9.3.1 Configuring date and time from PC

If you want to apply the date and time from PC to the IPerCom system, press the “Set date and time” button (red arrow):

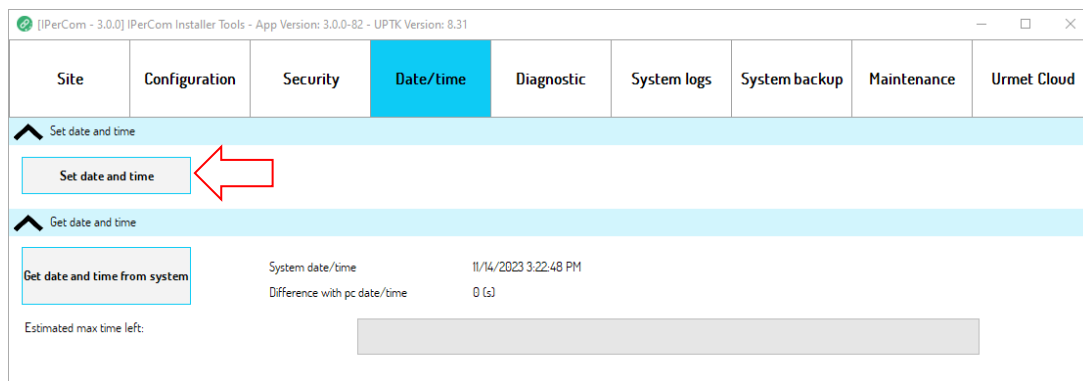


Figure 202: “Date/Time” tab - date/time setting of the PC on the system

You are prompted to confirm the operation as shown below:

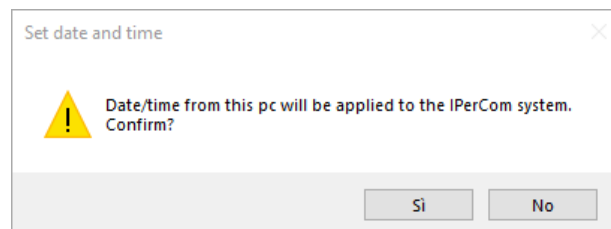


Figure 203: confirmation window for date/time alignment operation

After pressing the “Yes” button, the date and time are applied to the IPerCom system.

The correct date and time application is indicated by a confirmation message:

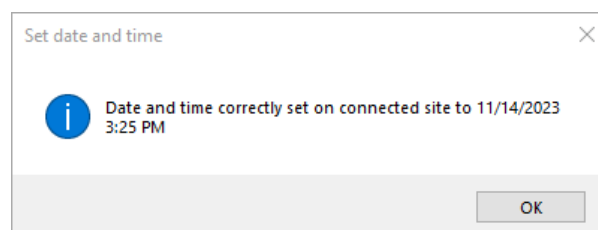




Figure 204: date/time alignment successfully performed

 For proper system operation, the date and time of the IPerCom system must be correctly configured. On a system installed but not configured, before applying the configuration associated to the project to the system, it is necessary to set the date and time with the "Set Date/Time" button, as explained in paragraph [How to set date and time on the system](#). If date and time are not set via IPerCom Installer Tools and the configuration associated to the project is still applied to the system, it is necessary to configure date and time of the system from the MAX, VOG<sup>7</sup> or Basic video door phones.

 If the configuration associated to the project is applied to the system but it is made with a date and time incorrectly set in the future (i.e. later than the current date), after setting the date and time correctly, any changes to the configuration associated to the project will never be applied to the system, because IPerCom devices do not accept a configuration with a modification date older than the one they already contain. For this reason, the correct date and time configuration is essential when commissioning a system. In [APPENDIX H: Date and time incorrectly set in the future](#) it explains how to solve the problem.

### 7.9.3.2 Obtaining date and time from IPerCom system

To obtain the date and time updated from the IPerCom system, it is necessary to press the "Get date and time from system" button. The date and time displayed and their difference in seconds compared to those of the PC refer to the time when the connection is made on the system.

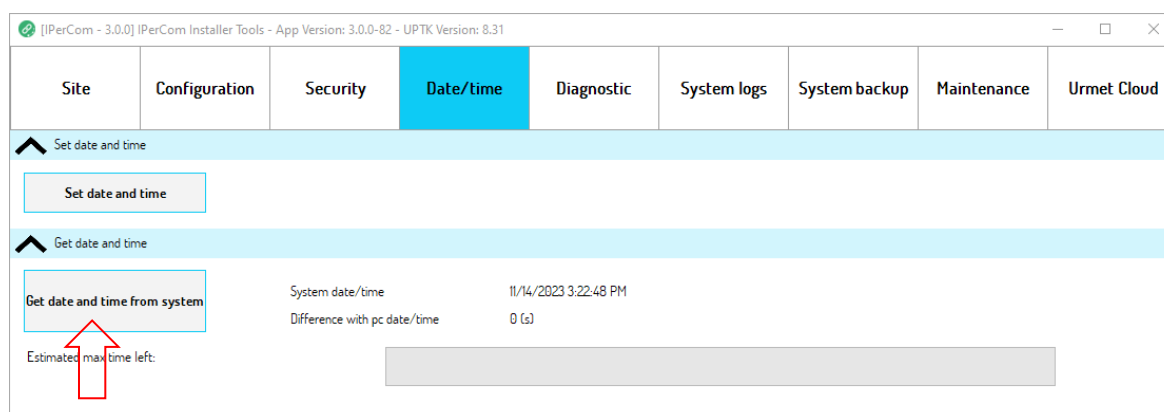


Figure 205: "Date/Time" tab - date/time request from system

Now it is possible to check the status of the procedure in progress in real time:

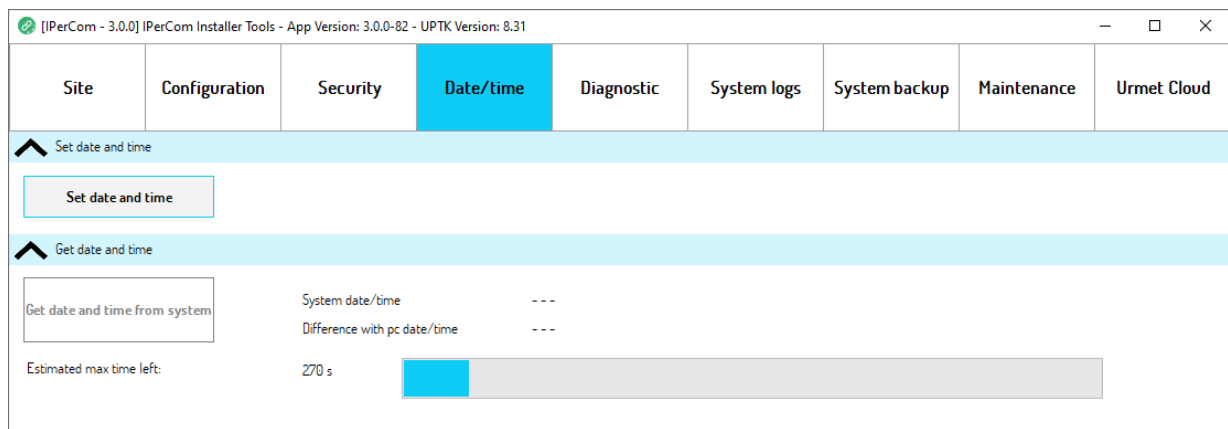


Figure 206: date/time request in progress

At the end of the procedure, a screen with the date and time detected and any difference with the date and time of the PC (in seconds) is displayed:

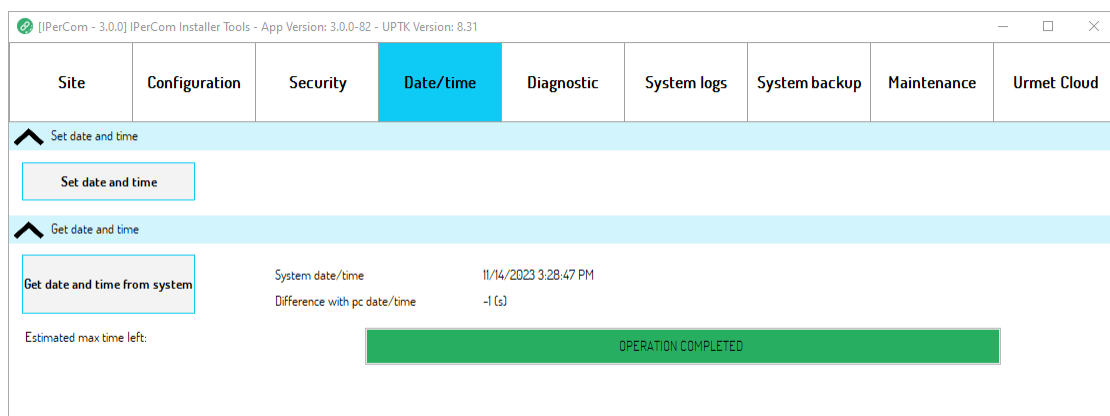


Figure 207: date/time request completed



If the date and time difference between PC and system is greater than 60s, iPerCom Installer Tools signals the anomaly automatically with the following message:

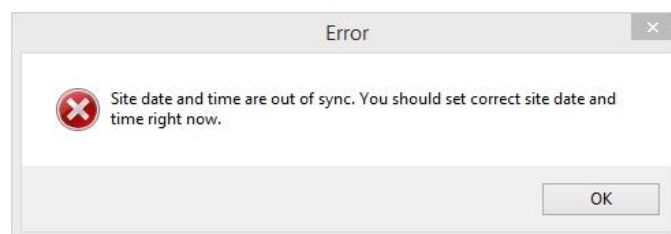

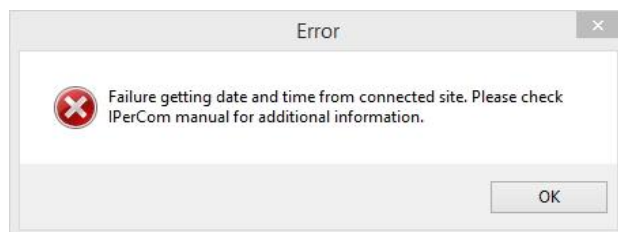



Figure 208: incorrect date and time

 If "Request Date/Time from the system" button is pressed on a system where date and time have not yet been configured, the procedure shows the following message:



*Figure 209: error to obtain dates and times from the system*

 The system must have configured date and time to request them correctly. To set the date and time correctly, press the "Set Date/Time" button.

## 7.9.4 Diagnostics

The “Diagnostic” tab allows you to easily understand if all the devices in the system are working regularly or if there are problems of various types (connection, firmware alignment or other). The screen displayed is as follows:

Device name	Model	Firmware version	UPTK version	MAC address	IP Address	Configured on	Mode	Reachable	Aligned	Configured	Autotest ok	Locked
Stair 0101/Ca_	1060.13	3.3.0-IL_u9.83	9.83	00:1E:E0:02...	192.168.88.187	5/16/2025 4...	Server-man...	Yes	Yes	Yes	Yes	Yes
Apartment 0_	17174LA64	3.3.0_VER_0_...	9.83	00:1E:E0:03...	192.168.88.191	5/16/2025 4...	Server-man...	Yes	Yes	Yes	Yes	Yes
Apartment 0_	176131	3.3.0_VER_0_...	9.83	00:1E:E0:05...	192.168.88.190	5/16/2025 4...	Server-man...	Yes	Yes	Yes	Yes	Yes
Stair 0101/Se_	1060.1	3.3.0_7	9.83	C4:00:AD:3F...	192.168.88.192	5/16/2025 4...	Server-man...	Yes	Yes	Yes	Yes	Yes

Figure 210: “Diagnostic” tab

The following information is detailed for each device:


Column Name	Meaning
Device Name	Name assigned to the device in the configurator
Model	Device product data sheet
FW version	Device firmware release
UPTK version	Device UPTK version (software development platform)
MAC Address	Device MAC address
IP	Device IP address
Configured on	Date of the last update of the device configuration file
Mode	If the device works in server mode or without server
Reachable	Whether the device is reachable or not
Aligned	Whether the device is aligned with the UPTK version of <i>iPerCom Installer Tools</i> or not
Configured	Whether the device is configured or not
Autotest OK	Whether the device is working or not. <u>The function is only active for Server 1060/1 and Modular Entry Panel with 1060/48. If there are any problems, the NO value is signalled and the  button is enabled to provide more information about the problem.</u>
Locked	<u>Starting from 3.3.0 version, all devices must be always locked.</u>

Table 9: columns shown in tab Diagnostic and their meaning



*Devices Lift Interface, Relay Actuator, Key Reader, IPassan Controller and iPerTALK Server do not recognise the operating mode “with server” or “without server” and similarly do not recognise whether a system is blocked or not. Therefore, for these devices the column “Locked” and “Mode” are marked with “---”.*



*RTSP cameras are not shown in the “Diagnostics” tab because they are not iPerCom devices.*

The icons in the red box are active depending on the selected device. The operation of each icon is explained below.










Icon	Name/Meaning
	<b>Get UPS info:</b> It allows you to obtain information on the UPS (uninterruptible power supply) status, including the percentage of battery charge and autonomy time. The button is enabled only if the selected device is a <i>Server 1060/1</i> .
	<b>Error details:</b> It allows you to obtain information about possible errors regarding the selected device. The button is active only if the selected device ( <i>Server 1060/1</i> or <i>Modular Entry Panel with 1060/48</i> ) has errors ( <i>Autotest OK</i> field value to NO).
	<b>Erase configuration:</b> It allows you to delete the configuration on the selected device (through confirmation pop-up). The button is enabled on all devices except <i>IPassan Controllers</i> and <i>iPerTALK Servers</i> .
	<b>Factory reset:</b> it allows you to perform a factory reset of the device. The button is enabled on all the devices except <i>Lift Interface</i> , <i>Relay Actuator</i> , <i>Key Readers</i> , <i>IPassan Controllers</i> and <i>iPerTALK Servers</i> .
	<b>Ping device:</b> it allows you to check that the selected device is reachable from any PC connected to the IPerCom network. The button is enabled on all the devices except <i>Lift Interface</i> , <i>Relay Actuator</i> , <i>Key Readers</i> , <i>IPassan Controllers</i> and <i>iPerTALK Servers</i> .
	<b>Get date and time:</b> It allows you to get the date and time set on the device and for how long (in seconds) the device is reachable. The button is enabled on all devices except <i>Lift Interface</i> , <i>Relay Actuator</i> , <i>Key Readers</i> , <i>IPassan Controllers</i> and <i>iPerTALK Servers</i> .
	<b>Check device Internet connection:</b> it allows you to check whether the selected device is connected to the Internet. The button is enabled on all the devices except <i>Lift Interface</i> , <i>Relay Actuator</i> , <i>Key Readers</i> , <i>IPassan Controllers</i> and <i>iPerTALK Servers</i> .
	<b>Reboot device:</b> it allows you to restart the selected device. The button is enabled on all the devices except <i>Lift Interface</i> , <i>Relay Actuator</i> , <i>Key Readers</i> , <i>IPassan Controllers</i> and <i>iPerTALK Servers</i> .

Table 10: diagnostic icons and their meaning

The blue box, instead, contains:

- the number of devices connected to the system (whether they are in the configuration or not);
- a drop-down menu to filter the devices according to the "All" (default setting), "Operational" and "Not Operational" items. A device not operational is a device that is not reachable or not aligned or not configured or with autotest failed. A device operational is a device that is reachable, aligned, configured and with autotest not failed;
- a text box to filter in the table the devices whose name or MAC address contains the text typed (the table updates as soon as you enter a text);
- the  button to export the information in the diagnostic table to a csv file.



For a correct display of the csv file, it is necessary to open Excel, go to the "Data" tab, press the "From text" icon, select the exported file and press "Import". You must now select "65001" as the character encoding: Unicode (UTF-8)" and the character "comma" as text delimiter.

### 7.9.5 System Logs

The “*System Logs*” tab allows you to record in a log a set of events related to the operation of an IPerCom system. To display the complete log with all its functions, it is necessary that at least one *Server 1060/1* is present on the system.

If this condition is verified, after opening a project associated with a system, connecting to the system, and checking that the configuration is aligned, the “*System logs*” tab is displayed as shown below:

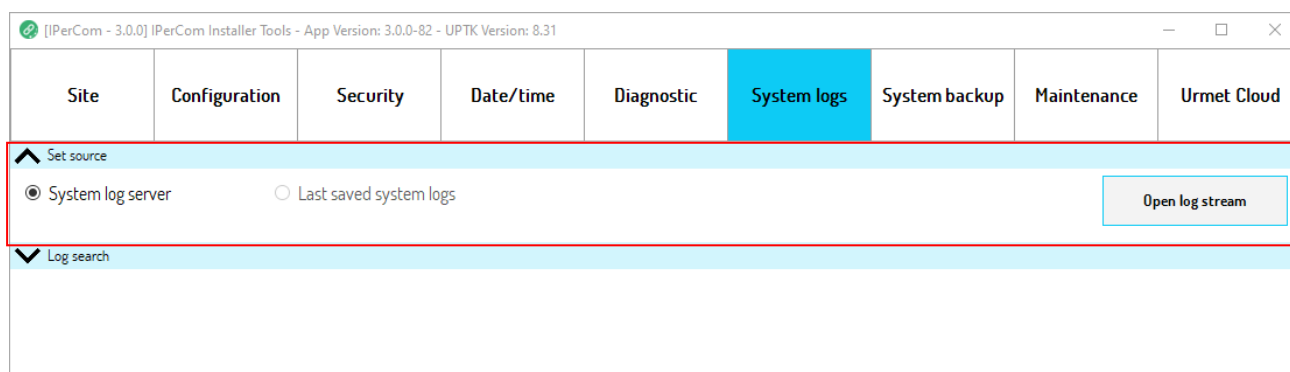


Figure 211: “*System Logs*” tab (if a *Server* is in the system)

The red box (**Set Source** section) highlights that the source of the System Logs is *Server 1060/1*, renamed as **System log server**.

If, in fact, there is no *Server 1060/1* in the system and therefore no event source, the “*System logs*” tab is shown as in the figure below:

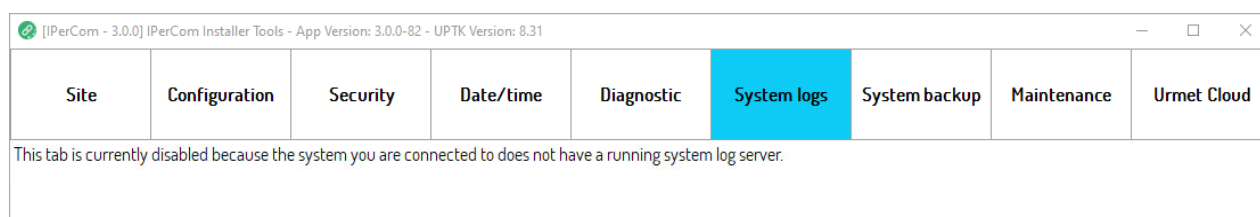


Figure 212: “*System Logs*” tab (if no *Server* is in the system)

If there are more than a *Server 1060/1* in the system, the System Logs display is obviously independent of the *Server* chosen by the system as source (of System Logs) and is done by pressing the “*Open System Logs*” button.

The screen displayed (after a set of processing) is as follows:

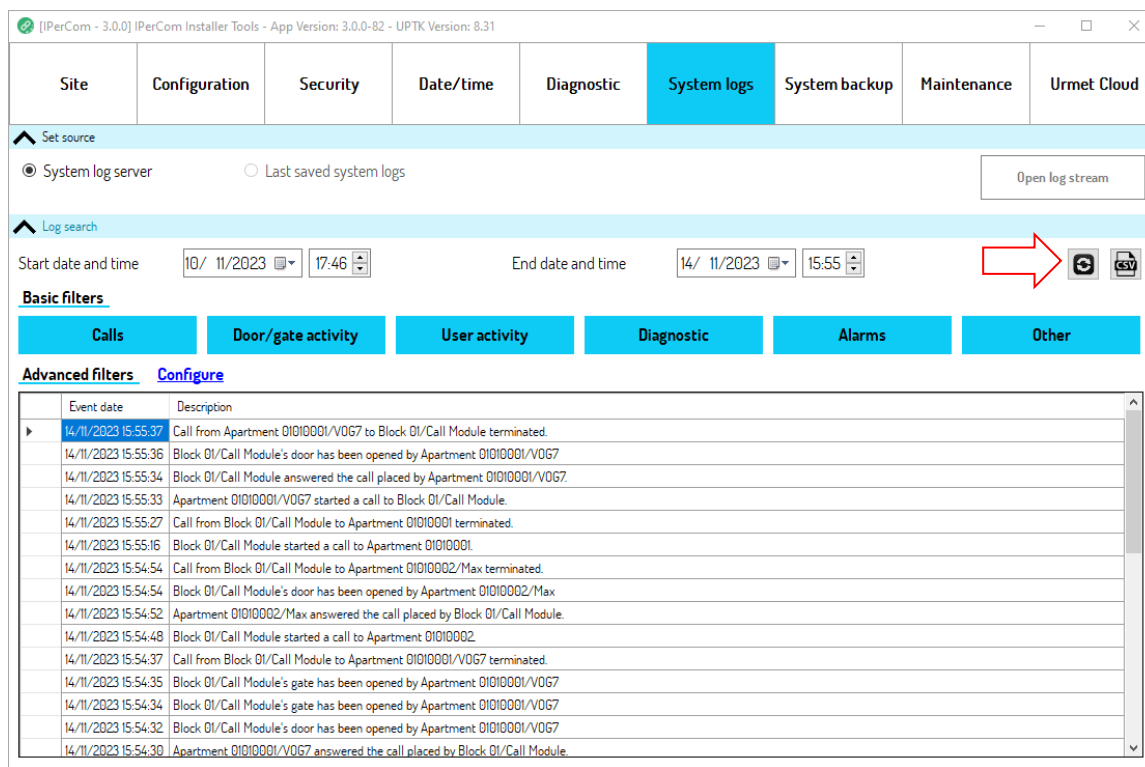






Figure 213: displaying the System Logs (static mode)

The figure above shows the **static** operation mode of the System Logs, i.e. a static representation of the events is displayed over a time interval of one week from the current date. Press the  button (red arrow), to update the System Logs to the current time instant and download it again from the selected source.

Obviously, it is possible to vary the time interval to display events before one week from the current date.

The  button (red box) allows you to export the information in the System Logs to a csv file.

 For a correct display of the csv file it is necessary to open Excel, go to the **Data** tab, press the **From text** icon, select the exported file and press "Import". You must now select "65001" as the character encoding: Unicode (UTF-8)" and the character "comma" as text delimiter.

 The maximum default number of recordable events is set to 10,000. When this number is reached, the oldest events are deleted. The number of recordable events can be changed for special needs up to a maximum of 100,000. This value can be changed from the IPerCom configurator (see the relevant paragraph [System parameters](#)).

When the System Logs is displayed for the first time in static mode, in the “Site” tab the item “System logs available offline” is selected (red arrow):

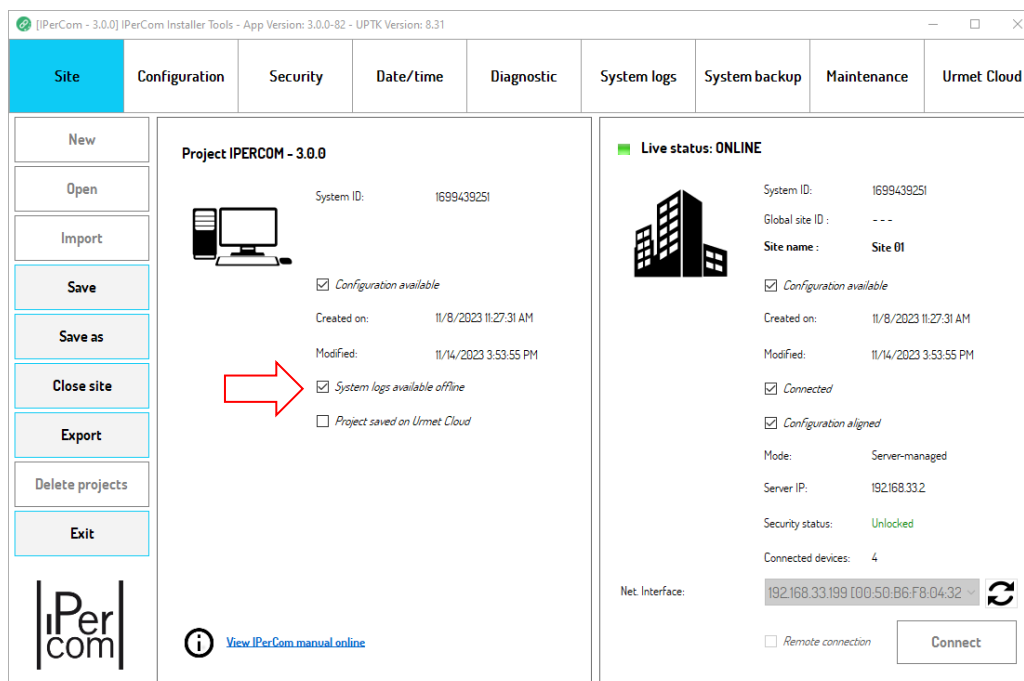


Figure 214: "Site" tab with System Logs saved locally

If this item is selected, the next time *iPerCom Installer Tools* is started it is possible to consult the system logs by simply opening the project, even if you are not connected to the system (and therefore even if the configurations of the project and site are not aligned). In this case the “System Logs” tab looks like this:

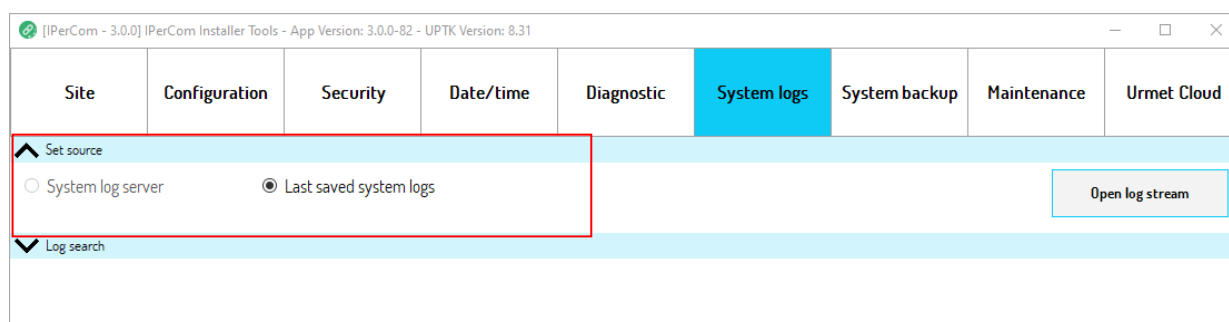




Figure 215: "System Logs" tab with System Logs saved locally

In this case, the source is not the *Server 1060/1*, but the backup of the System Logs automatically saved on your PC the first time it was displayed in static mode and updated every time the  button was pressed. In this case the "Open System Logs" button shows the same screen as before, with the only difference that the System Logs cannot be updated in real time with the  button, which in fact is frozen.

In this case it is possible also to export the System Logs to a csv file.

To display the System Logs saved locally (backup), the same System Logs must have been displayed at least once in online mode: the backup, in fact, is created as soon as the static System Logs operation mode is activated.

Every time the "*Open System Logs*" button is pressed (except the first time) in static mode, the local System Logs is downloaded again. To prevent the previous one from being automatically overwritten, the following message is shown:

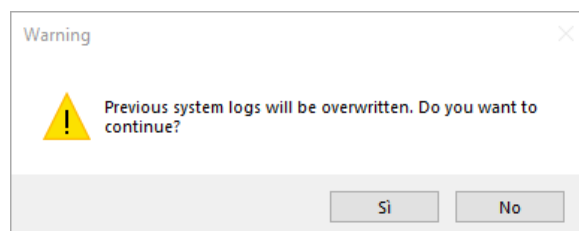


Figure 216: request to overwrite the local System Logs

If the "Yes" button is pressed, the previous local System Logs is overwritten and the static operation mode is enabled. If "No" is pressed, the static operation mode is not enabled.

If the System Logs has never been opened in static mode, if you try to enable it only with the project open, the following screen is displayed:

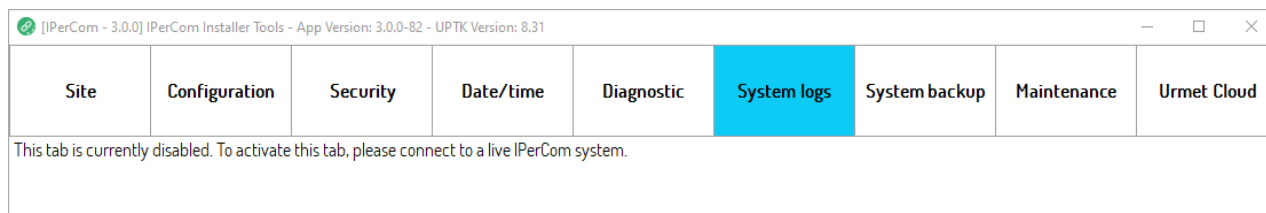



Figure 217: "System Logs" tab (without connection to the system) if the System Logs has never been opened in static mode

Below is explained in more detail which information is tracked in the System Logs and how to filter it.

### 7.9.5.1 How to filter System Logs: basic and advanced filters

The basic and advanced filters (**Log search** section in the red box) work in the same way regardless of whether the source of the System Logs is the server or a backup saved according to what was previously written. The only difference between the 2 ways to view the System Logs is the possibility to update it with the  button, when the source is a *Server 1060/1*. In both cases the screen displayed is as follows:

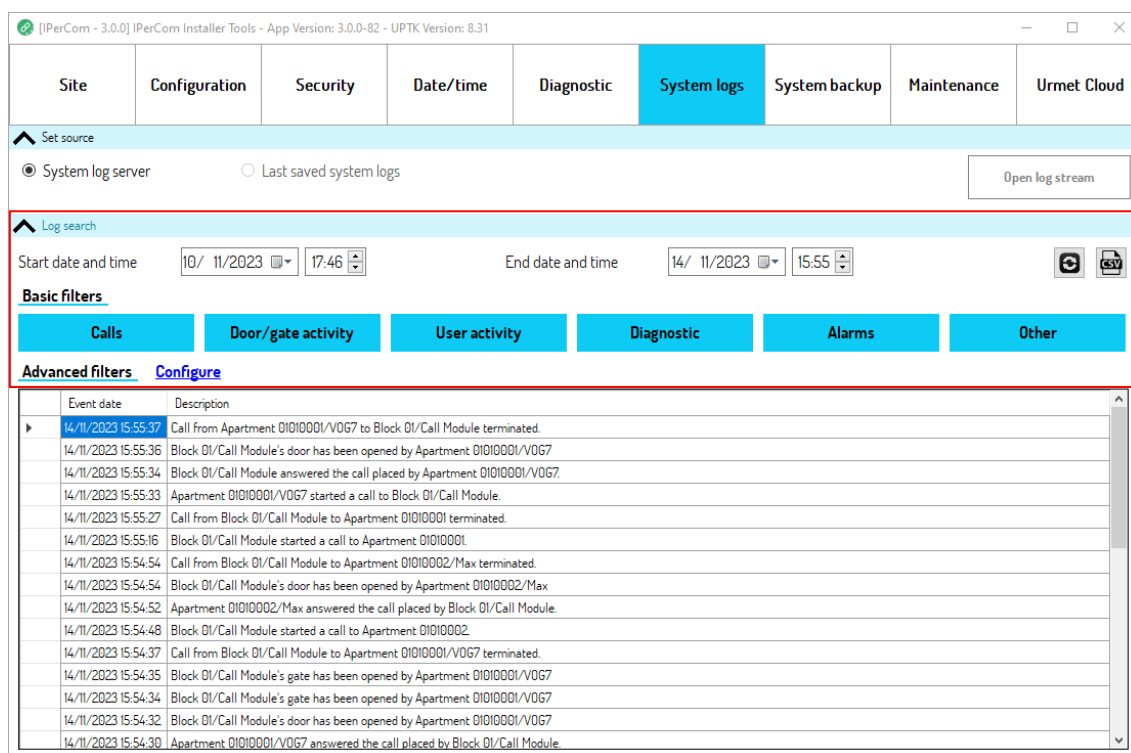


Figure 218: system logs filters

## FILTERING THE SYSTEM LOGS BY TIME INTERVAL

The **Start Date and Time** and **End Date and Time** fields (in the red rectangle) allow you to display the System Logs within the selected time interval. The default time interval is one week.

## BASIC FILTERS

Each time the System Logs window is opened, all the buttons related to the event categories in the **Basic filters** section are blue, i.e. selected: this means that *IPerCom Installer Tools* displays all the events and no basic filter has been applied. To deselect an event and then automatically not display it, it is necessary to press one of the buttons: its colour switches from blue to white.

A more detailed explanation of the various categories of events is given below.

## CALLS

The "Calls" event category includes all types of calls between the various system devices (including auto-on): for each call the source device (from which the call starts), the destination device (to which the call arrives), the possible response and the end of the call are displayed in detail. The name of each device is preceded by the name of the topological node where the device has been placed. An example is given below:

Event Date	Description
17/06/2020 09:28:00	Call from Block 01/Call Module to Apartment 01010101/Monitor Max 1 terminated.
17/06/2020 09:27:58	Apartment 01010101/Monitor Max 1 answered the call placed by Block 01/Call Module.
17/06/2020 09:27:53	Block 01/Call Module started a call to Apartment 01010101.
17/06/2020 09:27:02	Call from Block 01/Call Module to Apartment 01010103/Doorphone Miro terminated.
17/06/2020 09:26:59	Apartment 01010103/Doorphone Miro answered the call placed by Block 01/Call Module.
17/06/2020 09:26:49	Block 01/Call Module started a call to Apartment 01010103.

Figure 219: System Logs filtered by call event

## ACCESS POINT ACTIVITIES

The "Access Point Activities" event category includes the opening of all access points (pedestrian and driveway access point) of the various apartment station, resident/non-resident devices (by means of door opener code or proximity key), entrance hall button, trade function and from *Switchboard* application. The name of each device to which the access point belongs is preceded by the name of the topological node where the device has been placed. An example is given below:

Event Date	Description
17/06/2020 09:29:23	Block 01/Call Module's door has been opened by Resident 3
17/06/2020 09:27:59	Block 01/Call Module's door has been opened by Apartment 01010101/Monitor Max 1
17/06/2020 09:26:56	Block 01/Call Module's door has been opened by Apartment 01010103/Doorphone Miro
17/06/2020 09:25:00	Block 01/Call Module's door has been opened by Apartment 01010102/Monitor Max 2
17/06/2020 09:24:36	Block 01/Call Module's gate has been opened by Apartment 01010101/Monitor Max 1
17/06/2020 09:24:34	Block 01/Call Module's door has been opened by Apartment 01010101/Monitor Max 1

Figure 220: System Logs filtered by access point activities

## USER ACTIVITIES

The "User Activities" event category includes, for residents and non-residents, the request to open an access point (with proximity key or door opener code) and its outcome, the assignment/removal/suspension/restoring of a key code, the assignment/suspension/restoring of a door opener code; for the last 2 events the MAC address of the device from which the assignment/removal/suspension/restoring of the key code or door opener code is made is also reported. The name of each device to which the access point belongs is preceded by the name of the topological node where the device has been placed. An example is given below:

Event Date	Description
17/06/2020 10:01:27	Configuration changed by MAC 00:50:B6:22:73:44: door code 6**0 has been added for user Resident 4
17/06/2020 09:59:45	Resident 2 requested door/gate opening on Block 01/Call Module using a door opening code. Request approved.
17/06/2020 09:29:21	Resident 3 requested door/gate opening on Block 01/Call Module using a door opening code. Request approved.
17/06/2020 09:25:48	Configuration changed by MAC 00:50:B6:22:73:44: door code 1**0 has been added for user Resident 3

Figure 221: System Logs filtered by user activities

## DIAGNOSTICS

The event category "*Diagnostic*" indicates for each device if it is no longer reachable and when it is reachable again. The name of each device is preceded by the name of the topological node where the device has been placed. An example is given below:

Event Date	Description
17/06/2020 10:06:25	Video Doorphone Apartment 01010101/Monitor Max 1 (MAC 00:1E:E0:01:01:F5) is reachable again
17/06/2020 10:04:06	Video Doorphone Apartment 01010101/Monitor Max 1 (MAC 00:1E:E0:01:01:F5) is not reachable
16/06/2020 15:20:44	Audio Doorphone Apartment 01010103/Miro Doorphone (MAC 00:1E:E0:01:D3:8C) is reachable again
16/06/2020 15:17:54	Audio Doorphone Apartment 01010103/Miro Doorphone (MAC 00:1E:E0:01:D3:8C) is not reachable

Figure 222: System Logs filtered by diagnostics

## ALARMS

The "*Alarms*" event category includes all the alarms generated by the IPerCom system: in detail, which device has generated a specific alarm, which *Switchboard* has taken charge of the alarm and which *Switchboard* has reset it. The name of each device is preceded by the name of the topological node where the device has been placed. An example is given below:

Event Date	Description
17/06/2020 10:26:02	Alarm Coercion, raised by Block 01/Call Module, has been reset by Site 01/Switchboard
17/06/2020 10:25:44	Alarm Coercion raised by Block 01/Call Module
17/06/2020 10:25:37	Alarm Coercion raised by Block 01/Call Module
17/06/2020 10:24:14	Alarm Panic, raised by Apartment 01010101/Monitor Max 1, has been reset by Site 01/Switchboard
17/06/2020 10:22:06	Alarm Panic raised by Apartment 01010101/Monitor Max 1

Figure 223: event history filtered by alarms

## OTHER

The "*Other*" event category includes other events that do not fall into the above categories: in detail, events related to the *Lift Interface*, access and disconnection operations from the *Switchboard* application, MAC address of the device from which a configuration change to the system or an installer password change has been made. An example is given below:

Event Date	Description
17/06/2020 10:26:08	Switchboard user 1 has logged out on Site 01/Switchboard
17/06/2020 10:01:27	Device with MAC address 00:50:B6:22:73:44 has changed system configuration. The new configuration timestamp is 1592380859 (17/06/2020 10:00:59).
17/06/2020 09:43:03	Site locked by device with MAC 00:50:B6:22:73:44
17/06/2020 09:29:32	Device with MAC address 00:50:B6:22:73:44 has changed system configuration. The new configuration timestamp is 1592378944 (17/06/2020 09:29:04).
17/06/2020 09:25:48	Device with MAC address 00:50:B6:22:73:44 has changed system configuration. The new configuration timestamp is 1592378720 (17/06/2020 09:25:20).

Figure 224: System Logs filtered by other events

Each event category can be further filtered in the Advanced Filters section, which can be enabled by pressing the "Configure" item, as shown in the figure:

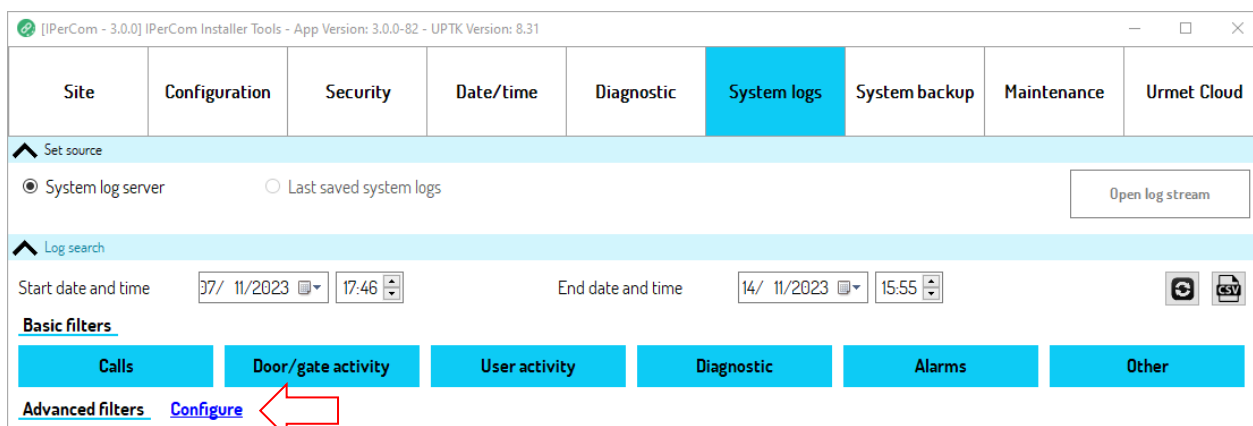


Figure 225: advanced System Logs filters

The next screen contains a drop-down menu with the various categories of events and, depending on the type of event selected, the relevant filter, as explained in more detail below.

#### 7.9.5.2 Filter on Calls event

If, in the **Category** drop-down menu, the event type "Calls" (default setting) is selected, the following is displayed:

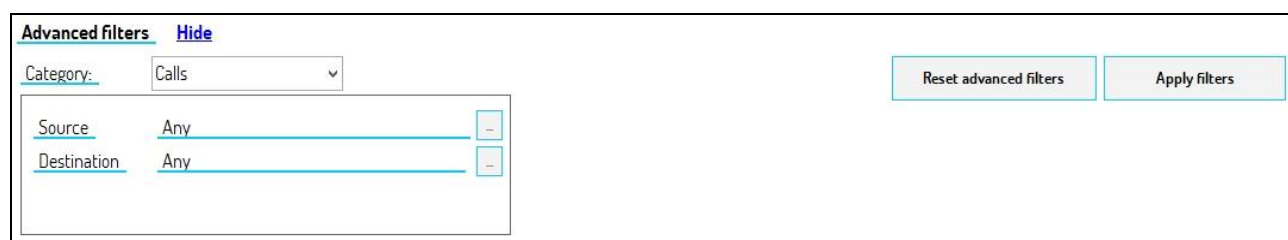



Figure 226: advanced filter for calls event

Calls can be filtered according to the calling device ("Source") and the called device ("Destination").

The source and destination are selected by pressing the button .

A screen opens where it is possible to navigate the topological structure of the system and generally choose a call station for the source, as shown below:



Figure 227: navigation of the system topological structure

The called device is selected in the same way.

After pressing the "OK" button and then the "Apply filters" button, only calls between the devices selected above will be displayed for the *Calls* event category.

After pressing the "Apply filters" button, only calls between the devices selected above will be displayed for the *Calls* event category.



One of the "Source" and "Destination" fields can be left to any value.

#### FILTER ON ACCESS POINT ACTIVITY EVENT

If, in the **Category** drop-down menu, the event type "Access point activities" is selected, the following is displayed:

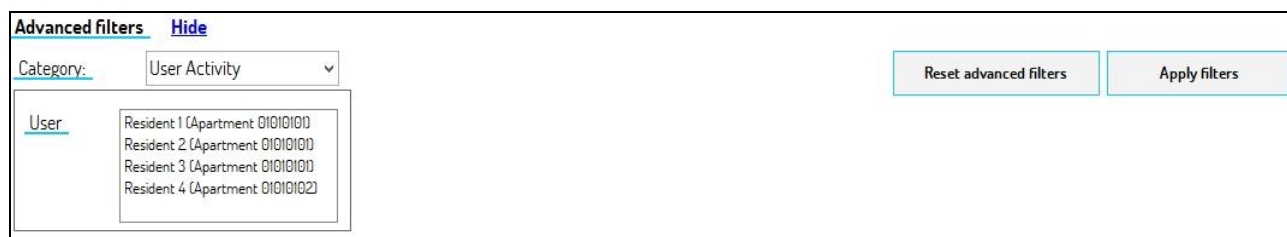


Figure 228: advanced filter for access point activity event

By selecting one or more of the access points listed and after pressing the "*Apply filters*" button for the *Access point activities* event category, only the events related to the opening of the selected access points are displayed.

#### FILTER ON USER ACTIVITY EVENT

If, in the **Category** drop-down menu, the event type "*User activities*" is selected, the following is displayed:



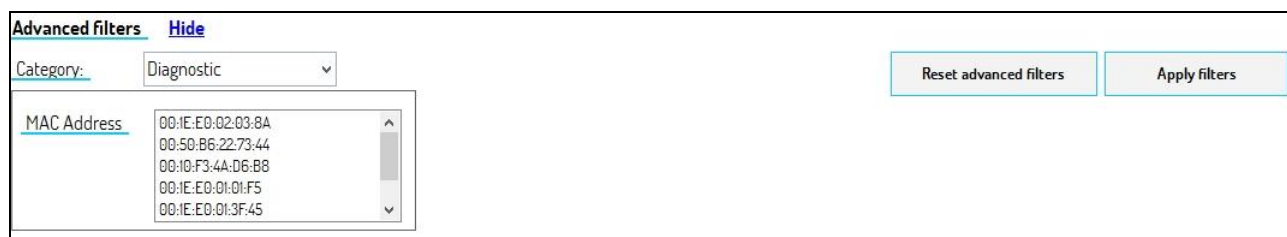
Advanced filters		Hide
Category:	User Activity	<input type="button" value="Reset advanced filters"/> <input type="button" value="Apply filters"/>
User	Resident 1 (Apartment 01010101) Resident 2 (Apartment 01010101) Resident 3 (Apartment 01010101) Resident 4 (Apartment 01010102)	

Figure 229: advanced filter for user activity event

Select one or more residents/non-residents among those listed and press the "*Apply filters*" button: for the *User activities* event category, the access point opening requests (with proximity key or door opener code) and relevant outcome of the selected residents/non-residents only will be displayed. Also for the selected residents/non-residents, the events of assignment, removal, suspension, restoring of a key code and assignment, suspension, restoring of a door opener code with MAC address of the device from which the operation in question is carried out are also displayed.

#### FILTER ON DIAGNOSTIC EVENT

If, in the **Category** drop-down menu, the event type "*Diagnostic*" is selected, the following is displayed:



Advanced filters		Hide
Category:	Diagnostic	<input type="button" value="Reset advanced filters"/> <input type="button" value="Apply filters"/>
MAC Address	00:1E:E0:02:03:8A 00:50:B6:22:73:44 00:10:F3:4A:D6:B8 00:1E:E0:01:01:F5 00:1E:E0:01:3F:45	

Figure 230: advanced filter for diagnostic event

Select the MAC address of one or more devices among those present in the system and press the "*Apply filters*" button of the event category "*Diagnostic*", only the diagnostic events of the selected devices are displayed.

## ALARM EVENT

If, in the **Category** drop-down menu, the event type "Alarms" is selected, the following is displayed:



Figure 231: advanced filter for alarm event

By selecting one or more types of alarms among those listed and after pressing the "Apply filters" button for the "Alarms" event category, only the events related to the selected alarms are displayed.

## OTHER

If, in the **Category** drop-down menu, the event type "Other" is selected, the following is displayed:



Figure 232: advanced filter for other events

By selecting one or more types of events among those listed and after pressing the "Apply filters" button for the event category *Others*, only the events selected are displayed.

## HOW TO CANCEL THE PREVIOUSLY SET FILTERS

To cancel the previously set filters in the **Advanced Filters** section, simply press the "Reset Advanced Filters" button. This button resets all the previously selected advanced filters.

## DISPLAYING THE EVENTS

For each event, the data that characterise it and help identify it are reported, i.e. date and time and a short description of the event.

## 7.9.6 System backup

The "*System backup*" tab allows you to periodically save the system configuration (backup) manually or automatically. The function is useful if:

- after making changes to the configuration, it is necessary to restore the situation before the changes;
- it is necessary to update the system to a different firmware version (having a backup of the system configuration is highly recommended in this case).

The configuration changes are saved in the backup both if made by the *configurator* of *IPerCom Installer Tools* and if made by the configurator integrated in the *MAX*, *VOG7* and *Basic* video door phones and if made by the access control configurator of the "*Switchboard*" application.

The function is only available if there is at least one *Server 1060/1* in the system.

In manual mode, the configuration is saved on your PC (connected to the IPerCom system). In automatic mode, the configuration is saved on a USB stick connected to one of the 3 available ports of the *Server 1060/1*.



*To be able to save the system configuration on a USB stick, it must have a FAT32 file system.*

The "*System backup*" tab looks like below:

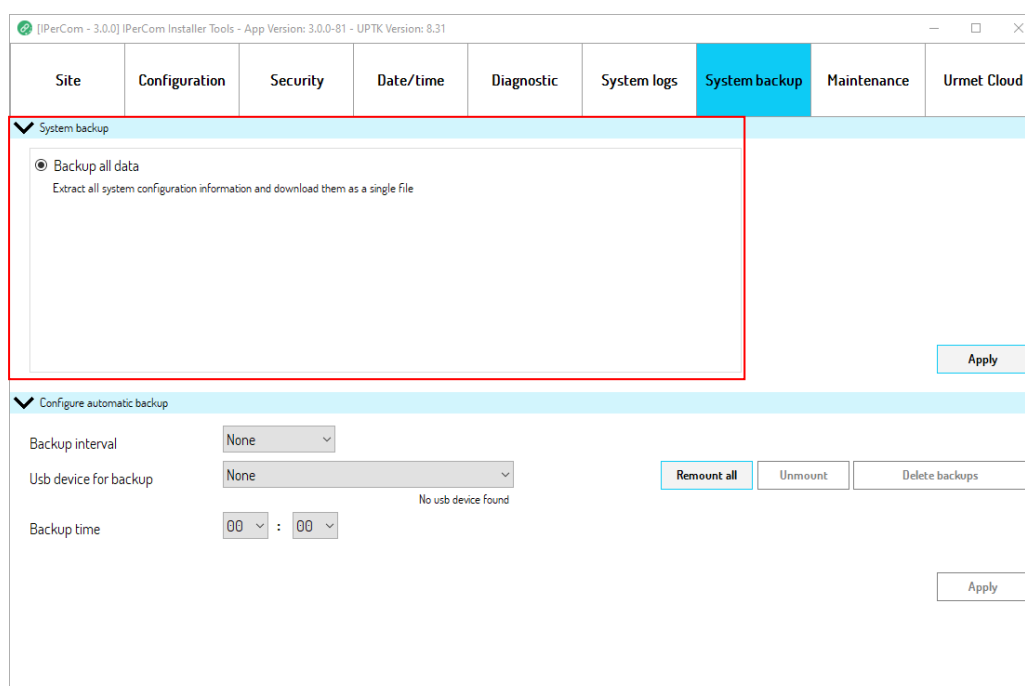


Figure 233: "System backup" tab

## MANUAL BACKUP

The "System backup" section (in red) allows you to manually save the system configuration on your PC ("Save all data" option by default).

Press the "Apply" button to open a window through which you can choose the path where to save the configuration on your PC. The backup file has an "sbz" extension and name with preset date and time. A pop-up window with the file name, path and size indicates that the operation was completed successfully.

The saved sbz file is to be imported in the same way as a project previously exported with the "Export" button. The imported local configuration must be applied to the system (for further details see paragraph [System configuration newer than project configuration](#)).

## AUTOMATIC BACKUP

The section "Configure automatic backup" (in red) allows you to set up automatic system backups:

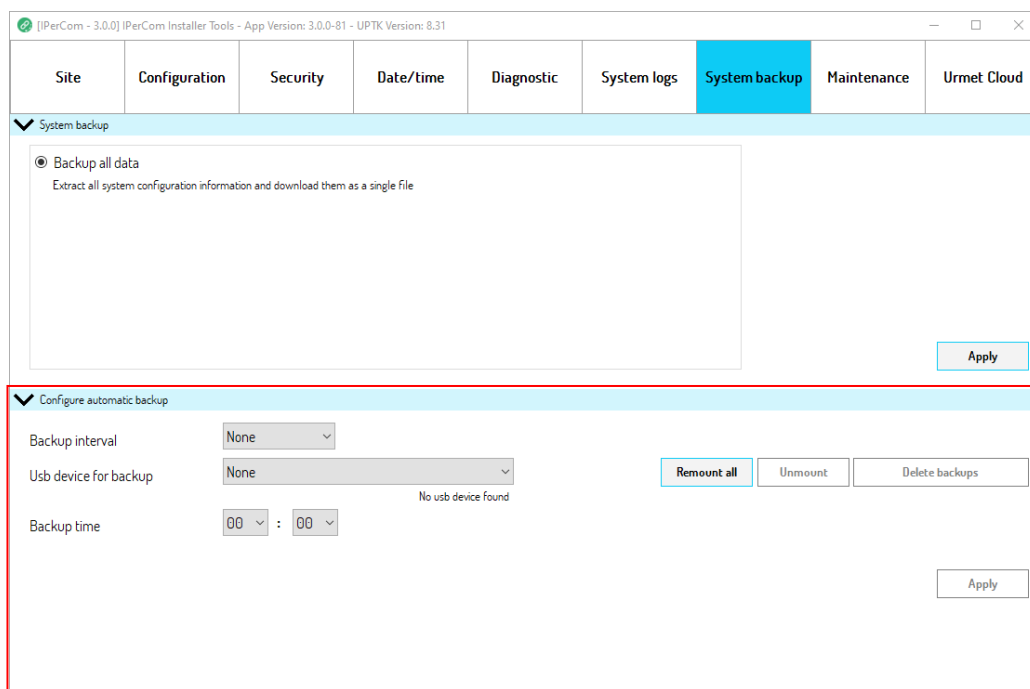


Figure 234: Automatic backup

To use this feature, you need to connect a USB stick to the *Server 1060/1* to one of the 3 available ports.

Then click on the "Connect all" button: the "USB device for backup" drop-down menu will display the USB stick connected to the *Server 1060/1* where the backup should be saved.

Via the "Backup interval" drop-down menu you can choose whether to set the backup daily ("Daily" item) or weekly ("Weekly" item) at the set time ("Backup time"). The "None" item (default) simply disables the previously made choices.

The "Apply" button allows you to save the set changes.

Whenever you need to remove the USB stick from the *Server 1060/1*, you must remove it using the "*Eject*" button.

Even in the case of automatic backup, the generated file has an "*sbz*" extension and name with preset date and time. All backup files are saved in a folder named "*AUTO BACKUP IPERCOM*".

The *sbz* files thus created can be imported in the same way as the manual backup.

You can delete previously saved backup files using the "*Delete backups*" button.



***If you back up a project whose configuration has already been applied on a site, it is absolutely forbidden to transfer the same configuration to another site. The backup function is to be used only to restore old configurations relating to the same site.***

### 7.9.7 Maintenance

The “*Maintenance*” tab is useful if it is necessary to:

- switch from a system with server to a system without server;
- import a new configuration to the system;
- restart all system devices (useful function if one or more devices (not in configuration and not aligned with the IPerCom version of the system) are connected to the system);
- firmware upgrade.

These operations are explained in more detail below.

#### SWITCHING FROM A SYSTEM WITH SERVER TO A SYSTEM WITHOUT SERVER

The transition from a system with *Server 1060/1* to one without *Server 1060/1* is possible only if:

- the number of devices is less than or equal to 1000,
- the number of apartments is less than or equal to 1000,
- the total number of users is less than or equal to 1000.

Otherwise, for the correct functioning of the system, the presence of at least one 1060/1 *Server* is required.

In case of system with 1060/1 *Server*, the “*Maintenance*” tab of *IPerCom Installer Tools* appears as shown below:

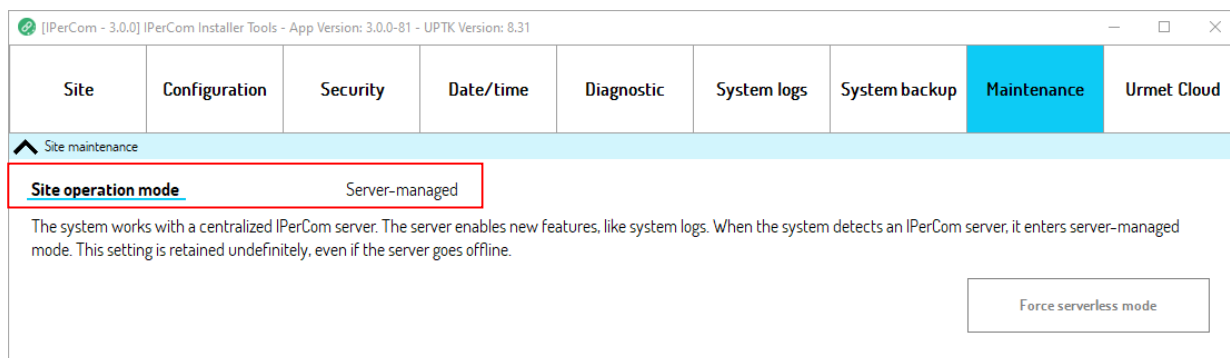


Figure 235: “*Maintenance*” tab - operation with server

As you can see, the system works in “*server*” mode.

If the number of devices, apartments, and users is less than or equal to 1000 and you want to switch to a system without *Server 1060/1*, the operations to do are as follows:

- disconnect the various servers from the system;
- start *IPerCom Installer Tools* (if already started, close and start the application again);
- open the project associated with the system;
- connect to the system;
- enter the “*Maintenance*” tab.

The screen displayed is as follows:

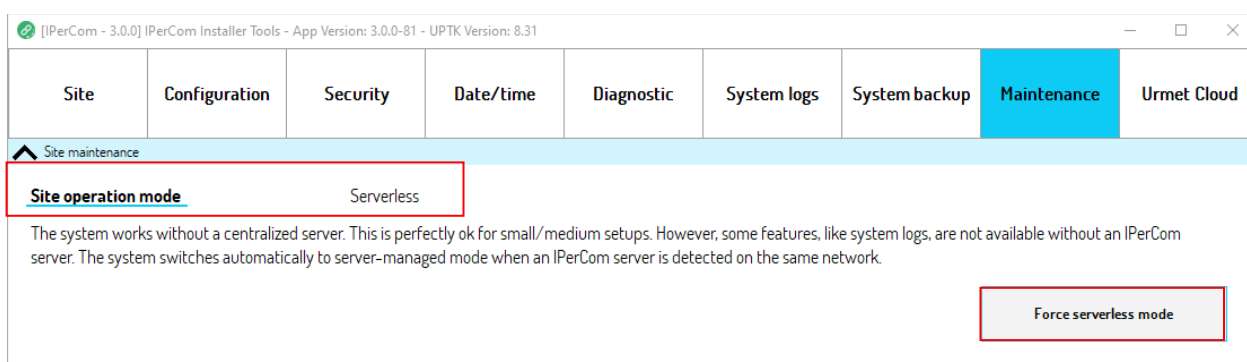


Figure 236: “Maintenance” tab - operation without server

As you can see, *IPerCom Installer Tools* detects that the system is without server, because the various servers have been disconnected from the system. However, to complete the operation correctly, it is necessary to press the “*Force Mode Without Server*” button (which was frozen in the previous screen). The following message is displayed:

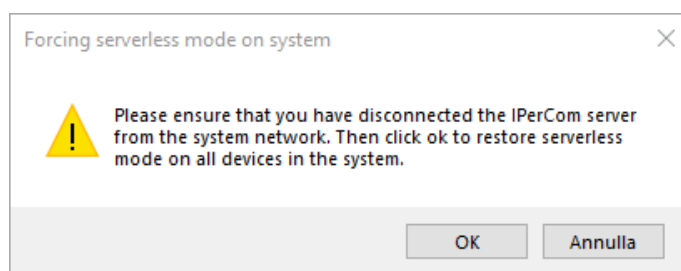


Figure 237: request to restore the mode without server

Press "OK", to restart the devices in the system so that they operate in "without server" mode. At the end of the operation, the following message is displayed:

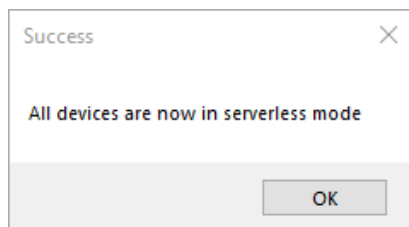


Figure 238: mode without server set correctly

Now the last step is to enter the *configurator*, delete the various servers from the configuration and distribute it again (see paragraph [The configurator](#)).



*When switching from "with server" to "without server" mode, all devices restart, except those that do not support the UPTK software development platform, that is Key Reader, Relay Actuator, Lift Interface, iPerTalk server, IPassan Controller and RTSP Cameras.*



*When switching from "with server" to "without server" mode upon IPerCom Installer Tools start (after disconnecting the server), the number of connected devices in the "Configuration" tab is equal to those that do not support the UPTK software development platform. In addition, all data relating to the system configuration file are not assigned a value. To return to a correct displaying of the above, it is necessary to press the "Force Mode Without Server" button as described above.*

The switch from "with server" to "without server" is in any case automatic in medium-size systems (that is with several devices, apartments, and users less than or equal to 1000); the devices restart within 15 minutes; in case all the servers are not working properly. In this way, the system continues to operate and you have a malfunction of only about 15 minutes.

In systems with more than 1000 IP devices or apartments or users at least one 1060/1 Server is needed; it is important to keep in mind, however, that in case of malfunction of the only server, the devices do not restart automatically and therefore the system no longer works properly. Therefore, if there are more than 1000 devices and/or apartments and/or users, it is advisable to have more than one server in the system; in this way, if one server is no longer working, the presence of other servers guarantees the correct functioning of the system.

The same goes for an IPerCom system in IPerCloud mode where at least the presence of a 1060/1 Server is required: if the only 1060/1 Server present in the system no longer functions correctly, the entire system stops working.

In [APPENDIX Q: Replacing a 1060/1 Server that is no longer working](#) the procedure for replacing a 1060/1 Server is shown in any case.

## ADDING A SERVER TO THE SYSTEM

To add a 1060/1 *Server* (not configured and with default settings) to a system in "without server" mode, it is necessary in a first step to connect only the 1060/1 *Server* to the PC (not to the IPerCom system) and perform the following operations in the order shown.

1. upgrade with *IPerCom Installer Tools* the 1060/1 *Server* to the same IPerCom version present on the system;
2. through *IPerCom Installer Tools* open the project related to the system on which you want to add the 1060/1 *Server*;
3. add 1060/1 *Server* with its MAC address to the configuration and apply (in this case to 1060/1 *Server* only) the new configuration;
4. save the changes you have just made, close the site, disconnect 1060/1 *Server* from your PC, and turn it off.

At this point, you can connect the 1060/1 *Server* to the IPerCom system, turn it on and wait about 10 minutes for the devices to restart to switch to "with server" mode.

By connecting to the system through *IPerCom Installer Tools*, it is possible to verify that all the devices of the system have the same configuration and that the system itself is in "server" mode.

If 1060/1 *Server* is added when the *IPerCom Installer Tools* application is running, the following message appears:

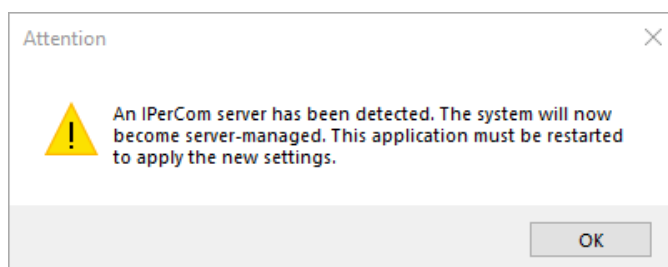


Figure 239: detecting one or more servers on the system

Pressing the "OK" button to restart the application.

## IMPORTING OR CREATING A NEW CONFIGURATION ON THE SYSTEM

To create or import a new configuration on an already configured system, it is necessary to delete the configuration already existing on the various devices. In fact, if the system has already been configured, it has its own identifier (**System ID** field): in this situation the attempt to import other configurations with different ID into the system is blocked to avoid the irreversible loss of the work already done.

If, however, it is necessary to change a configuration previously made, the only way to do this is to delete it from all the devices in the system and then reset these devices to factory settings.

To do this it is necessary to press the "*Erase configuration on all devices*" button:

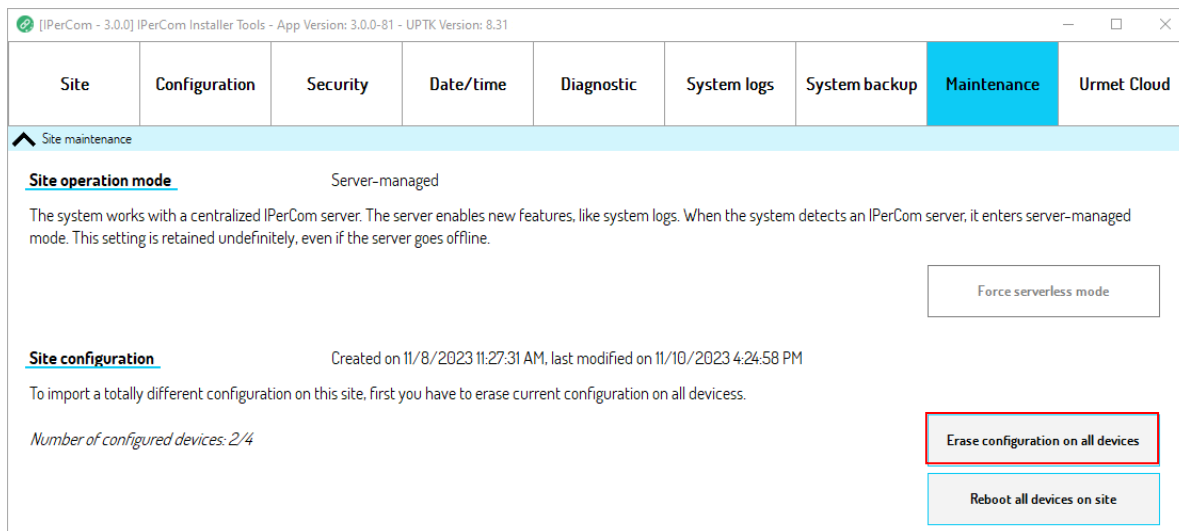


Figure 240: "Maintenance" tab - deleting the configuration

The following pop-up window is displayed:

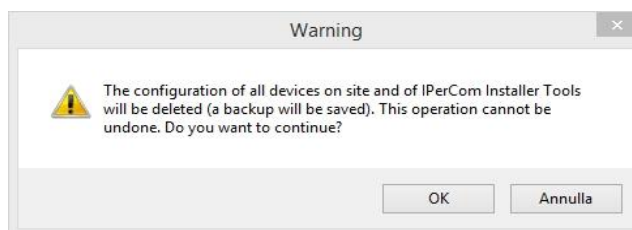


Figure 241: request to delete the configuration from the system devices



*Deleting the configuration will reboot the devices. Those equipped with display start with the screen that contains, among other things, the information "Not configured".*

Press the "OK" button to delete the configuration from all the devices in the system to bring them back to factory settings and create automatically a backup file of the previous configuration.

At the end of the procedure, *IPerCom Installer Tools* shows the following pop-up window:



Figure 242: configuration deletion successfully performed

Press the "OK" button to restart the application.

Now it is possible to configure again the site creating a new project or opening another project and apply the configuration.



*If the project associated to the system whose devices have been brought back to the factory configuration is opened again, IPerCom Installer Tools shows a dialogue box that warns installer that configuration associated to this project (saved through backup) will be imported in automatic way. Pressing the "OK" button, configurator opens with the old project: simply save it to associate the old configuration and transfer it to the system after connecting.*

## SYSTEM RESTART

The "Reboot all devices on site" button (red box) allows you to restart all devices in the system:

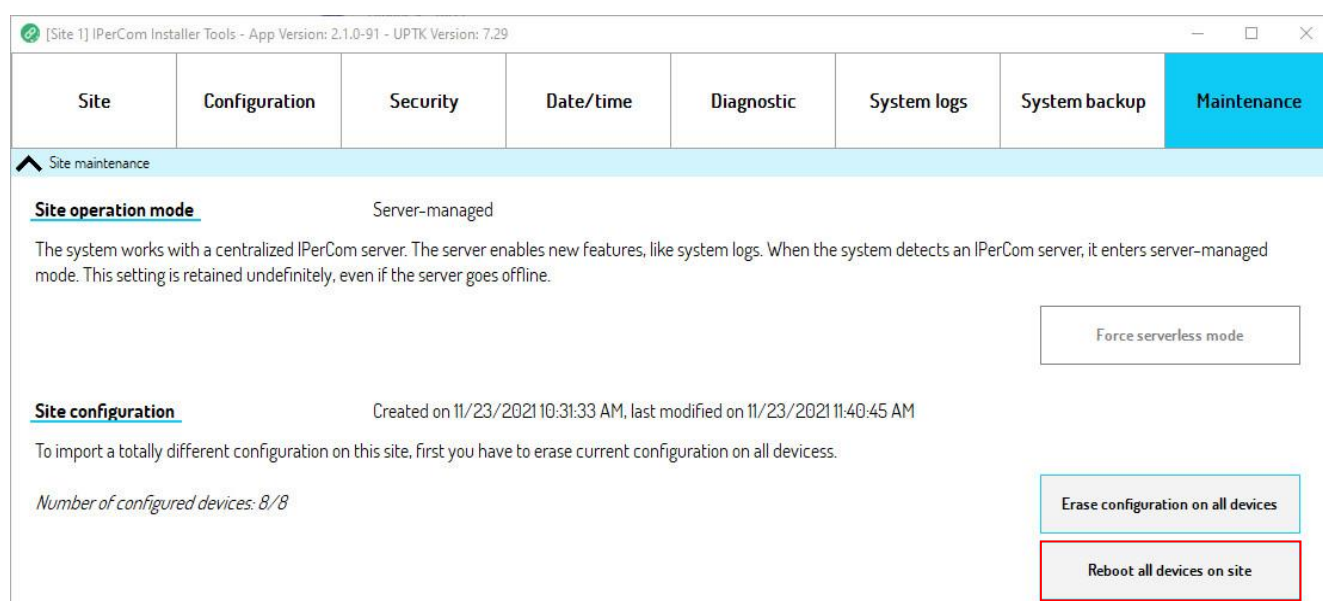


Figure 243: "Maintenance" tab - restarting the devices in the system

The function is useful if one or more devices are connected to a system and these devices are:

- not aligned with the IPerCom version already present on the system,
- present in the configuration.

As written in the paragraph [IPerCom devices upgrade mode](#), a warning message indicating the presence of misaligned devices appears on the video door phones, *Switchboard*, *IPerCom Client* and *IPerCom Installer Tools* applications. The message is like the one reported below:

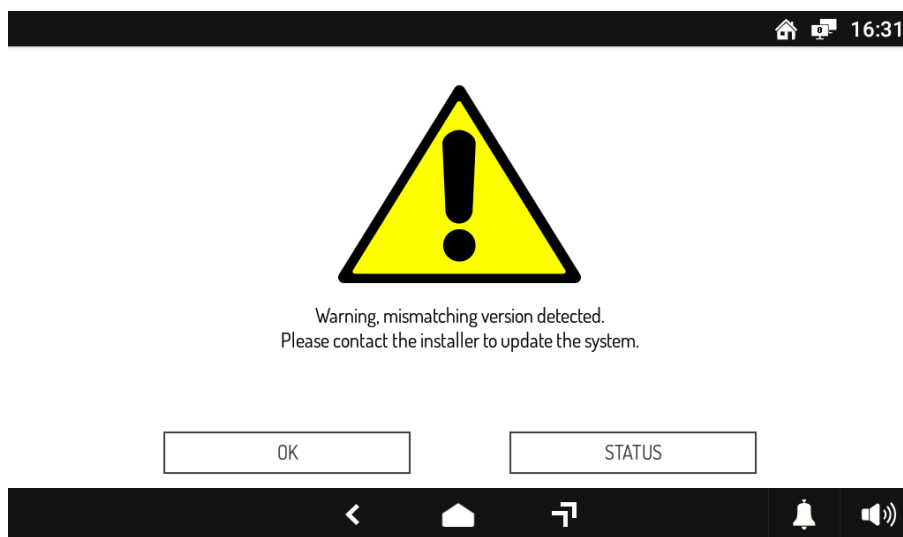


Figure 244: Presence of devices with UPTK versions not aligned

The fastest way to bring the system back to normal operation involves:

- disconnect unaligned devices,
- press the “OK” button in the above window relating to *IPerCom Installer Tools*,
- go to the “Maintenance” tab,
- press the “Reboot all devices on site” button.

In this way all the devices in the system restart and thus avoid having to manually restart each individual video door phone, a very difficult operation in medium or large sized systems.



*The message shown in the figure disappears automatically once the not-aligned devices are disconnected but it may be necessary to wait up to 30 minutes for this to happen on all the video door phones.*

## FIRMWARE UPGRADE

The “*Perform firmware upgrade*” button allows you to update the system if it has one or more devices not updated to the officially released version 3.3.0 (or higher):

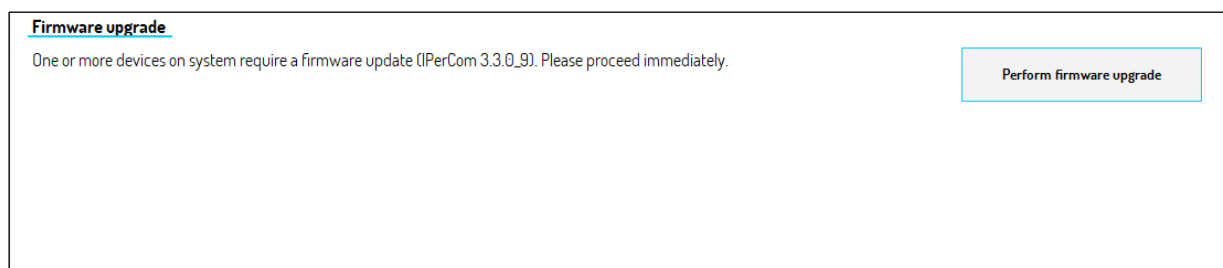


Figure 245: firmware upgrade button

The way to update is like what we saw in the paragraph [Basic steps to update your system](#).

The reporting of a system not aligned to the same IPerCom version is done immediately after connecting to the system by means of the “*Connect to site*” button via the following window:

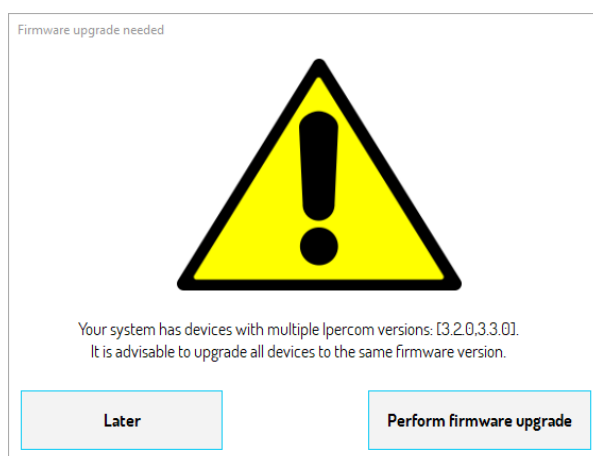


Figure 246: request to update the system

The reported text highlights the fact that there are devices updated to IPerCom version 3.3.0 and others with version 3.2.0.

Through the “*Perform firmware upgrade*” button it is possible to start soon the system update as already explained in paragraph [Basic steps to update your system](#).

If for some reason you still need to make changes to the project and update in a second moment, simply press the “*Later*” button. The upgrade will be performed by the button shown in [Figure 245](#).

## 8 The configurator

The *configurator* allows defining the system topology, associating the various devices to the system nodes, creating directories, activation rules, access control rules, residents, and non-residents, setting the operating mode of the system.

The *configurator* is integrated in both *IPerCom Installer Tools* and *VOG<sup>7</sup>, Basic* and *MAX* video door phones and the way it works is completely similar, except for the system models that can be chosen.

For the use of the *configurator* integrated in *VOG<sup>7</sup>, Basic* and *MAX* video door phones, please refer to the chapter [Upgrading and configuring a](#).

In the next paragraphs, the use of the *configurator* within *IPerCom Installer Tools* will be explained and illustrated.

### 8.1 Creating or editing the configuration file

After creating a new project with the “*Site*” tab, the creation of the relative configuration takes place via the “*Configuration*” tab, which appears as shown below (if you are not yet connected to the system):

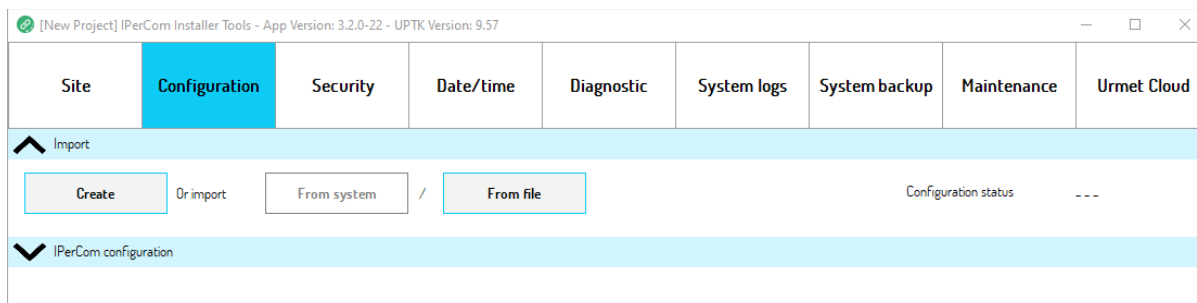


Figure 247: creating a new configuration

The buttons to create a new configuration are shown below and are active according to the description below:

- “*Create*”, to create a new configuration (if you are not connected to a system or you are connected to a system without configuration);
- “*From File*”, to import the configuration from an external .ccf file (with the constraints described in the previous paragraphs, connected or not connected to a system) and modify it;
- “*From system*”, to import the configuration from the system to which you are connected (with the constraints described in the previous paragraphs) and modify it.

To modify an existing configuration, regardless of whether you are connected to the system or not, through the “Configuration” tab you must press the “Modify” button, as shown below:

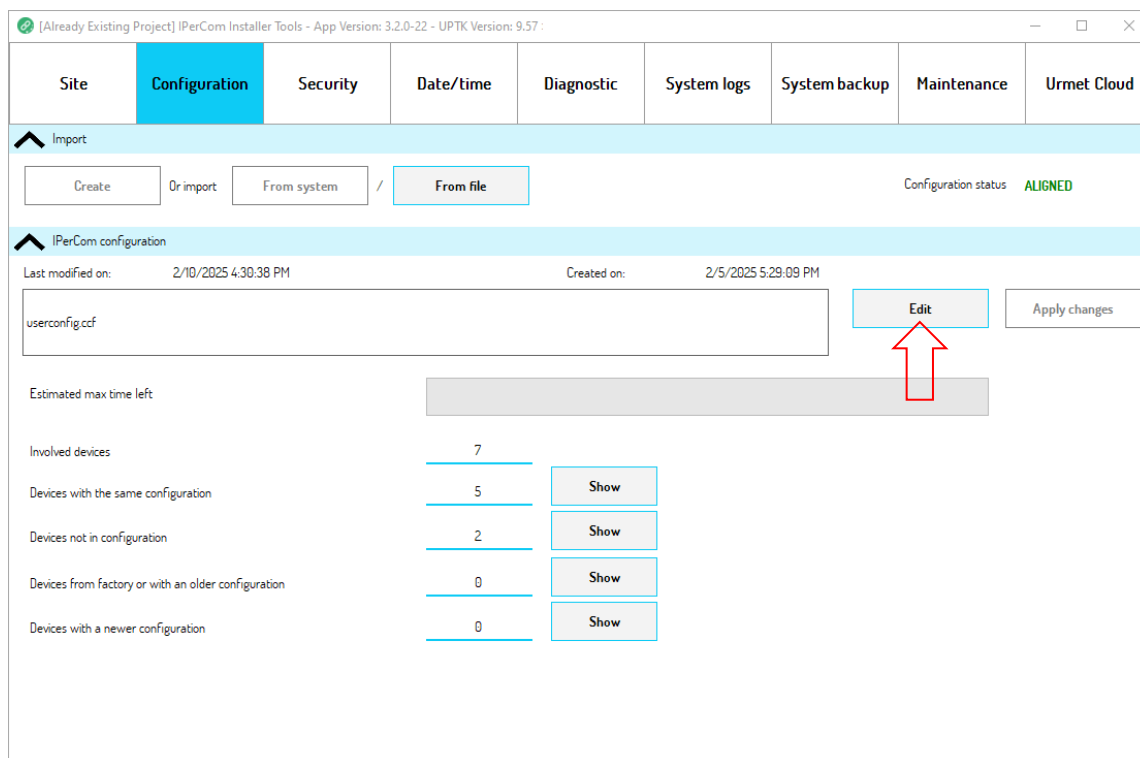


Figure 248: modifying an already created configuration



If the configuration file was created using the configurator integrated in IPerCom Installer Tools version 3.0.0 or higher, it is not possible to modify and save the configuration except through the same configurator started by IPerCom Installer Tools. If the configuration file in question is opened in other modes (as a .ccf file or via the configurator integrated in the VOG<sup>7</sup>, Basic or MAX video door phones), the following message is displayed:

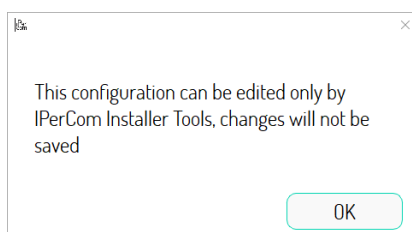


Figure 249: configuration not editable

The configuration creation (and thus the *configurator*) allows you to:

- define the system topology,
- add IPerCloud apartments (if present),
- add the devices on the topological nodes of the system,
- customize the system (assigning appropriate names to apartments, topological nodes, devices, etc.),
- define the address books,
- create the activation rules,
- create users (residents and non-residents),
- set the access control,
- configure system parameters and call forwarding.

All these points will be explained in detail in the following paragraphs.

#### 8.1.1 Selecting the system topology (model) and the *configurator* structure

To create a new configuration, simply press the “Create” button in the “Configuration” tab. The following screen is displayed:

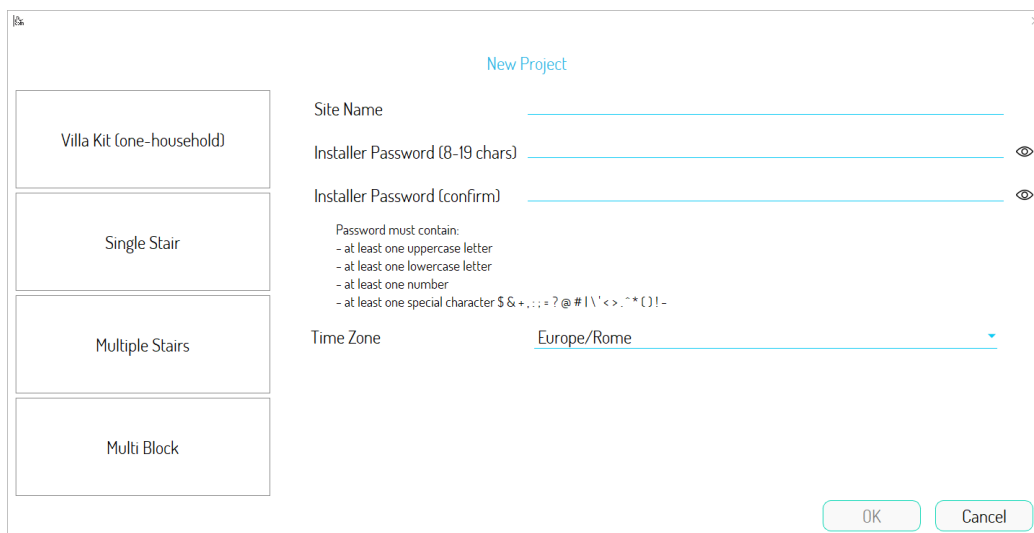


Figure 250: system topology

In this screen it is possible to define the main data to create a new project (from which you can start to create the system configuration). The data are the following ones:

- site name;
- installer password (according to the rules shown in the figure above);
- system model (or topology);
- time zone.



*The name of the site is the one that will then appear in the IPerCom Installer Tools application in the "Site" tab in the relevant "Site Name" field, after aligning the project configuration with that of the system.*



*If, instead of creating a new configuration, you want to modify an existing one, the configurator is opened with the configuration present on the system, after entering the installer password.*

As for the choice of the plant model, there are 4 options available, depending on your needs:

1. "Villa Kit (one-household)",
2. "Single Stair",
3. "Multiple Stairs",
4. "Multi Block".

The choice of a plant model determines the topological structure of the plant itself; if you are not sure of the choice, it is recommended to select the generic "Multi Block" model.

Plant models "Multiple Stairs" and "Multi Block" are the only models that allow you to place secondary and main calling stations.

The choice of a plant model also determines the behaviour of the network interfaces of the VOG<sup>7</sup>, MAX 10" and MAX 7" video door phones about Internet access for third-party apps on the video door phones themselves.

The "Villa Kit (one-household)" model is the only one that allows third-party apps to access the Internet via the "DOORPHONE POE PORT" network interface of the video door phones, which is not normally used for this purpose. For the other plant models, Internet access occurs via the "LOCAL LAN PORT" or WiFi network interface of the video door phones.



*The "DOORPHONE POE PORT", "LOCAL LAN PORT" and WiFi network interfaces are present on the VOG<sup>7</sup>, MAX 10" and MAX 7" 1717/3x video door phones (both for the versions with U and those without U).*



*The "LOCAL LAN PORT" / WiFi interfaces of the video door phones (if used by third-party apps on the video door phones) must never be connected to networks without Internet access as this compromises the call forwarding performance of the device.*

Once all the fields have been filled in and the desired model has been selected, by pressing “OK” a basic project will be created and the “Topology” tab will be displayed:

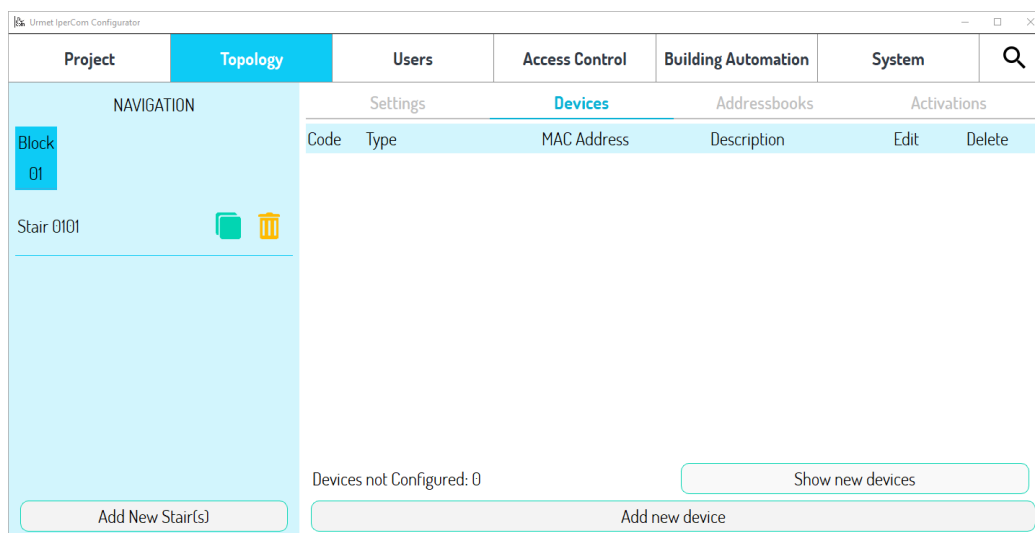


Figure 251: “Topology” tab of a “Multiple Stairs” configuration

The shown screen is related to the case in which the “Multiple Stairs” topology was chosen during the project creation phase.

To browse through the various topological nodes, it is necessary to use the navigation module, visible on the left in the figure below:

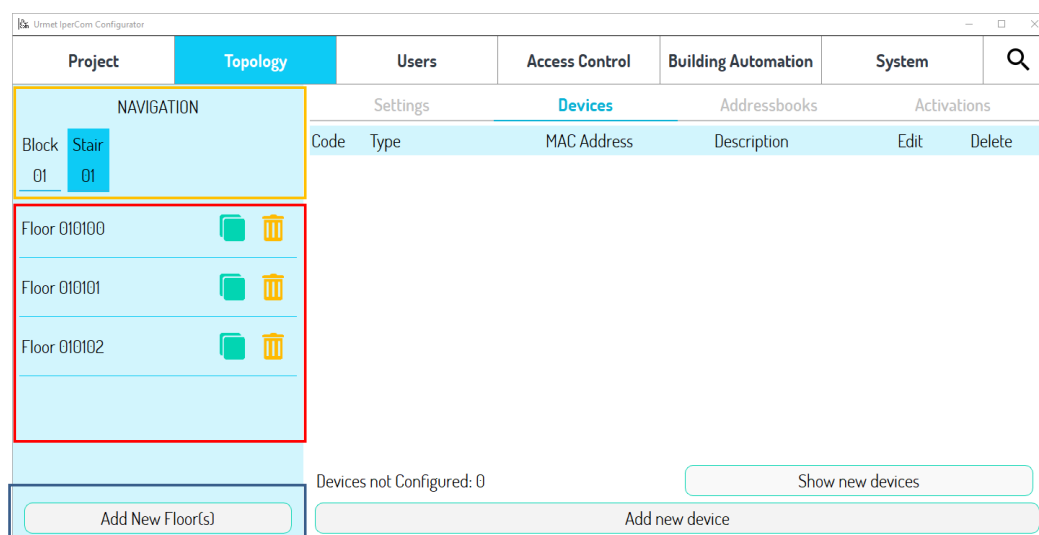




Figure 252: Example of navigation in topology for a “Multiple Stairs” project

it is possible to identify three zones:

- an upper part (in yellow), showing the current topological node;
- a central part (in red), with a list of all the topological nodes that derive directly from it;
- a lower button (in blue), to add new nodes to the topology.

Two buttons are available for the topological nodes:

-  clone, which allows you to create an identical copy of the topological node and of all the nodes that derive from it; this button is not available in case of apartments.
-  delete, which allows removing the topological node and all the nodes that derive from it.

When creating the topology, it must be considered that *IPerCom* supports a maximum number of 99 blocks, a maximum number of stairs per block of 30, and a maximum number of floors per stair of 1000. Finally, a maximum of 1000 apartments can be added to each floor, for a **maximum of 1000 apartments in total in the entire system**.



*It is also possible to define several underground floors among the floors, identified (within a site, block, and staircase) by the code U1, U2 and so on up to the code ZZ. For example, on the staircase 010101##### the first underground floor has topological code 010101U1##.*

The overall number of apartments on a system remains limited and is linked to the presence or absence of a 1060/1 Server on the system, as is the overall number of topological nodes, devices, and users.

The following table shows the number of apartments/devices/users (residents and non-residents) for which the presence of a Server 1060/1 is not required (green line) or is required (yellow line):

Apartment number	Device number	Resident and non-resident number
≤ 1000	≤ 1000	≤ 1000
> 1000 (max 4000)	> 1000 (max 4000)	> 1000 (max 10000)

Table 11: Presence of at least one 1060/1 Server in *IPerCom* systems



*Regarding the second row, it is sufficient for only one of the 3 conditions above to occur for Server 1060/1 to be mandatory.*



*The total number of residents and non-residents must be less than or equal to 1000 for the system to function correctly without any 1060/1 Server.*

If the presence of a 1060/1 Server is requested, the configurator signals its lack in the configuration via a message when saving the configuration itself (see paragraph [How to save the configuration](#)):

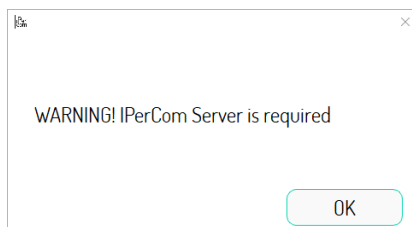


Figure 253: message on configurator in the absence of Server 1060/1

If the 1060/1 Server is added to the configuration but is not physically installed on the system, during the saving phase the *configurator* allows you to save the configuration but when you try to apply it via *IPerCom Installer Tools* the following message is shown:

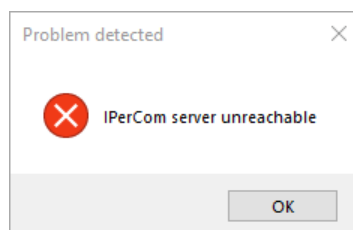


Figure 254: message on IPerCom Installer Tools in the presence of Server 1060/1 added on the configurator but not present on the system

In addition, the *MAX*, *VOG<sup>7</sup>*, *VOG<sup>5</sup>*, *VOG<sup>5+</sup>* video door phones, *Switchboard* and *IPerCom Client* applications show a screen like the one below:

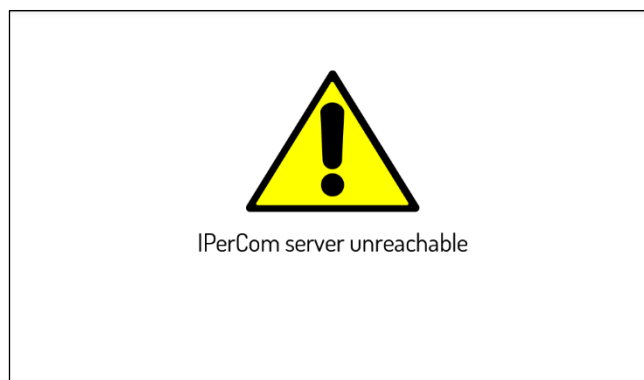


Figure 255: message on MAX, VOG<sup>7</sup>, VOG<sup>5</sup>, VOG<sup>5+</sup>, Switchboard and IPerCom Client in the presence of Server 1060/1 added on the configurator but not present on the system

Calling stations equipped with displays also show a screen indicating that the device is not configured.

The screens below refer to systems without Server 1060/1.

In the context module within “*Topology*” it is possible to access 4 configuration panels that allow you to make changes related to the current node:

- “*Settings*”, that allows accessing the node properties;
- “*Devices*”, that allows adding/modifying/removing devices;
- “*Address books*”, that allows creating the address books used by above all by apartment station;
- “*Activations*”, that allows activating *Relay Actuators* outputs.

The “*Project*” tab can be used to set all the basic information of the project:

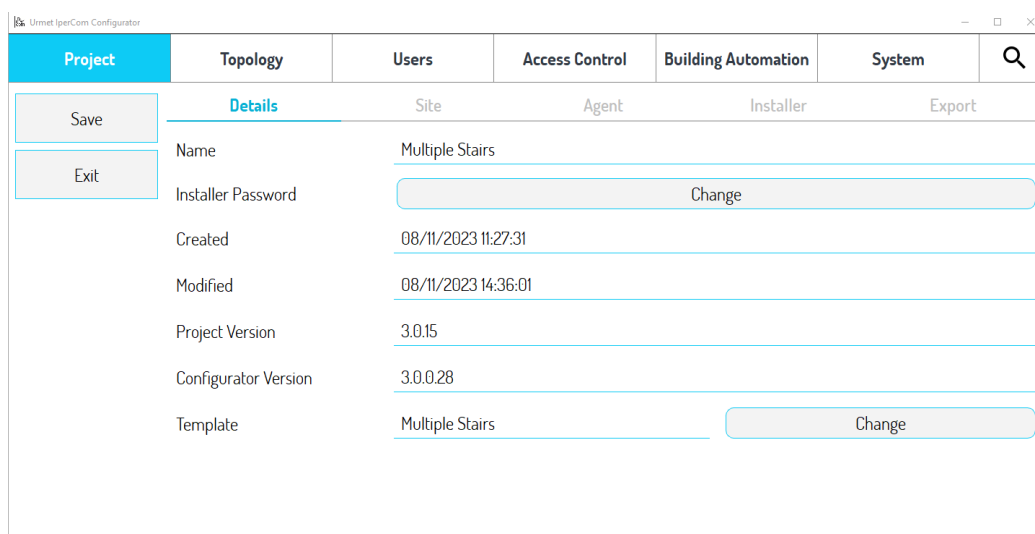


Figure 256: “*Project*” tab of a multiple stair configuration

It is possible to distinguish the following 5 tabs:

#### Details

The tab contains some general information about the project (name, creation and modification dates, project version and version of the *configurator* with which it was created) and allows you to change the installer password and the project template;

#### Website

The tab allows you to enter all the information regarding the system site address.

#### Agent

The tab allows you to enter all the information concerning the personal details of the agent who commissioned the system.

#### Installer

The tab allows you to enter all the information concerning the personal details of the system installer.

## Export

The tab allows you to:

- export a file in html format that contains a summary of the topology and the devices that make up the system;
- export a file in xml format useful for the integration of the IPerCom system with the IPassan access control system (for further details see [APPENDIX N: IPassan integration with IPerCom](#)).

About the summary in html format of the system, it is possible to:

- choose whether to export information about nodes or devices in the system or both;
- choose from which node to export the above information.
- sort the devices by MAC address or topological address.

For each node, the name, the type (if site node, block or other), the topological code and whether it is a 2Voice node is shown; in case of 2Voice apartment, the configuration of the dip-switches is also shown (for further details see paragraph [Adding a Gateway IPerCom-2Voice on a stair node](#)).

For each device, the MAC address, the device type, the name, and the topological node where it has been added is shown (for further details see paragraph [Adding devices](#)).

If the installer wishes to change the chosen system model, in the “Details” tab in correspondence with the item “Template” there is the “Change” button (red box). Pressing this button will display a dialogue box, from which it is possible to select a new model:

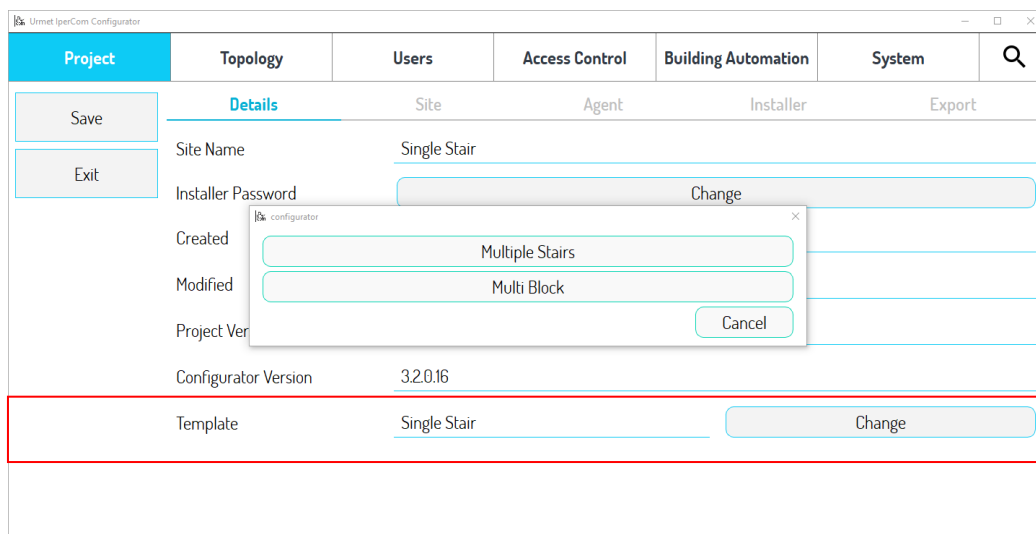


Figure 257: Changing the system model

Changing the model is only allowed if you are switching to a more complex typology than the one previously chosen (for example from “*Single Stair*” to “*Multiple Stairs*” or “*Multi Block*”). It is not possible to switch to a simpler typology than the one previously chosen (for example from “*Multiple Blocks*” to “*Single Stair*”).

Transition from one system model to another is usually required in the following cases:

- if the model was not chosen correctly during the creation phase of the project;
- if the system layout greatly evolved after the project was created.

For example, if you have a “*Single Stair*” project model and only later you discover that main and secondary calling stations are needed (which requires a “*Multiple Stairs*” or “*Multi Block*” model), you will need to change the model in the configuration to meet the new specifications.

The various types of system are now described in more detail.

#### 8.1.1.1 Villa Kit (one-household) systems

The **Villa Kit (one-household)** systems are those systems with one floor and only one apartment where up to 20 apartment station can be installed.

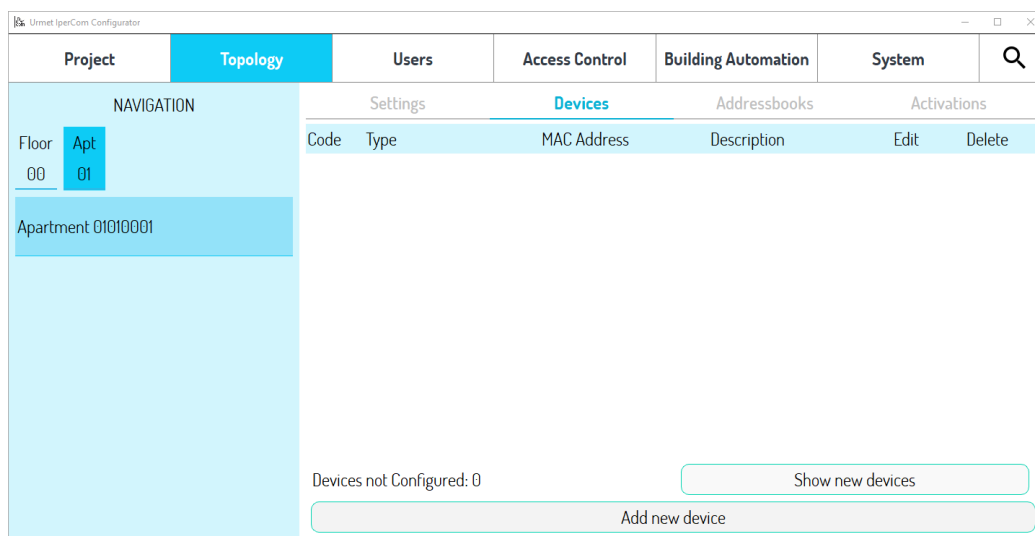


Figure 258: “Topology” tab for Villa Kit (one-household) system

The “*Villa Kit (one-household)*” systems are those systems with one floor and only one apartment where up to 20 devices can be installed between apartment stations.

### 8.1.1.2 Single Stair systems

The **single stair** systems are characterised by the fact that all the apartments are arranged on the floors belonging to a single stair. This mode is also suitable for two-family systems. On this system it is possible to have any number of apartments and floors on which *IPerCom* devices will be placed.

By selecting *Single Stair* as plant model, a stair with a floor and a single apartment is created automatically.

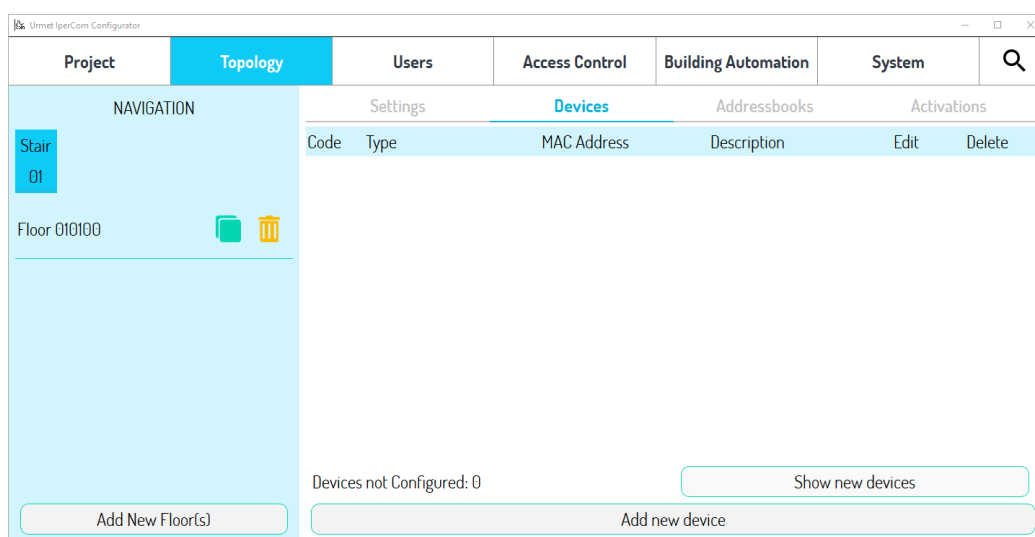


Figure 259: "Topology" tab for Single Stair system

It will then be possible to add the desired number of floors and the relevant apartments by clicking on the relevant button at the bottom of the navigation module:

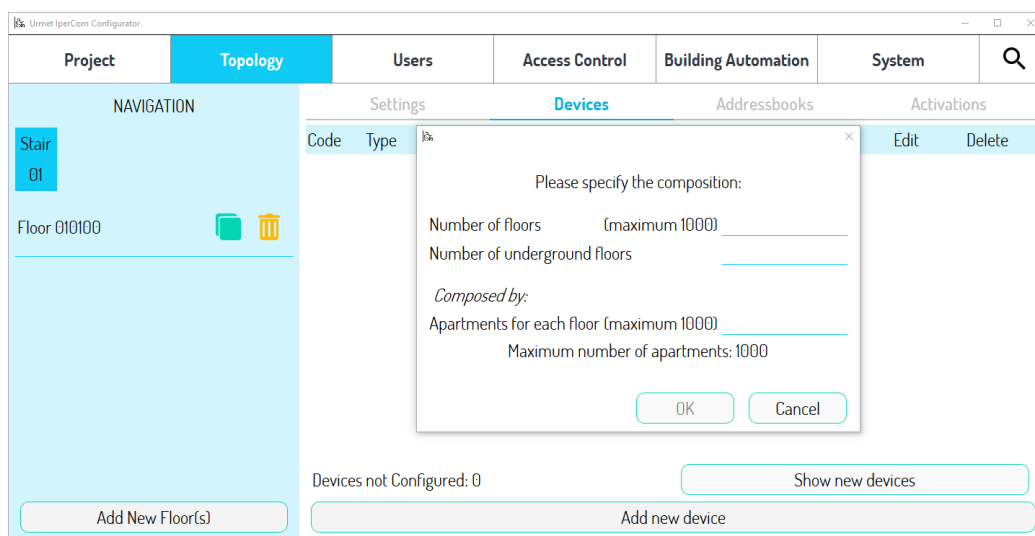


Figure 260: adding of new floors to the topology

### 8.1.1.3 Multiple Stairs systems

If the system topology consists of several stairs within the same block, a **Multiple Stairs** configuration can be created.

In this case a block is automatically created with one stair, one floor and a single apartment:

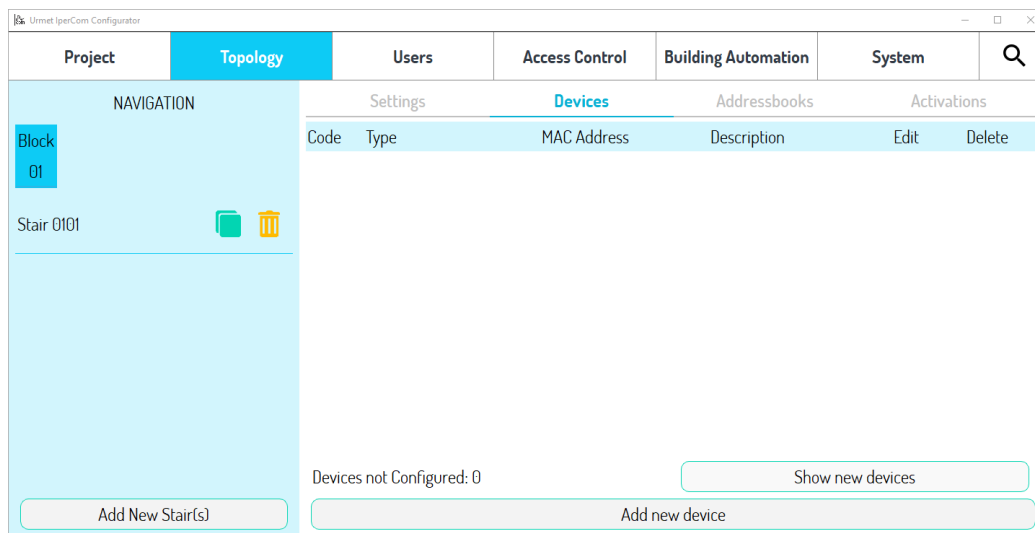


Figure 261: "Topology" tab for Multiple Stairs system

If you need to add or remove stairs/floors/apartments, you can do it in subsequent steps using the relevant button at the bottom of the navigation module:

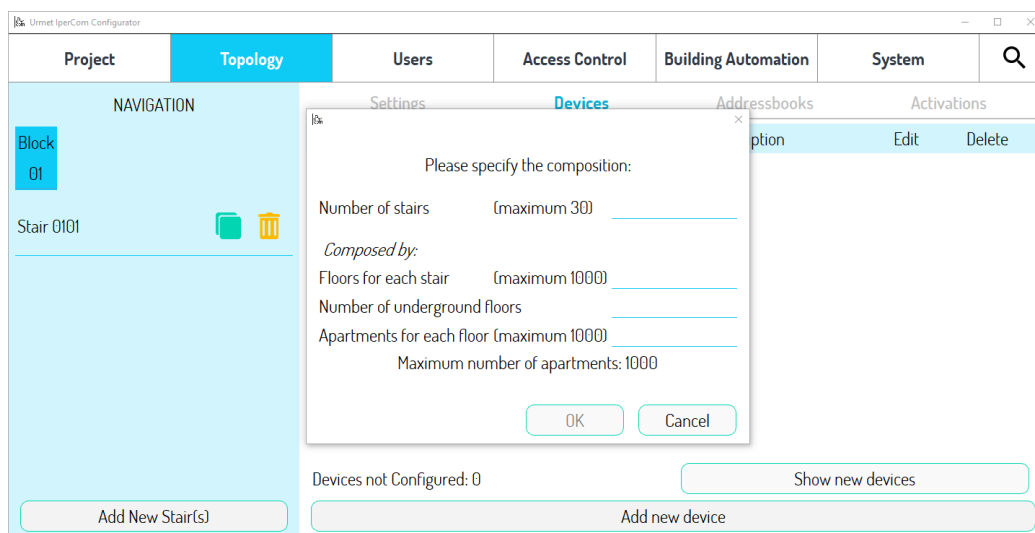


Figure 262: Adding of new stairs to the topology

#### 8.1.1.4 Multi Block systems

The last type of plant model supported by the *configurator* is the **Multi Block** one, that allows creating a project with any number of blocks/stairs/floors/apartments.

The selection of *Multi Block* as plant model automatically leads to the creation of a site without blocks, as shown in the following figure:

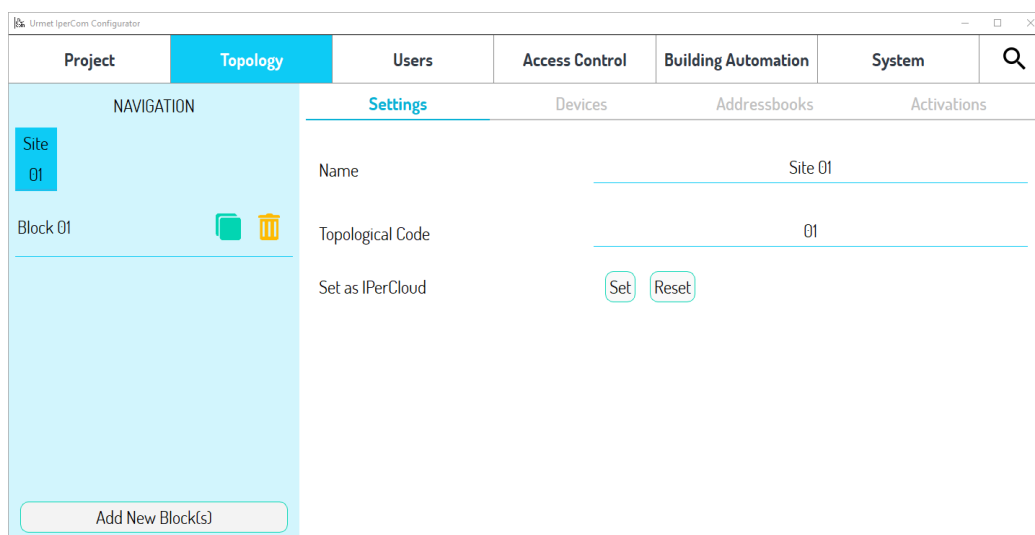


Figure 263: "Topology" tab for Multiple Block system

As in the previous cases it will be possible to add all the blocks with their stairs/floors/apartments with a single command:

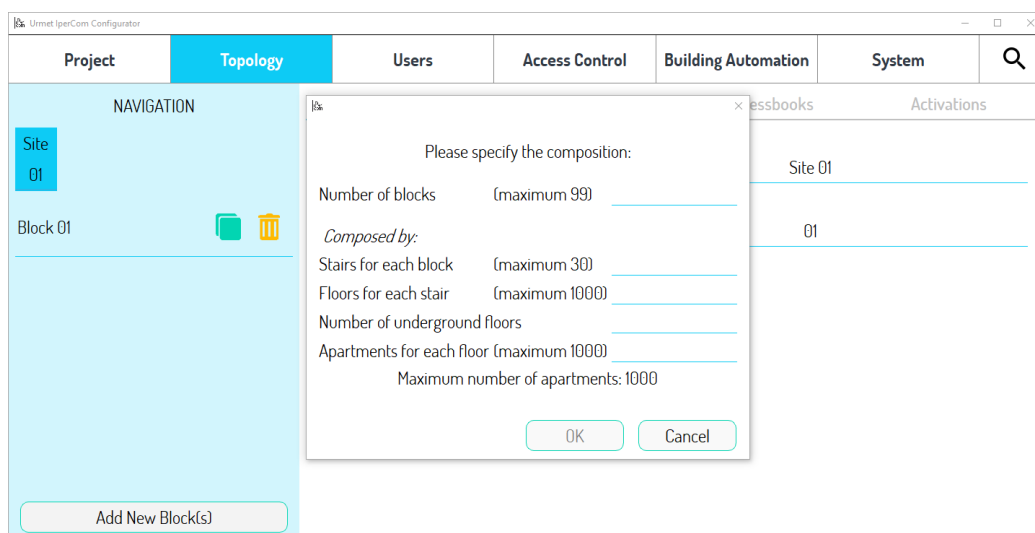


Figure 264: adding of new blocks to the topology

If the topological structure of the system is not homogeneous, it will be possible to add/remove blocks/floors/stairs/apartments later.

The configurations are created and edited using the *IPerCom Configurator* application, also known as the *configurator*.

The *configurator* consists of three main components, shown in the following figure:

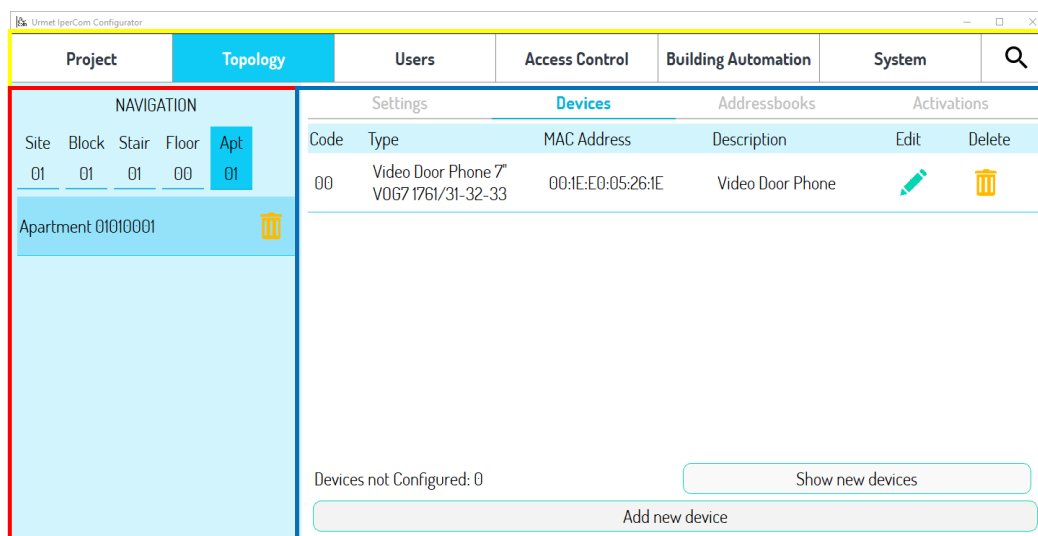


Figure 265: Main components of the configurator

It is possible to see:

- an *upper bar* (in yellow), which allows accessing to the main functions through the following items:
  - “*Project*”, to set the basic information about the project (name, installer password, etc.);
  - “*Topology*”, to change the system topology, add devices, create address books and set activations;
  - “*Users*”, to add residents and non-residents, as well as users enabled to access the *Switchboard* application, “*Access Control*”, to set the rules to access the system;
  - “*Building Automation*”, to define the activation rules of *Relay Actuator* of the system;
  - “*System*”, for the system global settings;
  - “*Search*”, to perform a fast search among the system elements.
- a *navigation module* (in red), to view and add/modify/remove system topological nodes: blocks, stairs, floors, and apartments;
- a *context module* (in blue), to set the configuration parameters.

### 8.1.2 Adding devices

Once the topology has been defined, it will be possible to add the devices in the system configuration.

There are 3 different ways to configure the devices, depending on whether you are connected to the system via PC.

In any case, regardless of the chosen installation mode and topology, it is necessary to associate each device to a topological node, bearing in mind that:

- calling stations (except *Private Call Module 1060/22*) and *Switchboards* cannot be associated to an apartment node;
- *Private Call Module* can be associated only to an apartment node;
- the *IPerCom-2Voice Gateway* and the *Lift Interface* can only be added to a stair node.

The apartment stations are not subject to any rules and therefore can be associated with any topological node, therefore also with nodes such as site, block, stair, or floor. This is useful if you want to provide a "*calling station*" in a "*Swimming pool*" room associated (for example) with a stair node: by positioning a video door phone on this node it is possible to call the *Switchboard* or be reached by calls from the *Switchboard* or from the apartments.

The "*IPerCom Clock Module*", where applicable, must be added in the configuration as every other device and can be positioned in any topological node of the system.

The device can be configured in 3 ways, as briefly described below.

The first method should be followed if you are not yet connected to the system, the others if you are connected to the system. In all cases, go to the "*Topology*" tab and then to the "*Devices*" tab.

## ADDING DEVICES TO THE CONFIGURATION THROUGH THE "ADD NEW DEVICE" BUTTON. NO CONNECTION TO THE SYSTEM.

The "Topology" tab and the relative "Devices" tab appear as shown below:

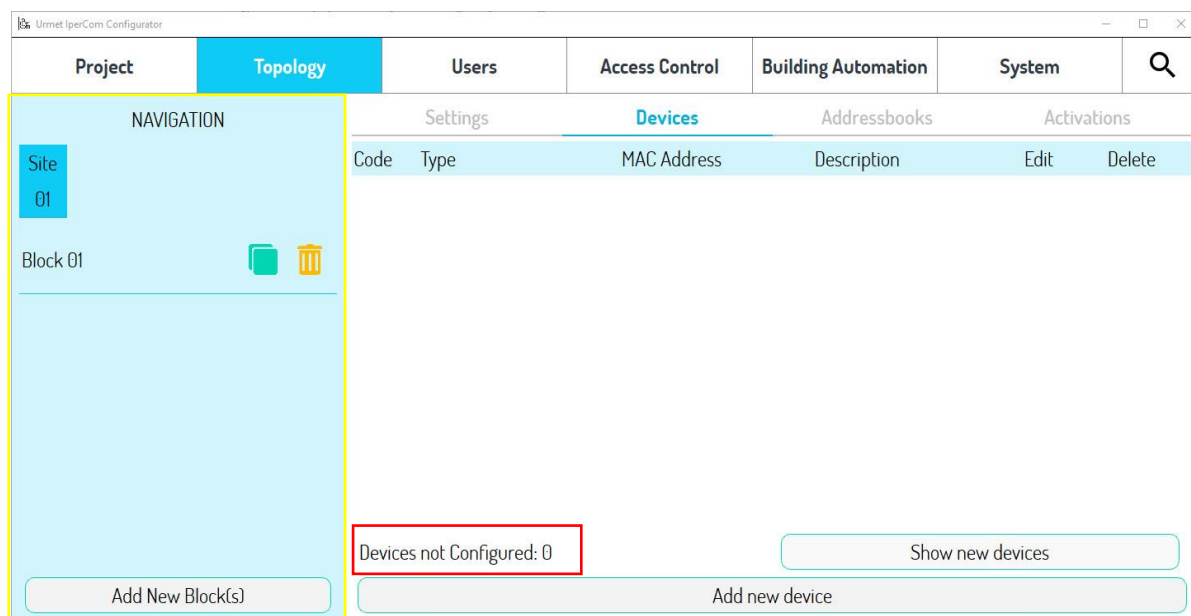


Figure 266: screen page through which to add devices without being connected to the system

Non-configured devices cannot be considered (red box) because you are not yet connected to the system and consequently the "Show new devices" button will display an empty list.

The configuration of the devices is always done by positioning on the node where they must be added through the navigation module (yellow box).

To add a new MAX video door phone to an apartment, the situation is shown below:

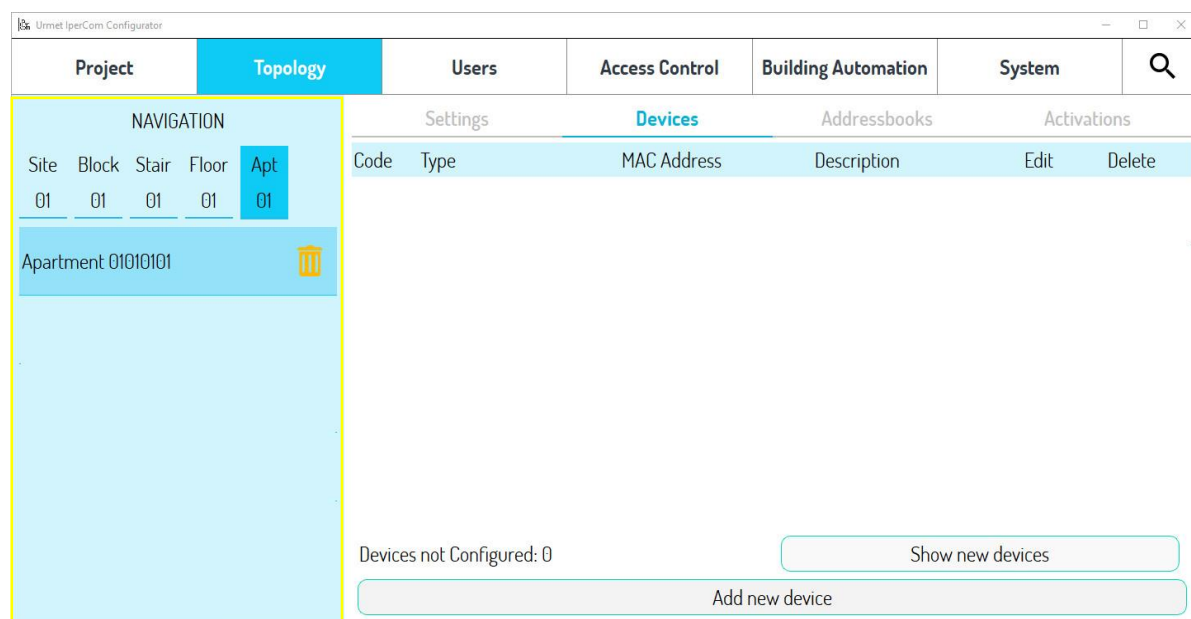


Figure 267: how to add a new device

Now simply press the "Add new device" button. A list of all devices that can be added to the apartment node is displayed:

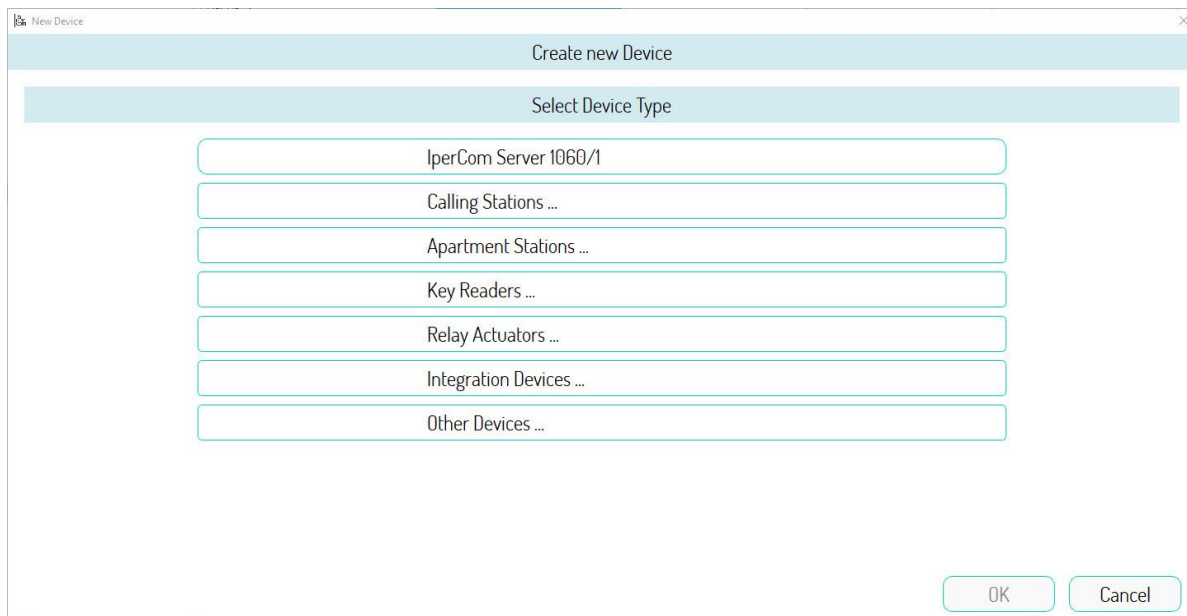


Figure 268: list of device categories that can be added on the apartment node

To add a MAX video door phone, simply press on "Apartment stations" item. The following screen opens:

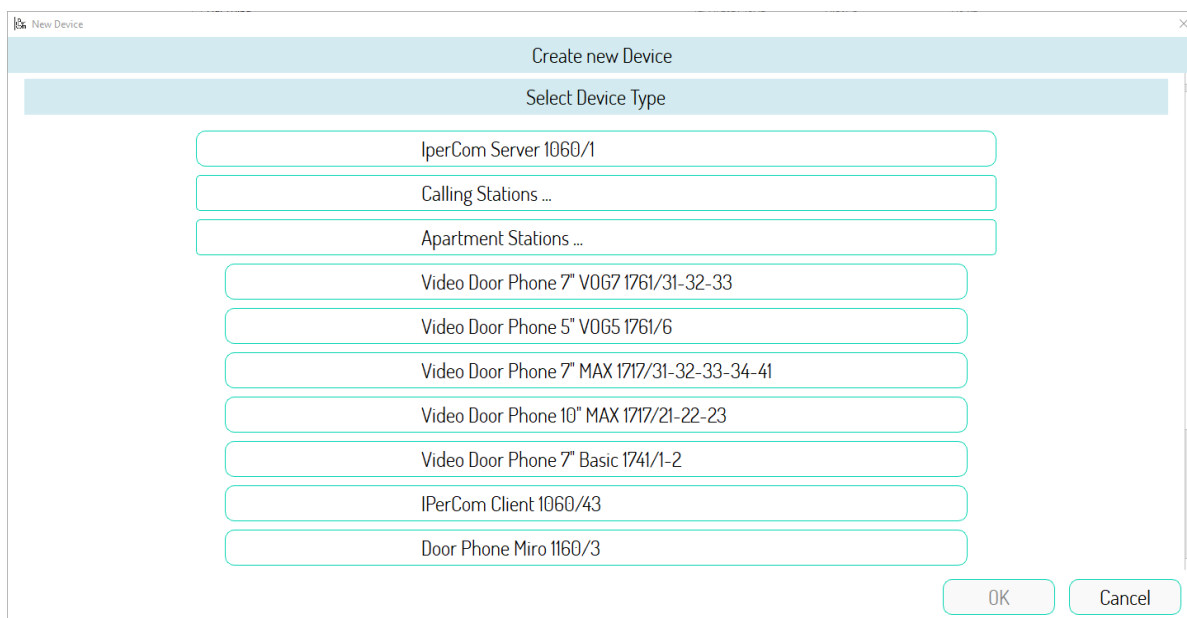
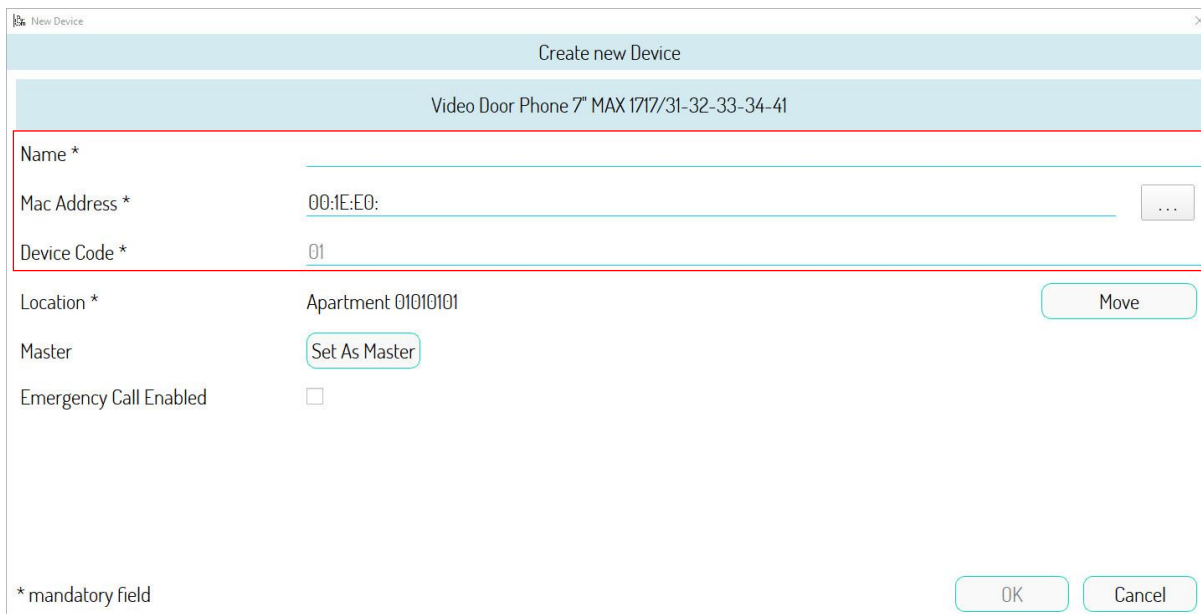


Figure 269: list of apartment stations

To add a **MAX** video door phone, simply press on “**Video door phone 7” MAX 1717/31-32-33-34-41**”. The following screen opens:



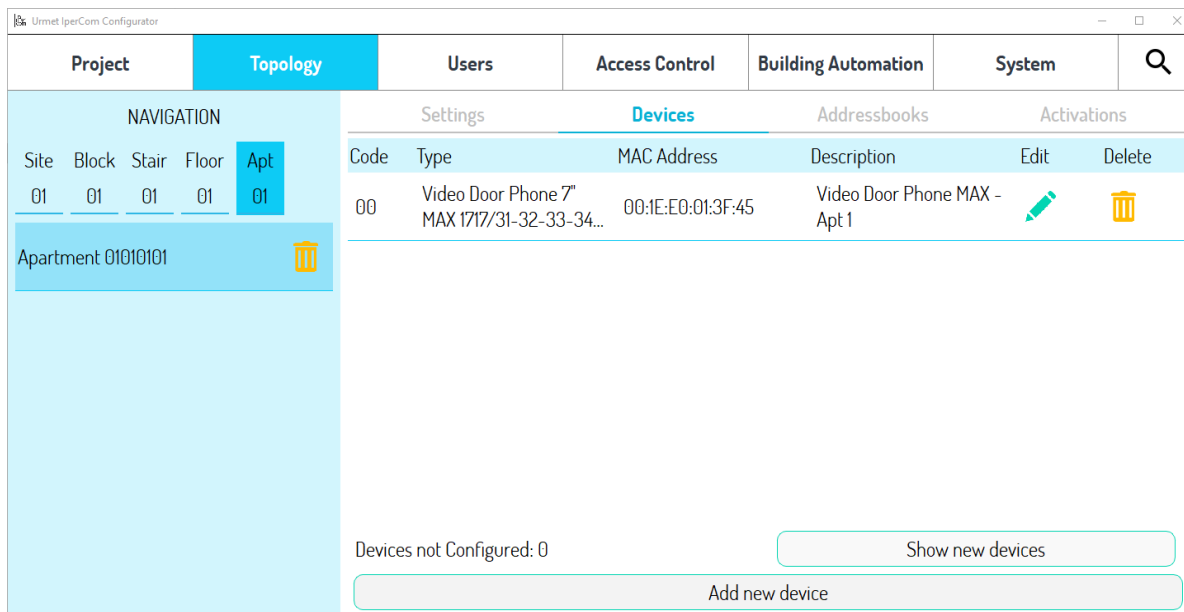
The dialog box titled "Create new Device" for "Video Door Phone 7" MAX 1717/31-32-33-34-41" contains the following fields:

- Name \***: A text input field.
- Mac Address \***: A text input field showing "00:1E:E0:" with a dropdown arrow.
- Device Code \***: A text input field showing "01".
- Location \***: A text input field showing "Apartment 01010101" with a "Move" button.
- Master**: A button labeled "Set As Master".
- Emergency Call Enabled**: A checkbox.

At the bottom, there is a legend "\* mandatory field" and "OK" and "Cancel" buttons.

Figure 270: MAX video door phone configuration

Fill in the fields in the red box to configure-the device in question (in this case the MAC address and a name to associate with the video door phone). After this operation, press the “**OK**” button: the **MAX** video door phone is displayed on the topological node previously chosen:



The main interface of the iPercom Configurator shows the following structure:

- NAVIGATION**: Site (01), Block (01), Stair (01), Floor (01), **Apt (01)**. Below is "Apartment 01010101" with a trash icon.
- Settings**: Code, Type, MAC Address, Description, Edit, Delete.
- Devices**: A table with one entry:
 

Code	Type	MAC Address	Description	Edit	Delete
00	Video Door Phone 7" MAX 1717/31-32-33-34...	00:1E:E0:01:3F:45	Video Door Phone MAX - Apt 1		
- Activations**: (Empty)

At the bottom, it shows "Devices not Configured: 0" and buttons for "Show new devices" and "Add new device".

Figure 271: Adding a MAX video door phone to an apartment

For the configuration of the other devices, it is therefore necessary to:

- position on the node where you want to add the device (through the navigation module);
- press the "Add Devices" button;
- choose the device to be added from the list of categories;
- configure the device;
- press the OK button in the relevant configuration screen.



In [Configuration parameters of IPerCom devices](#) the configuration parameters of all the IperCom devices are shown and explained in detail.



For each node selected in the "Settings" tab it is possible to customise the name of the node in question through the "Name" field.

#### ADDING DEVICES TO THE CONFIGURATION USING THE "SHOW NEW DEVICES" BUTTON WITH CONNECTION TO THE SYSTEM.

The "Topology" tab and the relative "Devices" tab appear as shown below:

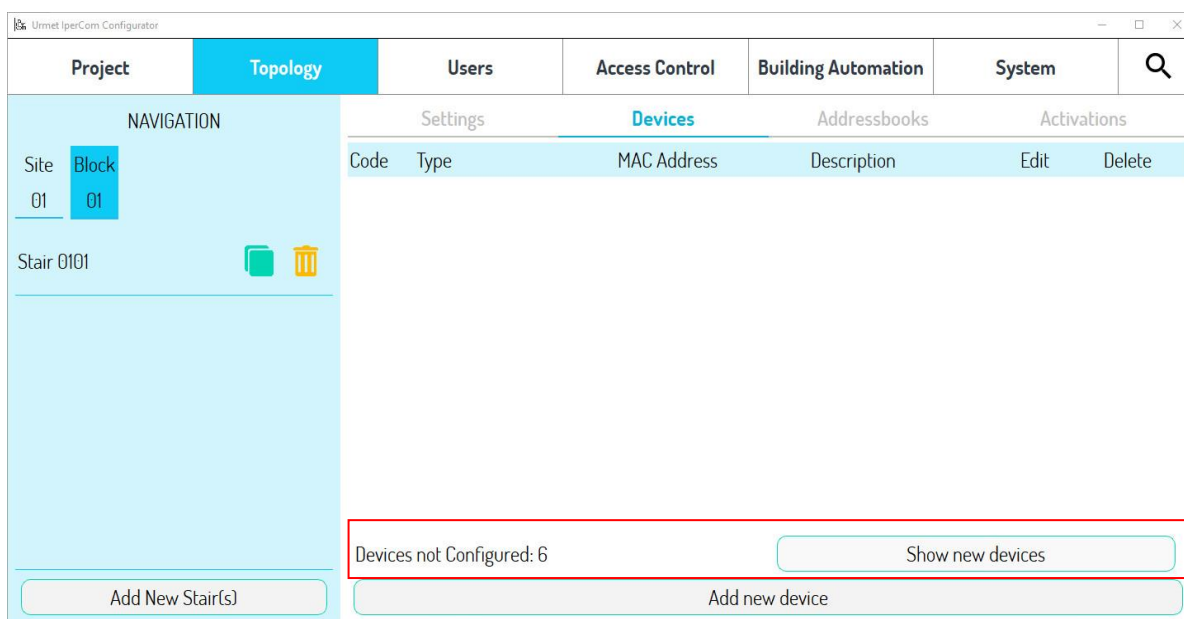


Figure 272: screen page through which to add the devices with connection to the system

Non-configured devices can be considered as you are connected to the system and consequently these will be displayed when pressing the "Show new devices" button (red box):

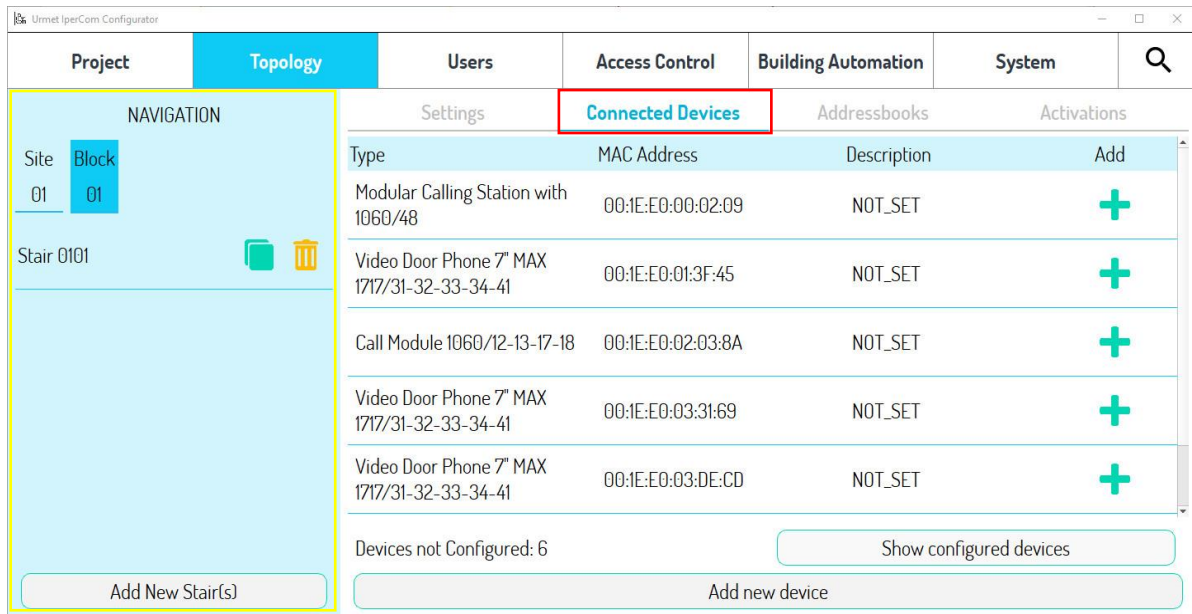




Figure 273: list of devices connected to the system and not yet configured

When displaying the list of devices to be configured, the "Devices" tab is renamed to "Connected Devices".

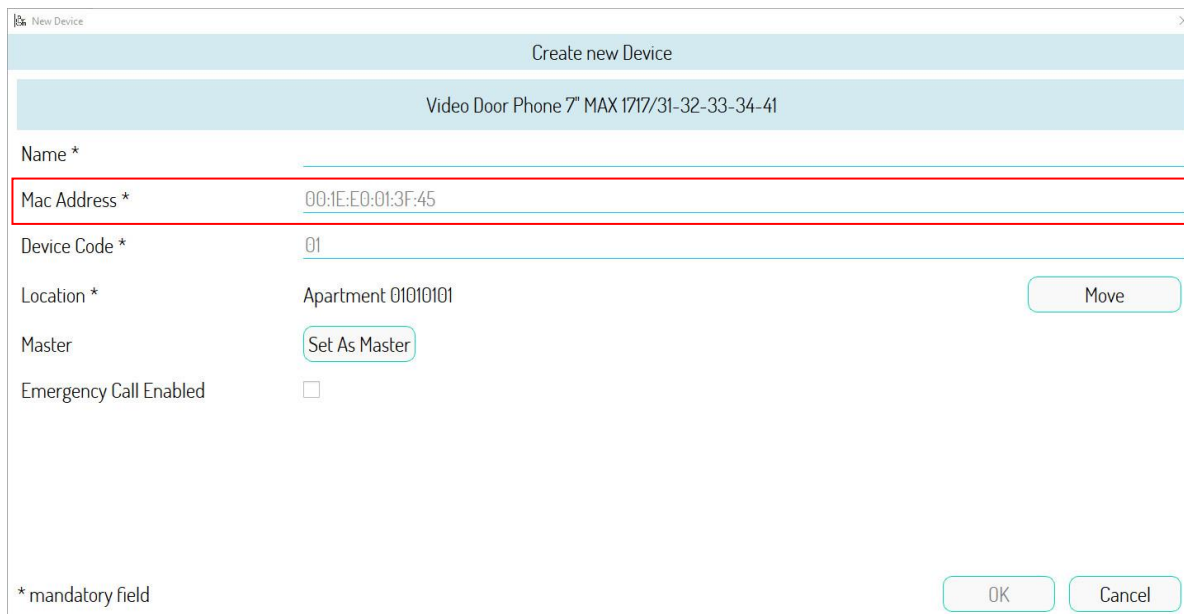
The advantage of this second way of proceeding is that all the devices to be configured are listed in a single screen page.

Configuration is done following the two steps below (like the first mode):

- select the node where to add the device through the navigation module (yellow box);
- press the  button for the device you are adding.

For example, if you want to add a MAX video door phone in an apartment, after positioning on the topological node in question, simply press the  button on the relevant video door phone.

The same configuration page appears as in the first mode, with the only difference that the MAC address field is already filled in:



**Create new Device**

Video Door Phone 7" MAX 1717/31-32-33-34-41

Name \*

Mac Address \* 00:1E:E0:01:3F:45

Device Code \* 01

Location \* Apartment 01010101 Move

Master Set As Master

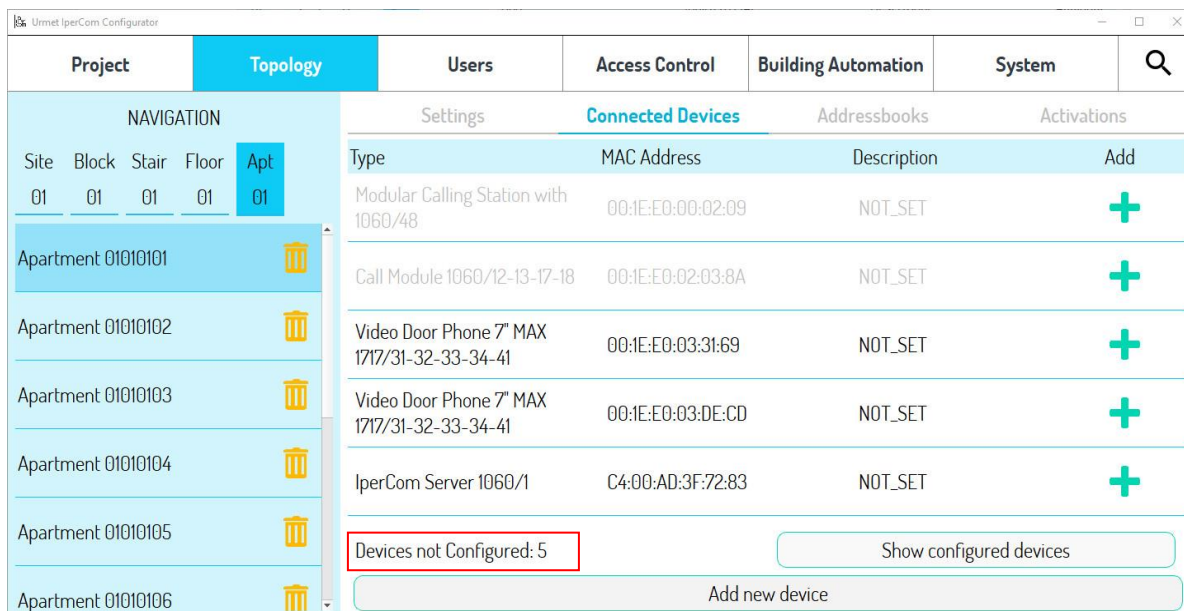
Emergency Call Enabled ☐

\* mandatory field

OK Cancel

Figure 274: MAX video door phone configuration with MAC address already filled in

Once the MAX video door phone has been configured, press the "OK" button to return to the list of devices to be configured:



Project					Topology	Users	Access Control	Building Automation	System	Q
NAVIGATION					Settings	Connected Devices		Addressbooks	Activations	
Site	Block	Stair	Floor	Apt	Type	MAC Address	Description	Add		
01	01	01	01	01	Modular Calling Station with 1060/48	00:1E:E0:00:02:09	NOT_SET	+		
Apartment 01010101					Call Module 1060/12-13-17-18	00:1E:E0:02:03:8A	NOT_SET	+		
Apartment 01010102					Video Door Phone 7" MAX 1717/31-32-33-34-41	00:1E:E0:03:31:69	NOT_SET	+		
Apartment 01010103					Video Door Phone 7" MAX 1717/31-32-33-34-41	00:1E:E0:03:DE:CD	NOT_SET	+		
Apartment 01010104					IperCom Server 1060/1	C4:00:AD:3F:72:83	NOT_SET	+		
Apartment 01010105					Devices not Configured: 5		<span>Show configured devices</span>			
Apartment 01010106					<span>Add new device</span>					

Figure 275: devices still to be configured

As you can see, the "Non-configured Devices" field shows 4 (compared to the initial 5 non-configured devices).

The "Show configured devices" button instead shows the devices configured on the topological node in question:

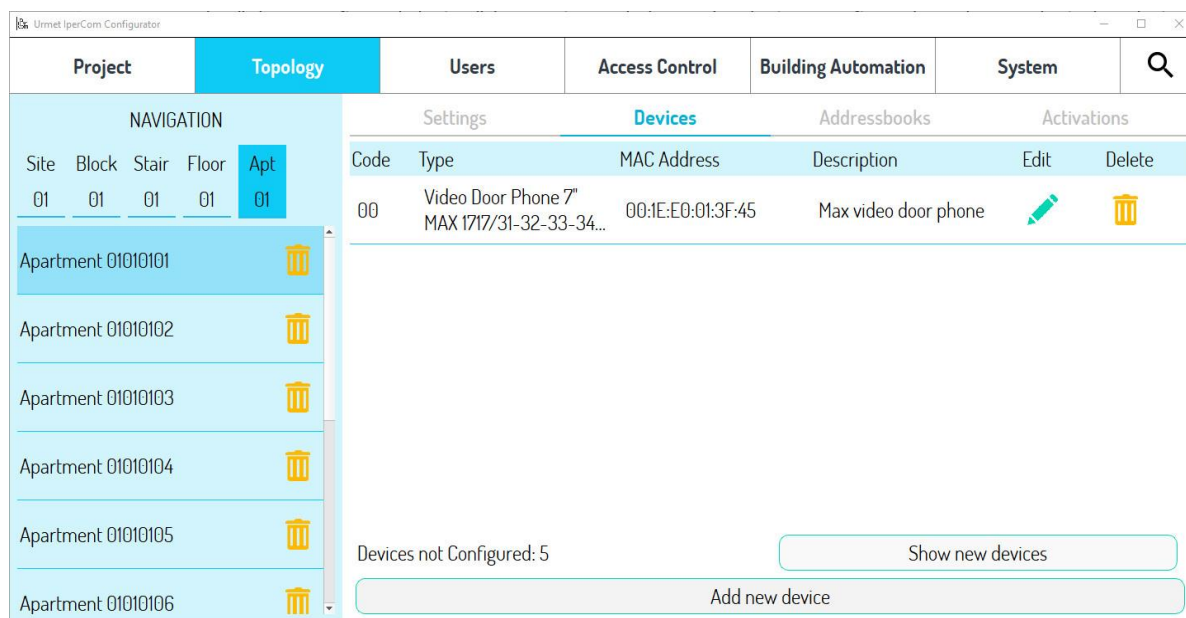



Figure 276: Adding a MAX video door phone to an apartment



If there are devices that cannot be configured on the topological node where you have positioned, they appear in light grey and the relevant button  is disabled.

Once the configuration of all the devices has been completed, the "Non-configured Devices" field will show the value 0 and the relevant list accessible through the "Show new devices" button will be empty.

To view the devices configured on each topological node through the navigation module, select a topological node, then use the "Devices" tab to display a list of the devices configured in the topological node chosen.

## ADDING DEVICES TO THE CONFIGURATION USING THE "ADD NEW DEVICE" BUTTON WITH CONNECTION TO THE SYSTEM.

This procedure is like the first one with the only difference that in the device configuration phase for entering the MAC address, it is useful to use the "..." button, as shown in the figure in the case of a MAXvideo door phone:

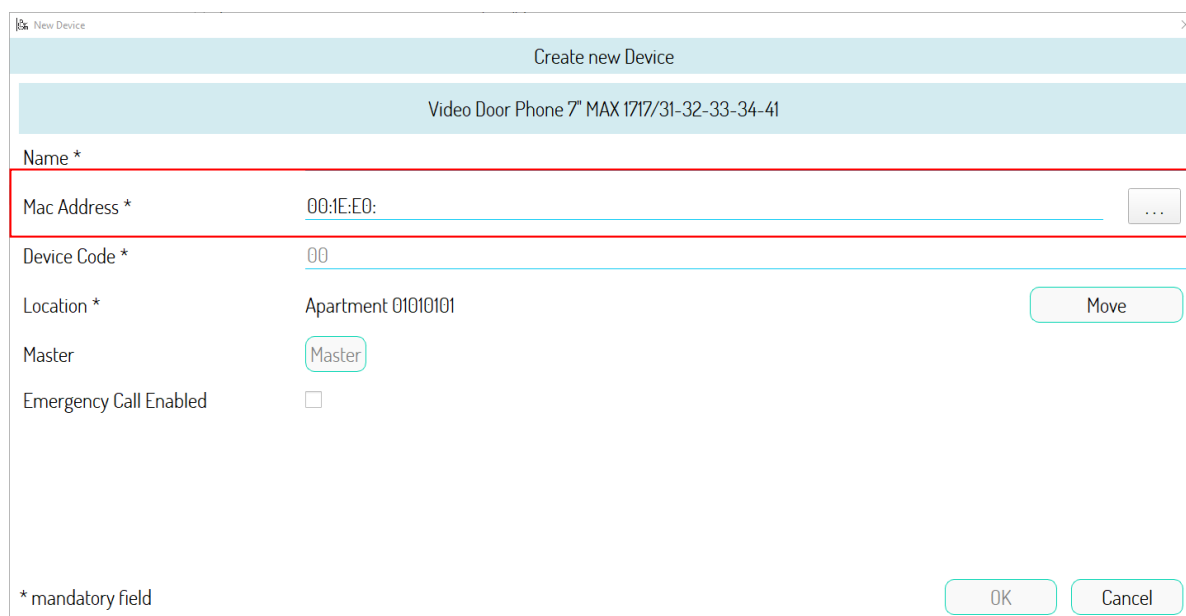
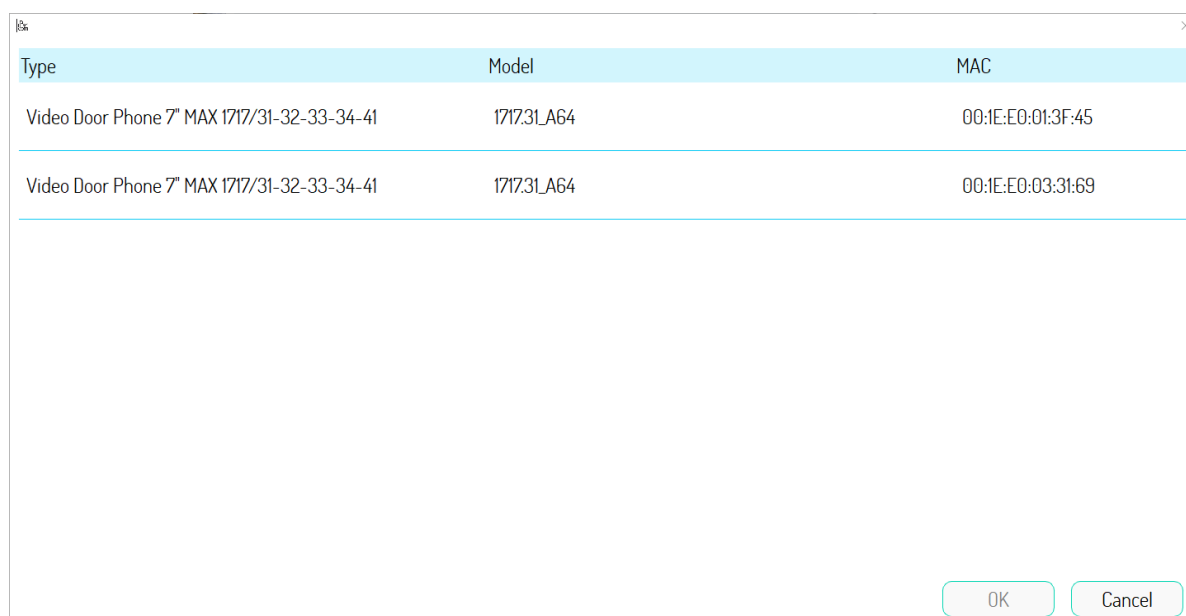


Figure 277: MAC address entry when connected to the system

By pressing the "..." button and then the "Scan" button, a list of all the MAX video door phones installed in the system with their MAC address but not yet added to the configuration is displayed:



Type	Model	MAC
Video Door Phone 7" MAX 1717/31-32-33-34-41	171731A64	00:1E:E0:01:3F:45
Video Door Phone 7" MAX 1717/31-32-33-34-41	171731A64	00:1E:E0:03:31:69

Figure 278: list of devices installed but not configured

Simply select the device to add, identifying it through its MAC address, and it is filled in automatically.



*If you are connected to a system with one or more Servers 1060/1, they must be configured if you want to save the system configuration. Otherwise, it is impossible to save the configuration and the configurator shows the message below:*

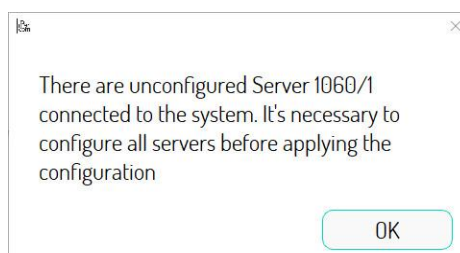


Figure 279: message when Servers 1060/1 are not configured

*This is to avoid starting a system with Servers 1060/1 connected but not configured: the concerned system will not operate properly.*

#### 8.1.2.1 Adding a Gateway IPerCom-2Voice on a stair node

If a Gateway IPerCom-2Voice 1083/59 has been added on a stair node with one of the methods described above, the configurator has some differences compared to the addition of other devices. The addition of a Gateway IPerCom-2Voice 1083/59 on a stair node highlights the fact that on that stair node you want to install a riser column of 2Voice audio / video apartment stations. To distinguish the stairs with IPerCom audio / video apartment stations from the 2Voice stairs, these ones and all their underlying nodes are highlighted in yellow in the configurator's navigation module:

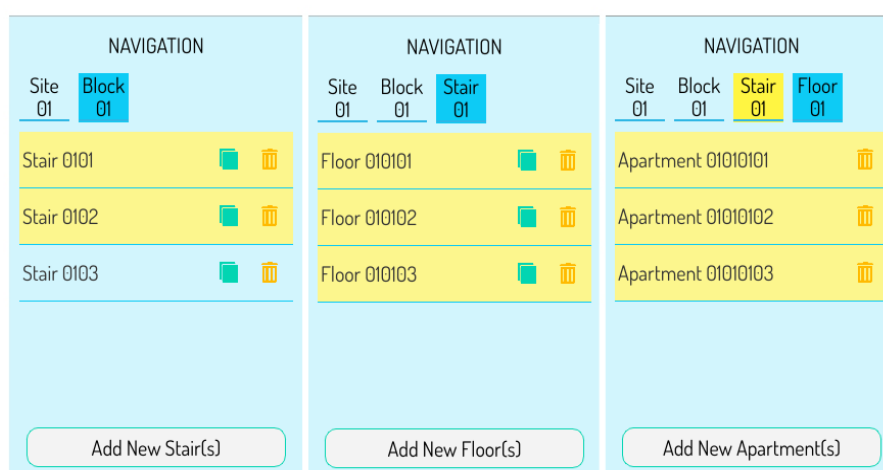


Figure 280: Stairs where a Gateway IPerCom-2Voice is placed with underlying floors and apartments

On the nodes below the stair node (floors and apartments) and on the stair node itself, where a *Gateway IPerCom-2Voice* 1083/59 has been placed, it is not possible to add any device; the "Add new device" button on these nodes shows the following screen:

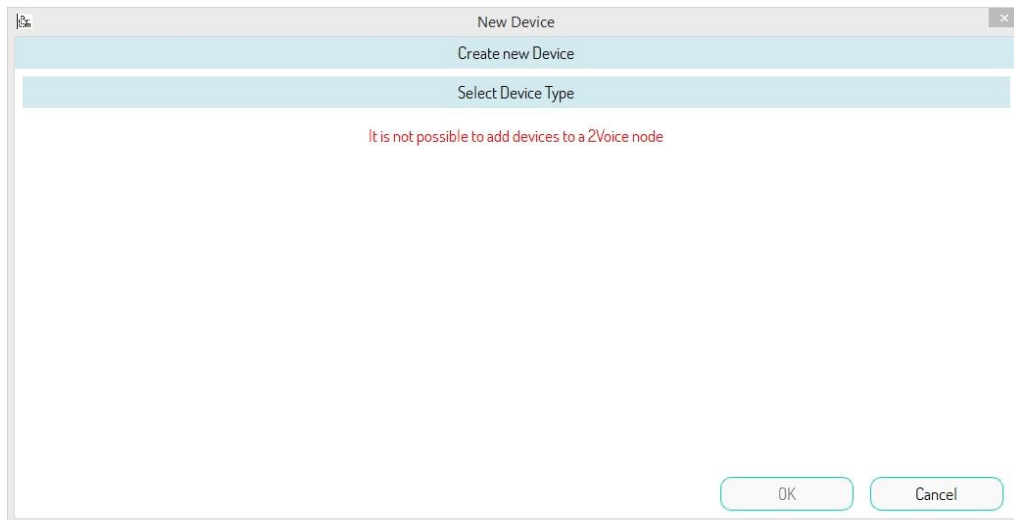


Figure 281: Adding devices on nodes below a stair with Gateway IPerCom-2Voice

On the stair node where the *Gateway 2Voice* was added, it is possible to add new devices, if these are not apartment stations.

If a gateway is added on a stair node under which several IPerCom devices are placed, these will be deleted (excluding those placed on the stair node itself):

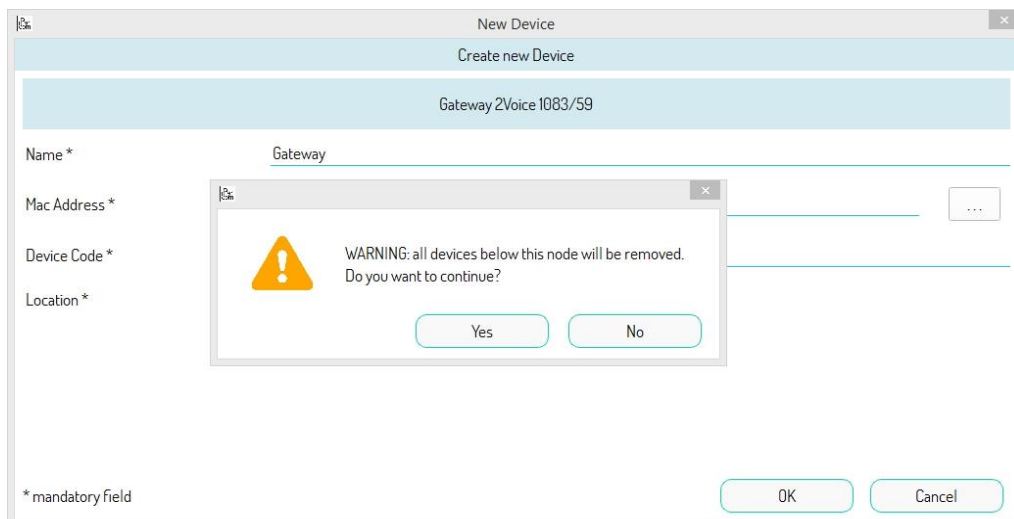


Figure 282: Remove devices if a gateway is added in stair

The 2Voice apartments that are thus created under the stair, where the gateway is located, have a different setting page than the IPerCom apartments: in addition to the “Name”, “Topological Code”, “Numerical Code” or “Logical Code” fields (if the system is set in numerical or logical mode), the “2Voice Code” field also appears:

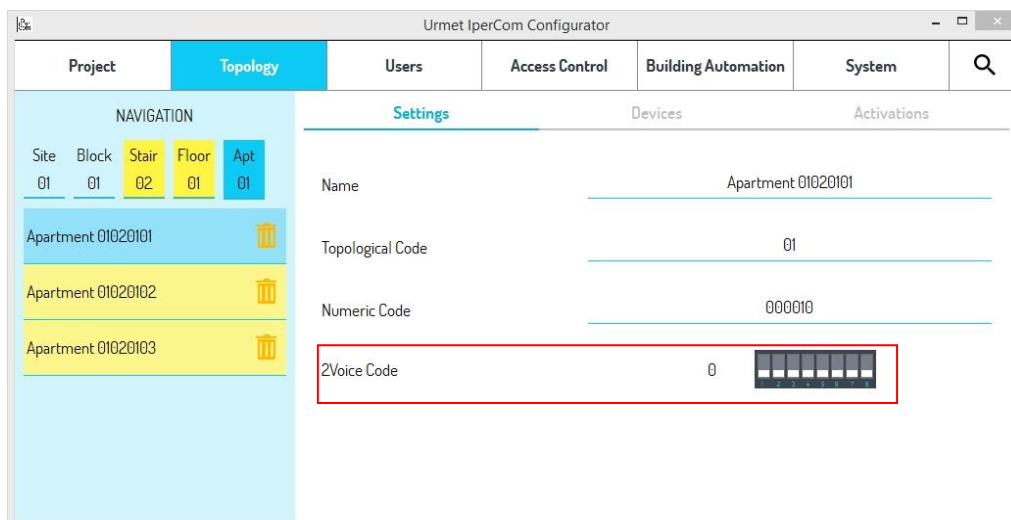


Figure 283: apartment 2Voice code setting

This field is used to set the physical code of the 2Voice user: the allowed values range from 0 to 126.

Pressing on the numerical value "0" opens the following window:

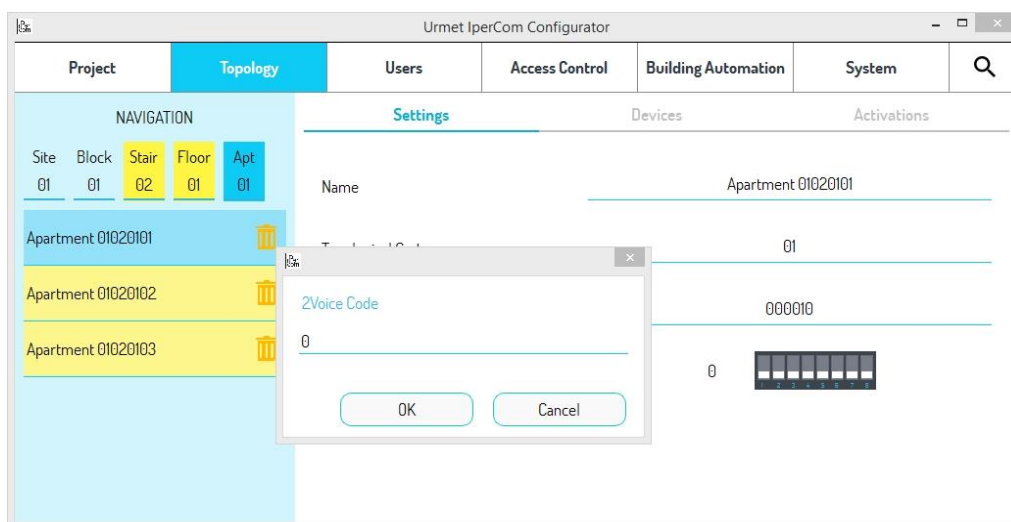


Figure 284: Window where enter apartment code

By entering an allowed value and pressing “OK”, the last 7 dip-switches in the image below are automatically positioned on the right position, to represent the previously entered number in binary format. Having entered 100, the figure shown below appears:

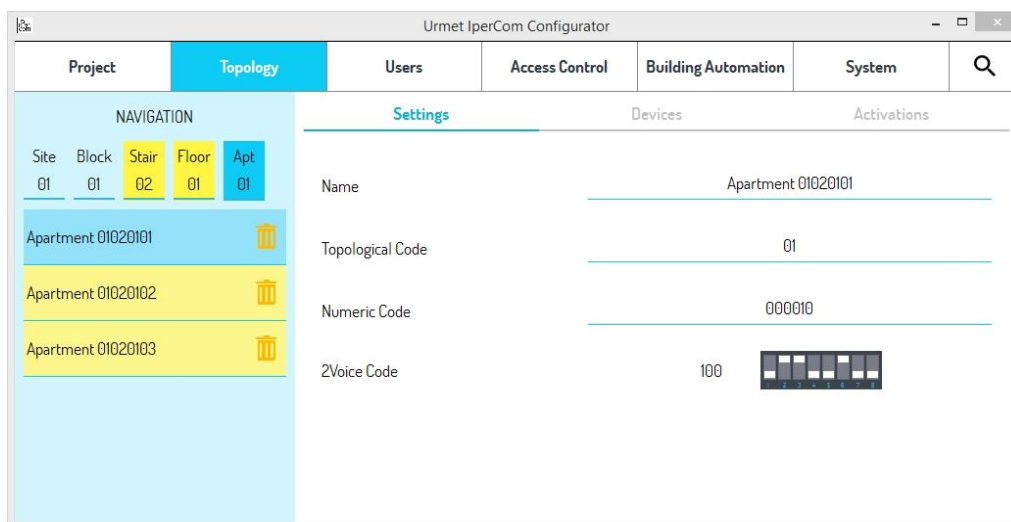


Figure 285: Binary code of the entered code

It is also possible to act directly on the dip-switches (pressing on the related image) to set the desired 2Voice code.

The setting of the dip-switches must be reported on apartment stations of the 2Voice riser column.

The first dip-switch (starting from the left) must not be modified as regards the setting of the physical code of the 2Voice users.

For details, follow the instructions in the 2Voice technical manual (available from the website [www.urmet.com](http://www.urmet.com)).



2Voice apartments cannot be set in IPerCloud mode.

### 8.1.2.2 Adding a Lift Interface 1060/37 on a stair node

Add a *Lift Interface* 1060/37 to control the lift control panels to enable the ascent only to the defined floors according to the apartment called. The interfacing to the lift control units is typically made by changing the status of one or more inputs of these control panels through control relays.

The IPerCom system allows you to choose (via the "Mode" drop-down menu) among 3 modes of use for the lift interface:

- "Lift interface",
- "Lift interface-RS485",
- "Relay Actuator Mode".

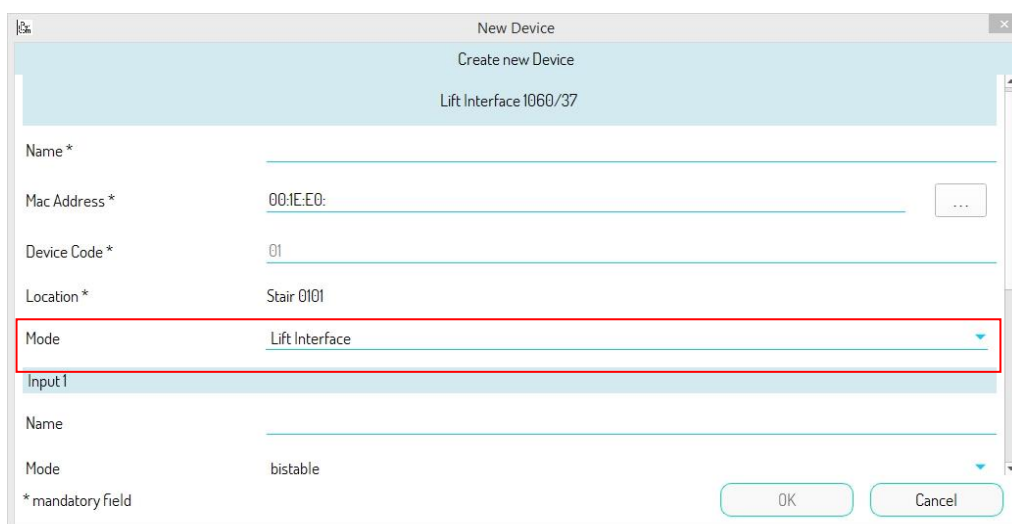


Figure 286: Lift Interface configuration - Selection of use mode

#### 8.1.2.2.1 Lift interface mode

The *Lift Interface* type allows you to associate relays to floors or apartments in the unit, it is possible to associate a relay to each floor (for example it is possible to associate a relay to each floor).

It is necessary to define the operating mode of the *Lift Interface*:

- "Floor",
- "Apartment".

The setting is made for each individual stair, as shown in the following figure. The first mode allows you to associate the interface commands according to the floor of the apartment: in this case several apartments on the same floor will share the same relay activation layout. The second mode allows you to associate a different configuration of commands for every single apartment in the unit: it is useful if there are several apartments on the same floor, each with its own dedicated lift.

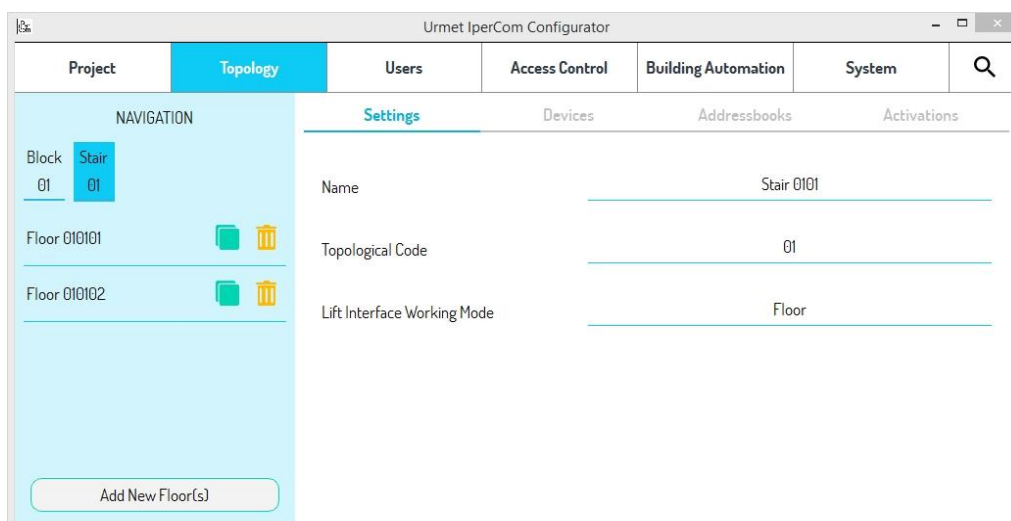


Figure 287: Lift Interface setting - Mode selection

#### 8.1.2.2.1.1 Creating the path

The lift interface is equipped with 24 relays that can be configured through the *IperCom Installer Tools configurator*, so that they close in response to an event occurring in the system. A typical case is to enable the visitor who accesses the residential complex to use a lift to access only the floor, or the apartment according to the operating mode, where the person with the selected name lives. For this to be possible, it is necessary to create a "path", i.e. an association between the access that allows accessing the structure (for example a main or secondary call station or a proximity reader module) and the destination to which the visitor will move, i.e. the floor/apartment.

To access the path configuration, it is necessary to enter the configuration page of the device, at the lift interface you want to configure. In the "paths" section the list of all paths already configured is shown. It is possible to edit or delete an existing path by pressing the "Edit" and "Delete" icons. It is possible to create a new path by pressing the "Add Path" button.

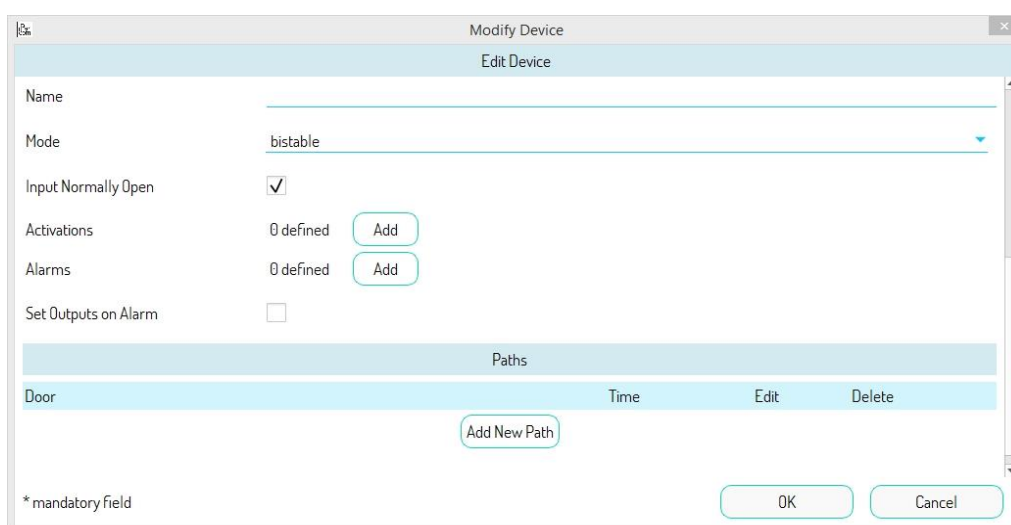


Figure 288: Lift interface configuration - Creating the access path

To create a path, it is necessary to select an access available in the system from the list. The types of devices that can be selected are:

- *Call Module 1060/12-13-17-18-23,*
- *Modular Calling Station with 1060/48,*
- *Entry panels 1060/21-33-34-71-74-75,*
- *Key readers 1060/45,*
- *Key readers 1060/86,*
- *Switchboard 1060/41.*

Then it is necessary to set the activation time of the relays associated with the path. The following options are possible:

- *"15 seconds",*
- *"5 minutes",*
- *"Unlimited",*
- *"Customized".*

In the last case it is necessary to specify the duration in seconds for which you want the relays to remain energised.

#### 8.1.2.2.1.2 Control Relay Assignment

The configuration of a lift interface is completed by assigning the control relays to the floors/apartments concerned. The way to make the assignment is the same whether it is used in "Floor" or "Apartment" mode, what changes is the section where the configuration is made: in the first case within the floor, in the second case within the apartment. Basically, it is necessary to match each floor/apartment you want to enable with the switching of one or more relays necessary to allow the lift to rise.



*The possibility to activate even more than one relay for each floor/apartment is present to make complex selections, if required by the lift control panel (e.g. enabling via a multi-digit binary code).*

### 8.1.2.2.1.3 Assignment in *Floor* mode

Since the assignment operation is carried out through the settings of each *Floor* concerned, it is necessary to first select the desired floor, choose the lift interface to configure and finally enable the relays to be activated.

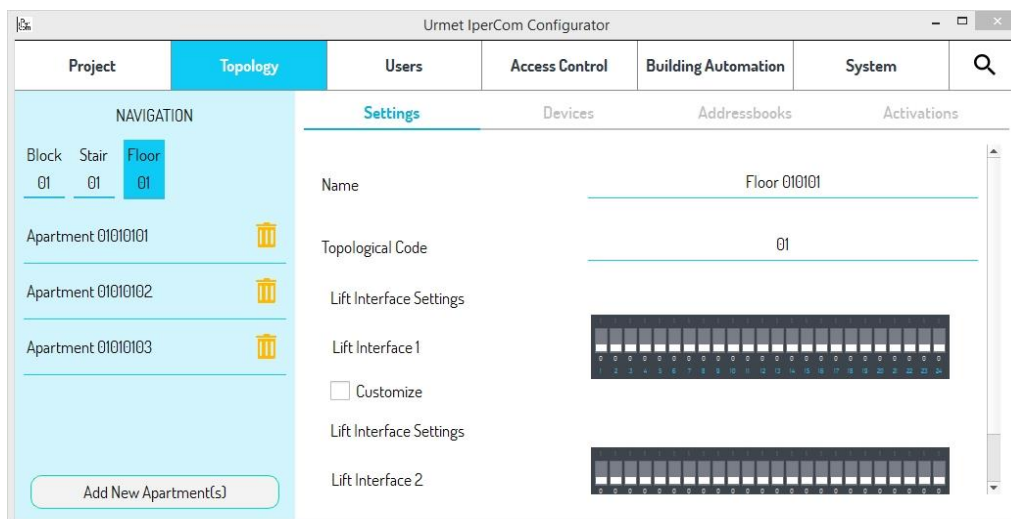


Figure 289: Lift Interface association - Floor selection

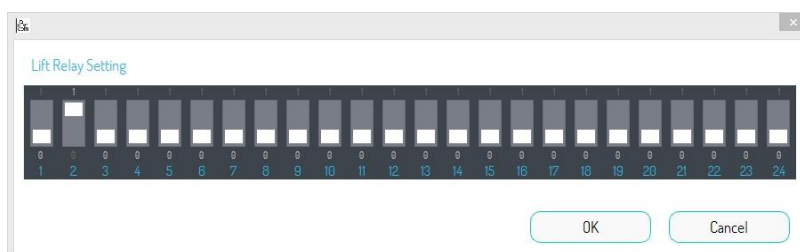


Figure 290: Lift Interface association - Enable control relay in floor mode

This operation must be repeated for each floor. The figures above show for example the activation of relay **1** in case you want to enable the lift on **Floor 01**.



*Each lift interface acts exclusively within the block/unit to which it is associated, so the floors to be selected will only be those relevant to its block and unit.*

In a very active system, where several paths have been configured, each with its own activation time, the relay opening times may overlap, for example:

- **Path 1**
  - From the main entry panel to the lift.
  - 1st floor
  - Activation time: 5 minutes.
- **Path 2**
  - From the secondary entry panel to the lift.
  - 2nd floor
  - Activation time: 7 minutes.
- **Path 3**
  - From the proximity reader to the elevator.
  - 5th floor
  - Activation time: 10 minutes.

A visitor makes a call from the main entry panel to an apartment on the 1st floor (**Path 1**). When the apartment station of the apartment opens the door, a command is sent to the lift interface that enables the relevant relay(s) for 5 minutes. If within 5 minutes a call is made from the secondary entry panel to an apartment on the 2nd floor (**Path 2**) and in the meantime a door is opened through the proximity reader, for example in the garage, by a 5th floor resident (**Path 3**), the lift interface will ensure the activation time of the first call (**Path 1**) and at the same time, from the moment the lift interface has received the relay(s) activation command, the activation time of the second and third call (**Path2** and **Path 3**).

If there is a *Switchboard* 1060/41 connected to a PC using the *SwitchBoard* application, it is necessary to create a path between the two devices. In the path settings the *Switchboard* does not have the **Activation time** parameter to configure as, for example, the call modules, because it is the switchboard operator who decides the activation time when enabling the output manually. For more details, see the [Switchboard user manual](#).

#### 8.1.2.2.1.4 Assignment in Apartment mode

In this case the assignment operation is carried out through the settings of each apartment, it is necessary to first select the desired floor, choose the lift interface to configure and finally enable the relays to be activated.

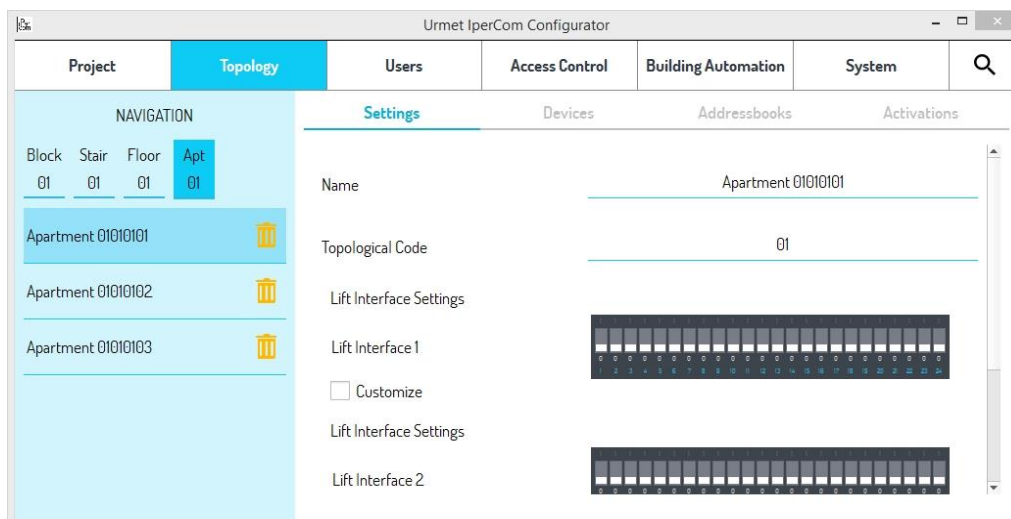


Figure 291: Lift Interface assignment - Apartment selection

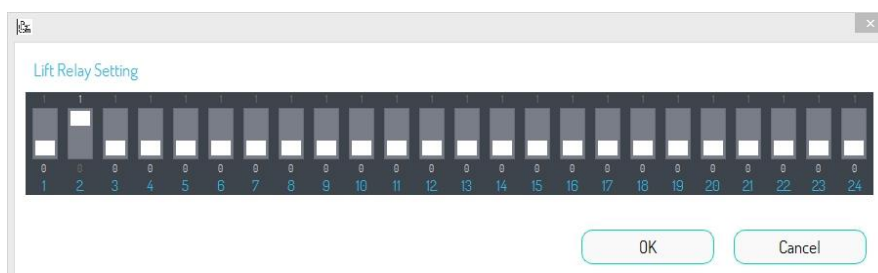


Figure 292: Lift Interface assignment - Enabling control relay in Apartment mode

As in the case described above, this operation must be repeated for each apartment. The figures above show for example the activation of relay **1** in case you want to enable the lift on **Apartment 1**.



*Each lift interface acts exclusively within the block/unit to which it is associated, so the apartments to be selected will only be those relevant to its block and unit.*

#### 8.1.2.2.2 Access for non-residents

It is also possible to configure access paths for non-resident users. In the users section choose a "[Not residents](#)" user in case he/she is already present in the system, or press "Add" to create a new one (to add a *non-resident* user, see paragraph [Not residents](#)). After the selection, the following screen will open:

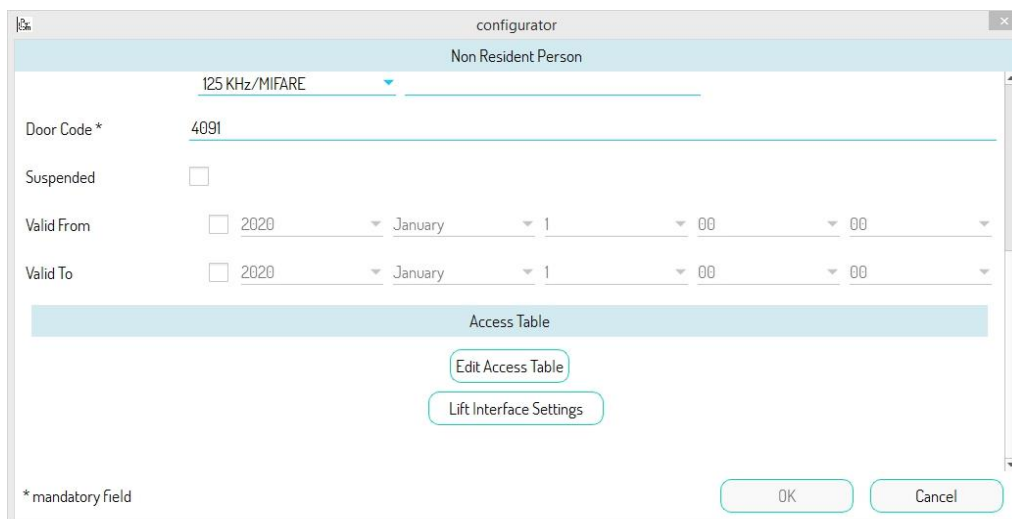


Figure 293: Lift Interface assignment - Setting of non-resident user paths

Press the "*Lift Interface Settings*" button to configure relay enabling.

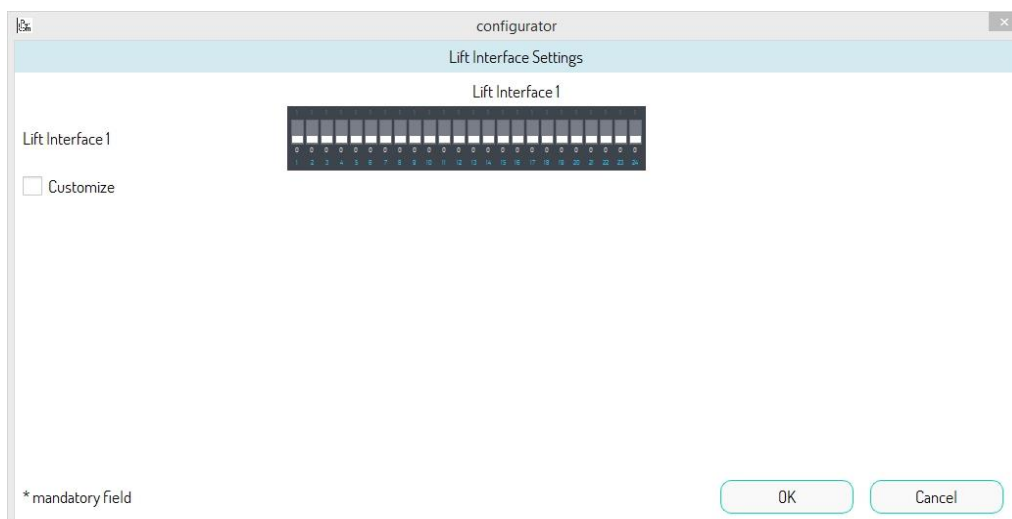


Figure 294: Lift Interface assignment - Enabling non-resident user relays (part 1)

In this screen it is possible to enable the relays that will be activated according to a certain event (e.g. by entering the door opener code) on all the paths created between the lift interface and the various devices.

Tick the "Customise" box to enable the relays to every single path created between the lift interface and the various devices.

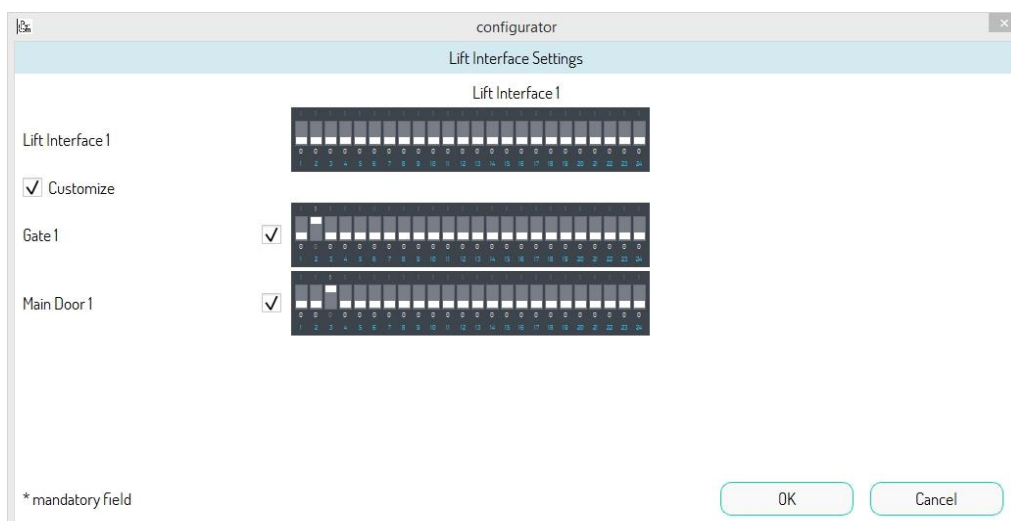


Figure 295: Lift Interface assignment - Enabling non-resident user relays (part 2)

#### 8.1.2.2.3 Lift interface-RS485 mode

The **Lift Interface-RS485** type allows interfacing the device with a possible third-party controller. In this case the lift interface will only communicate the event occurred in the system to the third-party controller that will perform the actions programmed according to the above event.

#### 8.1.2.2.4 Relay Actuator Mode

The “*Relay Actuator Mode*” type allows the lift interface to be used exactly like a *Relay Actuator 1060/84* but with 24 outputs. For relay operation and configuration, see paragraph [Configuration parameters of IPerCom devices](#).

### 8.1.3 System IPerCom in IPerCloud mode

The creation of the configuration of IPerCom systems in IPerCloud mode must be done exclusively starting from *IPerCom Installer Tools* (with authentication on Urmet Cloud) and not from the video door phones that integrate the *configurator* (VOG<sup>7</sup>, MAX or Basic).

Any changes must also always be made by *IPerCom Installer Tools* starting from the relevant project. This is necessary to always have the installer site aligned with the building manager site transferred via *IPerCom Installer Tools in CallMe*.

Given the above, to configure an IPerCom system in IPerCloud mode it is necessary:

- evaluate whether it is necessary to add a 1060/1 *Server* to the configuration;
- configure the relevant apartments in IPerCloud mode.

These aspects are explained in detail in the following paragraphs.

#### 8.1.3.1 Addition in configuration of a Server 1060/1 on an IPerCom system in IPerCloud mode

In IPerCom systems in IPerCloud mode the choice of the calling station model and the number of IPerCloud apartments may require the presence of a *Server 1060/1* for the system to function correctly.

Depending on the two variables reported above, the *Server 1060/1* is not required in the following 3 types of system configurations:

#### CONFIGURATION 1:

- calling stations of type *Modular Calling Station with 1060/48*;
- a maximum of 200 IPerCloud apartments.

To this system configuration it is possible to add one or more calling stations of the type *Entry Panel 1060/33-34* and/or *Entry Panel 1060/21*.

#### CONFIGURATION 2:

- calling stations of type *Entry Panel 1060/33-34*;
- a maximum of 32 IPerCloud apartments.

To this system configuration it is possible to add one or more calling stations of the type *Entry Panel 1060/21*.

### CONFIGURATION 3:

- calling stations of type *Entry Panel 1060/21*;
- a maximum of 20 IPerCloud apartments.

If in the IPerCom system in IPerCloud mode it is instead required to have:

- at least one calling station other than *Modular Calling Station with 1060/48* or *Entry Panel 1060/33-34* or *Entry Panel 1060/21*,

or

- several IPerCloud apartments greater than 200,

or

- only *Entry Panels 1060/33-34* with several IPerCloud apartments greater than 32,

or

- only *Entry Panels 1060/21* with several IPerCloud apartments greater than 20,

then it is necessary to have at least one 1060/1 *Server* in the system.



*In a system with IPerCloud apartments without any calling station and with at least one Switchboard 1060/41, it is necessary to have at least a Server 1060/1.*



*The request for a 1060/1 Server may still be mandatory if the number of apartments or devices or users (residents and not-residents) is greater than 1000.*

In relation to the case of IPerCom systems in IPerCloud mode, if the presence of a 1060/1 *Server* is requested, the *configurator* signals any lack of it in the configuration via a message when saving the configuration itself (see paragraph [How to save the configuration](#)):

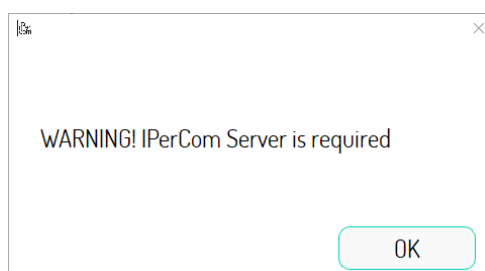


Figure 296: message on configurator in the absence of Server 1060/1

If the 1060/1 *Server* is added to the configuration but is not physically installed on the system, during the saving phase the *configurator* allows you to save the configuration but when you try to apply it via *IPerCom Installer Tools* the following message is shown (within 5 minutes):

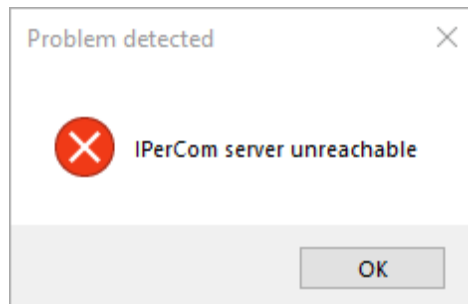


Figure 297: message on IPerCom Installer Tools in the presence of Server 1060/1 added on the configurator but not present on the system

In addition, the *VOG<sup>7</sup>*, *VOG<sup>5+</sup>*, *VOG<sup>5</sup>*, *MAX* video door phones, *Switchboard* and *IPerCom Client* applications show a screen like the one below:

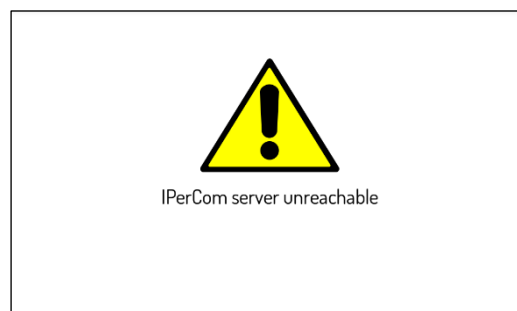


Figure 298: message on MAX, *VOG<sup>7</sup>*, *VOG<sup>5</sup>*, *VOG<sup>5+</sup>*, *Switchboard* and *IPerCom Client* in the presence of Server 1060/1 added on the configurator but not present on the system

Calling stations equipped with displays show a screen indicating that the device is not configured.

It is therefore necessary to connect physically at least one 1060/1 *Server* to the system and add it as a device to the system configuration. If one or more *Server* 1060/1 are connected to the plant but not configured, the following message is shown (with or without IPerCloud apartments):

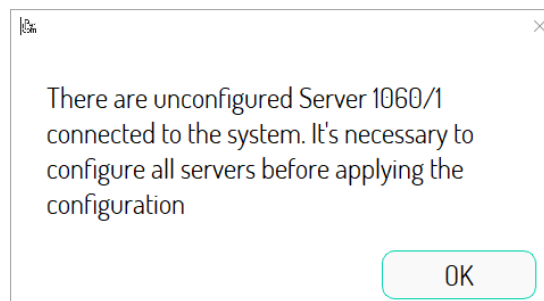


Figure 299: message in case of Server connected to the system but not configured

### 8.1.3.2 How to set up an apartment in IPerCloud mode

To set up an apartment in IPerCloud mode it is necessary to select the relevant node and the "Settings" tab, as shown below:

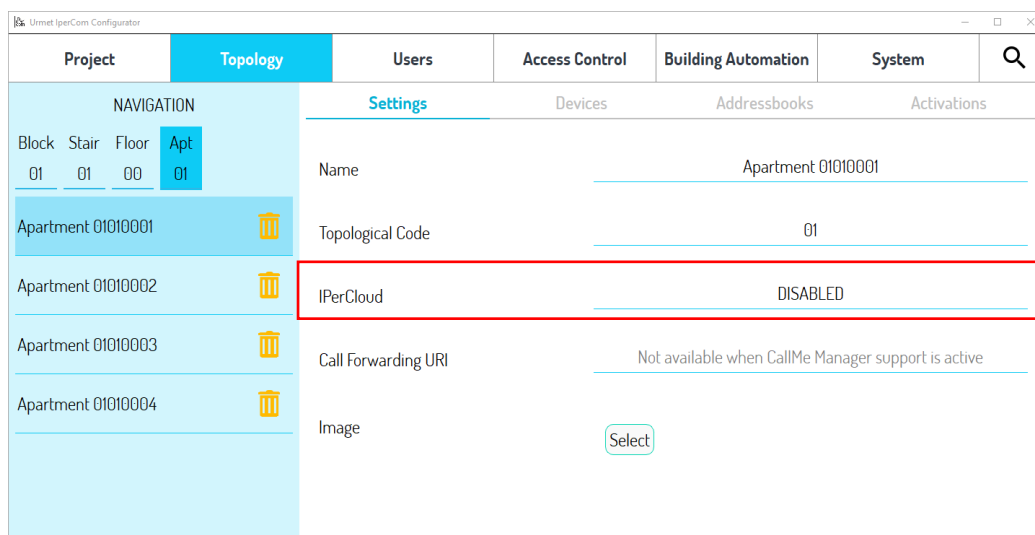


Figure 300: apartment in IPerCom mode

The section in red shows that the IPerCloud mode is disabled for the selected apartment. To enable it (and therefore create an IPerCloud apartment) simply press on the "DISABLED" item. A window opens through which you can enable IPerCloud mode:

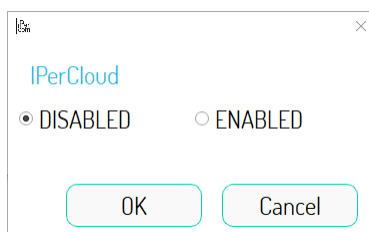


Figure 301: setting up an apartment in IPerCom or IPerCloud mode

By choosing the "ENABLED" item, the selected apartment becomes an IPerCloud apartment. This is highlighted by the relevant icon in the left navigation module (red arrow):

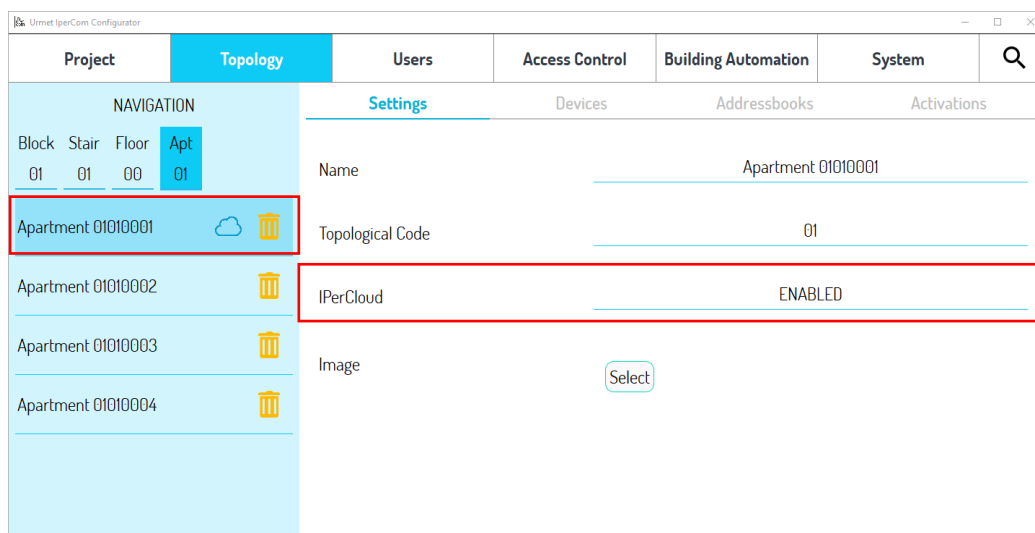


Figure 302: apartment in IPerCloud mode



The "Call forwarding URI" item is no longer visible as the use of the CallMe Manager application is required to configure the IPerCloud apartment and the parameter in question can only be set if this application does not It's requested.

Enabling the IPerCloud mode can be set not only by the apartment nodes, but also by the higher nodes (site, block, stair, floor) with the advantage that all the apartments of the relevant topological group acquire this mode. For example, to set the IPerCloud mode from a "block" node, simply press the relevant "Set" button, as shown in the figure:

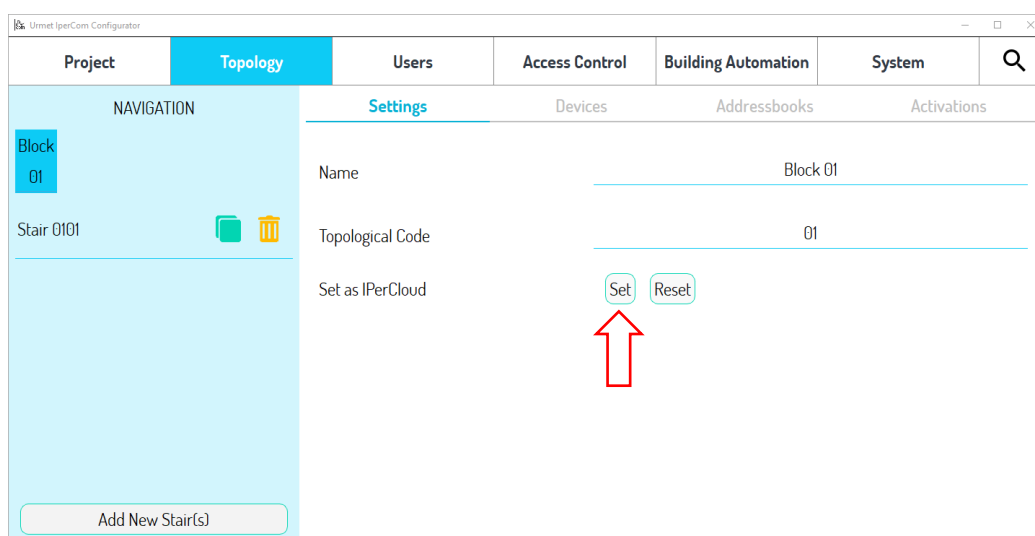


Figure 303: setting up an IPerCloud node

By pressing the "Yes" button in the next dialog box, the apartments present in the topological group of the "Block 01" node are automatically set as IPerCloud apartments, as shown below:

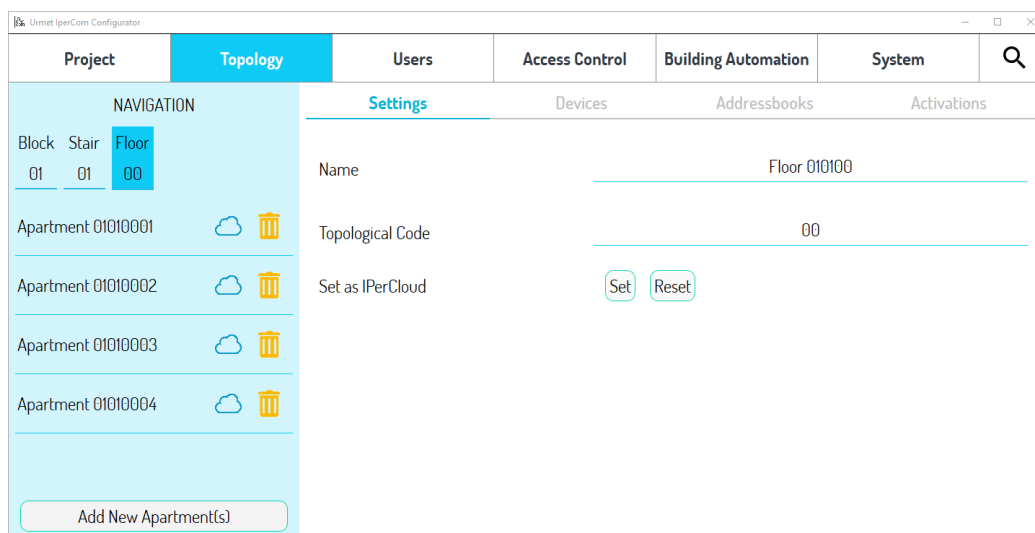


Figure 304: automatic acquisition of IPerCloud mode

By pressing the "Reset" button and then "Yes" in the subsequent dialog box, the IPerCloud apartments present in the topological group of the "Block 01" node become IPerCom.



*The 2Voice apartments under the stair node where the 2Voice Gateway has been positioned cannot be set in IPerCloud mode.*



*For the correct configuration of an IPerCom system in IPerCloud mode it is necessary to be authenticated on Urmet Cloud. Otherwise, it will not be possible to apply the configuration to the system.*

#### 8.1.3.2.1 Hybrid apartments

A hybrid apartment is an apartment in IPerCloud mode with one or more apartment stations. The hybrid apartment can be created starting from an IPerCloud apartment to which one or more apartment stations are added or starting from an apartment with one or more apartment stations to which the IPerCloud mode is then set.

With hybrid apartments, the call to a smartphone/tablet with the *CallMe* app comes by setting the apartment's video door phone to *Remote* mode (for further details see the video door phone user manual available on the website [www.urmet.com](http://www.urmet.com)). If the apartment video door phone no longer works, the call to the smartphone/tablet with the *CallMe* app continues to arrive via license or via call on the GSM or landline telephone network in the absence of Internet coverage.

#### 8.1.4 Contacts

Within the “*Topology*” tab, it is possible to define very quickly and flexibly through the “*Contacts*” tab:

- **the contact list** for video door phones with address book (common use),
- **the contacts** associated with T1 and T2 buttons of door phone *Miro* 1160/3 and T1, T2 and T3 buttons of video door phone *VOG*<sup>5</sup> 1761/6 (common use);
- **the list of additional cameras** on which it is possible to make auto on from video door phones, in addition to cameras automatically added that are placed on the topological path of the apartment (special use);
- **the contact list** in the address book of all types of call modules (*Call Module* 1060/12-13-17-18-23 or *Alpha Call Module*), in addition to the automatically added visible residents placed on the topological group of the call module (special cases);
- **the contact list** for IPerTalk extensions.



*Video door phones with address book in IPerCom system are VOG<sup>7</sup>, VOG<sup>5+</sup>, Basic, IPerCom Client 1060/43 and MAX video door phones.*



*Contacts are not only an apartment stations to be called but also a generic calling station on which it is possible to make auto on from video door phone, as explained below.*

Contacts are created in the address book according to the following requirements:

- call an apartment station from another apartment station (for example, if there is a dental practice or a swimming pool in the system, it will be possible to add the contact to the address book of all video door phone in the system);
- call apartment station from calling stations reported above;
- call *Switchboards* from video door phone and/or call modules, if the *Switchboards* are outside the topological path of the nodes where the video door phone and/or call modules are placed;
- call *Switchboards* from door phone *Miro* 1160/3 or video door phone *VOG*<sup>5</sup> 1761/6;
- make auto-on on calling stations and *RTSP Cameras* that are outside the topological path of the node where a video door phone is placed.

The addition of contacts in the address book is linked to the concept of the node and its topological group.

If a contact is created on a topological node, it can be made available to:

- all apartment stations and/or calling stations present on that node (creation of contact with **private** scope);
- all the apartment station and/or calling station present on the topological group of that node (creation of contact with **public** scope).

Each contact created in address book will automatically be added also to the address book of the *Switchboards*.

The following paragraphs will describe how to create contacts based on the above requirements. Reference will be made to the video door phone *VOG<sup>7</sup>* and the door phone *Miro* 1160/3.



*What has been written for the video door phone VOG<sup>7</sup> also applies to all other video door phones with address book.*



*To create contacts on the video door phone 1761/6, refer to what written for Miro door phone 1160/3, with the only difference that in addition to the T1 and T2 buttons there is also the T3 button.*

As a common example we take a “Multi Block” project whose topology is shown in the figure:



Figure 305: Example of system topology for the creation of the address book

The system is made up of two blocks with two stairs each, three floors per stair and three apartments per floor. We will assume there is a *Call Module* on the site node, one in block "01", a *Switchboard* in block "02", a *VOG<sup>7</sup>* video door phone in stair "01" of block "01" and a *VOG<sup>7</sup>* video door phone plus a *Miro* door phone in each apartment (not shown in the figure for the sake of simplicity).

#### 8.1.4.1 How to call apartment stations from VOG<sup>7</sup> video door phones, Miro door phones and call modules

To ensure that an apartment station can be called from a VOG<sup>7</sup> video door phone or from a Miro door phone or from a call module of the system, a contact must be added to the address book of the latter. The recipient of the contact may be:

- a single device placed in a topological node;
- a set of devices placed in a topological node.

To understand the difference between the two cases, take as example [Figure 305](#), where every apartment has a VOG<sup>7</sup> video door phone and a Miro door phone. We will suppose that one of these apartments, for example the one with topological code "0101010101", is a dental practice.

If you want to call only the VOG<sup>7</sup> video door phone present in the dental practice from the apartment with topological code "0101010102", add a contact in its address book having that device as target. If, instead, you want to make both the VOG<sup>7</sup> video door phone and the Miro door phone in the dental practice ring, the contact must be the set of devices in the dental practice, that is in the topological node in which they are placed.

You can create a contact in a topological node using the *configurator* on the "Addressbooks" tab of the topological node itself.

If you want to add the dental practice as a contact in the address book of the VOG<sup>7</sup> video door phone of apartment "0101010102", simply position the navigation unit on the concerned topological node and select the "Addressbooks" tab, as shown in the following figure:

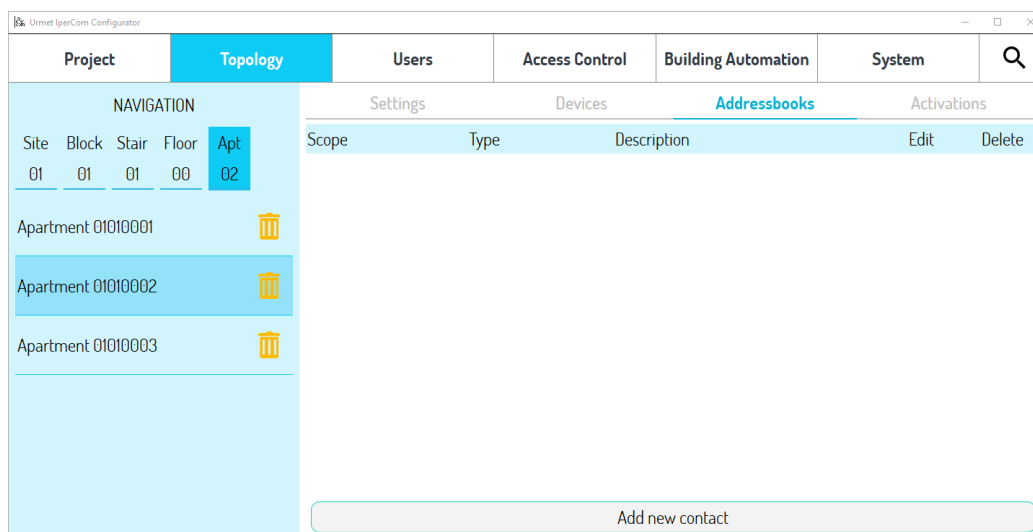


Figure 306: "Address Book" screen

To create the new contact, press the “Add new contact” button. The following page is displayed:

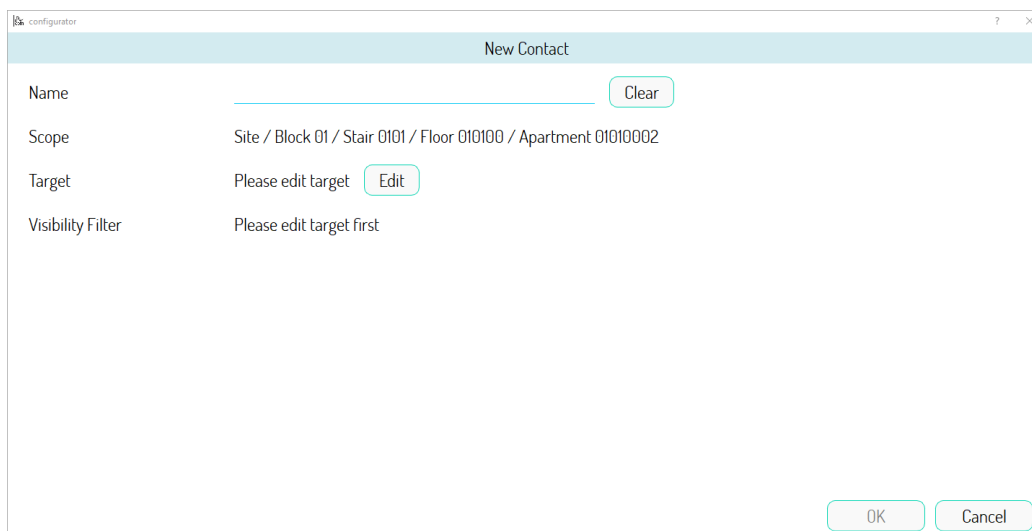


Figure 307: New contact creation screen

The following shows the meanings of the four fields:

<b>Name</b>	Name of contact
<b>Scope</b>	Scope of the contact. This shows the node in which you are creating the contact; if the topological node is different from the apartment, you can establish whether the contact should be public or private (it is public by default).
<b>Target</b>	Who should be contacted. It can be a device or a set of devices positioned on a topological node.
<b>Visibility Filter</b>	Selectable list of device types that should use contact. The list varies depending on the type of target and is displayed only after defining the target. The complete list includes the following items: <ul style="list-style-type: none"> <li>- “Video door phone with address book (VDP)”,</li> <li>- “Call Modules (CM)”,</li> <li>- “Door Phone by mean of button T1 (DP1)”,</li> <li>- “Door Phone by mean of button T2 (DP2)”,</li> <li>- “Door Phone by mean of button T3 (DP3)”,</li> <li>- “CallMe (CallMe)”,</li> <li>- “IPerTalk (IPerTalk)”.</li> </ul>

Table 12: fields for creating a contact



The T1 and T2 buttons refer to both the Miro door phone 1160/3 and the video door phone 1761/6, while the T3 button refers only to the video door phone 1761/6. Below is an example on how to use these items.



Site 01

Block 01

Block 02

NAVIGATION

Target Selection

Please select the node you want to call

Please select the device(s) called by mean of this contact

Code	Type	Description
##	Door Phone	ALL Door Phones
##	Switchboard 1060/41	ALL SWITCHBOARDS
##	Switchboard 1060/41	SWITCHBOARDS of competence

OK

Cancel

279

Now, point to apartment "0101010101" with the navigation unit on the left and add the target, selecting it from one of the items suggested on the right:

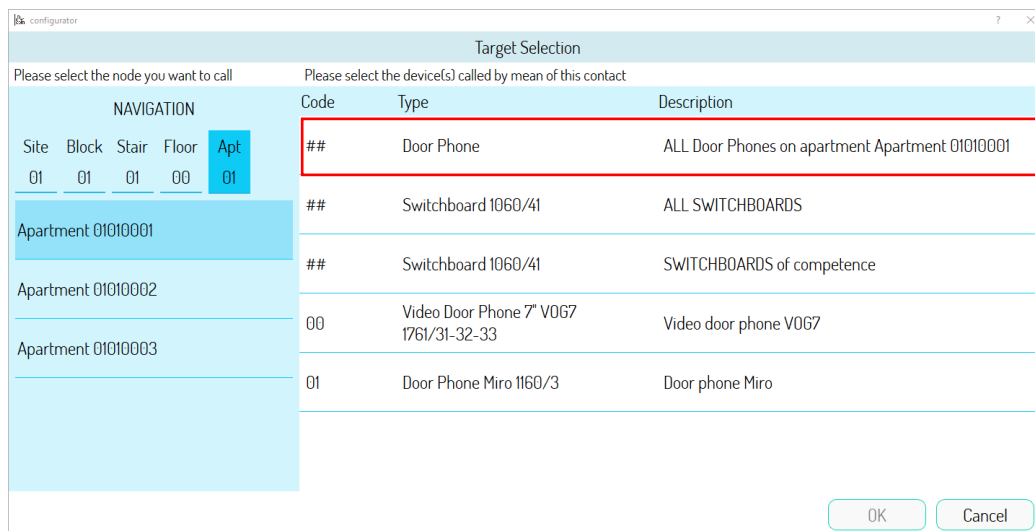


Figure 309: target selection

As previously mentioned, you can select only one device of the dental practice as target (i.e. only the VOG<sup>7</sup> video door phone or the only Miro door phone) or both devices referred to the concerned apartment. In the latter case, select "ALL Door Phones on apartment Apartment 01010001". After selecting the target and pressing the button "OK", the contact creation screen will be updated accordingly:

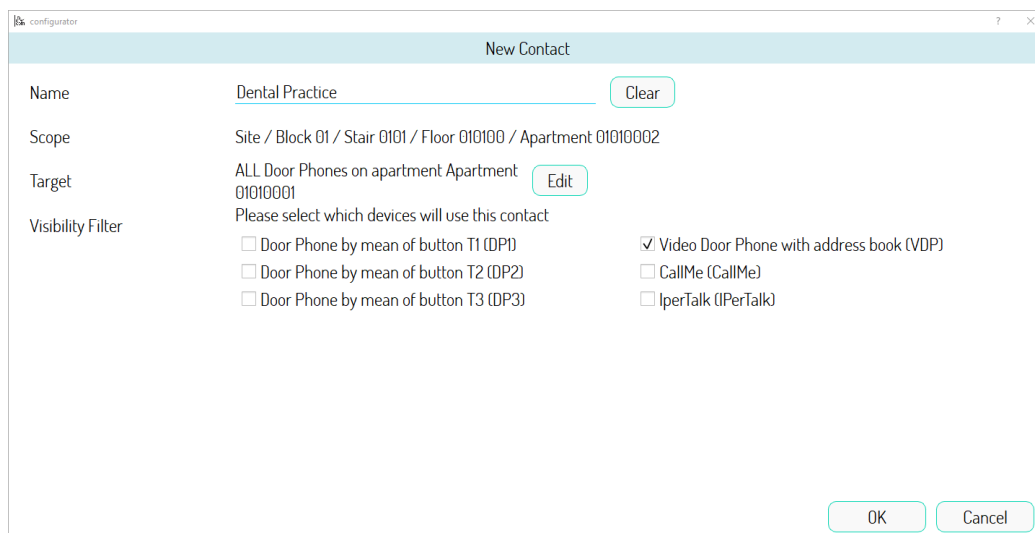


Figure 310: contact creation screen updated with recipient data

As shown in the figure, the "Visibility Filter" field is populated with the list of devices that could use the contact: the type of device already automatically selected is "Video door phone with address book (VDP)". Since you want to make the contact visible in the address book of the VOG<sup>7</sup> video door phone of the apartment "0101010102", in this case simply press the "OK" button.



If you want to add the dental practice also to the address book of VOG<sup>7</sup> video door phone in the apartment “0101010103”, you need to create the contact directly on floor node “01010100##” as a public type contact, to display it in the address books of all the apartments of the floor. To do this, open the “Addressbooks” screen at the floor node and proceed as described above to fill in the “Name”, “Target” and “Visibility Filter” fields:

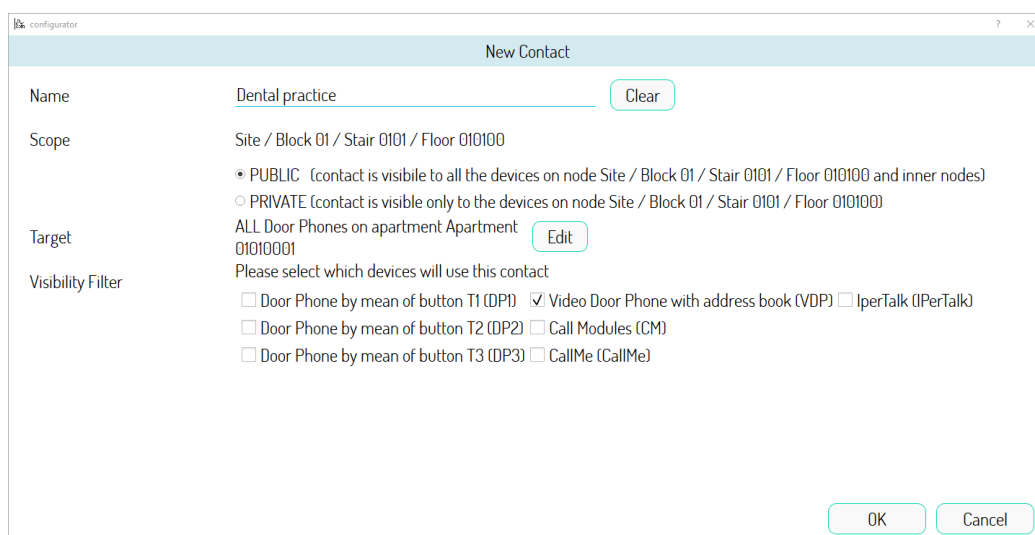


Figure 312: adding the contact on the plan

As regards the “Scope” field, instead, confirm the “PUBLIC” selection so that the contact will appear in the address books of all VOG<sup>7</sup> video door phones of the nodes which belong to the floor node, i.e. of all the apartments present on the floor topologic node “01010100##”.

If you want to add the “*Dental Practice*” contact also in address book of *VOG<sup>7</sup>* video door phone, which is placed on stair “010101####”, simply create a new contact in the “*Addressbooks*” by pointing to the stair node rather than on the floor node. In this case, if the “*PRIVATE*” option is selected, in the “*Scope*” field, the contact will only be displayed by the *VOG<sup>7</sup>* video door phone of the stair, while if you select the “*PUBLIC*” option, the contact will be also displayed on the address books of the *VOG<sup>7</sup>* video door phones of the various floors of the stair:

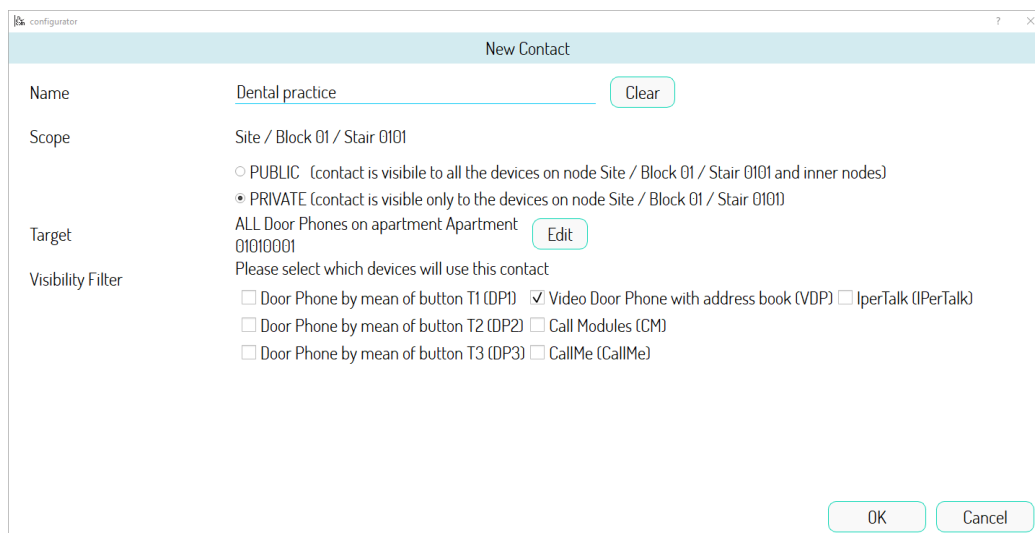


Figure 313: creation of the contact on the stair “010101 ####” (private scope)

Similar considerations apply to extend the “*Dental Practice*” contact to all *VOG<sup>7</sup>* video door phones of the system. Simply create the public type contact on the site node:

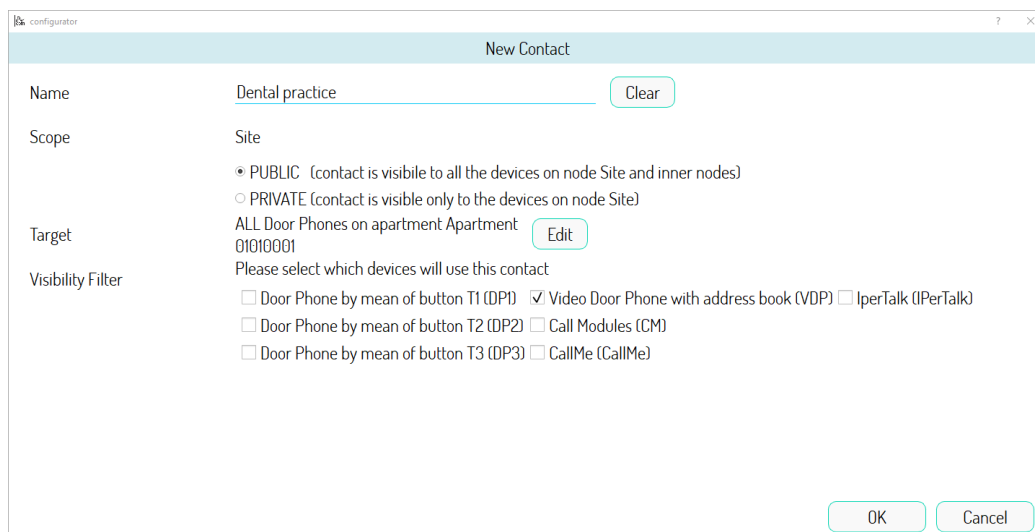


Figure 314: creation of the contact on the site node

Since in each apartment in the example there are a *VOG<sup>7</sup>* video door phone and a *Miro* door phone, you can allow the *Miro* door phone of the whole site to call the “*Dental Practice*” contact.

To do this, select the “Door Phone by mean of button T1 (DP1)” option to call it using button T1 of the *Miro* door phone and/or the “Door phone by mean of button T2 (DP2)” option to call it using button T2:

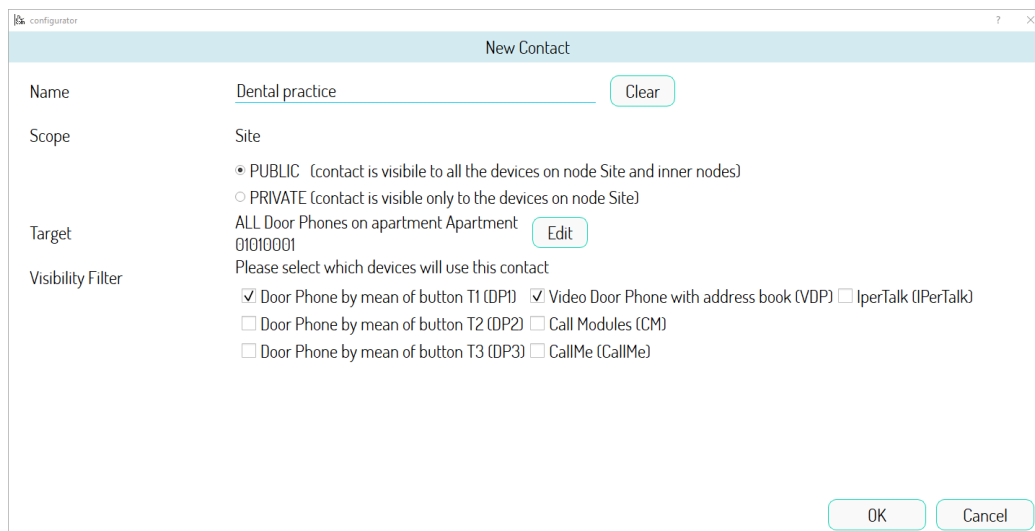


Figure 315: contact that can also be called via the T1 button of the Miro doorphone of the entire site

In the case shown in the figure, the created contact can be called by means of button T1 of each *Miro* door phone in the system.

The contacts that a *Miro* door phone can call via the T1 and T2 buttons are displayed on the relevant configuration page ([Figure 804](#) paragraph [Miro door phone 1160/3](#) section in [Configuration parameters of IPerCom devices](#)).



The association of contact - T1, T2 and T3 buttons for the video door phone 1761/6 takes place in the same way.

To make this contact also visible in the address books of *Call Modules* of the entire site, simply select the "*Call Modules (CM)*" option in the "*Visibility Filter*" field:

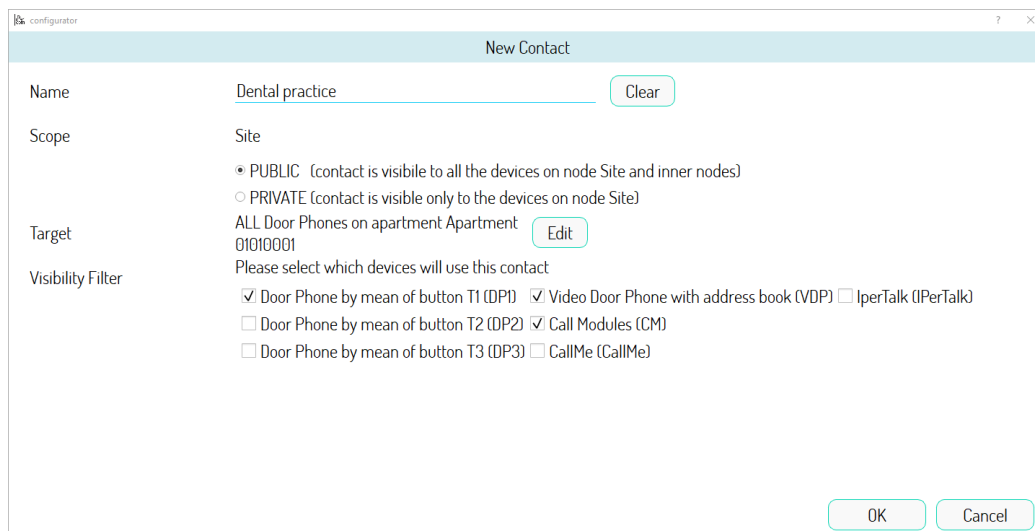


Figure 316: adding a contact to the address books of *Call Modules* of the whole site

With this setting, the *Call Module* in the site and the one in block "0101#####" will both be able to call the dental practice using the "*Dental Practice*" contact added to their address book.

To allow calling the contact only from *Call Modules*, simply deselect the other options which are present in the "*Visibility Filter*" field.



*If a generic apartment station on a node other than the apartment node (e.g. stair node) is chosen as recipient, the "ALL apartment stations on the Stair node" item indicates that the apartment stations on that node and not the apartment stations on the stair node and lower nodes are called.*



Adding a contact to the address book to call a VOG<sup>7</sup> video door phone placed on a node other than the apartment node: if we take as an example the "Swimming pool" room placed on the "010101#####" stair in the example in [Figure 305](#), if you want to contact the VOG<sup>7</sup> video door phone placed there from all the other apartments, you simply need to create a public contact on the site relating to that video door phone.



It is possible, using what we saw before, to create a contact within the address book of a Call Module whose apartment node is outside the topological group of the node where the Call Module itself is placed. This therefore allows you to call, for needs, apartments whose residents (visible) do not automatically appear in the Call Module address book. Because of this, the Call Module in question also appears in the list of cameras (where you can make auto-on) of these apartments, even though this calling station is not on the topological path of the apartments. What is written above is schematized in the following image:

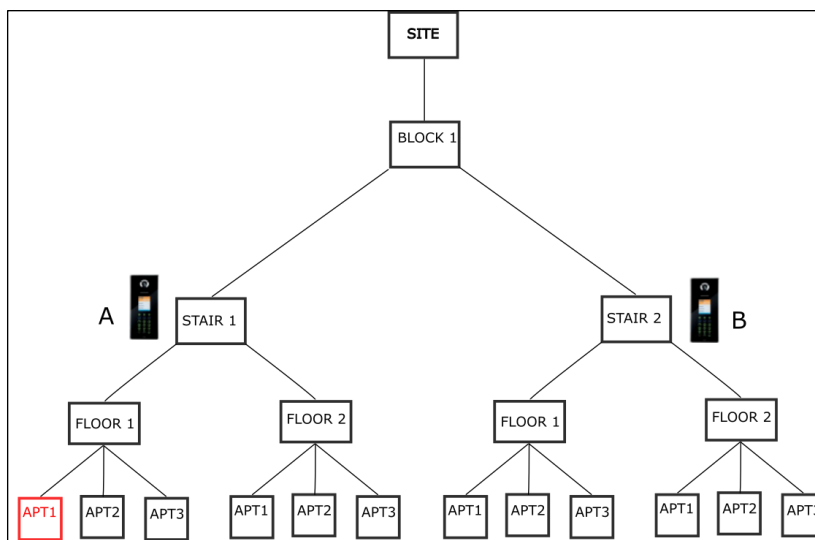
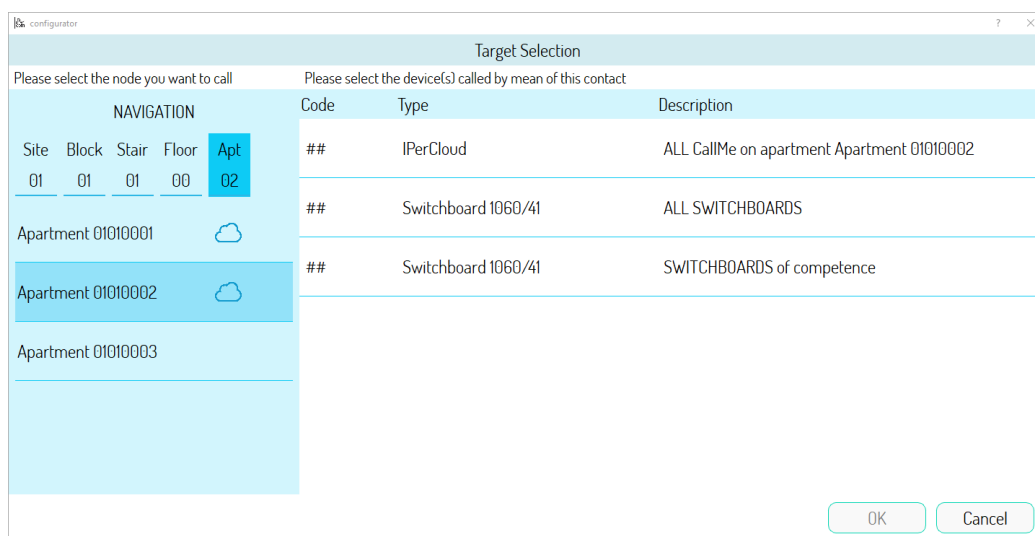


Figure 317: apartment 1 can make auto-on on Call Module B

If a contact is created on Call Module B to call apartment 1 (in red), Call Module B also appears in the list of cameras where apartment 1 can make auto-on, even though it is not on the topological path of apartment 1.

#### 8.1.4.1.1 How to call an IPerCloud apartment

If you want to call an IPerCloud apartment from a *VOG<sup>7</sup>* video door phone or a *Miro* door phone, the procedure above remains the same. Placing on the IPerCloud apartment to define the recipient of the contact, the following screen appears:



The screenshot shows a 'configurator' window titled 'Target Selection'. It has two main sections: 'Please select the node you want to call' on the left and 'Please select the device(s) called by mean of this contact' on the right.

**Left Section (Please select the node you want to call):**

- NAVIGATION:** A grid of buttons for Site (01), Block (01), Stair (01), Floor (00), and Apt (02). The 'Apt' button is highlighted in blue.
- Apartment 01010001:** With a cloud icon.
- Apartment 01010002:** With a cloud icon and highlighted in blue.
- Apartment 01010003:**

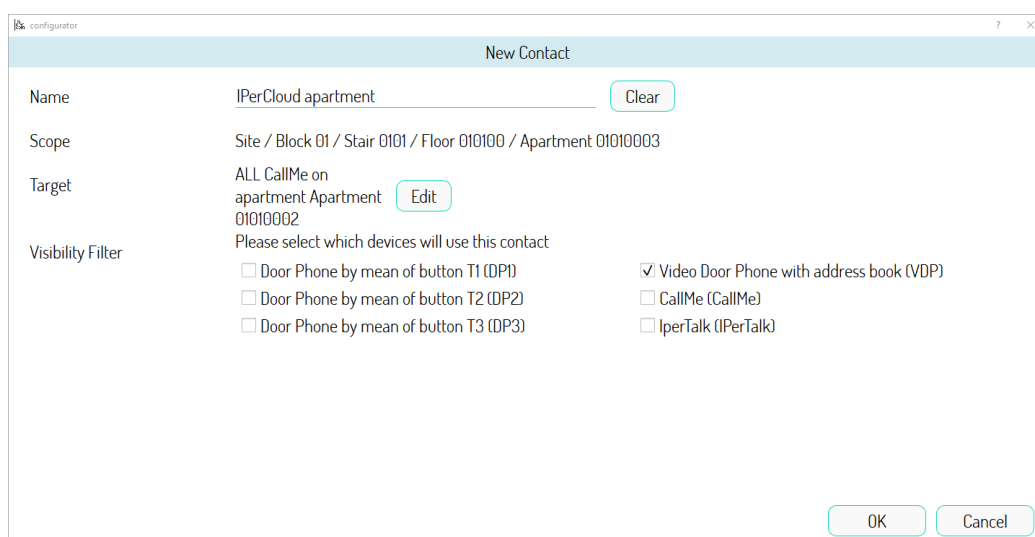
**Right Section (Please select the device(s) called by mean of this contact):**

Code	Type	Description
##	IPerCloud	ALL CallMe on apartment Apartment 01010002
##	Switchboard 1060/41	ALL SWITCHBOARDS
##	Switchboard 1060/41	SWITCHBOARDS of competence

At the bottom right are 'OK' and 'Cancel' buttons.

Figure 318: recipient selection screen in case of IPerCloud apartment

Selecting the item “All CallMe on apartment Apartment 01010002” and pressing the “OK” button, the following screen appears (with option “Video Door Phone with address book (VDP)” already selected):



The screenshot shows a 'configurator' window titled 'New Contact'. It contains the following fields and options:

- Name:** IPerCloud apartment (with a 'Clear' button).
- Scope:** Site / Block 01 / Stair 0101 / Floor 010100 / Apartment 01010003
- Target:** ALL CallMe on apartment Apartment 01010002 (with an 'Edit' button).
- Visibility Filter:** Please select which devices will use this contact.
  - ☐ Door Phone by mean of button T1 (DP1)
  - ☐ Door Phone by mean of button T2 (DP2)
  - ☐ Door Phone by mean of button T3 (DP3)
  - ☒ Video Door Phone with address book (VDP)
  - ☐ CallMe (CallMe)
  - ☐ IperTalk (IPerTalk)

At the bottom right are 'OK' and 'Cancel' buttons.

Figure 319: contact creation screen updated with recipient data

By pressing the “OK” button, the contact is made available for video door phones with address book as shown below:

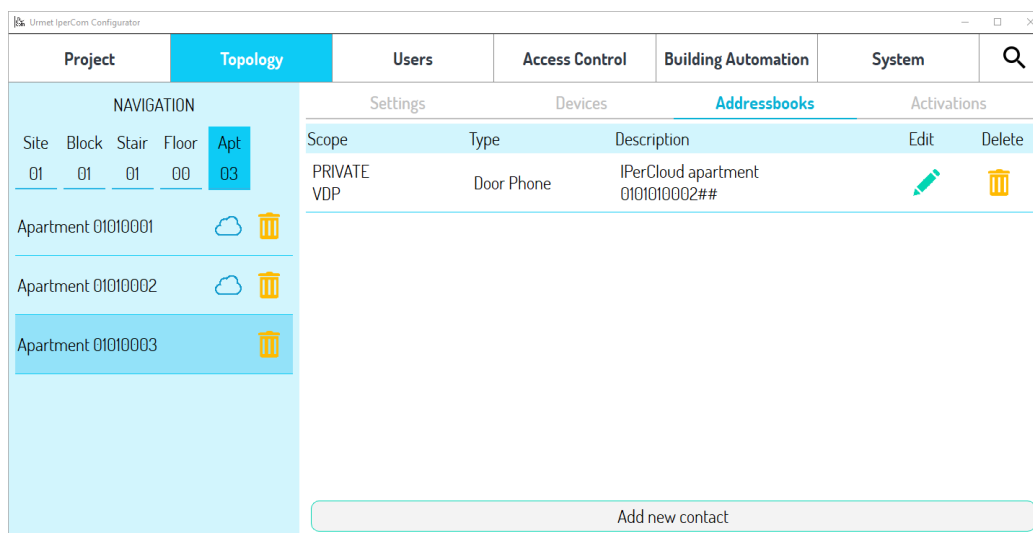


Figure 320: contact with destination IPerCloud apartment created

In this way the video door phone of the apartment “01010003” will see the contact relating to the IPerCloud apartment in the address book and by calling this contact the call will arrive on smartphone/tablet.

If you want to make the same contact available for the *Miro* door phone, simply select one of the options “Door phone by mean of button T1 (DP1)” or “Door phone by mean of button T2 (DP2)”.

In the same way it is possible to call from an IPerCloud apartment another IPerCloud apartment or a non-IPerCloud apartment with the only difference that in [Figure 320](#) you need to select the item “CallMe”.

#### 8.1.4.2 How to call the Switchboards from VOG<sup>7</sup> video door phones, Miro door phones and/or call modules

In the example of [Figure 305](#) there is a *Switchboard* on block "0102#####": automatically all VOG<sup>7</sup> video door phones, whose topological path intercepts this *Switchboard*, will have a button in the video door phone application that can be used to call this competence *Switchboard*. These VOG<sup>7</sup> video door phones are the ones included in the topological group of the block node "0102#####".

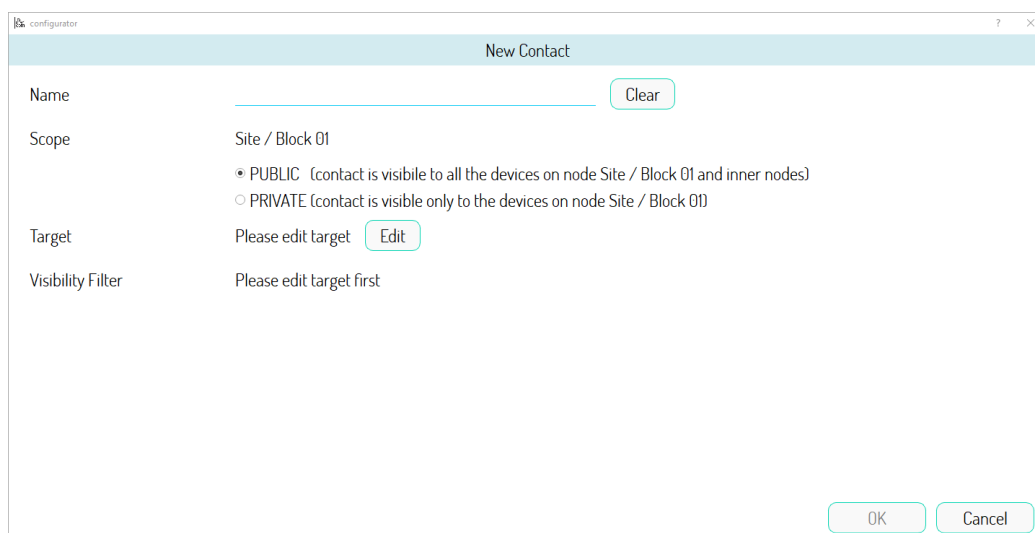
Otherwise, no VOG<sup>7</sup> video door phone in topological group of block "0101#####" will have this button available (the *Switchboard* is not on their topological path), so the only way to be able to call the *Switchboard* is add a "Switchboard" contact in the address book using the "Contacts" tab.

As regards *Miro* door phones, both for those whose topological path intercepts the *Switchboard* and for the others, there is no automatic association of buttons for calling the *Switchboard*; however, by creating the "Switchboard" contact it is possible to associate it with the T1 and/or T2 buttons of the generic *Miro* door phone and thus make it callable.

Finally, from the *Call Module* placed on block "0101#####", you cannot call the *Switchboard* using the dedicated button because the *Switchboard* is not on its topological path; therefore, to call the *Switchboard* from the *Call Module*, you will need to create the contact in "Address Books".

In order to illustrate the procedure for creating a "Switchboard" contact, always using the example in [Figure 305](#), suppose you want to add the *Switchboard* placed in the "0102#####" block to the address book of all the VOG<sup>7</sup> video door phones in the "0101#####" block.

In this case, open the "Addressbooks" screen at the topological node of block "0101#####" and create a new contact:



The screenshot shows a 'New Contact' dialog box from the iPer configurator. The dialog has a title bar with 'iPer configurator' and standard window controls. The main area contains the following fields and options:

- Name:** A text input field with a 'Clear' button next to it.
- Scope:** A dropdown menu showing 'Site / Block 01'.
- Target:** A text input field showing 'Please edit target' with an 'Edit' button next to it.
- Visibility Filter:** A text input field showing 'Please edit target first'.
- Options:** Two radio buttons are present:
  - ☒ PUBLIC (contact is visible to all the devices on node Site / Block 01 and inner nodes)
  - ☐ PRIVATE (contact is visible only to the devices on node Site / Block 01)
- Buttons:** 'OK' and 'Cancel' buttons are located at the bottom right.

Figure 321: creating a contact for the switchboard

After assigning a meaningful name to the contact as "*Switchboard*", you should choose the target by pointing to the topological node in which the *Switchboard* is located:

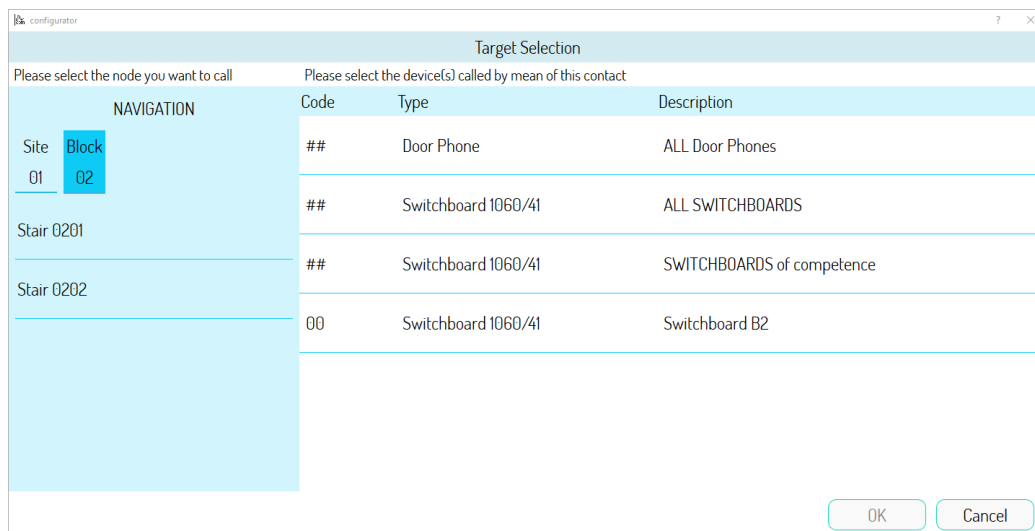
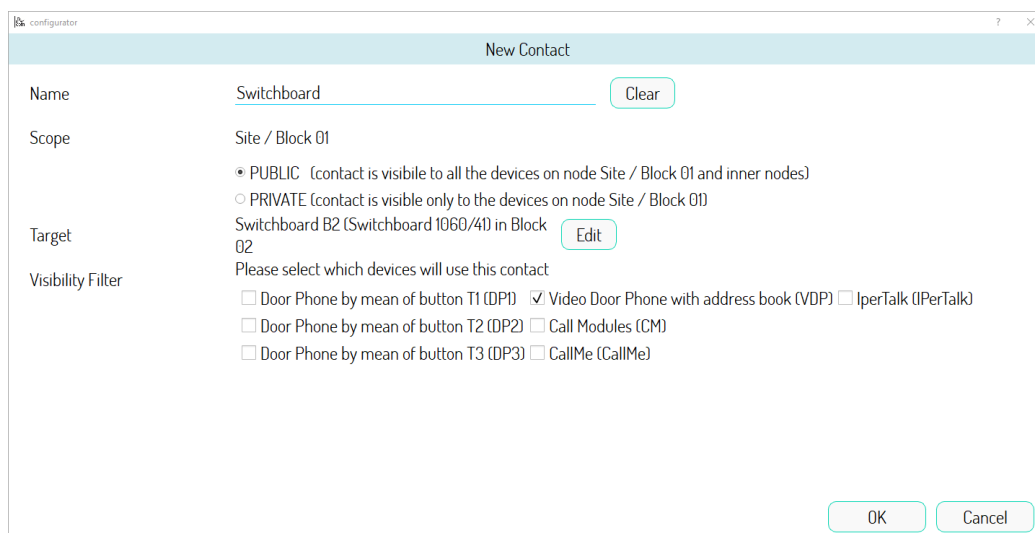


Figure 322: Selecting the target of the "*Switchboard*" contact

In the case of *Switchboards*, the following selections can be made (on each node):

- "*SWITCHBOARDS of competence*", which can be used to select as target only the *Switchboards* which are placed on the topological path of *VOG<sup>7</sup>* video door phone, *Miro* door phone and call modules;
- "*ALL SWITCHBOARD*", i.e. all the *Switchboards* of the system.
- the single *Switchboard* which is placed at that topological node.

Choosing the single *Switchboard* called "*Switchboard B2*" placed on this node, the following screen will appear:



**New Contact**

Name:

Scope:   
☒ PUBLIC (contact is visible to all the devices on node Site / Block 01 and inner nodes)   
☐ PRIVATE (contact is visible only to the devices on node Site / Block 01)

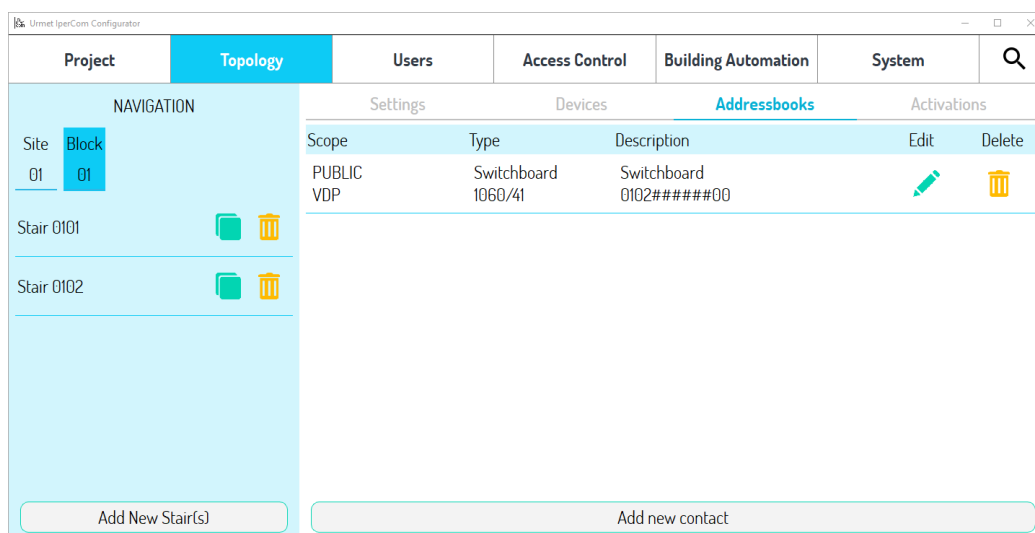
Target:

Visibility Filter: Please select which devices will use this contact   
☐ Door Phone by mean of button T1 (DP1) ☒ Video Door Phone with address book (VDP) ☐ IperTalk (IperTalk)   
☐ Door Phone by mean of button T2 (DP2) ☐ Call Modules (CM)   
☐ Door Phone by mean of button T3 (DP3) ☐ CallMe (CallMe)

Figure 323: contact creation page updated with recipient data

The items "*Video Door Phones with address book (VDP)*" in the "*Visibility Filter*" section and "*PUBLIC*" in the "*Scope*" section are automatically selected: in this way the contact appears in the directory of all *VOG<sup>7</sup>* video door phones of the topological nodes that belong to the "*0101#####*" block.

Press the "OK" button to finish creating the contact, as shown in the following figure:



**Umet iPerCom Configurator**

Project | **Topology** | Users | Access Control | Building Automation | System | 🔍

**NAVIGATION**

Site:  Block:

Stair 0101

Stair 0102

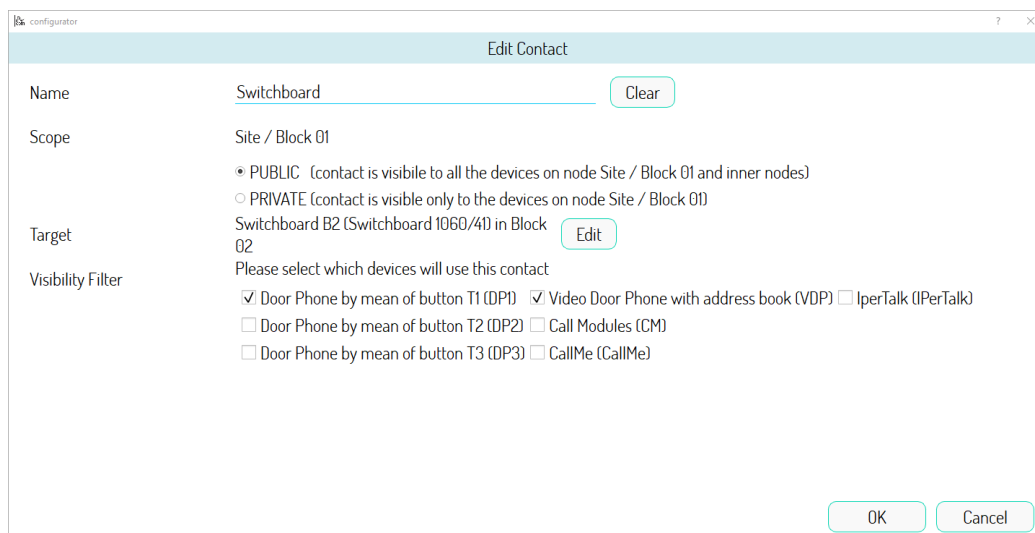
**Addressbooks**

Scope	Type	Description	Edit	Delete
PUBLIC VDP	Switchboard 1060/41	Switchboard 0102#####00	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Figure 324: Switchcontacts with new created contact

In this way, the *VOG<sup>7</sup>* video door phones of the topological nodes which belong to block "*0101#####*" will see the new "*Switchboard*" contact in their address book and will be able to call or chat with it.

To ensure that *Miro* door phones in various apartments of block “0101#####” can call the *Switchboard*, simply select the “*Door Phone by mean of button T1 (DP1)*” or “*Door Phone by mean of button T2 (DP2)*” options to call the “*Switchboard*” by pressing button T1 or T2 buttons:



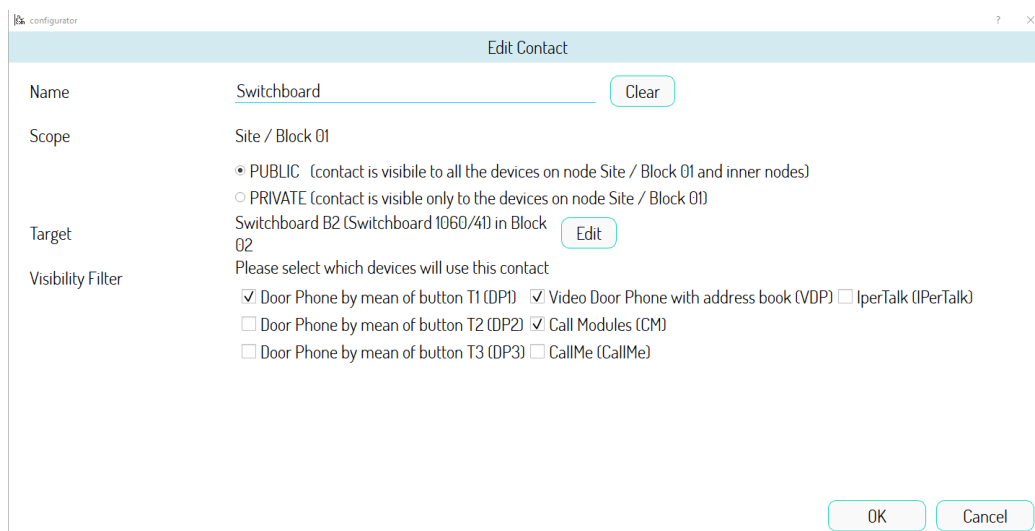
The screenshot shows the 'Edit Contact' window with the following details:

- Name:** Switchboard
- Scope:** Site / Block 01
- Target:** Switchboard B2 (Switchboard 1060/41) in Block 02
- Visibility Filter:**
  - ☒ Door Phone by mean of button T1 (DP1)
  - ☒ Video Door Phone with address book (VDP)
  - ☐ Door Phone by mean of button T2 (DP2)
  - ☐ Call Modules (CM)
  - ☐ Door Phone by mean of button T3 (DP3)
  - ☐ CallMe (CallMe)

Figure 325: “Switchboard” contact which can also be called using button T1 on the *Miro* door phones

In the case shown in the figure above, the created contact can be called by means of button T1 of each *Miro* door phone in block “0101#####”.

To make this contact visible also in the address books of the call module placed on block “0101#####”, simply select the “*Call Modules (CM)*” option in the “*Visibility Filter*” field:



This screenshot is identical to the previous one, but with an additional selection in the Visibility Filter:

- ☒ Call Modules (CM)

Figure 326: contact added to the address book of the Call Module



The video door phone 1761/6 has a button to automatically call all switchboards in its topological path. Therefore, unlike the Miro door phone, there is no need to create any association between the T1, T2 or T3 buttons and these switchboards. Instead, the association must be created for those switchboards that are not on its topological path, as seen above.

#### 8.1.4.3 Auto-on function on Entry Panels, Call Modules and RTSP Cameras from VOG<sup>7</sup> video door phones

The VOG<sup>7</sup> video door phones can automatically make auto-on on *Entry Panels*, *Call Modules* and *RTSP Cameras* only if these calling stations are on the topological path of the video door phones themselves and if the item “Automatic assignment for CCTV cameras” is enabled (see [Global Settings](#) paragraph).

If one of the devices listed above is not on the topological path of the VOG<sup>7</sup> video door phones or it is but the item “Automatic assignment for CCTV cameras” is disabled, you can still enable auto-on by using the “Address books” tab.

Referring again to the example in [Figure 305](#), all VOG<sup>7</sup> video door phones under block “0101#####” can make auto-on on the *Call Module* in that block.

To make auto-on on this *Call Module* from a generic VOG<sup>7</sup> video door phone on the other block, press on the “Address books” tab in correspondence with the block “0102#####” and then press button “Add new contact”. The following window opens:

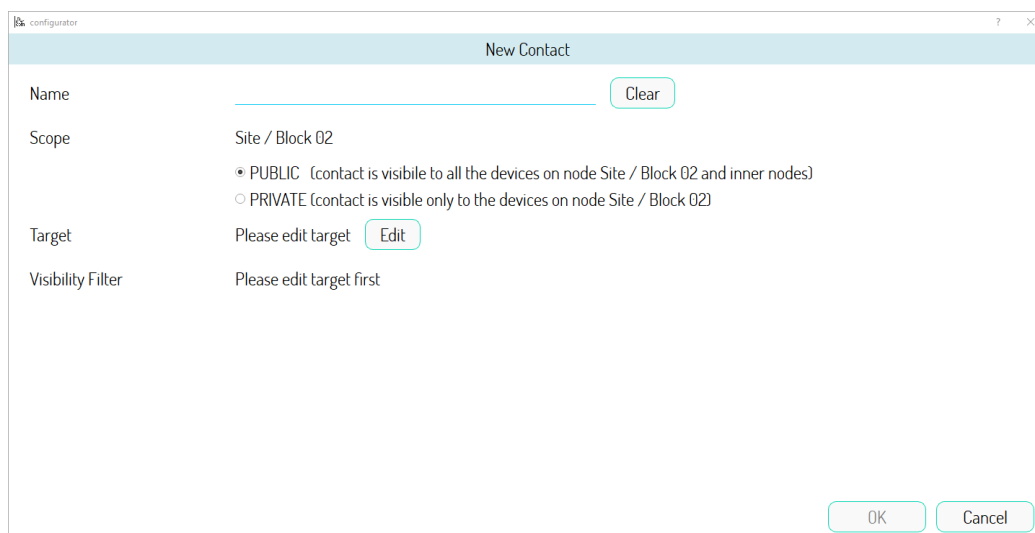


Figure 327: creation of a new contact

In correspondence with the “*Target*” item, press the “*Edit*” button and as recipient you need to select the *Call Module* on the “0101#####” block:

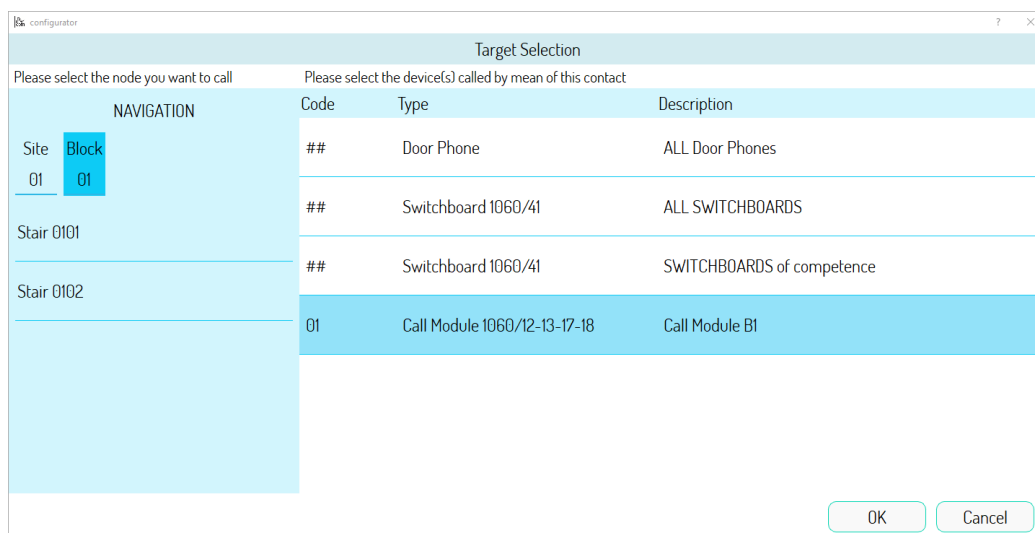


Figure 328: recipient of the contact selected

Pressing the "OK" button will update the contact creation screen, as shown in the following figure:

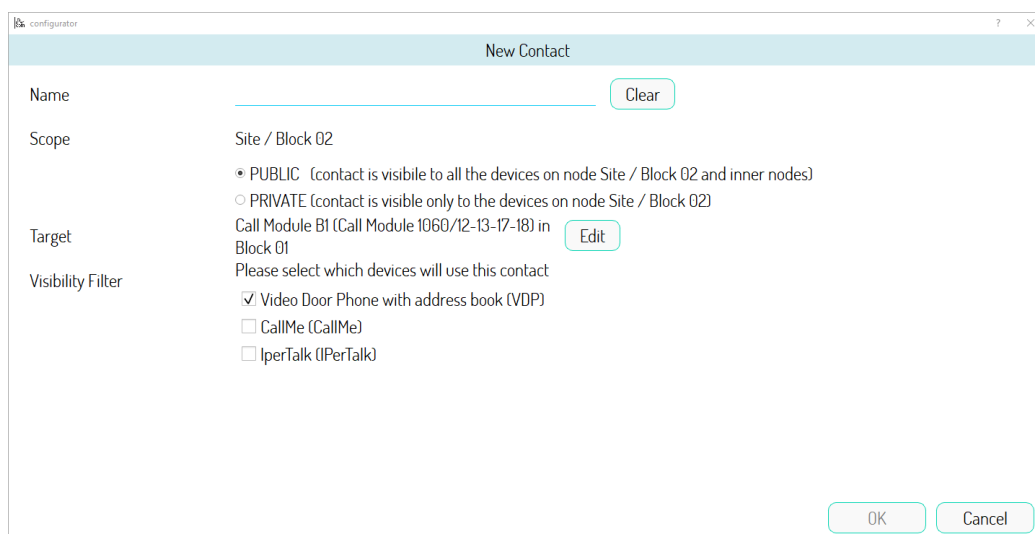
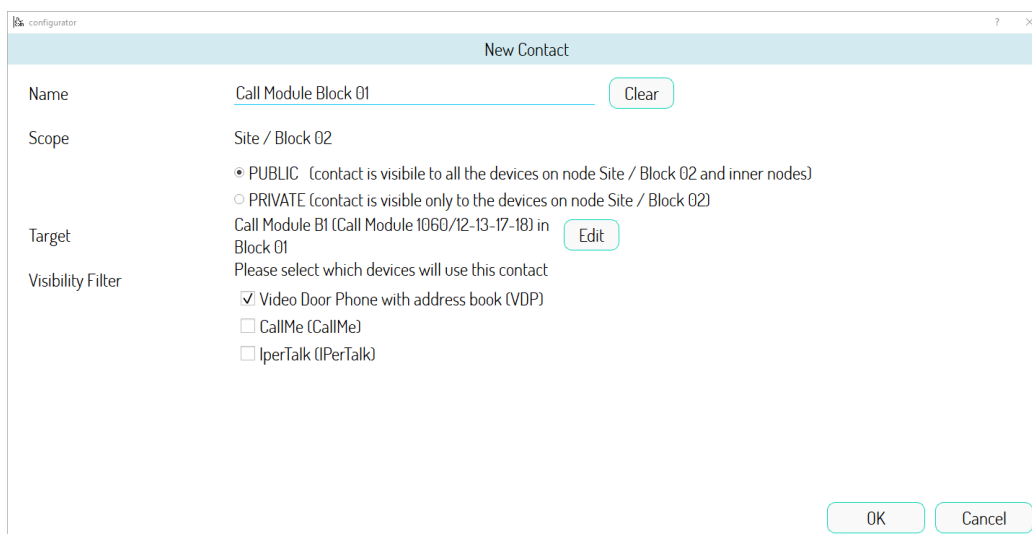


Figure 329: contact creation screen updated with recipient data

The items “*Video Door Phone with address book (VDP)*” in the section “*Visibility Filter*” and “*PUBLIC*” in the “*Scope*” section are automatically selected: in this way the contact will appear in the list of cameras of all the VOG<sup>7</sup> video door phones of the topological nodes that belong to the block “0102#####”.

To successfully complete the contact creation, you need to give it a meaningful name:




The 'New Contact' dialog box in the iPercom configurator shows the following fields and options:

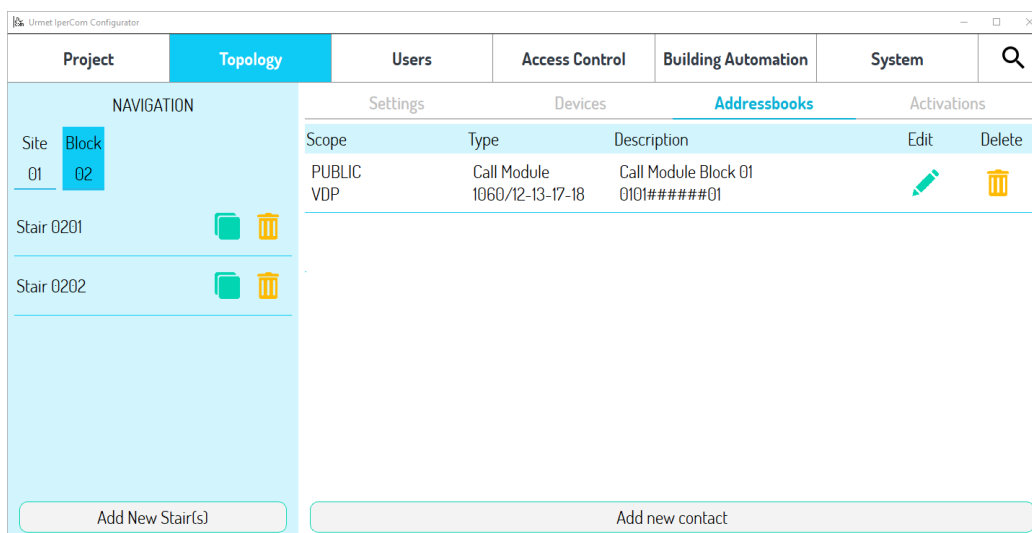
- Name:** Call Module Block 01 (with a 'Clear' button)
- Scope:** Site / Block 02
- Target:** Call Module B1 (Call Module 1060/12-13-17-18) in Block 01 (with an 'Edit' button)
- Visibility Filter:** Please select which devices will use this contact
  - ☒ Video Door Phone with address book (VDP)
  - ☐ CallMe (CallMe)
  - ☐ IperTalk (IperTalk)

Buttons at the bottom: OK, Cancel



Figure 330: contact name assigned

 The contact can also be made available to the CallMe application and to IperTalk extensions by selecting the respective options.

Press the "OK" button to finish creating the contact, as shown in the following figure:



The main interface of the iPercom configurator shows the 'Topology' tab selected. The 'Addressbooks' section is active, displaying a table of created contacts.

Scope	Type	Description	Edit	Delete
PUBLIC VDP	Call Module 1060/12-13-17-18	Call Module Block 01 0101#####01		

Navigation pane on the left shows 'Site 01' and 'Block 02' selected. Buttons at the bottom: 'Add New Stair(s)' and 'Add new contact'.

Figure 331: new contact created

In this way, the VOG<sup>7</sup> video door phones of the topological nodes which belong to block "0102#####" will see the new "Call Module Block 01" contact in the "CAMERAS" list and be able to use the auto-on function of this device.



**In this mode of use of the “Contact” tab the “Video door phone with address book (VDP)” option also includes video door phone 1761/6.**

#### 8.1.4.4 *Contacts in systems with Gateway 2Voice*

If one or more gateways are present in an IPerCom system, the 2Voice apartment stations can carry out:

- intercom calls (to other apartment stations of the system);
- calls to switchboard;
- auto-on on calling stations.

with the following limitations:

1. 2Voice audio/video apartment stations can call the IPerCom apartment stations or 2Voice audio/video apartment stations of another riser column only through the *Switchboard* application;
2. 2Voice audio / video apartment stations always use a dedicated button to call all the switchboards of the system that are not in stand-by and are on their topological path (competence switchboards);
3. 2Voice video apartment stations can make auto-on on all IPerCom calling stations that are on their topological path and only on the secondary calling stations placed on the gateway they belong to.



*The auto-on on RTSP cameras by 2Voice audio / video apartment stations is not supported.*



*2Voice audio / video apartment stations can directly call only other audio / video apartment stations of the same stair (where the gateway is placed) via properly programmed dedicated push buttons. For further details follow the instructions in the 2Voice technical manual.*

The limitations reported in the 3 points above are reflected in some differences on the construction of contacts with respect to what is written in the previous paragraphs.

Calls to apartment stations, switchboards and auto-on are made by means of push buttons that cannot be programmed through the IPerCom *configurator* and therefore the construction of the address book for audio / video 2Voice apartment stations must have of course limitations as explained below.

As an example, the following figure is shown:



Figure 332: system topology

where:

- stairs "010102#####" e "010202#####" are with Gateway 2Voice 1083/59 (highlighted in yellow);
- stairs "010101#####" e "010201#####" are stairs with IPerCom apartment stations;
- "0101010101" topologic code apartment is a dental practice (in red).

If you want to add the dental practice as a contact in the address book of a 2Voice audio/video apartment station, this is prevented by the *configurator*. In fact, by positioning on the nodes below the stair node with gateway, the *Contacts* tab is no longer available (up to 2Voice apartment nodes):

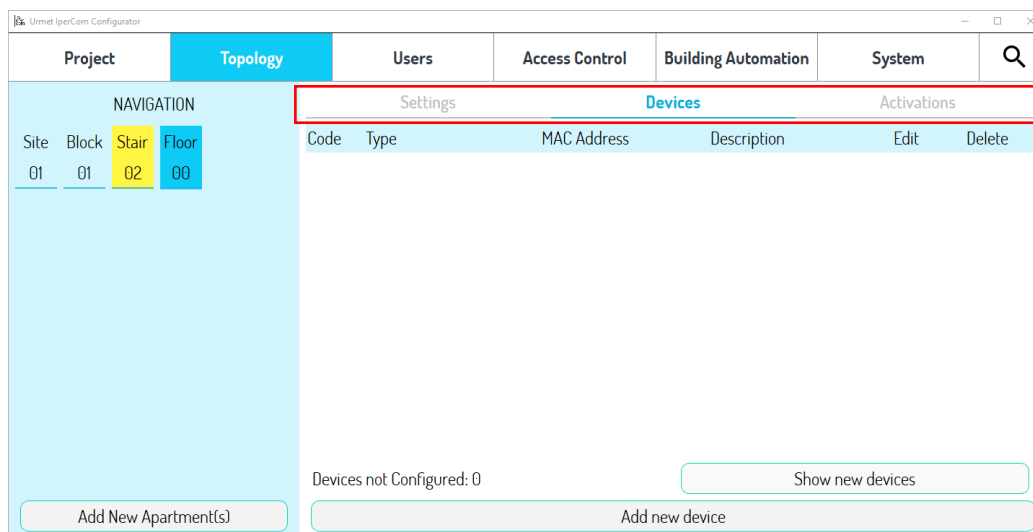


Figure 333: tab "Address books" not present on nodes below the stair node with gateway

The “*Contacts*” tab instead remains available on each stair node with *Gateway 2Voice*, as on these nodes it is possible to add other IPerCom devices (except apartment stations).

On stair 01 of block 01, instead, the “*Contacts*” tab is normally present up to the apartment node:

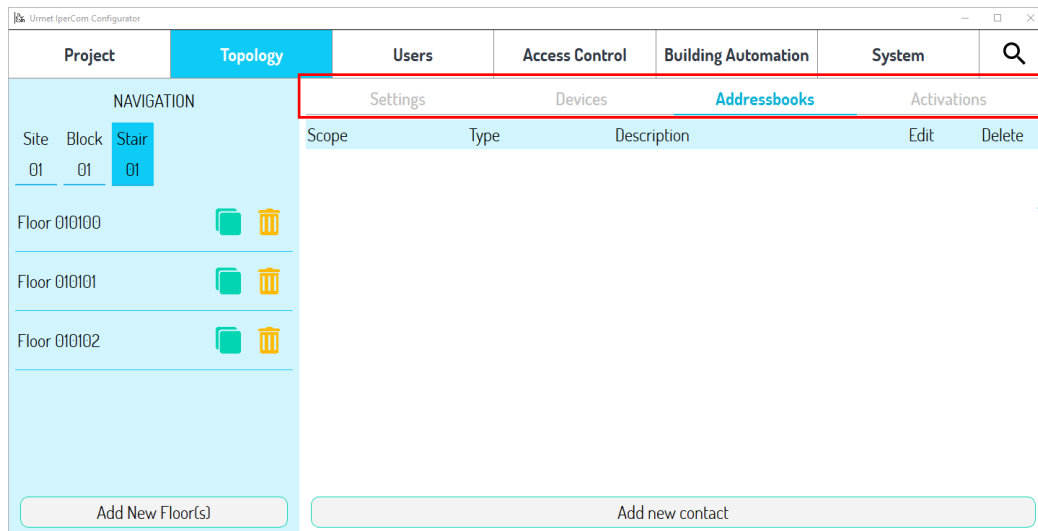


Figure 334: tab “Addressbooks” present on stair without gateway

Similarly, it is not possible to add a switchboard or a calling station contact to carry out the auto-on on a 2Voice audio / video apartment station.

If the dental practice contact (or other) is added on the site node with the “*Public*” option selected, this is not propagated on the stair nodes with gateways and its lower nodes.

In order that 2Voice apartment stations can call the dental practice, they must call the switchboard, the switchboard call the dental practice and then make a call transfer.

In general, IPerCom and 2Voice devices do not always behave in the same way about the most important services offered by the IPerCom system.

In the following appendices:

#### [APPENDIX A: 2Voice and IPerCom apartment station](#)

#### [APPENDIX B: 2Voice and IPerCom calling station features with Switchboard](#)

there are 2 tables that summarize these differences in performance; in detail in first appendix differences in performance between an audio / video apartment station IPerCom and 2Voice are listed while in second appendix differences in performance compared to switchboard are listed.


### 8.1.5 Activations

The "*activation rules*" (more briefly "*activations*") allow defining the behaviour of the relay outputs in relation to events that can occur within the *IPerCom* system.

The devices that provide the control relays output are:

- *Relay Actuators* 1060/84: two fully independent relay outputs and two inputs,
- *Lift Interface* 1060/37: 24 relay outputs and one input,
- *Entry Panel* 1060/33-34-71-74-75-78: only the relay output that controls the gate,
- *Entry Panel* 1060/21: only the relay output that controls the gate,
- *Call Module* 1060/12-13-17-18-23: only the relay output that controls the gate,
- *Modular Calling Station with* 1060/48: only the relay output that controls the gate.

The devices *Relay Actuator* 1060/84 and *Lift Interface* 1060/37 connect directly to the IP network. For the other devices it is necessary to set the gate as the output of a relay actuator in the *configurator* (see paragraph [Gate contact used as output of a Relay Actuator](#)).

 The relay output connected to the gate of a calling station can function alternatively as the output of a relay actuator or as an output that controls a gate.

To program the outputs of the *Relay Actuator*, follow the instructions on the device configuration page ([Configuration parameters of IPerCom devices](#)).

For the programming mode of *Lift Interface* outputs in *Lift Interface* mode, follow the instructions in paragraph *Lift Interface*. In *Relay Actuator* mode, follow the *Relay Actuator* device configuration page (paragraph [Configuration parameters of IPerCom devices](#)).

The events that define the behaviour of the relay outputs can be divided into three groups listed below:

1. **Events on device:** outgoing call, auto-on, tamper alarm, coercion alarm, code activation; door opening, gate opening, user detection (following proximity key passage or door opener code entry); these events can be set from the configuration page of the devices, i.e. *Call Module*, *Entry panel* (1060/21-22-33-34-71-74-75), *Modular Entry Panel with 1060/48*, *Key Reader*.
2. **Topological events:** door opening, gate opening, incoming call (only for apartment stations), user activation (on *MAX*, *VOG<sup>7</sup>*, *VOG<sup>5+</sup>*, *IPerCom Client* and *Basic* video door phones), user activation - Apartment station T1 (key 1 of *Miro* door phone 1160/3 and video door phone 1761/6), user activation - Apartment station T2 (key 2 of *Miro* door phone 1160/3 and video door phone 1761/6), lift up, lift down, panic alarm, activation from switchboard. Except the last event, all others can generally be set on a precise topological node of the system (i.e. at site, block, unit, floor, or apartment level) and are then propagated on all apartment station contained in the topological group of the node on which the activation will be created. If the activation has been set on an apartment, it will only apply to that individual apartment. Switchboard activations, on the other hand, concern only the **Switchboard** application and, more precisely, they are activation rules created on the topological path of the application itself.
3. **Automation events:** events related to the configuration of the inputs of *Relay Actuator* 1060/84 (with firmware version 3.04 or higher).



*Door and gate opening events on call devices activate one or more relay outputs only during the call phase. The same events defined at topological level activate the relay outputs also outside the call, by simply pressing the door and gate opening keys of apartment stations.*

On the *configurator* the choice of the above events and the configuration of the corresponding relay outputs can be carried out as follows.

For the **events on device**, it is necessary to open the configuration page of the devices indicated in point 1:

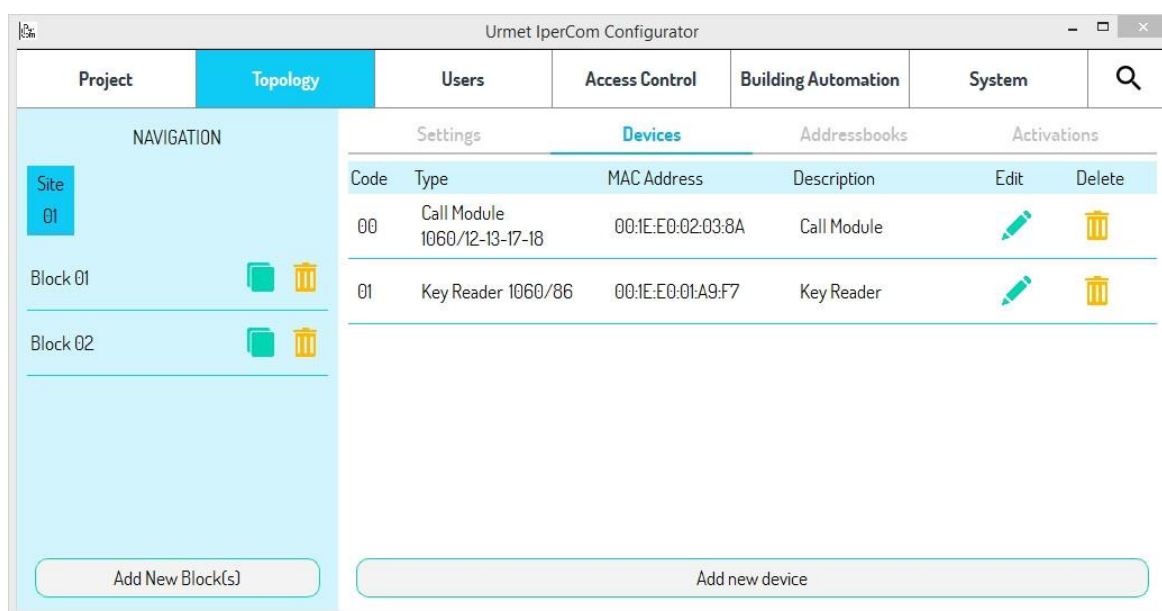


Figure 335: Devices present on site node

Simply press the "Edit" button of the Call Module. At the bottom of the screen there is the "Add" button in the **Activations** section, from which it is possible to create the activation rule as described below.

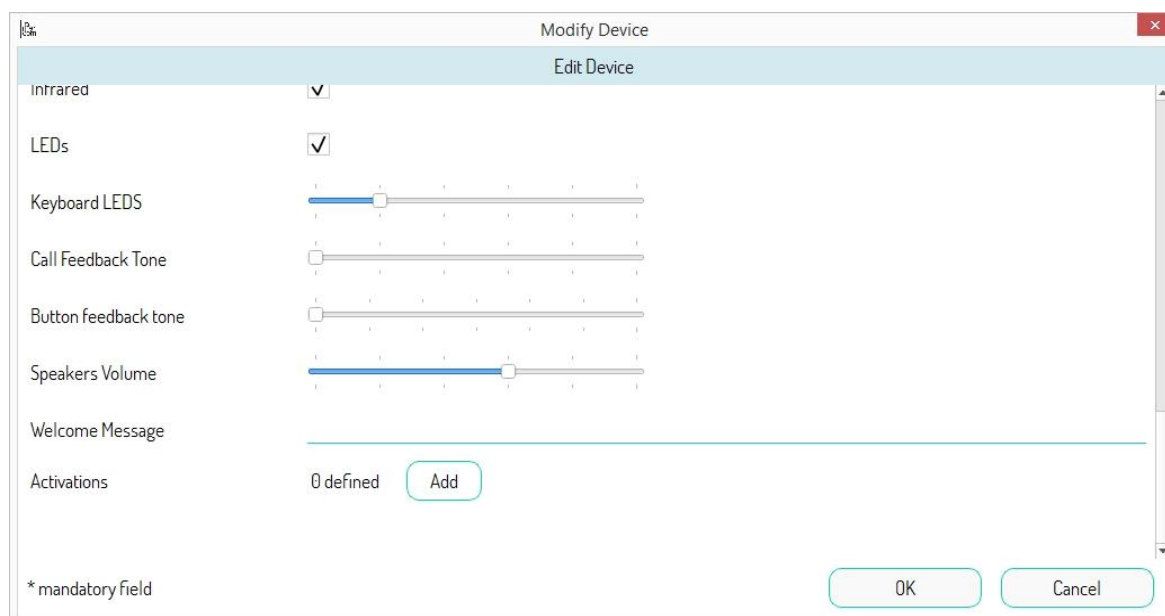


Figure 336: "Activations" button to connect device events to the outputs

For **topological events**, press the "Activations" tab on the "Topology" page and navigate the topological structure of the system to the node where you want to create the activation rule:

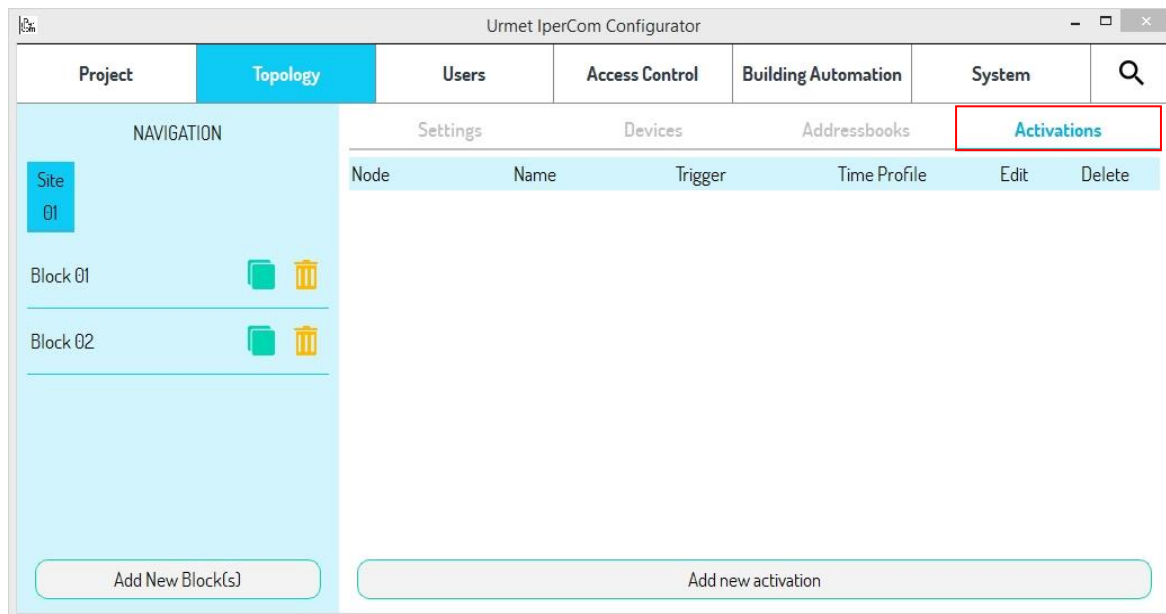


Figure 337: "Activations" tab to connect topological events to outputs

For **automation events**, press "Automation" on the main screen of the configurator:

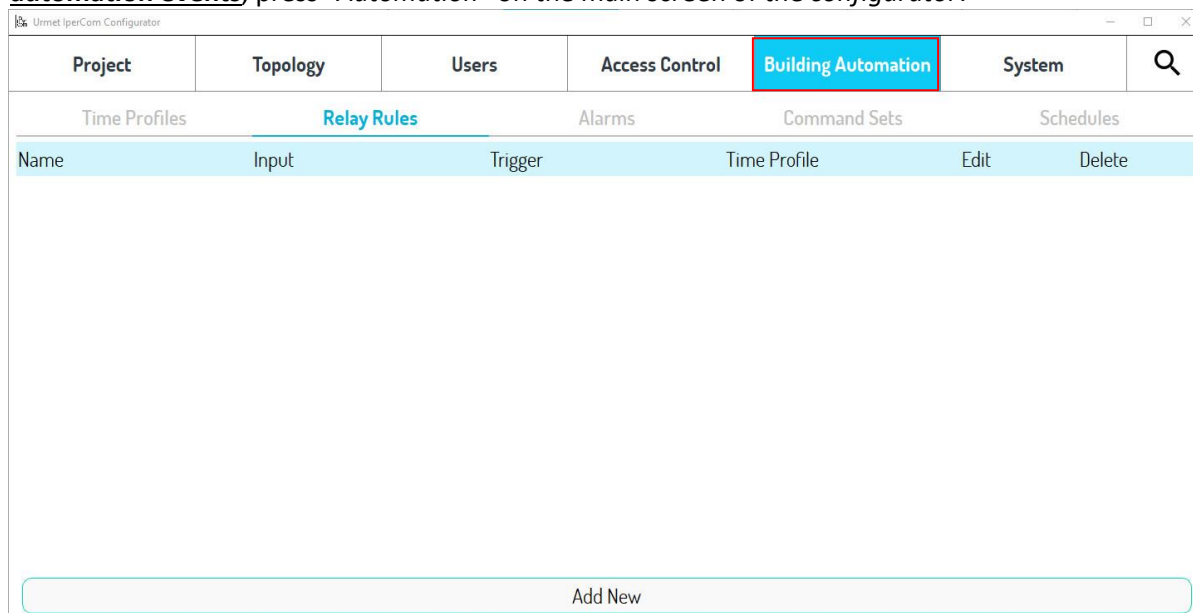


Figure 338: "Automation" tab for linking input events to outputs

The following summary table groups the possible events according to the source (device) or type of event itself:

<b>DEVICE/EVENT TYPE</b>	<b>EVENTS</b>
<i>Entry panel (1060/33-34-71-74-75-78)</i>	Outgoing call, auto-on, door opening, gate opening.
<i>Entry panel (1060/21)</i>	Outgoing call, auto-on, user detection, door opening, gate opening.
<i>Private Call Module (1060/22)</i>	Outgoing call, auto-on.
<i>Call Module (1060/12-13-17-18-23)</i>	Outgoing call, auto-on, tamper alarm, coercion alarm, code activation, user detection, door opening, gate opening.
<i>Modular Calling Station with 1060/48</i>	Outgoing call, auto-on, coercion alarm, code activation, user detection, door opening, gate opening.
<i>Key Reader</i>	Tamper alarm, user detection, door opening.
<i>Topological events</i>	Door opening, gate opening, incoming call, user activation - MAX, user activation - apartment station T1, user activation - apartment station T2, lift up, lift down, panic alarm.
<i>Automation events</i>	ON, OFF, short press, long press (on Relay Actuator inputs).

Table 13: event types

We will now explain how to build the activation rules in the cases listed above in detail.

#### 8.1.5.1 Activation for events on *Entry panel* 1060/33-34-71-74-75-78

The "Add" button, at the bottom of the configuration page of *Entry Panel*, allows creating one or more activation rules, as shown below.



Figure 339: addition of an activation rule

Press this button to open a screen containing the list of activation rules already set, if any. If the device has just been added to the configuration or no rule has been set yet, this list will be empty, as shown in the figure:

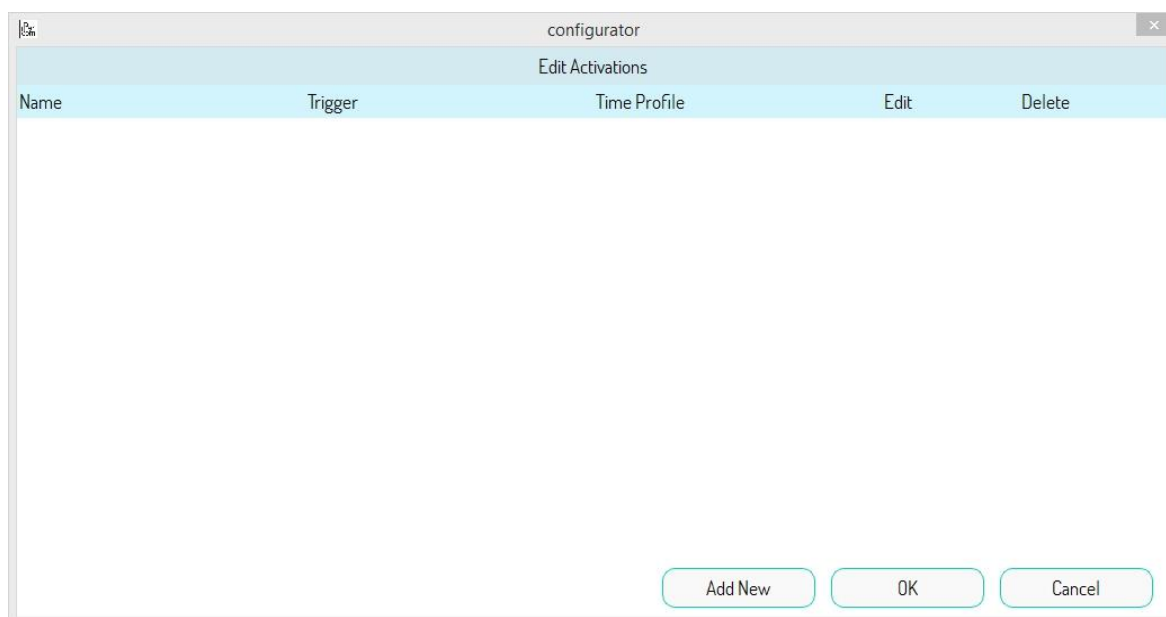


Figure 340: list of activations

To create a new activation, press the *"Add New"* button. The following screen opens in which you can set all the parameters needed to build the activation rule:

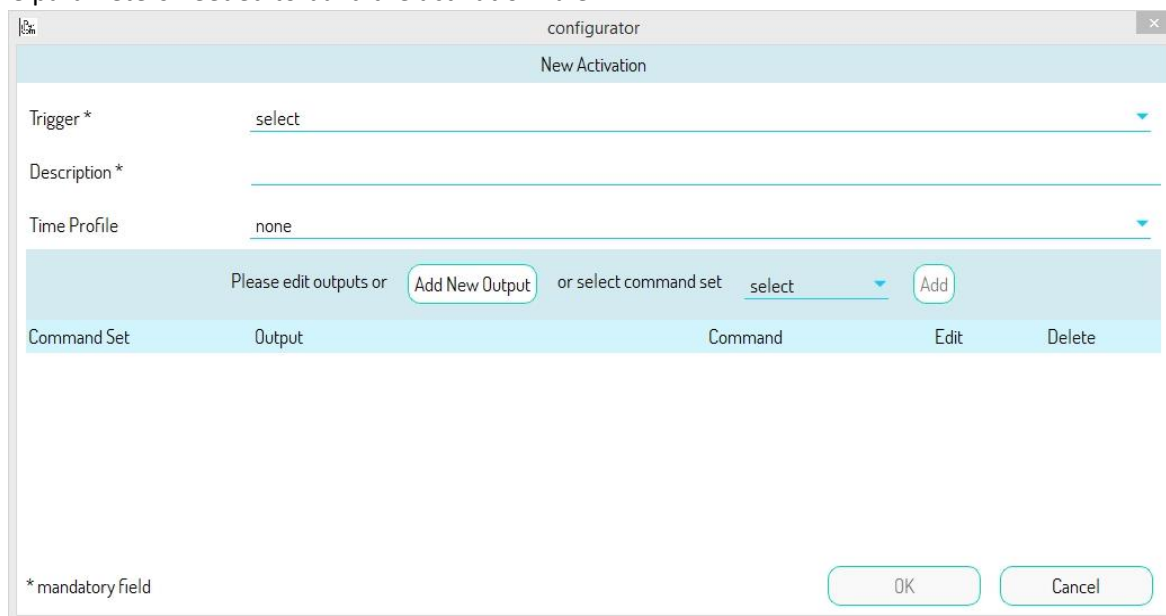


Figure 341: Screen for creating an activation with event on Entry Panel

The *"Trigger"* drop-down menu can be used to select the event to be associated with one or more outputs of the *Relay Actuators*. Possible events are:

- *"Outgoing Call"*, i.e., call from the *Door Speaker Unit*.
- *"Auto-on"*, i.e., connection from the *video door phone* to the camera of the *Entry Panel*.
- *"Door opening"*, i.e., opening the pedestrian door of the *Entry panel*,
- *"Gate opening"*, i.e., opening the gate/driveway of the *Entry panel*,

as shown on the respective screen:

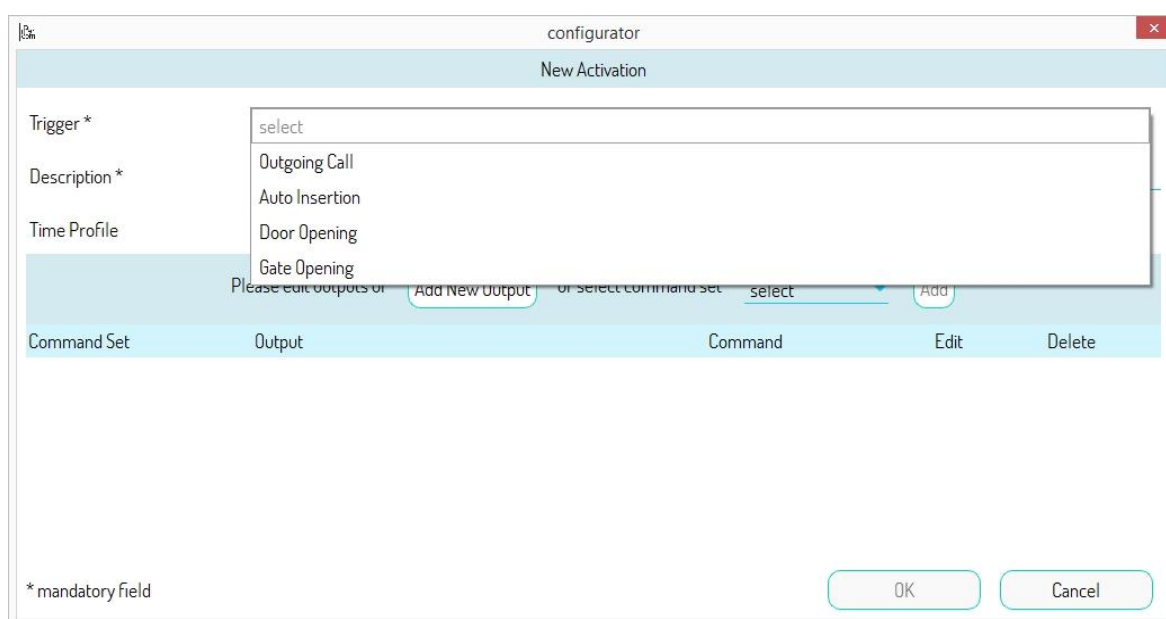


Figure 342: List of events on Entry Panel

The "*Description*" field can be used to give a meaningful name to the activation you are creating.

The "*Time Profile*" drop-down menu can be used to associate a previously created time profile with the activation rule. In this way, the rule will only be active within the selected time profile.

For example, having selected the auto-on event and given a meaningful name to the activation, the screen that appears is as follows:

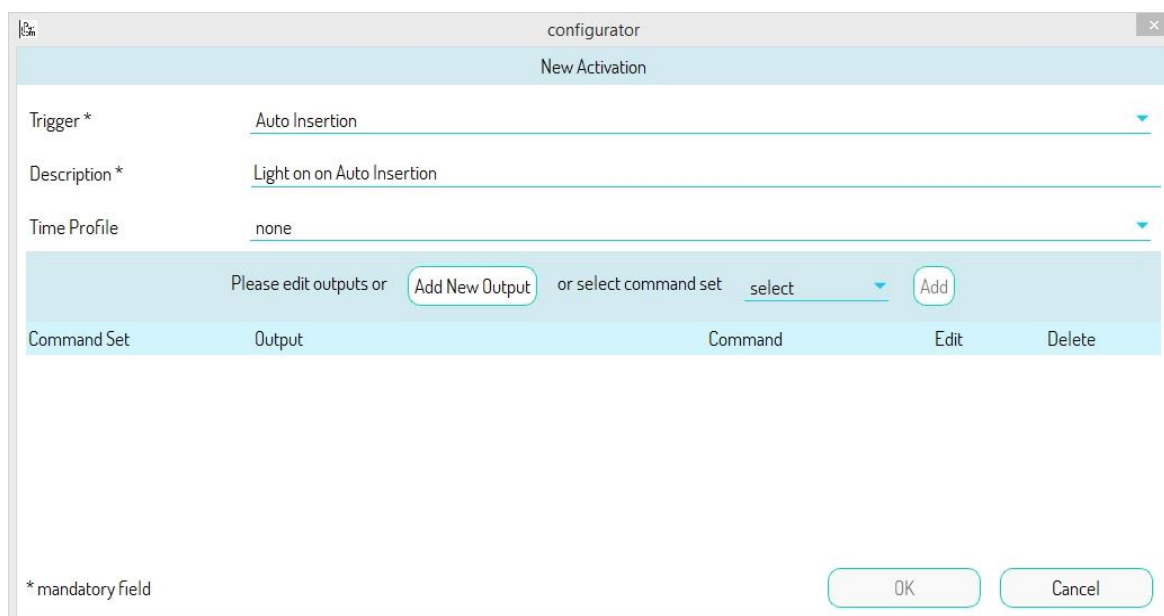


Figure 343: partial activation creation

The "*Add a New Output*" button can be used to add one or more outputs to the activation. On the new screen that appears, go to the topological node of the *Relay Actuator*, select the desired device, then choose the output and set the respective command.

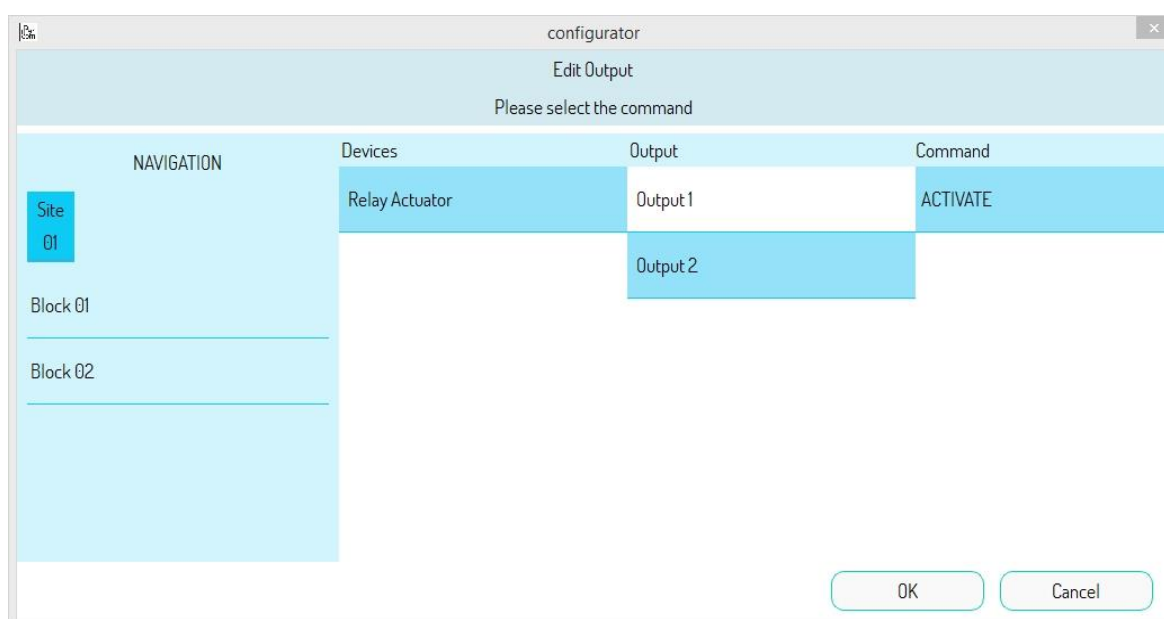


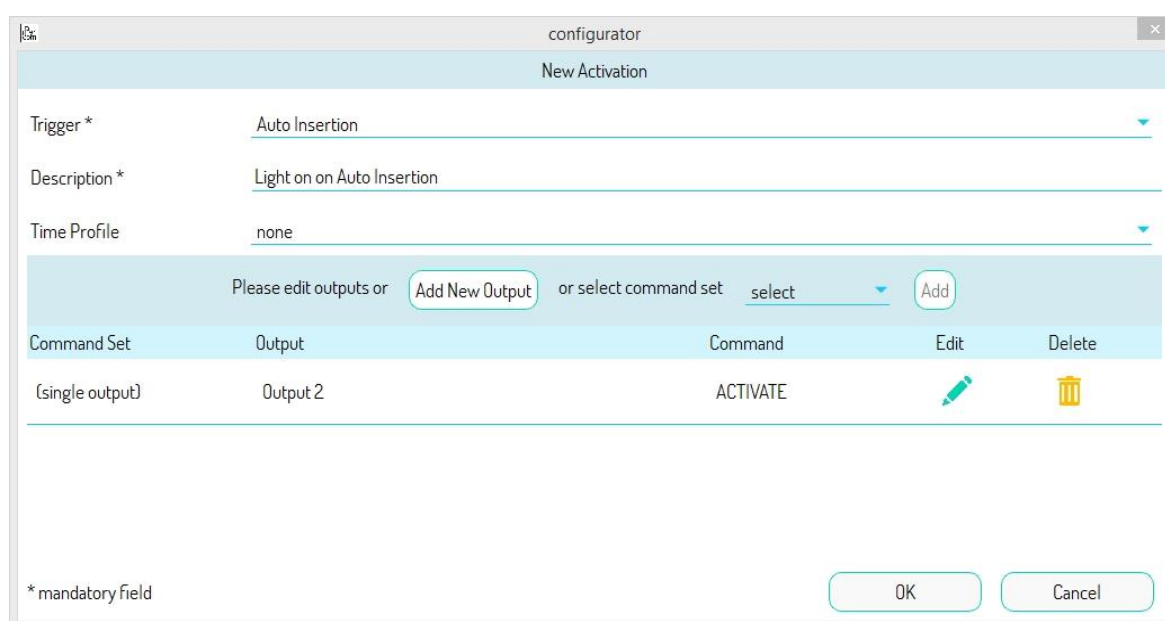
Figure 344: Selection of the desired device output

The available commands depend on how the output has been configured, i.e. monostable or bistable. In case of monostable output, only the "ACTIVATE" and "DISACTIVATE" commands are available. In the other case, the available commands are "ON", "OFF" and "SWITCH". For more details, see [Configuration parameters of IPerCom devices](#).



The "DISACTIVATE" command in monostable mode is present only on the Relay Actuator 1060/84 v. 4.05 starting from version 2.1.0 of IPerCom.

Press the "OK" button to add the set output as shown below:





Command Set	Output	Command	Edit	Delete
(single output)	Output 2	ACTIVATE		

Figure 345: list of outputs associated with the activation rule

Different outputs can be associated with the same event by pressing "Add New Output" and repeating the steps shown above. Since these are single outputs, the "Scenario" item will appear in brackets in the "Group Name" column. It is possible to add groups of previously commands created using the "Automation" function on the "Command Sets" tab (see dedicated paragraph [Creating a scenario](#)). In this case, the "Scenario" column shows the name given to the previously created group of commands.

Once configuration of the activation rule is finished, press the "OK" button to end the rule creation procedure.

The list of activation rules shown will contain the new created activation.

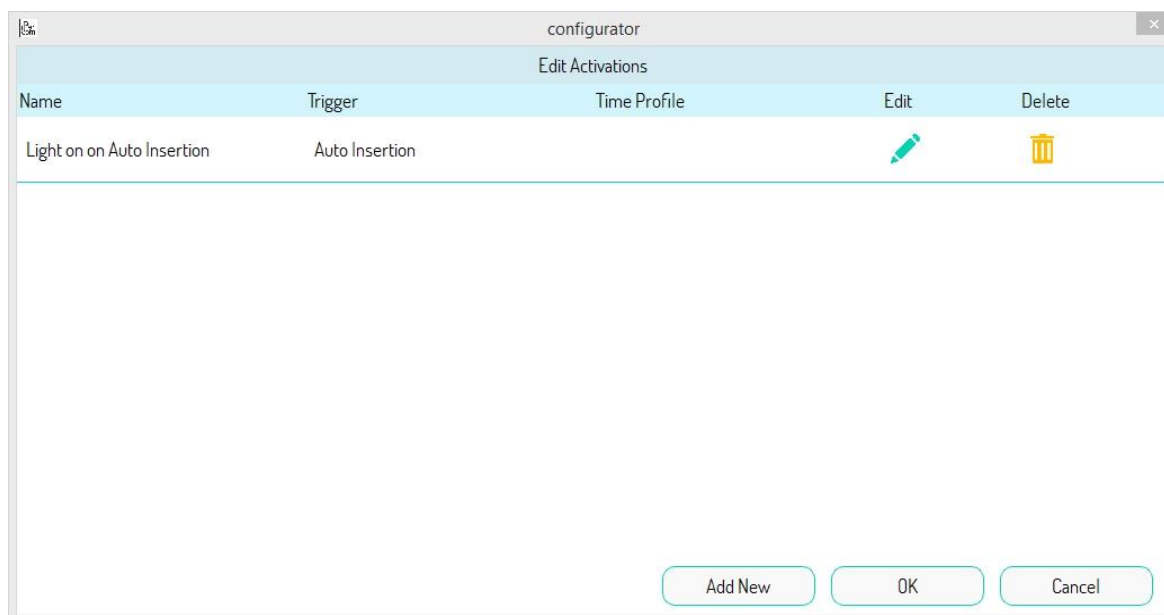


Figure 346: activation table with the newly created element

The second output of the “Relay Actuator” is automatically activated in monostable mode every time an auto-on is performed in the entry panel.

In any case it is possible to modify or delete the newly created activation using the "Edit" or "Delete" buttons, or create new ones using the "Add" button.

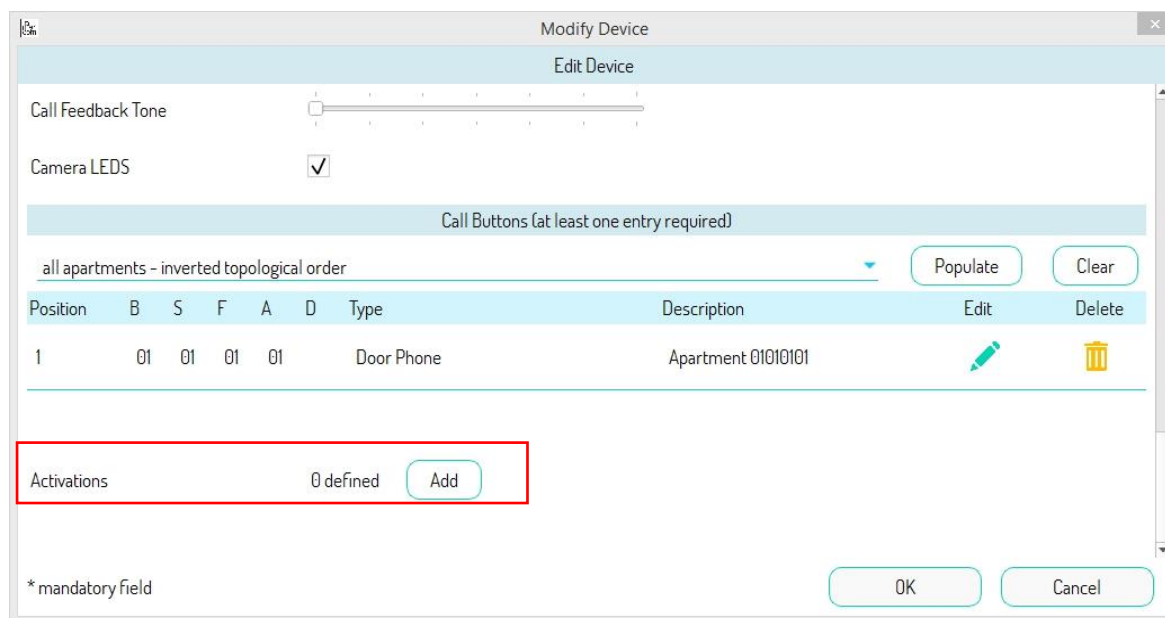
Press the “OK” button, instead, for a summary of the number of rules created:



Figure 347: summary number of activations created

### 8.1.5.2 Activation for events on Entry panel 1060/21

The "Add" button, at the bottom of the configuration page of *Entry panel 1060/21*, allows you to create one or more activation rules, as shown below:



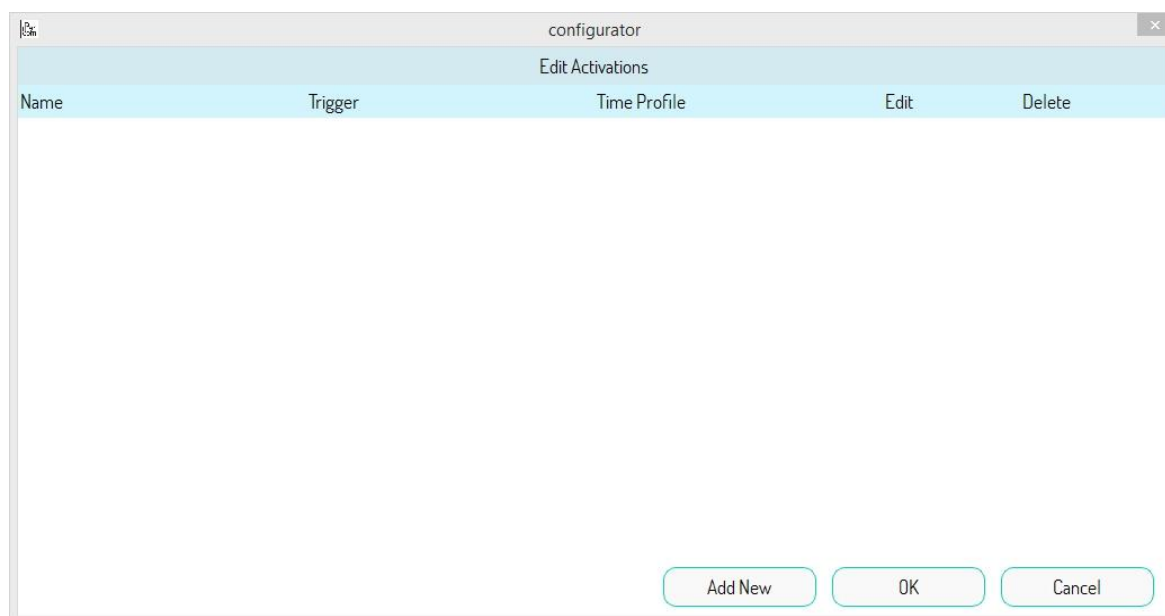
The screenshot shows the 'Modify Device' window with the 'Edit Device' tab selected. The 'Call Feedback Tone' is set to a low level, and 'Camera LEDS' are checked. Below these is a section for 'Call Buttons (at least one entry required)' with a dropdown menu showing 'all apartments - inverted topological order' and 'Populate' and 'Clear' buttons. A table lists the call buttons:

Position	B	S	F	A	D	Type	Description	Edit	Delete
1	01	01	01	01		Door Phone	Apartment 01010101		

At the bottom, the 'Activations' section is highlighted with a red box, showing '0 defined' and an 'Add' button. The 'OK' and 'Cancel' buttons are at the bottom right.

Figure 348: addition of an activation rule

Press this button to open a screen containing the list of activation rules already set, if any. If the device has just been added to the configuration or no rule has been set yet, this list will be empty, as shown in the figure:



The screenshot shows the 'configurator' window with the 'Edit Activations' tab selected. The window displays a table with the following columns: Name, Trigger, Time Profile, Edit, and Delete. The table is currently empty. At the bottom, there are 'Add New', 'OK', and 'Cancel' buttons.

Figure 349: list of activations

To create a new activation, press the "Add New" button.

The same screen as for the creation of activations with event on *Entry panel 1060/71-74-75-78* opens, where it is possible to set all the parameters necessary to create the activation rule:

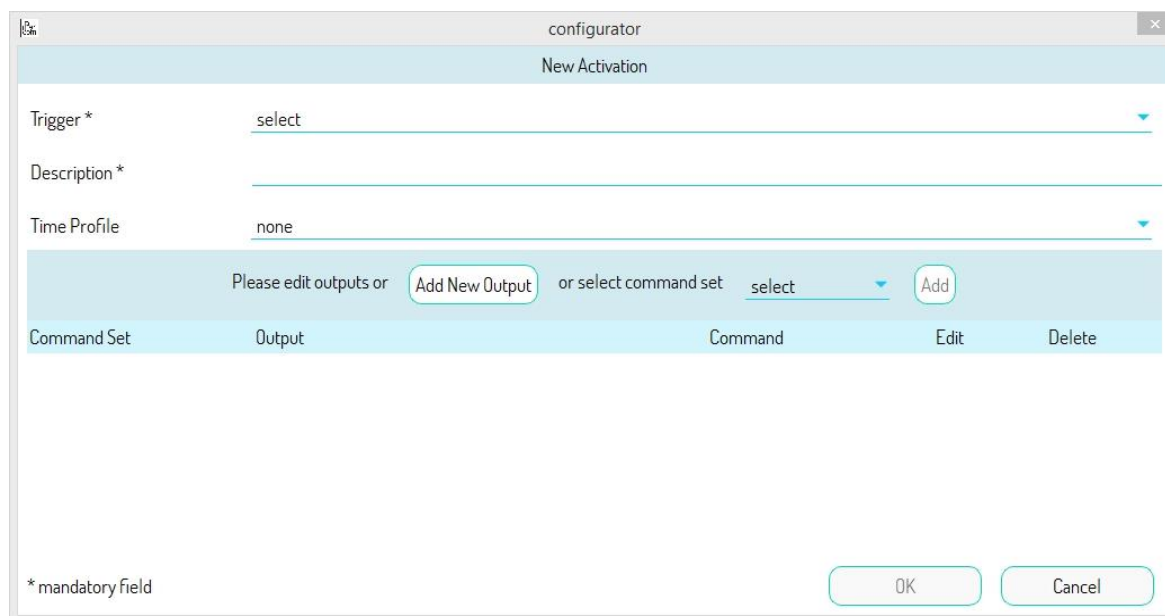


Figure 350: screen for creating an event activation

The "Trigger" drop-down menu allows selecting the event to be associated to one or more *Relay Actuator* outputs. The possible events on *Entry panel 1060/21* are:

- "Outgoing Call", i.e. call from the *Entry Panel*;
- "Auto-on", i.e. connection from the *video door phone* to the camera of the *Entry Panel*;
- "User Detection", i.e. passing a proximity key or door opener code associated with a user (resident or non-resident);
- "Door opening", i.e. opening the pedestrian door of the *Entry panel*,
- "Gate opening", i.e. opening the gate/driveway of the *Entry panel*.

These events are shown in the following window:

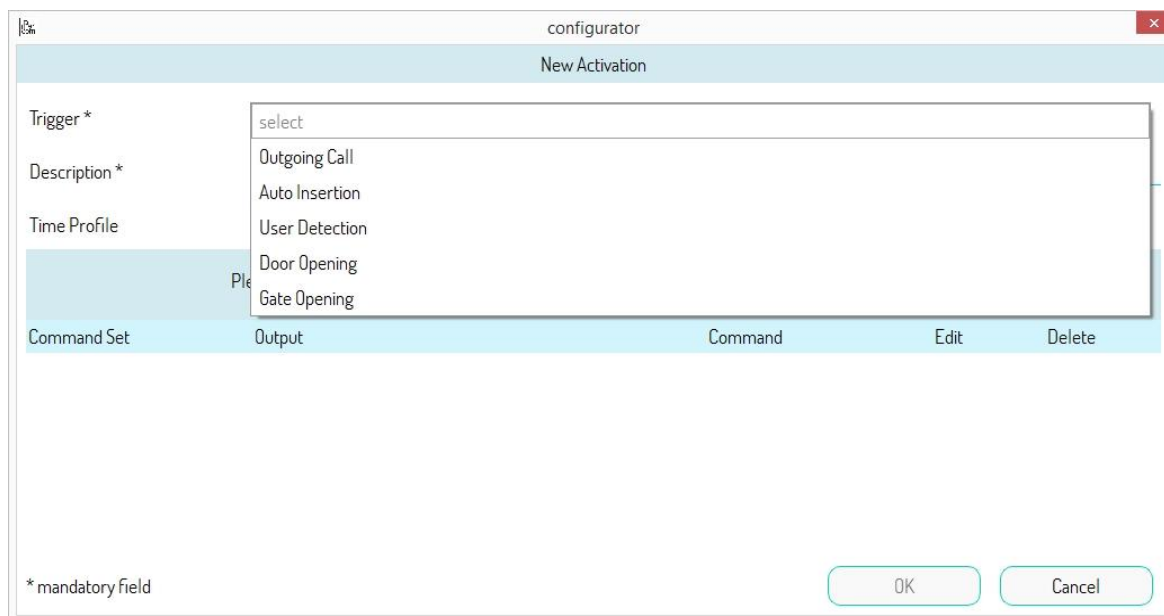


Figure 351: events list on Entry Panel 1060/21

The creation of the activation rule is carried out in the same way as seen for the *Entry panels*.

#### 8.1.5.3 User detection event

The user detection event allows you to activate one or more *Relay Actuator* outputs after:

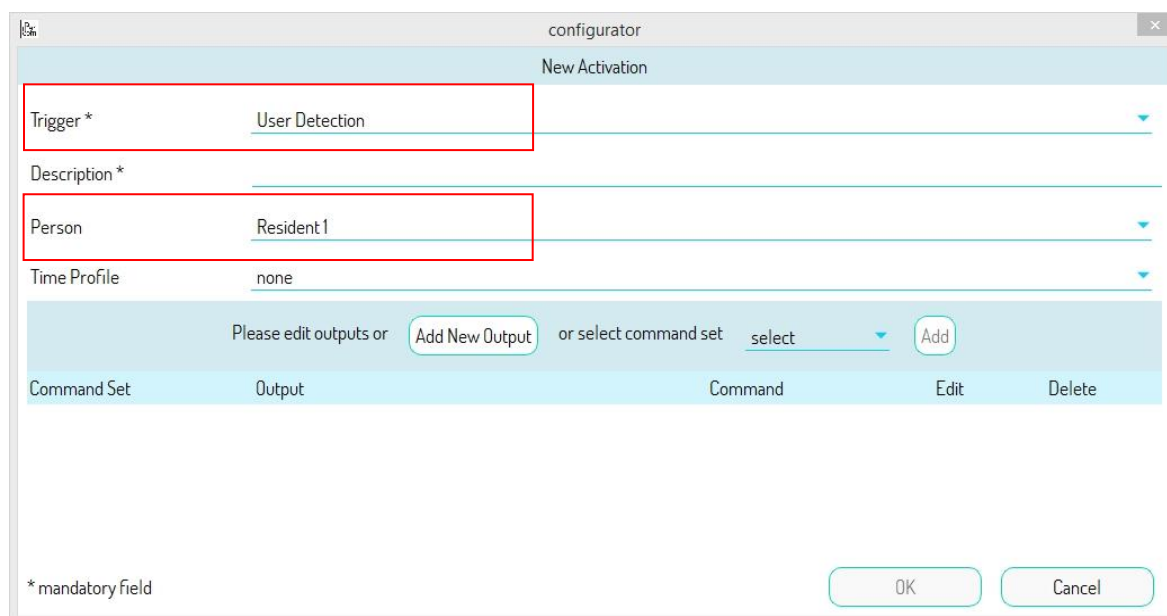
- passing a valid proximity key of a resident or non-resident;
- entering a valid door opener code of a resident or non-resident.

This function is available on the following devices:

- *Entry panel 1060/21* (passing a valid proximity key),
- *Call Module* (passing a valid proximity key or entering a valid door opener code),
- *Modular Entry Panel with 1060/48* (passing a valid proximity key or entering a valid door opener code),
- *Key Readers 1060/45* (passing a valid proximity key),
- *Key Readers 1060/86* (passing a valid proximity key).

In this way, for example, when a valid key is passed on a *Key Reader* at the entrance of a building basement, it is possible to automatically open a garage up-and-over door or switch on the basement lights.

Once the “*User Detection*” event has been chosen, the “*Person*” drop-down menu is displayed in the activation rule construction screen, which allows you to select the resident or non-resident whose proximity key and/or door opener code activates one or more *Relay Actuator* outputs, as shown in the screen below:



configurator

New Activation

Trigger \* User Detection

Description \*

Person Resident 1

Time Profile none

Please edit outputs or Add New Output or select command set select Add

Command Set	Output	Command	Edit	Delete

\* mandatory field

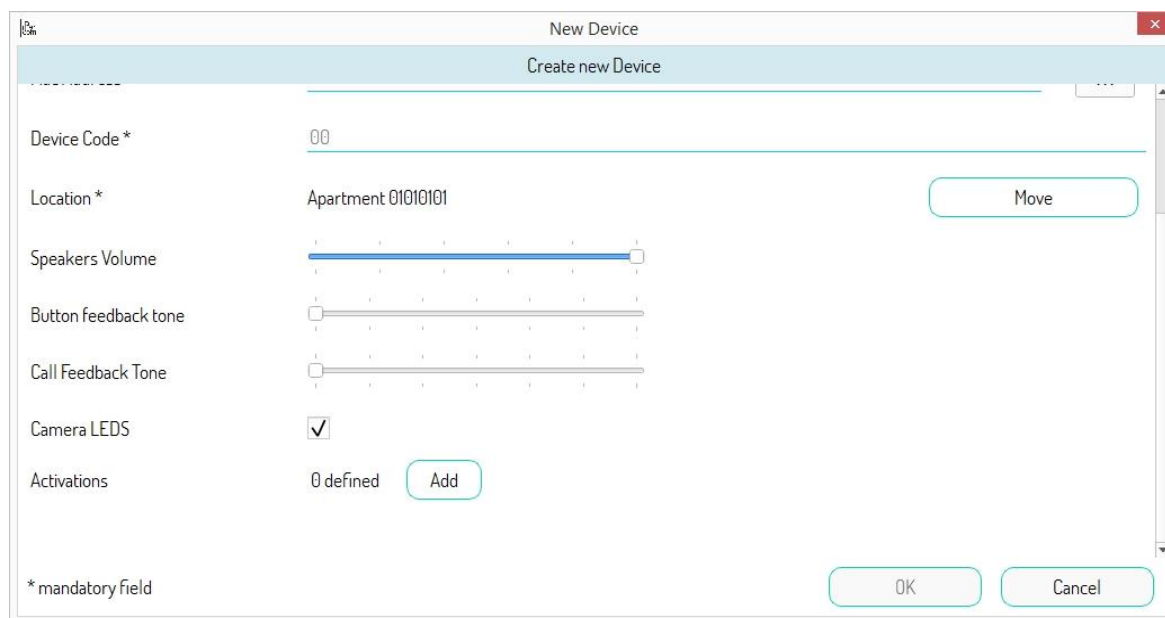
OK Cancel

Figure 352: user choice if the selected event is *User Detection*

The key and door opener codes are defined during the creation of the resident or non-resident (for further details see paragraph [User management](#)).

#### 8.1.5.4 Activation for events on *Private Call Module 1060/22*

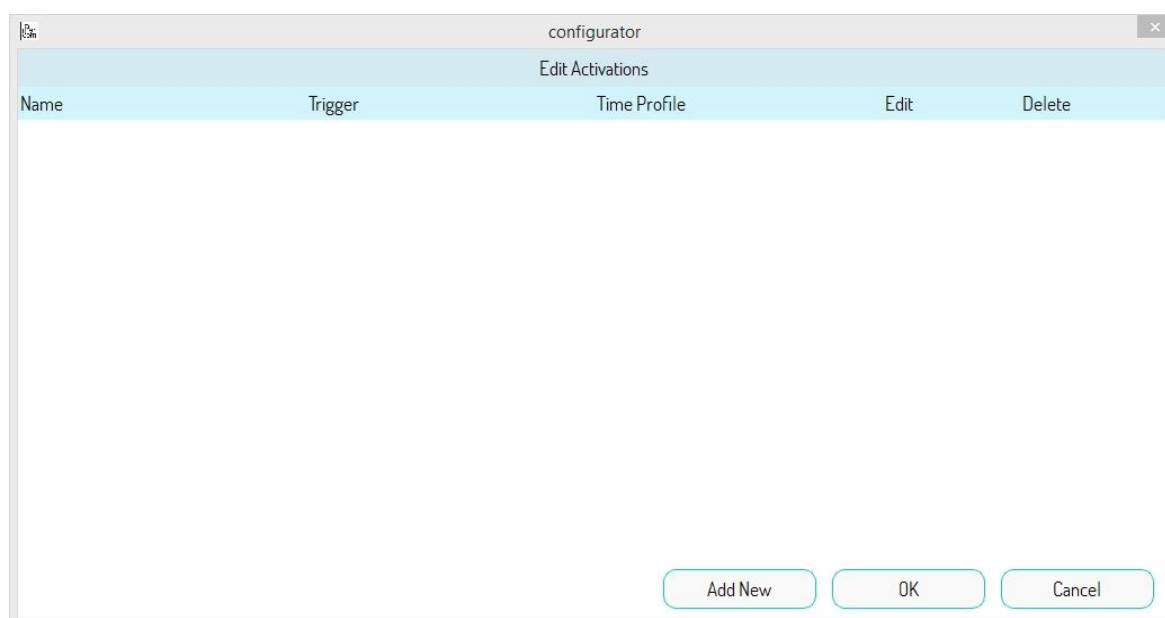
The "Add" button, at the bottom of the configuration page of *Private Call Module 1060/22*, allows you to create one or more activation rules, as shown below:



The screenshot shows a window titled "New Device" with a sub-header "Create new Device". It contains several configuration fields: "Device Code\*" with a value of "00", "Location\*" with a value of "Apartment 01010101" and a "Move" button, "Speakers Volume" with a slider, "Button feedback tone" with a slider, "Call Feedback Tone" with a slider, "Camera LEDS" with a checked checkbox, and "Activations" with a value of "0 defined" and an "Add" button. At the bottom right are "OK" and "Cancel" buttons. A footnote at the bottom left states "\* mandatory field".

Figure 353: addition of an activation rule

Press this button to open a screen containing the list of activation rules already set, if any. If the device has just been added to the configuration or no rule has been set yet, this list will be empty, as shown in the figure:



The screenshot shows a window titled "configurator" with a sub-header "Edit Activations". It contains a table with the following columns: "Name", "Trigger", "Time Profile", "Edit", and "Delete". The table is currently empty. At the bottom right are "Add New", "OK", and "Cancel" buttons.

Figure 354: list of activations

To create a new activation, press the "Add New" button.

The same screen as for the creation of activations with event on *Entry panel 1060/33-34-71-74-75-78* opens, where it is possible to set all the parameters necessary to create the activation rule:

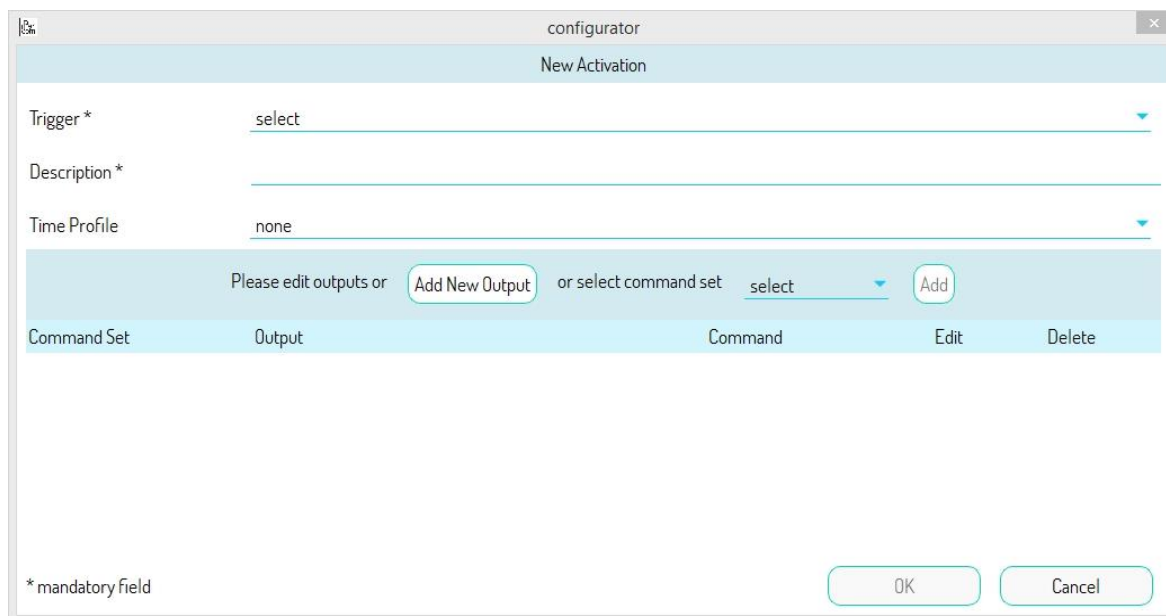


Figure 355: screen for creating an event activation

The “Event” drop-down menu allows selecting the event to be associated to one or more *Relay Actuator* outputs. The possible events are:

- “*Outgoing Call*”, i.e., call from the *Private Call Module*;
- “*Auto Insertion*”, i.e., connection from the *video door phone* to the camera of the *Private Call Module*;

as shown in the relevant screen:

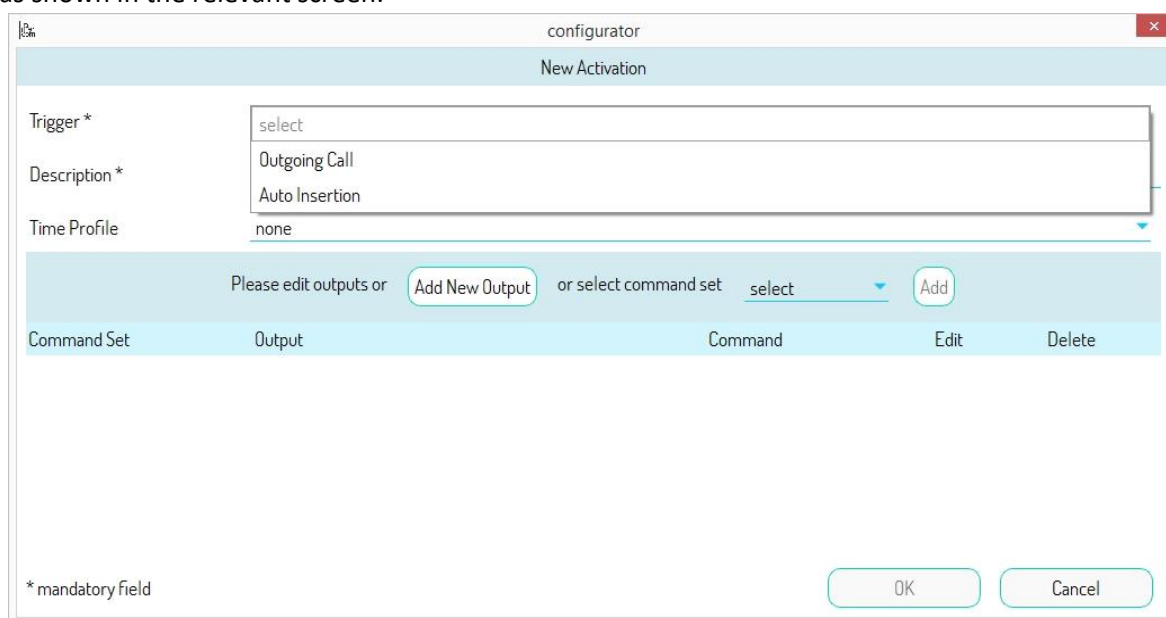


Figure 356: events list on Private Call Module 1060/22

The creation of the activation rule is carried out in the same way as seen for the *Entry panels*.

#### 8.1.5.5 Activation for events on Call Module

The "Add" button, at the bottom of the configuration page of *Call Module*, allows you to create one or more activation rules, as shown below.

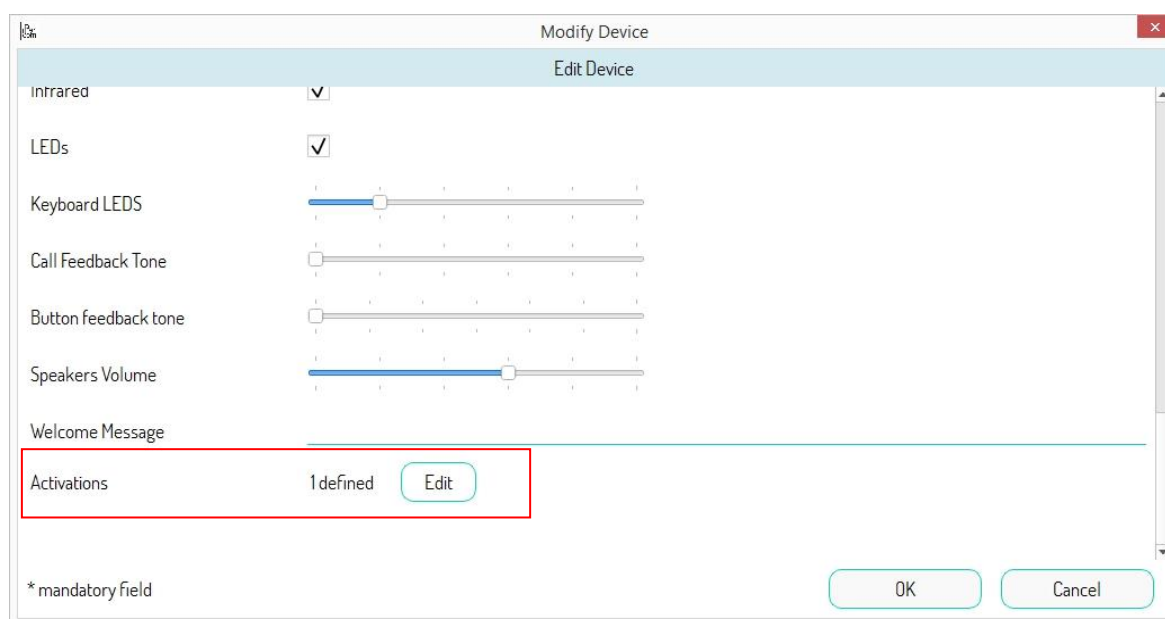


Figure 357: addition of an activation rule

Press this button to open a screen containing the list of activation rules already set, if any. If the device has just been added to the configuration or no rule has been set yet, this list will be empty, as shown in the figure:

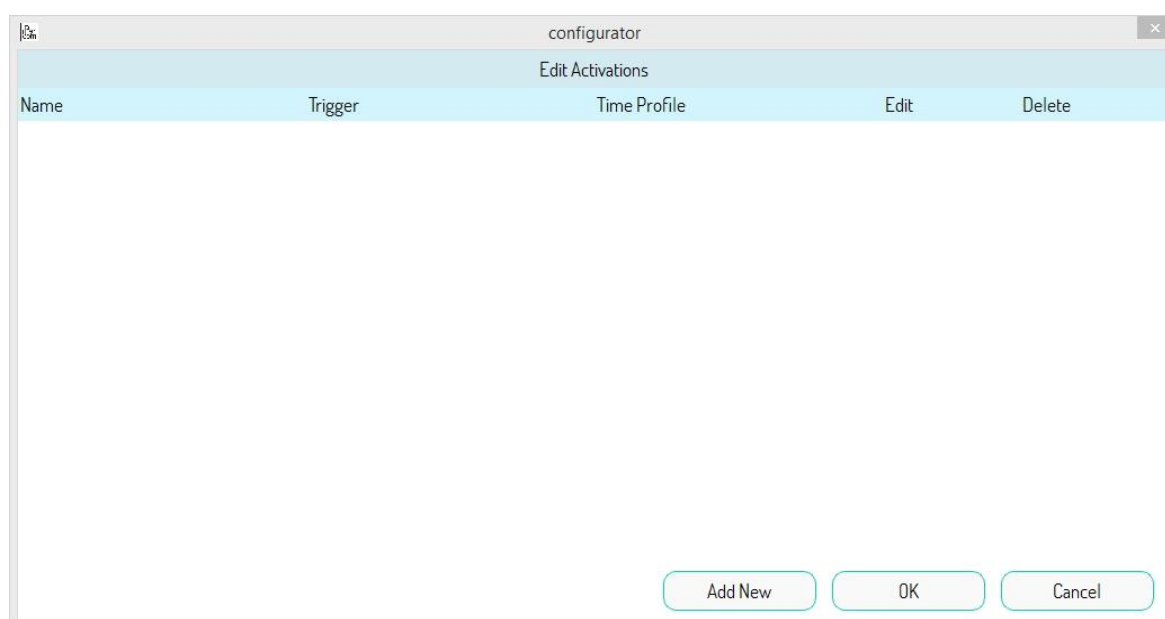


Figure 358: list of activations

To create a new activation, press the "Add" button.

The same screen as for the creation of activations with event on *Entry panel 1060/71-74-75-78* opens, where it is possible to set all the parameters necessary to create the activation rule:

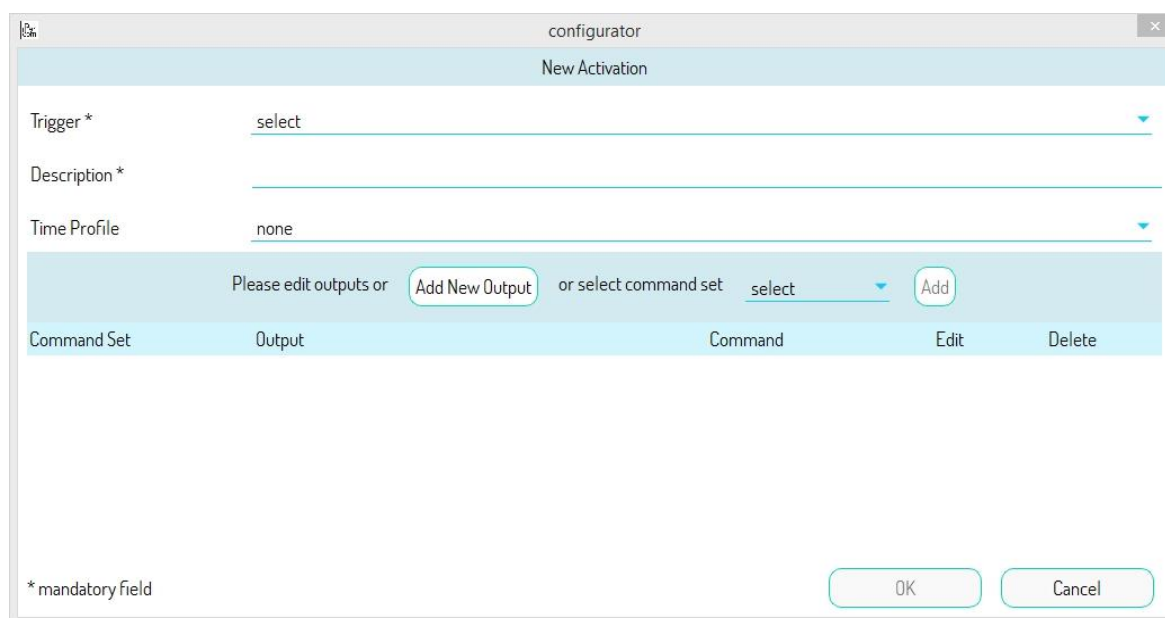


Figure 359: screen for creating an event activation

The "Event" drop-down menu allows selecting the event to be associated to one or more *Relay Actuator* outputs. The possible events on *Call Module* are:

- "Outgoing Call", i.e., call from the *Call Module* to the *video door phone*, *Audio Door Phone* or *Switchboard*,
- "Auto Insertion", i.e., connection from the *video door phone* on the camera of the *Call Module*,
- "Tamper Alarm", which means attempted tampering with the *Call Modules*,
- "Coercion Alarm", i.e., an attempt to insert a forced key code on a *Call Module* (key code increased by 1),
- "Activation Code", i.e., entry on the *Call Module* of a numerical code between 4 and 8 digits (the entry is made by entering "0" and "X" in sequence), as shown on the respective screen:
- "User Detection", i.e., passing a proximity key or door opener code associated with a resident or non-resident;
- "Door Opening", activation of the relay associated with the pedestrian crossing;
- "Gate Opening", activation of the relay associated with the driveway.

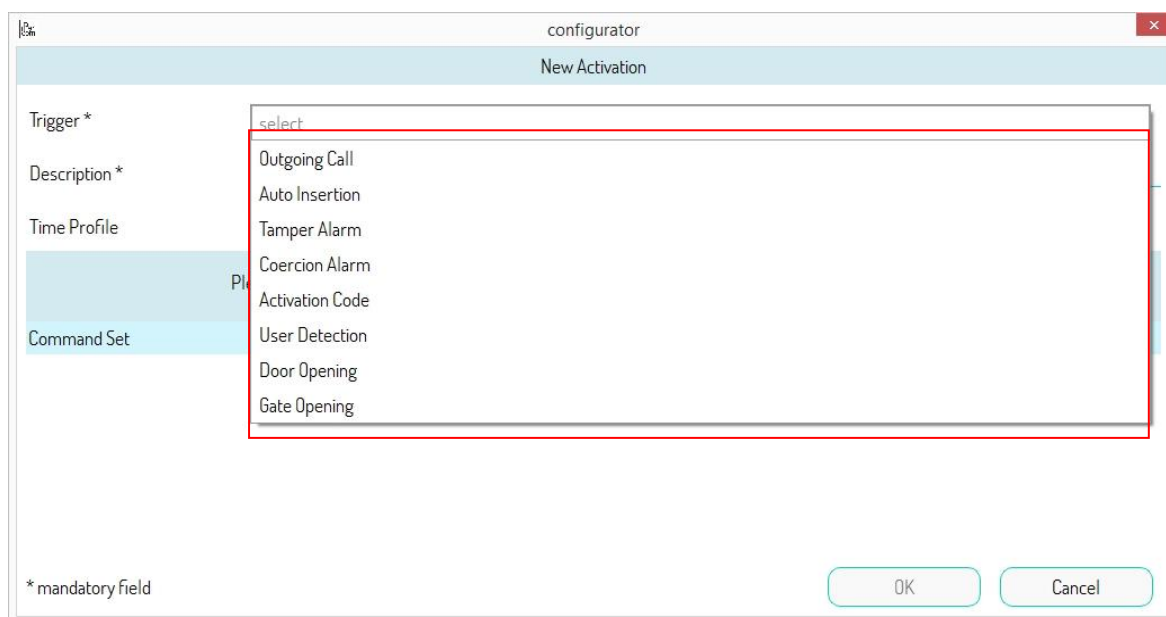


Figure 360: event list on Call Module

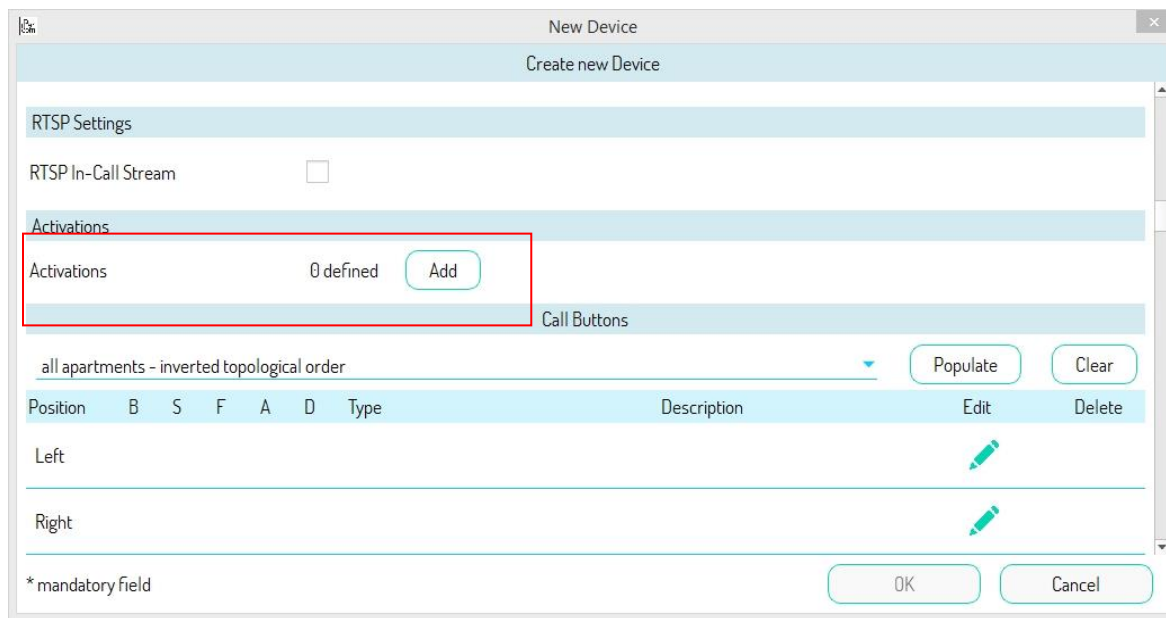
The activation rule is created in the same way as for the *Entry Panels*.



*In the "Code activation" event, the code is entered in the "Code" field in the relevant screen.*

#### 8.1.5.6 Activation for events on Entry Panel with 1060/48

The "Add" button, at the bottom of the configuration page of *Modular Entry Panel with 1060/48*, allows you to create one or more activation rules, as shown below:



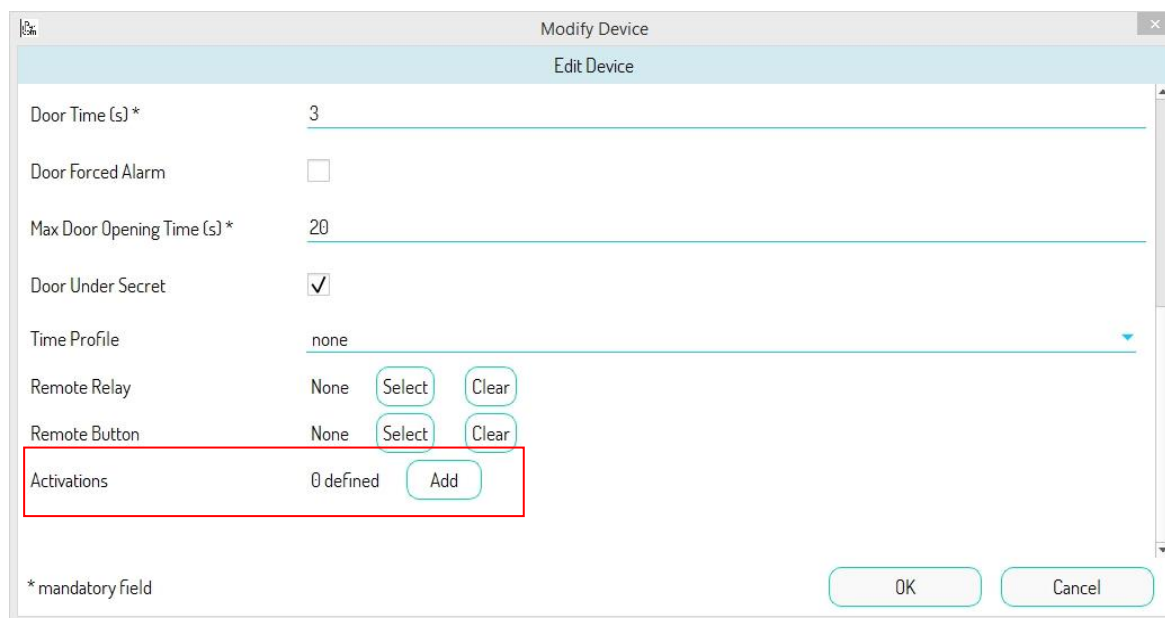
The screenshot shows the 'New Device' configuration window. The 'Activations' section is highlighted with a red box, showing '0 defined' and an 'Add' button. Below this is a table for 'Call Buttons' with columns for Position, B, S, F, A, D, Type, Description, Edit, and Delete. The table contains two rows: 'Left' and 'Right'. The 'Edit' column for each row has a pencil icon. At the bottom, there are 'OK' and 'Cancel' buttons.

Figure 361: addition of an activation rule

The creation of the activation rule takes place as already described for the *Call Module* with the only difference that the tamper alarm is not present in the list of possible events.

### 8.1.5.7 Key Reader activations

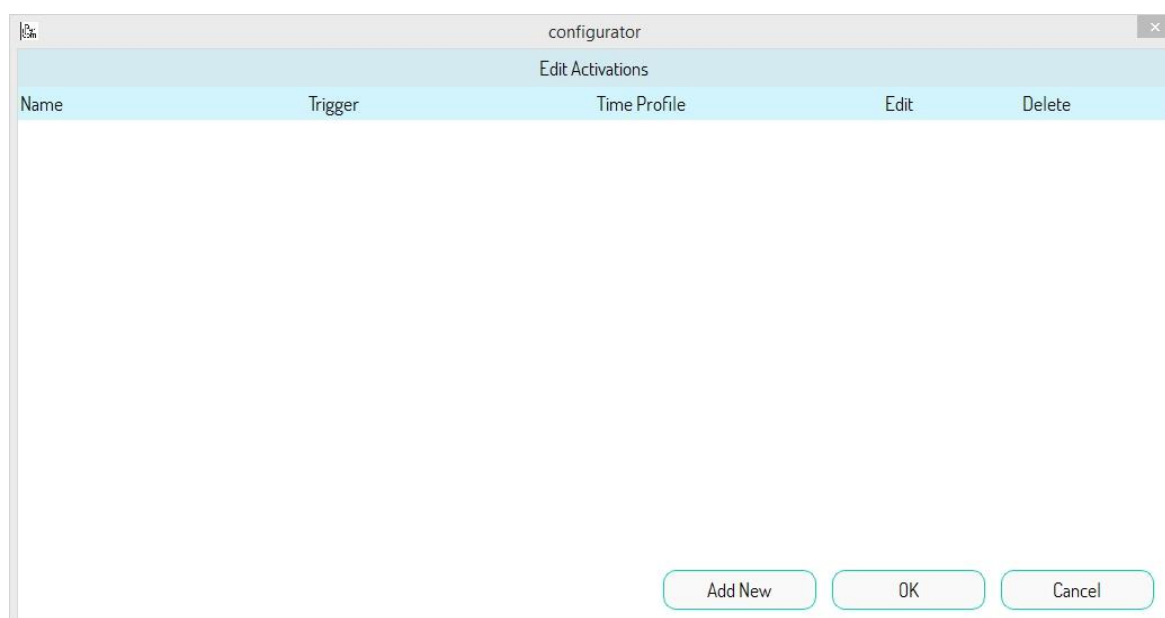
The "Add" button, at the bottom of the configuration page of *Key Reader*, allows you to create one or more activation rules, as shown below:



The screenshot shows the 'Modify Device' window with the 'Edit Device' tab selected. The 'Activations' field at the bottom is highlighted with a red box, indicating the 'Add' button used to create new activation rules. The 'Add' button is located next to the text '0 defined'.

Figure 362: "Activations" button for Key Readers

Press this button to open a screen containing the list of activation rules already set, if any. If the device has just been added to the configuration or no rule has been set yet, this list will be empty, as shown in the figure:



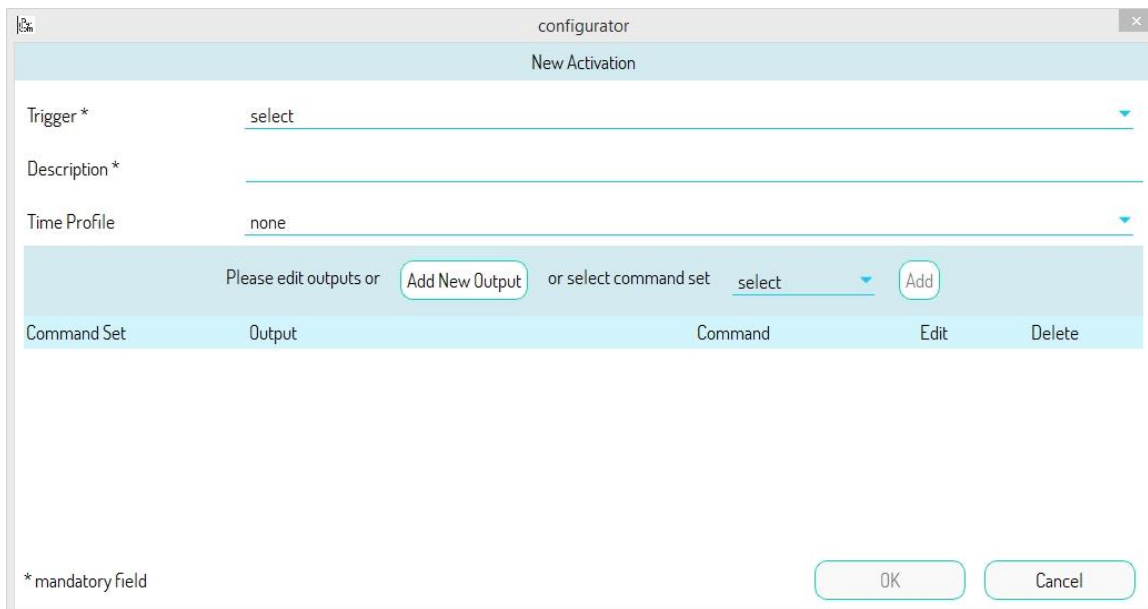
The screenshot shows the 'configurator' window with the 'Edit Activations' tab selected. The table is empty, and the 'Add New' button is visible at the bottom.

Name	Trigger	Time Profile	Edit	Delete
------	---------	--------------	------	--------

Figure 363: "Activations Tables"

To create a new activation, press the "Add New" button.

The same screen as for the creation of activations with event on *Entry panel 1060/71-74-75-78* opens, where it is possible to set all the parameters necessary to create the activation rule:



configurator

New Activation

Trigger \* select

Description \*

Time Profile none

Please edit outputs or **Add New Output** or select command set select **Add**

Command Set	Output	Command	Edit	Delete

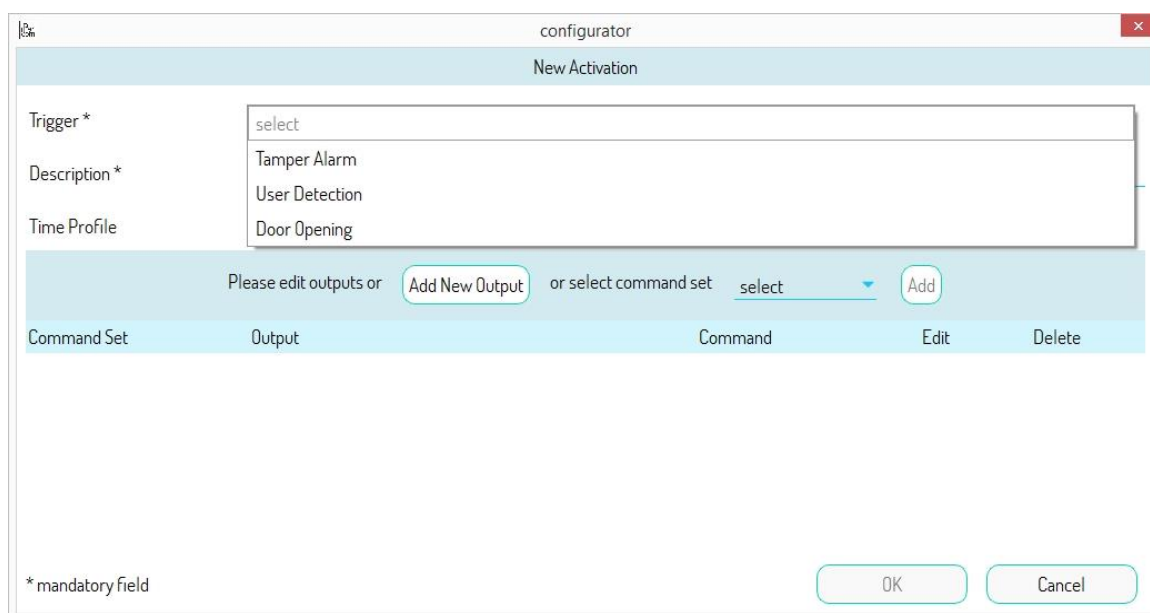
\* mandatory field

OK Cancel

Figure 364: screen for creating an activation with event on Key Reader

The “Event” drop-down menu allows selecting the event to be associated to one or more *Relay Actuator* outputs. The possible events on *Key Reader* are:

- “*Tamper Alarm*”, i.e. attempt of tampering with the *Call Modules*,
- “*User Detection*”, i.e. passing a proximity key or door opener code associated with a resident or non-resident;
- “*Door Opening*”, i.e. actuation of the relay associated with the pedestrian passageway;



configurator

New Activation

Trigger \* select

Description \*

Time Profile

Please edit outputs or **Add New Output** or select command set select **Add**

Command Set	Output	Command	Edit	Delete

\* mandatory field

OK Cancel

Figure 365: list of events on Key Reader

The creation of the activation rule is carried out in the same way as seen for the *Entry panels*.

#### 8.1.5.8 Activations for topological events

To associate a topological event to one or mode outputs of a *Relay Actuator*, *Lift Interface*, or gate of a calling station it is necessary to click on the “*Topology*” tab and then on the “*Activations*” tab.

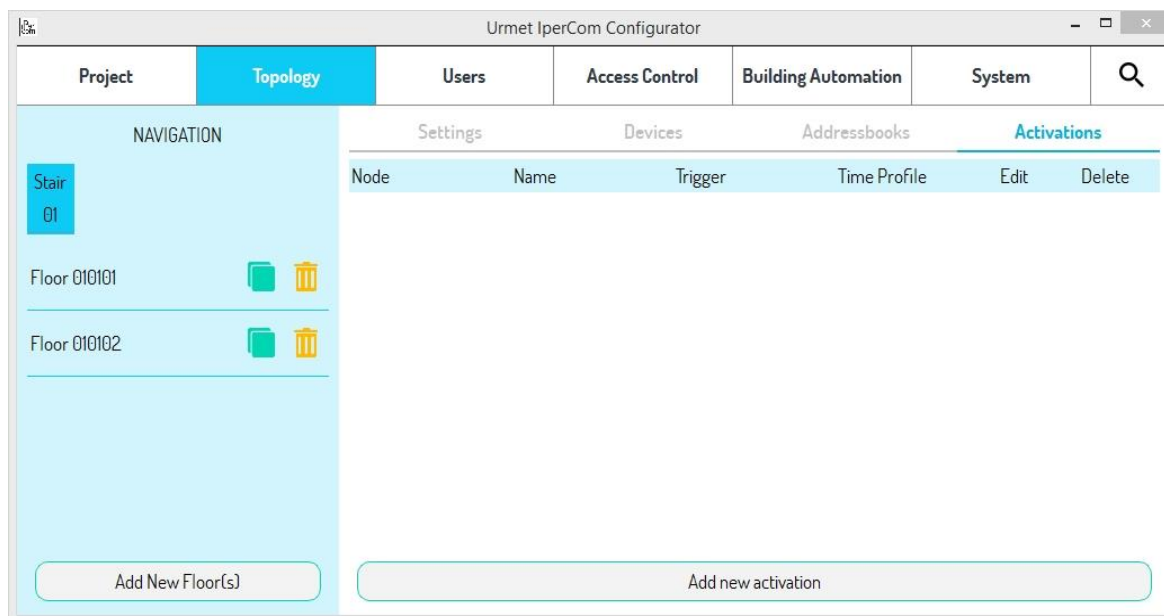


Figure 366: “Activations” screen

In the provided example, the created topology includes one stair with 2 floors and 1 apartment on each floor.

In this example, we will assume a *Relay Actuator* positioned on the stairs configured to have two monostable outputs (see [Configuration parameters of IPerCom devices](#))

The activation rule can be set at a specific topological point of the system, i.e. on site, block, staircase, floor or apartment level. This means that the activation will be propagated to all the apartments (generally on all nodes) contained in the topological group of the node on which the rule is created. If the activation has been set on an apartment, it will only apply to that single apartment.

In the case of the figure above, the activation rule will be set to “Stair 01” (since you have selected that topological node in the navigation module) and then it will be applied to both apartments.



*The propagation of the activation rule does not depend on the topological position of the Lift Interface or Relay Actuators or calling stations in the system but only on the topological group of the node where the rule is created.*

To create the activation rule, press the "Add New Activation" button on the "Activations" screen. The same view screen opens for creating of activations with event on *Entry Panel* that can be used to set all the parameters needed to build the activation rule.

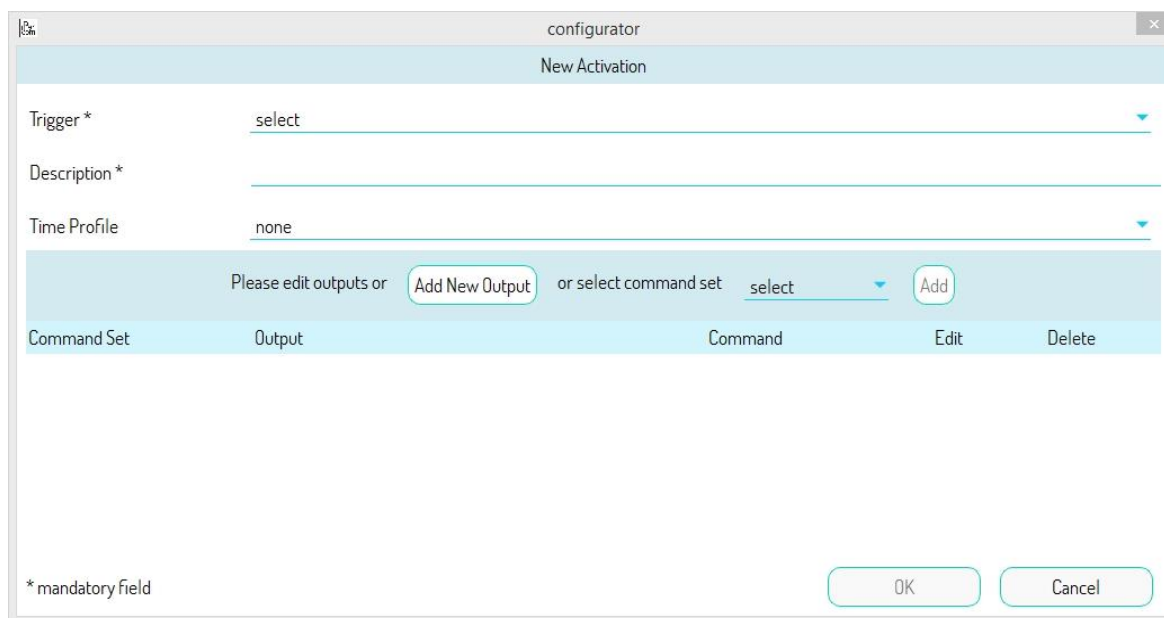


Figure 367: screen for creating an activation with a topological event

The "Event" drop-down menu allows you to select the event to be associated to one or more *Relay Actuator* or *Lift interface outputs*.

The possible topological events for the *Relay Actuator* device are

- "Door Opening", i.e., an event caused by pressing the door opening button (generic or a specific door) on the apartment station;
- "Gate Opening", i.e., an event caused by pressing the gate opening button (generic or a specific gate) on the apartment station;
- "Incoming Call", i.e., incoming call event on the apartment station;
- "User Activation", i.e., event generated by the user via *MAX*, *VOG<sup>7</sup>*, *VOG<sup>5+</sup>*, *Basic* or *VOG<sup>5</sup>* video door phones or *Miro* door phone;
- "Lift Up" and "Lift Down" (lift function), events enabled only on stair, floor, and apartment nodes;
- "Panic alarm", i.e., an event triggered by pressing the panic button on the apartment station.
- "Switchboard Activation", i.e., activation rules that appear only on the *Switchboard* application.

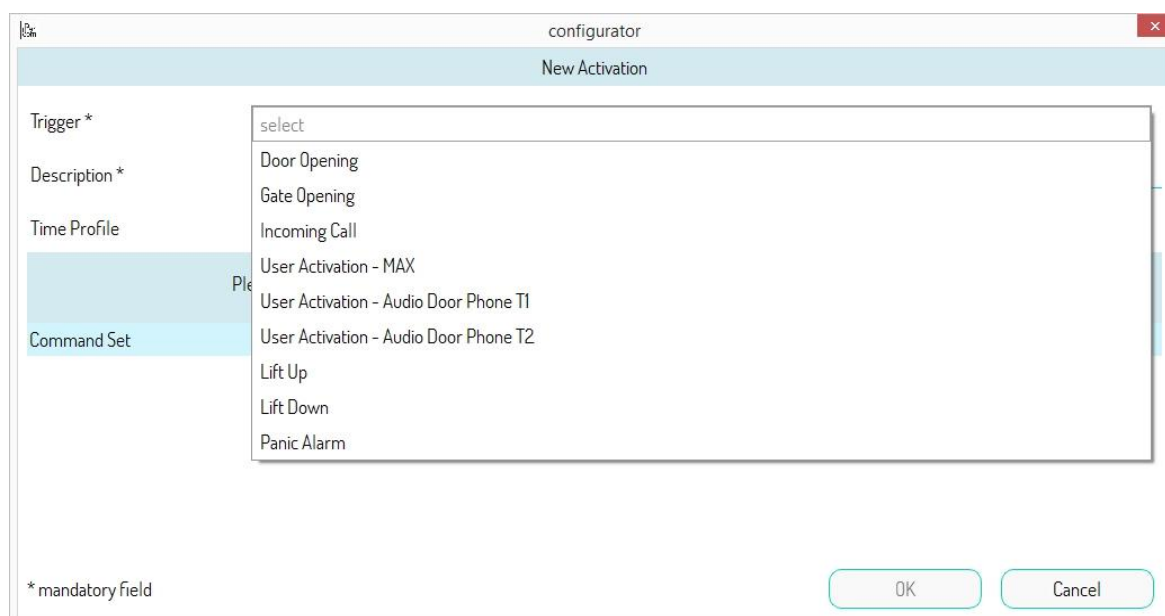


*Switchboard activations are shown only on the Switchboard application and only if they are created on its topological path.*

The possible topological events for the *Lift Interface* device are:

- “*Lift Up and Lift Down*” (lift function), events enabled only for stair, floor, and apartment nodes;

as shown on the respective screens:



The screenshot shows a 'New Activation' dialog box with the following fields:

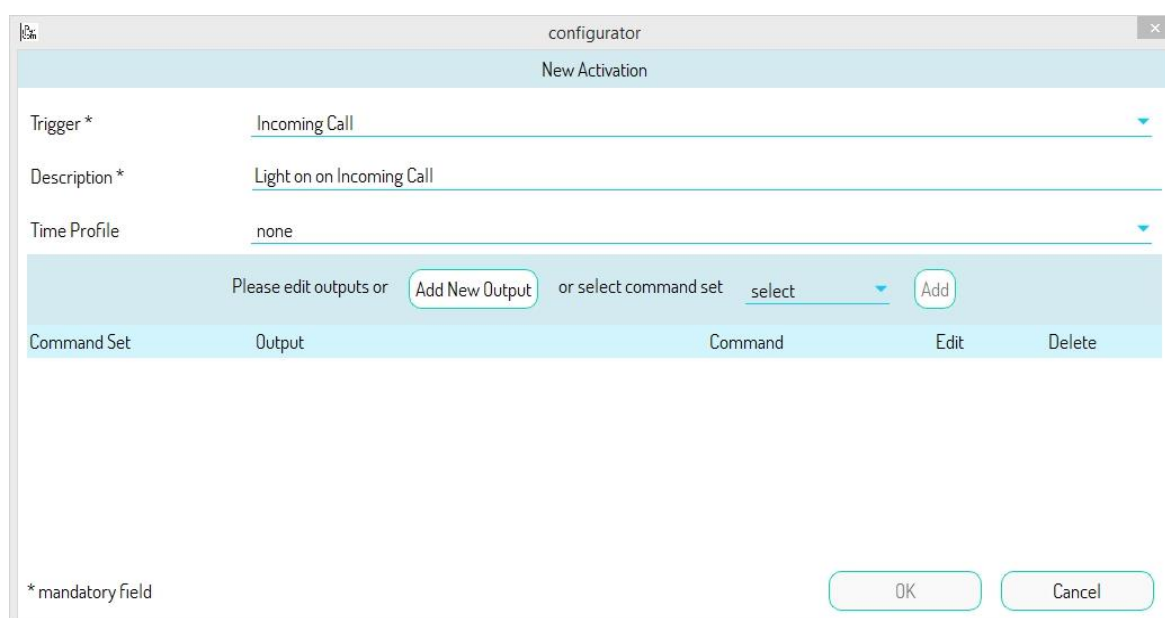
- Trigger \***: A dropdown menu is open, showing a list of events: Door Opening, Gate Opening, Incoming Call, User Activation - MAX, User Activation - Audio Door Phone T1, User Activation - Audio Door Phone T2, Lift Up, Lift Down, and Panic Alarm.
- Description \***: A text input field.
- Time Profile**: A dropdown menu.
- Command Set**: A table with columns: Command Set, Output, Command, Edit, and Delete. The table is currently empty.

At the bottom, there is a legend: \* mandatory field, and two buttons: OK and Cancel.

Figure 368: list of events for MAX video door phones

#### 8.1.5.8.1 Topological events for Relay Actuator

Having selected the incoming call event and given a meaningful name to the activation, the following screen will appear:



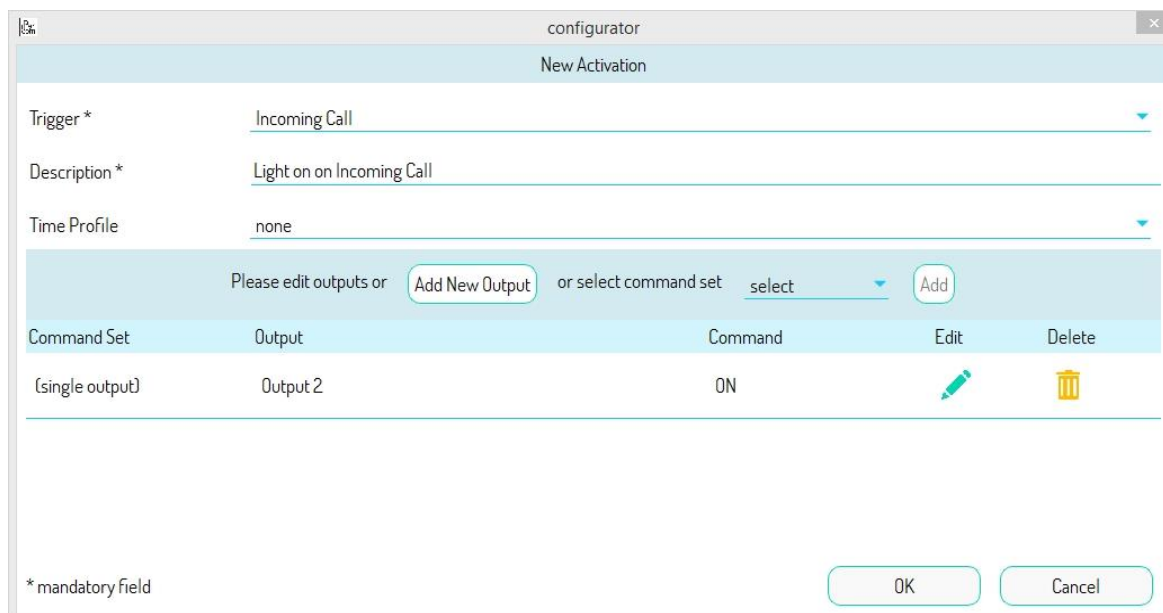
The screenshot shows the 'New Activation' dialog box with the following fields:

- Trigger \***: Incoming Call
- Description \***: Light on on Incoming Call
- Time Profile**: none
- Command Set**: A table with columns: Command Set, Output, Command, Edit, and Delete. The table contains one row: Output, Command, Edit, Delete.

At the bottom, there is a legend: \* mandatory field, and two buttons: OK and Cancel.

Figure 369: description of the activation rule

To add outputs to the activation rule, proceed as described for creating activations for *Entry Panels*. For example, a screen of this type will appear:



configurator

New Activation

Trigger \* Incoming Call

Description \* Light on on Incoming Call

Time Profile none

Please edit outputs or [Add New Output](#) or select command set [select](#) [Add](#)

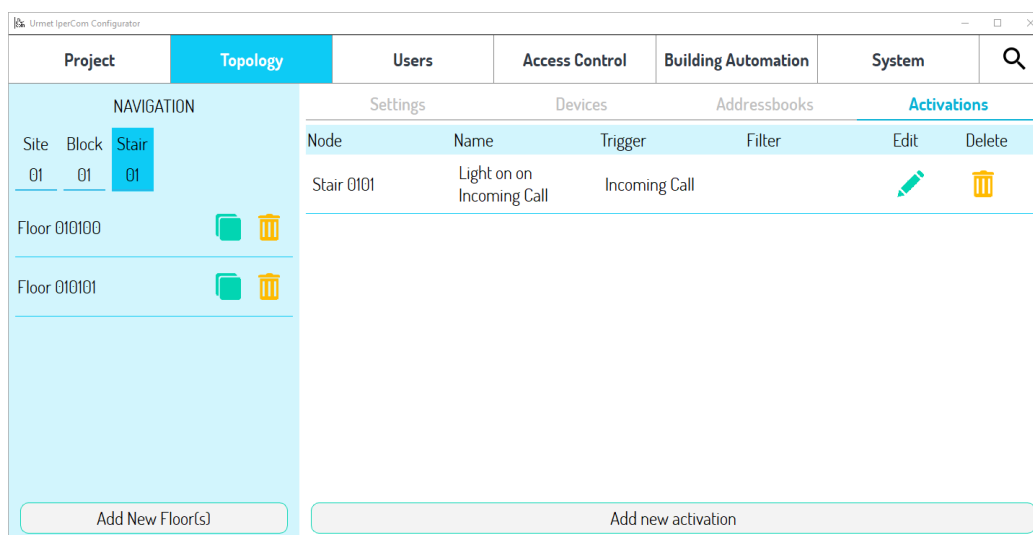
Command Set	Output	Command	Edit	Delete
(single output)	Output 2	ON		

\* mandatory field

OK Cancel

Figure 370: list of outputs associated with the activation rule

Once all the outputs have been added to the activation rule and a possible time profile has been selected, press the "OK" button to create the activation and add it to the activation list of the concerned topological node.

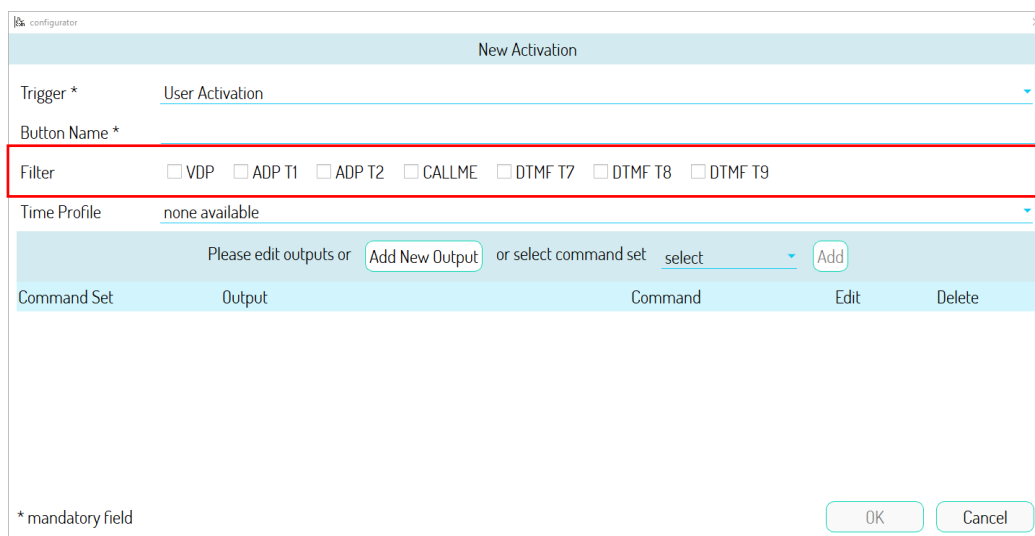


Umet iPerCom Configurator

Project		Topology	Users	Access Control	Building Automation	System	Q
<div> <div> NAVIGATION <div> Site 01 Block 01 Stair 01 </div> <div> Floor 010100   </div> <div> Floor 010101   </div> <div> Add New Floor(s) </div> </div> <div> <div>Settings</div> <div>Devices</div> <div>Addressbooks</div> <div>Activations</div> </div> </div>							
Node	Name	Trigger	Filter	Edit	Delete		
Stair 0101	Light on on Incoming Call	Incoming Call					
<div> Add new activation </div>							

Figure 371: list of activation rules for the "Stair 01" topological node

If instead "*User Activation*" is chosen as the event, the following screen will appear:



The screenshot shows a 'New Activation' window. The 'Trigger' is set to 'User Activation'. The 'Filter' section is highlighted with a red box and contains checkboxes for VDP, ADP T1, ADP T2, CALLME, DTMF T7, DTMF T8, and DTMF T9. The 'Time Profile' is set to 'none available'. Below is a table for 'Command Set' and 'Output' with columns for 'Command', 'Edit', and 'Delete'. There are 'Add New Output' and 'Add' buttons. At the bottom are 'OK' and 'Cancel' buttons.

Figure 372: user activation

In the field "*Button Name*" it is advisable to enter a meaningful name of the activation (for example "*Staircase lights*").

The "*Filter*" field allows you to choose where to add the activation rule as shown below:

- if the "*VDP*" item is selected, the rule is added on video door phones with address book, that is *MAX*, *VOG<sup>7</sup>*, *VOG<sup>5+</sup>*, *Basic* and *iPerCom Client* application;
- if you select the "*ADP T1*" or "*ADP T2*" items, the rule is added on the *VOG<sup>5</sup>* video door phone and *Miro* door phone;
- if the "*CallMe*" item is selected the rule is added to the *CallMe* app;
- if the "*DTMF T7*" or "*DTMF T8*" or "*DTMF T9*" item is selected, the rule is added on the iPerTalk extensions.

For further details regarding the first 3 points above, see the paragraph [Addition of a user activation on video door phones / door phones / CallMe application](#).

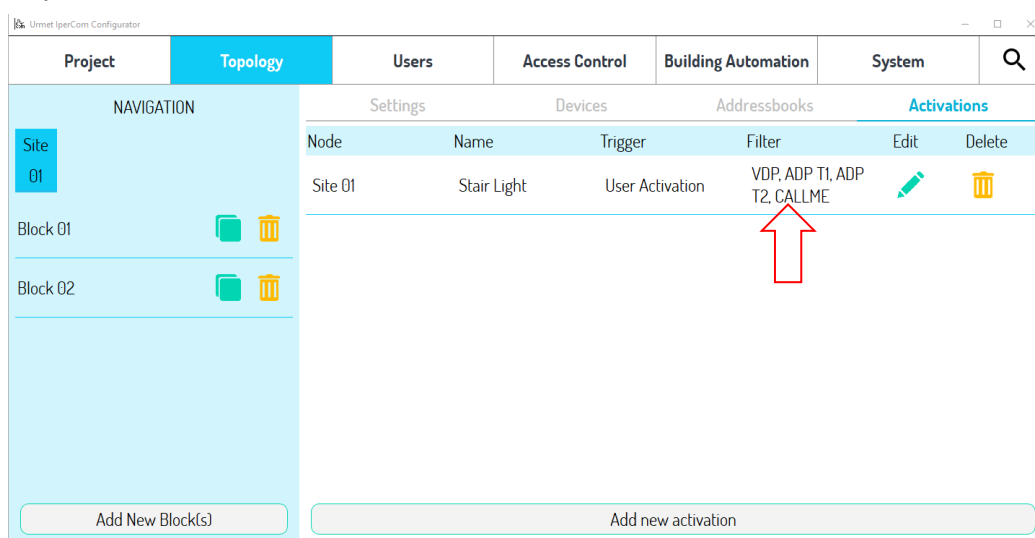
As regards the last point, however, the choice of the items "*DTMF T7*" or "*DTMF T8*" or "*DTMF T9*" allows you to drive the output of a *Relay Actuator* or *Lift Interface* from an iPerTalk extension by pressing respectively button 7 or 8 or 9 only during conversation, that is in more detail in the following scenarios:

- an IPerCom calling station calls an IPerTalk extension and the latter answers the call;
- an iPerTalk extension carries out an auto on with two-way audio towards an IPerCom calling station.



*In the case of IPerCloud apartments with call forwarding also on the GSM or landline telephone network, the selection of the "DTMF T7" or "DTMF T8" or "DTMF T9" items allows you to control the output of a Relay Actuator or a Lift Interface from a smartphone by pressing button 7 or button 8 or button 9 respectively only during a conversation with the calling station. If you answer from the CallMe application, this is obviously not possible.*

Once the activation rule has been created (as seen in the previous paragraphs) the "Filter" column shows the previously selected items:



Project		Topology	Users	Access Control	Building Automation	System	
NAVIGATION			Settings	Devices	Addressbooks	Activations	
Site 01			Node	Name	Trigger	Filter	Edit Delete
Block 01			Site 01	Stair Light	User Activation	VDP, ADP T1, ADP T2, CALLME	
Block 02							
Add New Block(s)		Add new activation					

Figure 373: User activation created with all filters selected

If the activation rules have been created for the "Stair 01" node, these will be propagated to all the apartments included in the topological group of the " Stair 01" node.

By selecting an apartment in the navigation module, in correspondence of the “Activations” tab we will see the activation applied by the stair node, as shown in the following figure:

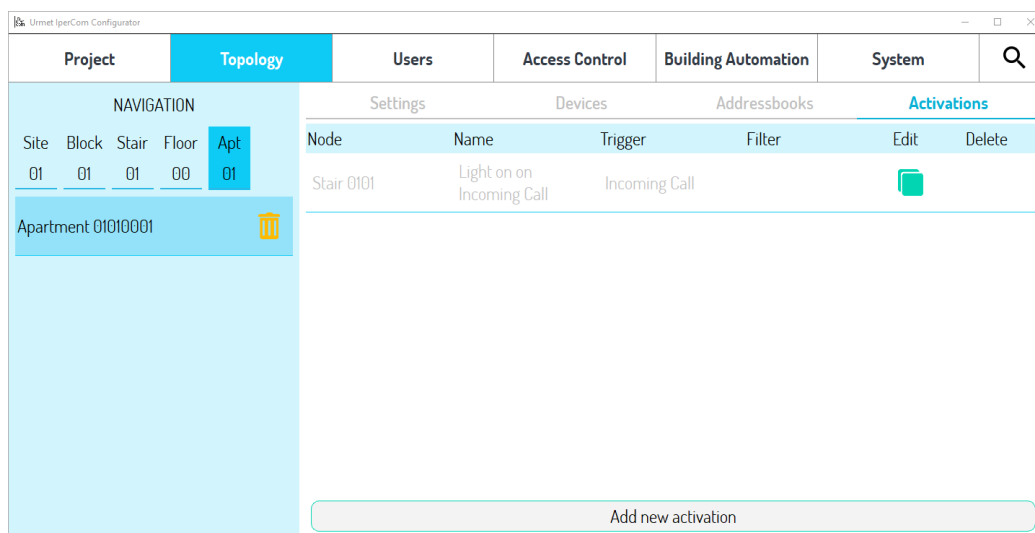



Figure 374: activation "inherited" from the apartment

The activation is greyed out to show that it was created on the stair node, not on the apartment node. Therefore, it can only be modified by going to on the stair node and not to the current topological node.

If you want to replace the activation on the apartment with a custom one, just press the replacement  button and change the data.

Assuming you want to change the *Relay Actuator* output from "Output 2" to "Output 1" in the previous created activation, a screen like this will appear (the activation rule is no longer greyed out):

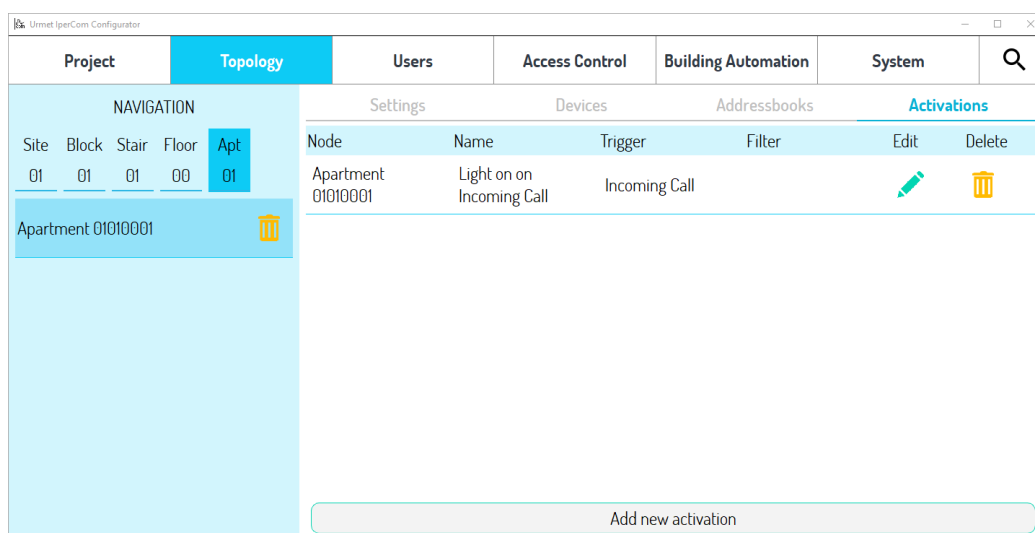


Figure 375: replacement of the activation on the apartment with a personalised one

#### 8.1.5.8.1.1 Addition of a user activation on video door phones / door phones / CallMe application

When creating a user activation rule, it is possible to choose which type of apartment station/application to add via the "*Filter*" field. The possibilities are summarized below:

- addition of the activation rule on video door phones with address book, that is *MAX*, *VOG<sup>7</sup>*, *VOG<sup>5+</sup>*, *Basic*, and *IPerCom Client* application (corresponds to the "*VDP*" item in the "*Filter*" section);
- addition of the activation rule on the *VOG<sup>5</sup>* video door phones and *Miro* door phone (corresponds to the "*ADP T1*" or "*ADP T2*" entries in the "*Filter*" section);
- addition of the activation rule on the *CallMe* application (corresponds to the "*CallMe*" item in the "*Filter*" section).

Below is an explanation of what the user must do to make the activation work (for example to turn on the staircase lights) based on the choices made above.

### ADD USER ACTIVATION ON VIDEO DOOR PHONES WITH ADDRESS BOOK ("VDP" ITEM)

In the "Video door phone" screen of the MAX, VOG<sup>7</sup>, VOG<sup>5+</sup>, Basic video door phones and IPerCom Client application of these apartments, a new "ACTIVATION LIST" button will appear with a yellow light bulb icon:

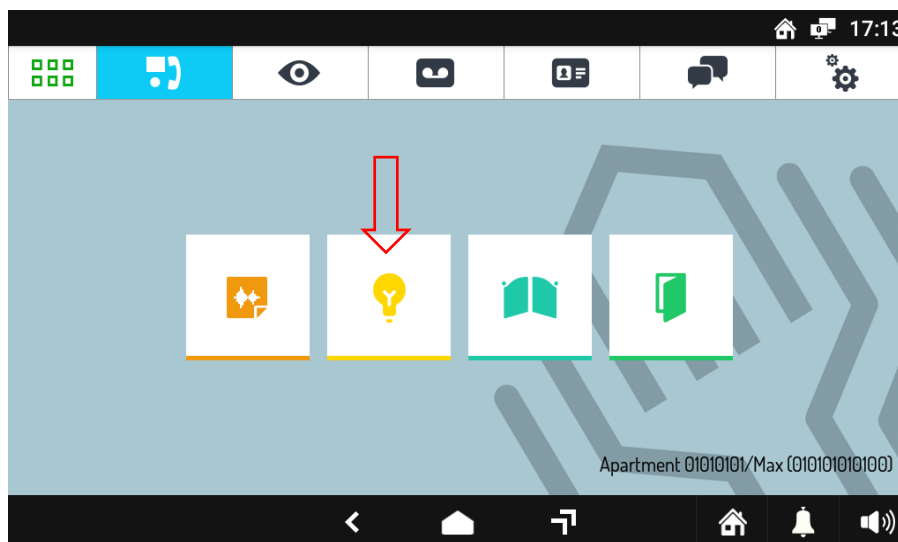


Figure 376: "ACTIVATION LIST" button

By pressing this button, the list of available activations will appear, which will, for example, show the "Stair Light" item assigned during configuration:

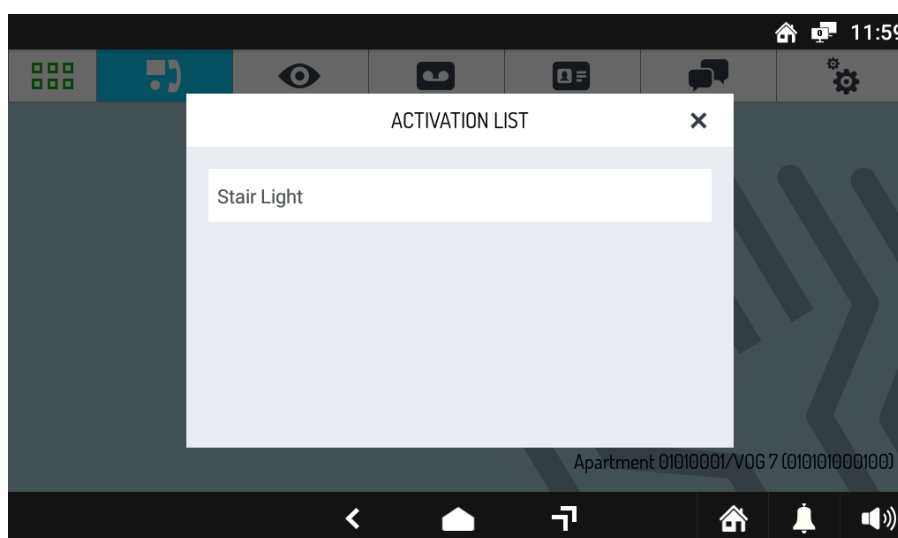


Figure 377: list of the user activation "Buttons"

By pressing on the "Staircase Light" item, the output of the *Relay Actuator* chosen during the configuration phase will be piloted, which will turn on the stair lights.

## ADD USER ACTIVATION ON VIDEO DOOR PHONE VOG<sup>5</sup> AND MIRO DOOR PHONE ("ADP T1" AND "ADP T2" ITEMS)

Miro 1160/3 door phone and the VOG<sup>5</sup> 1761/6 video door phones have two buttons associated with the items "ADP T1" and "ADP T2". The buttons are shown in the following two figures:



Figure 378: T1 and T2 buttons of Miro door phone



Figure 379: T1 and T2 buttons of VOG5 1761/6

The button marked with a dot/gate corresponds to the "ADP T1" item while the other marked with two dots/light bulb corresponds to the "ADP T2" item. Therefore, depending on the button pressed, the output of the *Relay Actuator* chosen during the configuration phase will be driven, which will turn on the staircase lights.

If the "Button T1 used for" option is set to the value "Gate Open" in the settings screen of the generic Miro door phone or 1761/6 video door phone, the activation rule described above will be inhibited (see [Configuration parameters of IPerCom devices](#)).

## ADD USER ACTIVATION ON CALLME APP

The “*Staircase Lights*” button appears on the Home Page of the *CallMe* application (previously associated with the apartment):

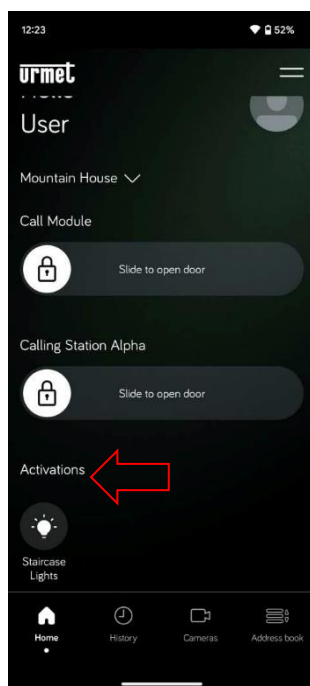


Figure 380: activation list

By pressing the “*Staircase Lights*” icon, the output of the *Relay Actuator* chosen during the configuration phase will be piloted, which will turn on the staircase lights.

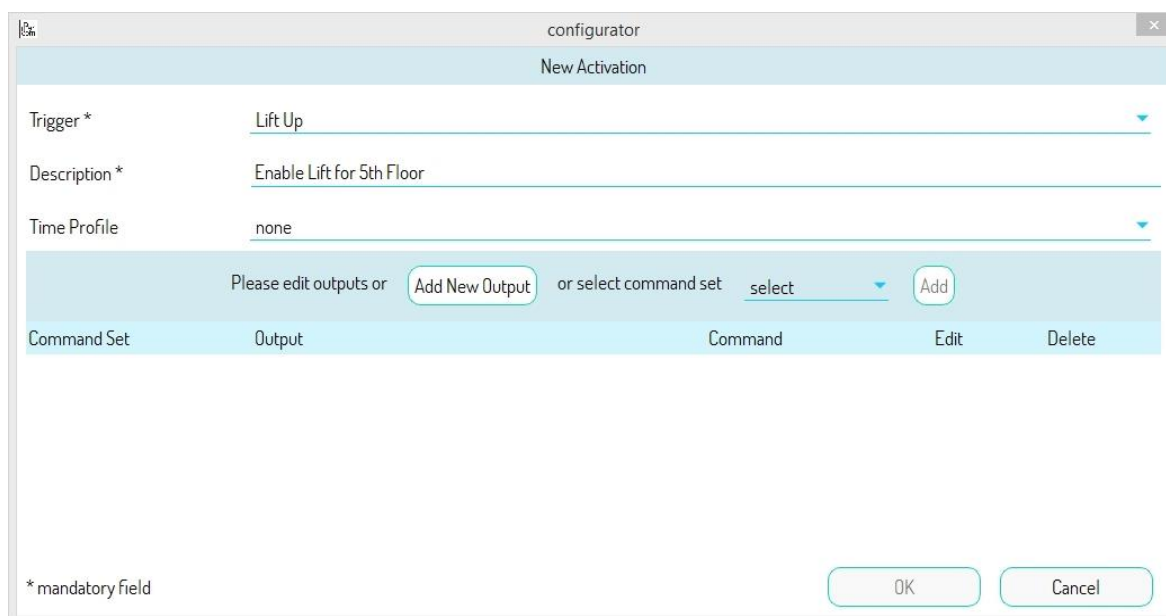
#### 8.1.5.8.2 Topological events Lift Up and Lift Down

Regarding the selection of the “*Lift Up*” and “*Lift Down*” events, these options are only visible if you go in correspondence of stairs, floors, or apartments, as they are only associated with the use of the lifts.

In a system where there is a *Lift Interface* or a *Relay Actuator*, it is possible to create activation rules (maximum 2) that, for example, allow each resident to enable, through the *MAX*, *VOG<sup>7</sup>*, *VOG<sup>5+</sup>*, *VOG<sup>5</sup>* or *Basic* video door phone or *Miro* door phone or *IPerCom Client application*, the lift to reach either their own residence floor or the parking of the residential complex.

Position through the navigation module on a floor, on the “*Activations*” tab, press the *Add new activation* button.

In the “*Event*” field select “*Lift Up*”. It is recommended to enter a meaningful name in the “*Description*” field (e.g., “*Lift enabling for floor 5*”).



configurator

New Activation

Trigger \*

Description \*

Time Profile

Please edit outputs or  or select command set

Command Set	Output	Command	Edit	Delete
Output				

\* mandatory field

Figure 381: screen for creating an activation with “*Lift Up*” event

Press the “*Add New Output*” button to configure the *Lift Interface* or *Relay Actuator* relays.

Position through the navigation module on the “*Stair*” where the device to be configured is located.

In the “*Devices*” area select the *Lift Interface* or *Relay Actuator*.

Select the *Lift Interface* in the “*Control*” area to display the relays to be configured. For more details on the configuration of Lift Interface relays see paragraph [Control Relay Assignment](#).

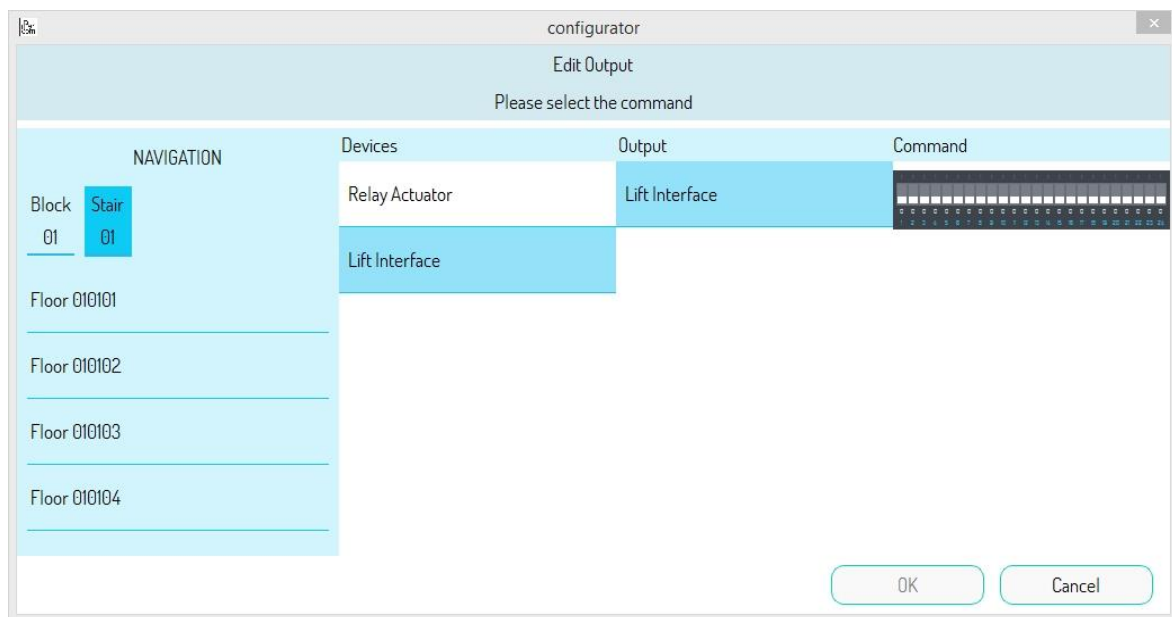


Figure 382: activation screen of Lift Interface relays

Select the relay(s) to be enabled and set the relay activation time in the "Duration" field.

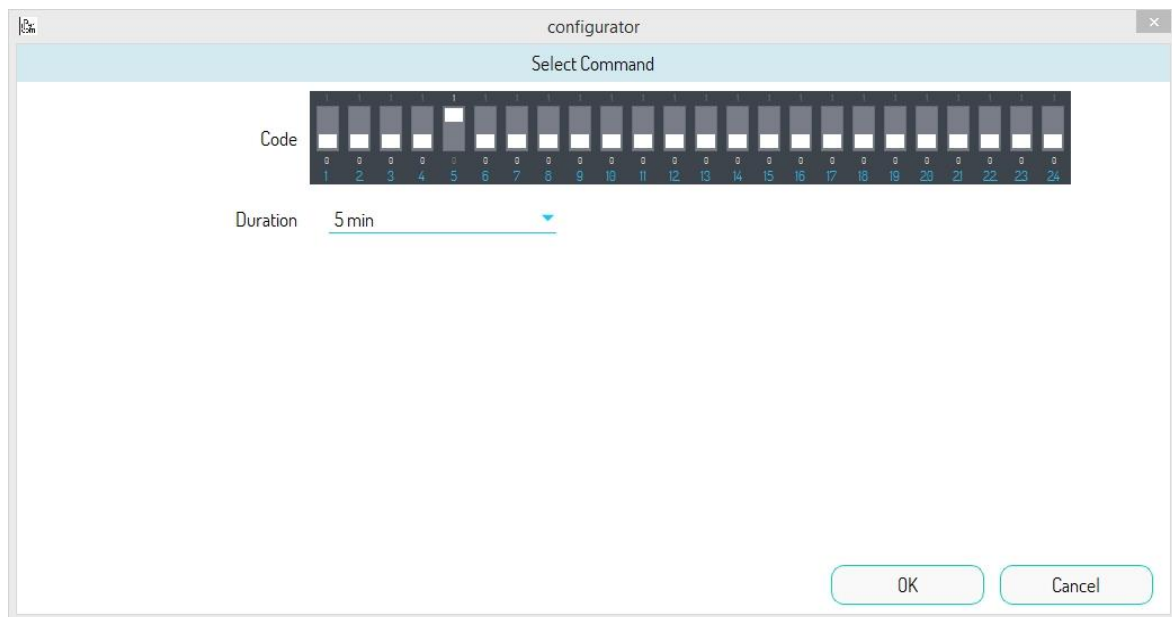


Figure 383: enabling the Lift Interface relays

Select the *Relay Actuator* in the "Output" area to display the outputs to be configured. The outputs must be set in monostable mode and the relay activation duration must be enabled in the device configuration page (see [Configuration parameters of IPerCom devices](#)).

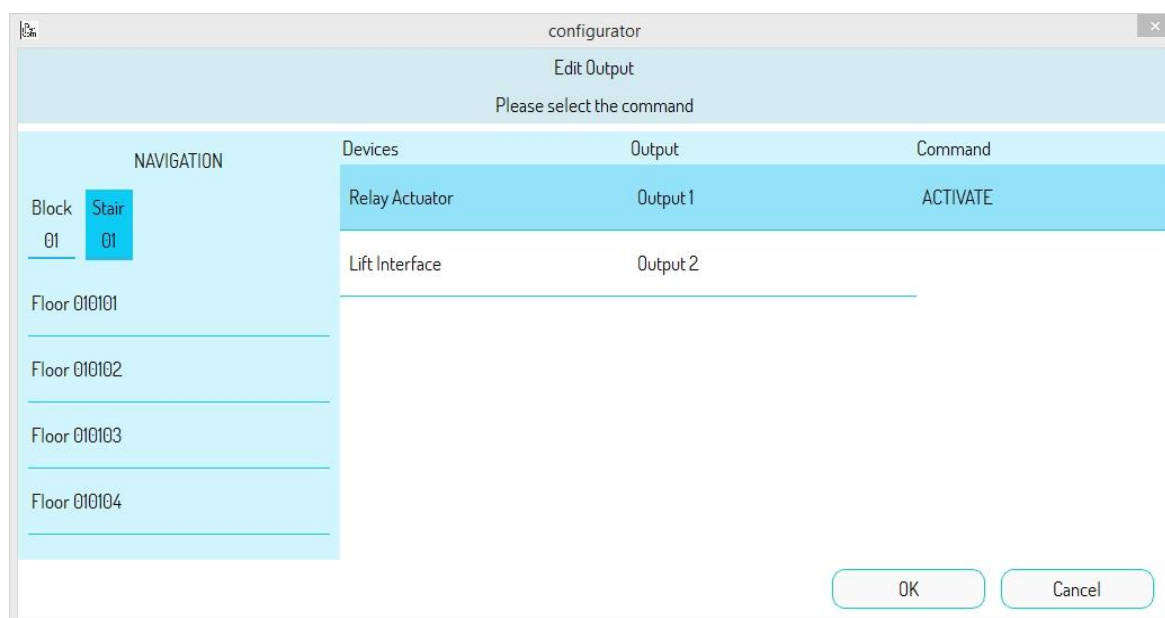


Figure 384: activation screen of the Relay Actuator

In the "Video Door Phone System" screen of the MAX, VOG<sup>7</sup> or Basic video door phones or IPerCom Client application belonging to the topological group of the "Stair 01" node, a new "LIFT" icon will appear (highlighted in red).

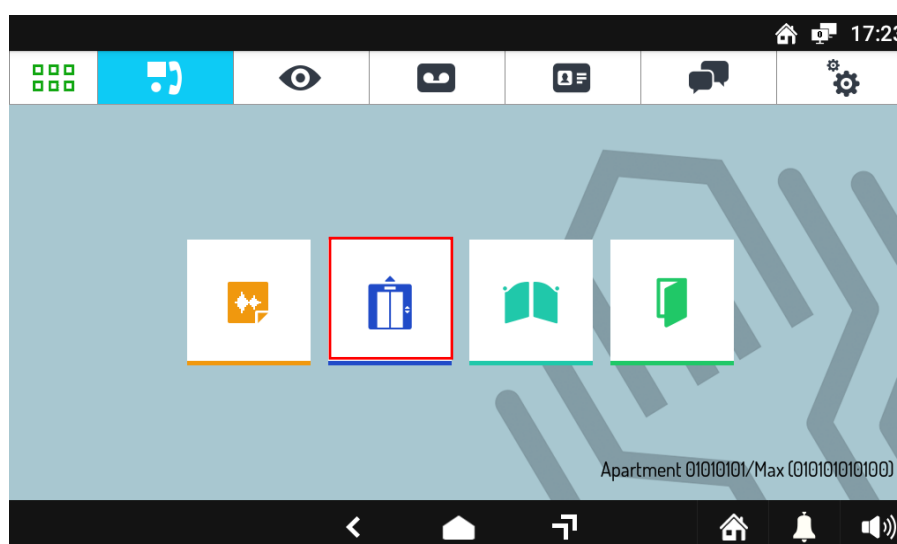


Figure 385: "LIFT" button

Press the *Lift Interface* or *Relay Actuator* icon to activate the configured relays by sending the "Up" or "Down" command to the lift, for the set time.

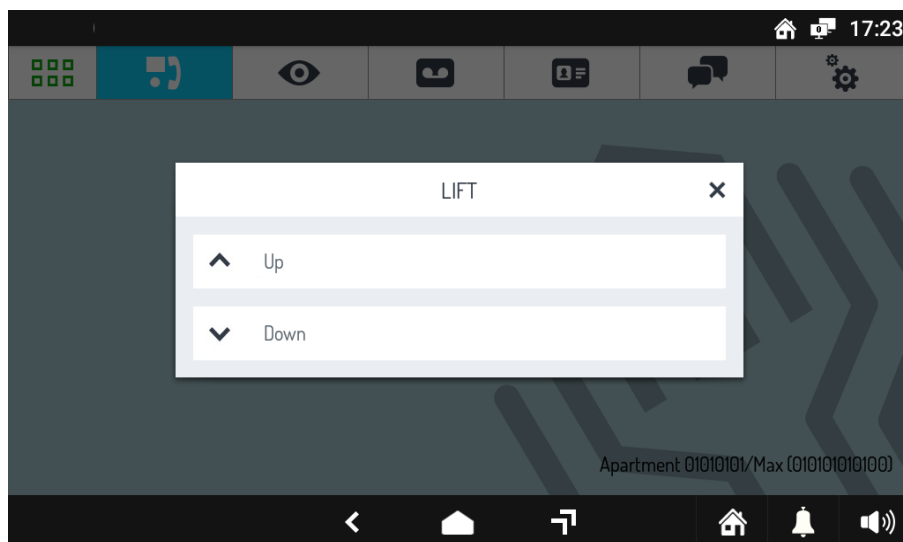


Figure 386: Lift "Up" and "Down" commands



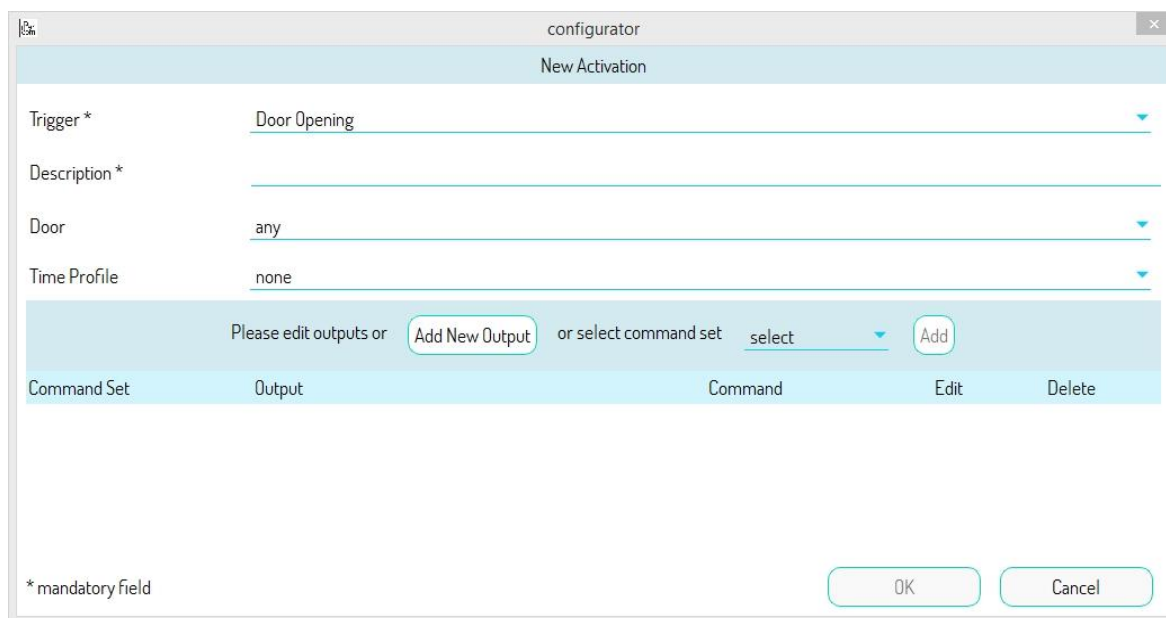
To obtain the same functions on the VOG5 video door phone and on the Miro door phone, the relative keys T1 and T2 must be set to the "Lift Down" and "Lift Up" events (see [Configuration parameters of IPerCom devices](#)).



This feature is not available via the CallMe app on smartphones/tablets.

### 8.1.5.8.3 Events Open Door and Open Gate

The "Open Door" and "Open Gate" events can refer to any door or gate in the system. If you choose one of these two events, the "any" (default) events will appear, as shown in the image below:



configurator

New Activation

Trigger \* Door Opening

Description \*

Door any

Time Profile none

Please edit outputs or Add New Output or select command set select Add

Command Set	Output	Command	Edit	Delete

\* mandatory field

OK Cancel

Figure 387: Open door/gate activation

In this case, about calling station access points, the activation of one or more relay outputs also takes place outside the call step itself, by simply pressing the door and gate opening keys of apartment stations

Alternatively, you can choose a precise entrance (door or gate) using a special drop-down menu.

In this second case the relay outputs are piloted only after the actual opening of the selected access point.

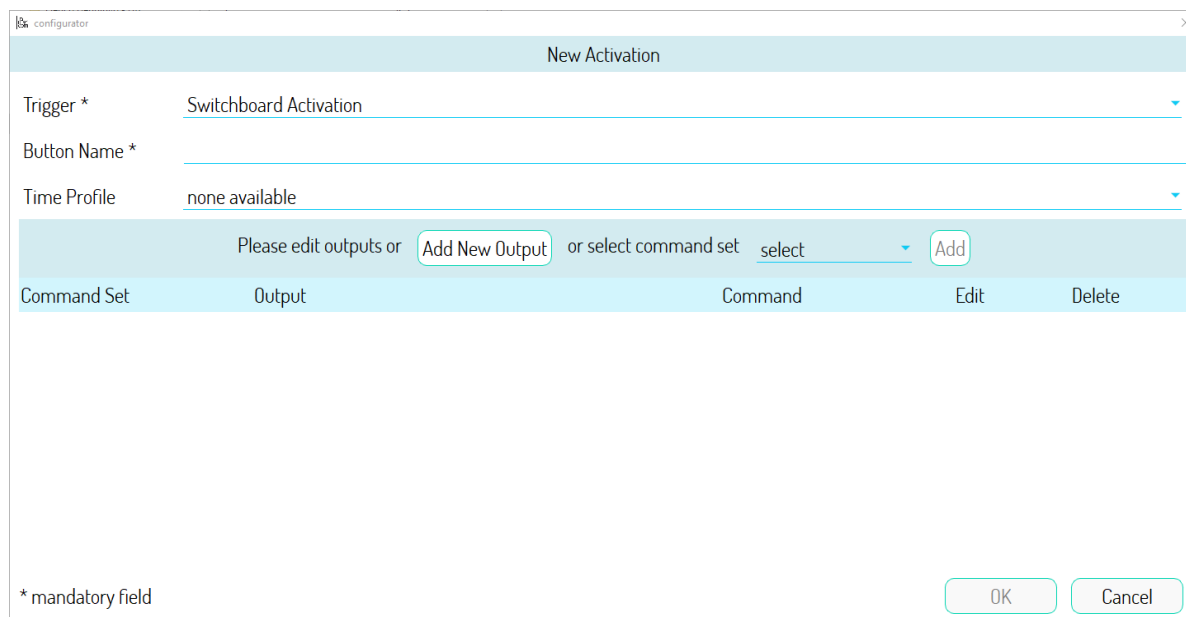


*If the door of a Key Reader is chosen for the Door Opening event, the selected outputs are controlled only if the Key Reader is on the topological path of the concerned apartment and not when an enabled key is passed.*

#### 8.1.5.8.4 Switchboard Activations

Switchboard activations are activation rules that appear only on the *Switchboard* application, if created on its topological path. For example, if placed on the unit node, the activations that will be shown on the **Switchboard** application are those created from the unit (where the **Switchboard** application is present), block or site node.

So once the correct topological node has been chosen, after pressing the "Add new activation" button, the "Event" drop-down menu will allow you to choose the "Switchboard Activation" item, as shown below:



configurator

New Activation

Trigger \* Switchboard Activation

Button Name \*

Time Profile none available

Please edit outputs or Add New Output or select command set select Add

Command Set	Output	Command	Edit	Delete
-------------	--------	---------	------	--------

\* mandatory field

OK Cancel

Figure 388: creation of activation from the switchboard

Also in this case, give a meaningful name to the activation ("*Button Name*" field), select one or more outputs through the "*Add a New Output*" button and eventually a time profile, as seen in the previous paragraphs. When pressing the "OK" button, the activation is created and added to the list of activations of the topological node chosen before:

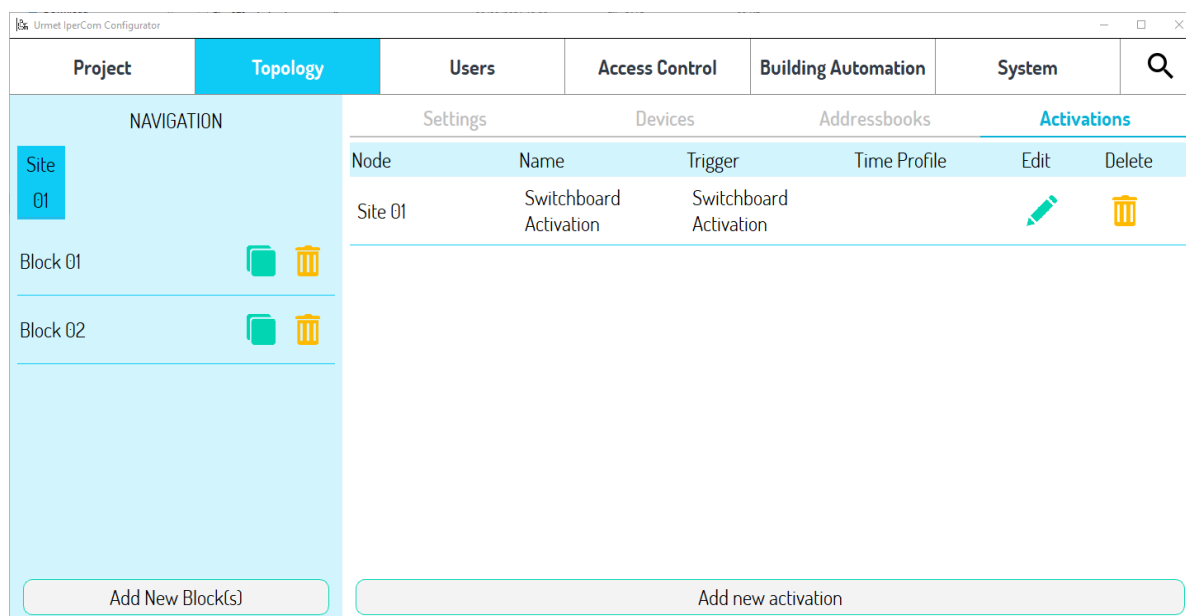


Figure 389: activation from switchboard created on the configurator

The newly created activation rule will appear on the *Switchboard* application as below:

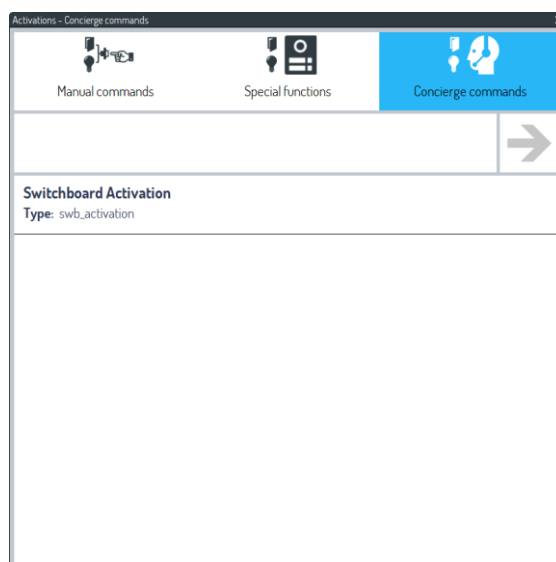


Figure 390: activation from switchboard on related application

For further details see the Switchboard application manual downloadable from [www.urmet.com](http://www.urmet.com)

#### 8.1.5.8.5 Activations for topological events with 2Voice audio/video apartment stations

Activations for topological events also apply to topological stair nodes with *2Voice Gateway* with the following differences:

1. The *User Activations - MAX*, *Lift Down* and *Lift Up* events are not present on the nodes below a stair node with *2Voice Gateway*:

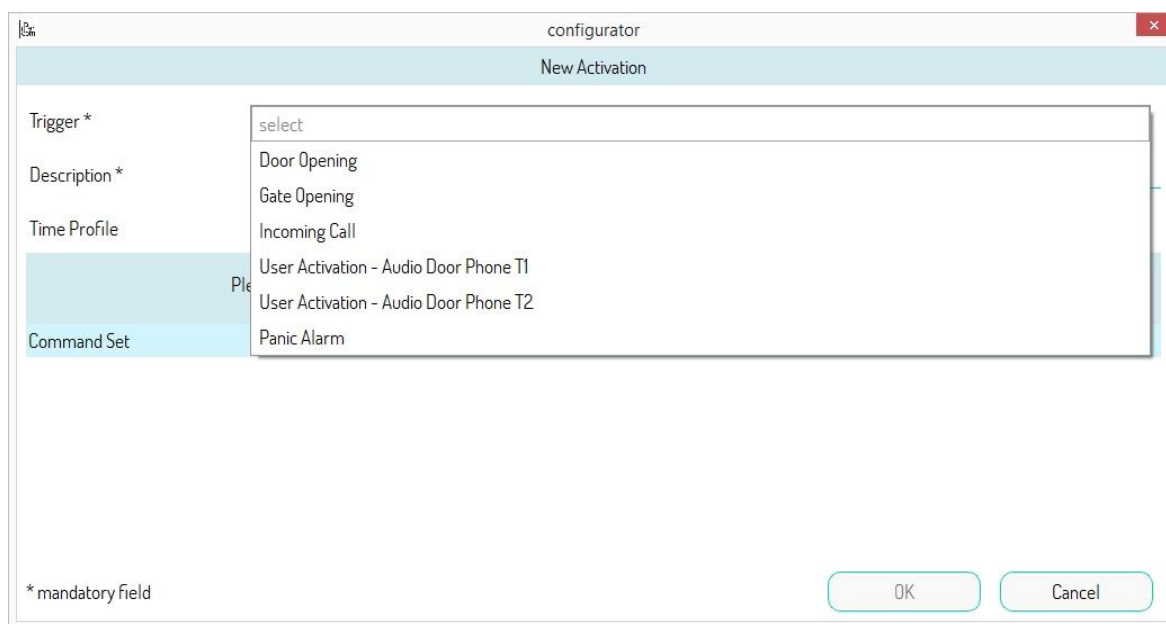


Figure 391: list of events for audio/video Door Phone 2Voice

The events in question are instead present on each stair node with *2Voice Gateway*, because on these nodes it is possible to add other IPerCom devices (e.g., one or more *MAX*, *VOG<sup>7</sup>* or *Basic video door phones* where it could be necessary to create activations related to these events):

2. *User Activation - Door Phone T1* and *User Activation - Door Phone T2* events do not refer to buttons T1 and T2 of the Door Phone 1160/3 or 1761/6 video door phone and correspond to the pressing of two specific buttons of the 2Voice audio/video Door Phone that activate *special function 7* (T1) and *special function 8* (T2) (under certain conditions) instead. Only these two special functions are correctly interpreted by the gateway and sent to the *Relay Actuator 1060/84*. Refer to the individual instruction manuals of 2Voice Door Phones for more details on the buttons which activate these special functions and under which conditions these buttons must be pressed.

The activation rule, if set on apartment level, will only apply to the individual apartment. This allows you to have different activation rules on individual apartments located on the same gateway.

If set on site or block level, the activation rule is inherited by the 2Voice apartments and by apartments with IPerCom Door Phones. It is always light grey (to highlight that it was not created in the apartment node):

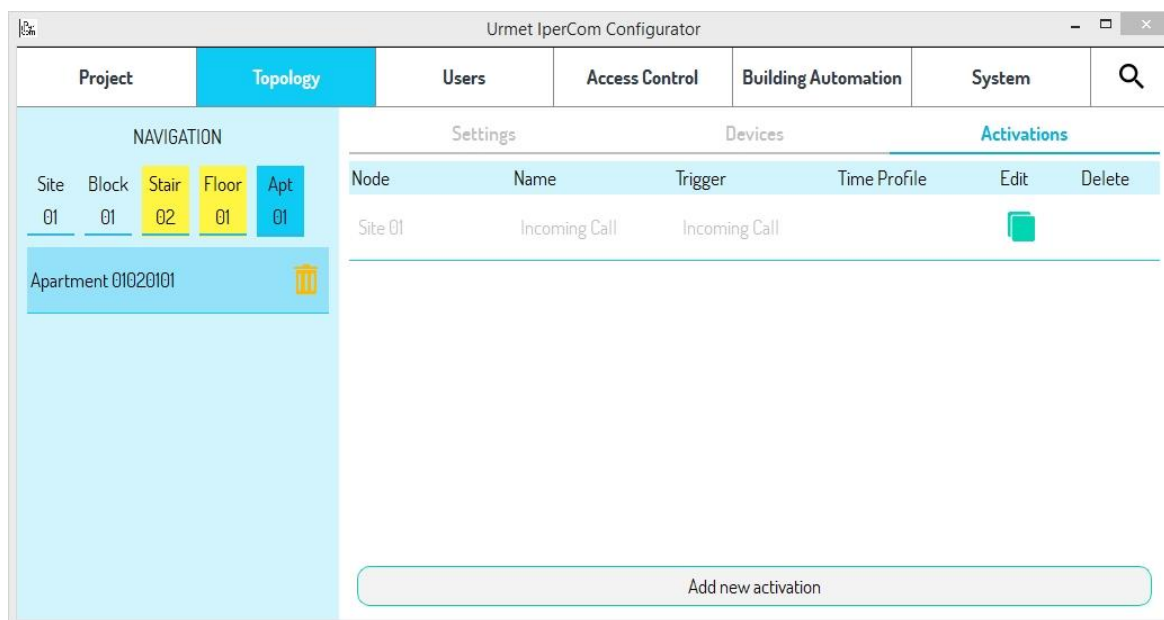







Figure 392: activation "inherited" from 2Voice apartment

If you want to replace the activation on the 2Voice apartment with a custom one, just press the replacement button  and change the data.

If set on scale or floor level, the activation rule will be propagated only to 2Voice apartments of the topological group of the respective node. Again, in this case, the activation rule appears greyed out on the apartment and the button  can be used to modify the data.

 The Incoming Call event regards both the calls arriving from the IPerCom call stations and those arriving from the 2Voice call stations.

 The association of the 2Voice apartment level events to one or more relay outputs can also be done using the special 2Voice 1083/80 decoding. For further details follow the instructions in the 2VOICE technical manual and in the instruction manual of the special decoder Ref. 1083/80.

 The "User Activation - Max" event, if activated on a site or block node, is not propagated on the 2Voice apartments.

#### 8.1.5.9 Automation events: input/output association

Each relay actuator is provided with two inputs (controlled by buttons or switches) to:

- control the respective outputs locally;
- control one or more outputs of different relay actuators by means of events (of the inputs).

In the first case, staircase light control is a typical example in which it may be useful to have a local output control. According to the previous paragraphs, the "*Door Opening*" topological event, which activates an output on the relay actuator, can be used to turn on the staircase lights, for example. Similarly, using a button located in the entrance hall and connected to the input of the same actuator, it is possible to switch the staircase lights on locally in the same way.

For the second case, instead, the outputs (**one or more of several relay actuators**) are controlled by events associated with the **single** input of a relay actuator, which can be configured in bistable mode (switch) or monostable mode (button). In the latter case it is also necessary to define the button press time. If it is assumed that in case of switch the press time is zero, the possible events are shown in the table below.

Mode	Event 1	Event 2
Bistable ( $t=0$ )	ON	OFF
Monostable ( $t>0$ )	Short press	Long press

Table 14: automation rules to be implemented

The operating mode of the input can be set in the *Relay Actuator* input configuration page (see [Configuration parameters of IPerCom devices](#)).

Again, on the *Relay Actuator* configuration page you can deselect the "*Output linked to input*" option, which selected by default. In this way, the output is controlled only by the rules which will be defined on the *Automation* page and will be locally disconnected from the input.

The inputs can be set as normally closed or normally open (default choice) to meet different installation needs.

To program the inputs and outputs of the Relay Actuator, follow the instructions on the device configuration page (see [Configuration parameters of IPerCom devices](#)).

The correct approach to create automation rules (input/output association) is to firstly identify the combinations of commands to be imparted by the system (relay output activation), then to create a rule for each combination of commands with the respective event. The following example shows the procedure.

#### 8.1.5.9.1 Input-output activation on two different relay actuators

In this example, we will assume there are two combinations of commands to be imparted on the system:

- switch on light 1 for a predefined time;
- switch on light 1 and light 2 for the predefined time.

Two automation rules are required.

Switching on a generic light for a predefined time means having a relay output programmed as monostable.

Let's assume that want to create the two rules using two different events (long and short press) of the same input of a "Relay Actuator A". The two outputs are on a "Relay Actuator B". The situation is shown in the following table:

Rule	Inputs (Relay Actuator A)	Event	Outputs (Relay Actuator B)	Outputs (Relay Actuator B)
Rule 1	Input 1	Short press	Output 1 - Active	-----
Rule 2	Input 1	Long press	Output 1 - Active	Output 2 - Active

Table 15: automation rules to be implemented



*Input programming is only possible on Relay Actuators **with firmware version 3.04 or higher supported from IPerCom version 1.3 or higher.***

From the table above you can see how the same button with two different events can be used to execute two combinations of different commands, i.e. switch on one light (short press event) or switch on two lights (long press event).



*Before building the activation rules, it is advisable to give meaningful names to the inputs and outputs of the individual Relay Actuators and to set their times correctly, so that the inputs and outputs are easily identifiable during the rule building phase. Go to the device configuration page to do this (see [Configuration parameters of IPerCom devices](#)).*

Having followed the instructions in the note, the input/output association can be set on the *Automation* tab under "*Activation Rules*", as shown in the following figure:

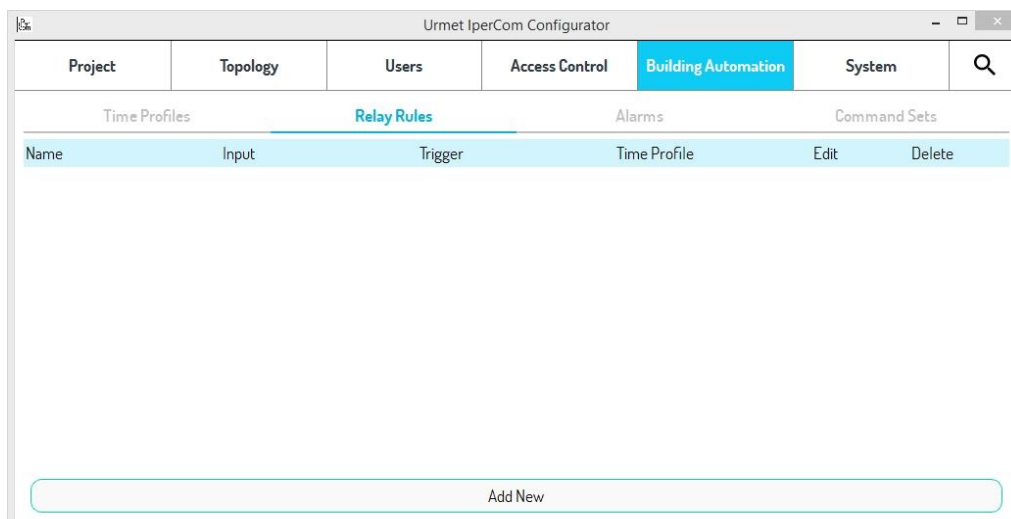


Figure 393: "Automation" page, "Activation Rules" tab

Press "Add New" to open the following page:

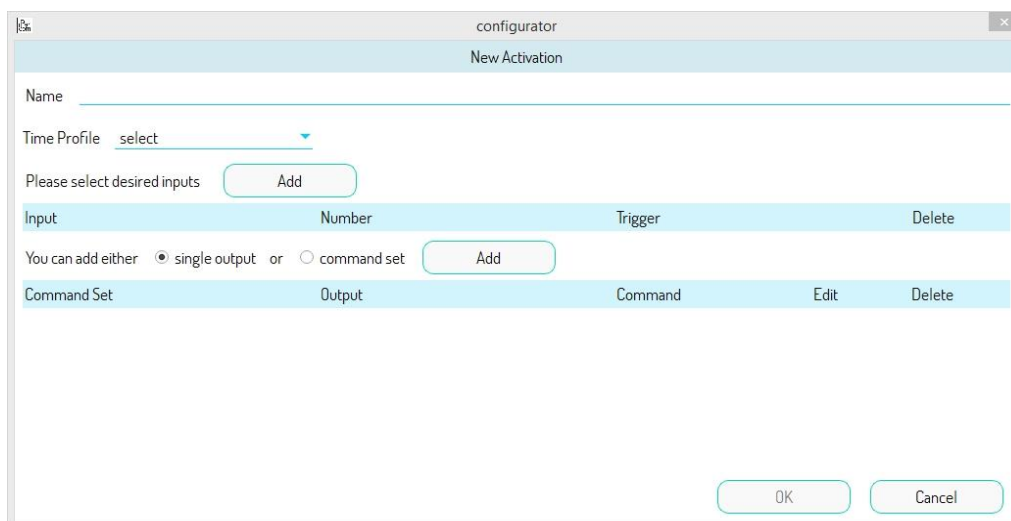


Figure 394: creating a new activation

On this page, you can:

- give a meaningful name to the new activation in the "*Name*" field;
- associate a time profile (previously created) with the activation using the "*Time Profile*" drop-down menu (the association is not mandatory) to restrict its validity in time;
- select the relay actuator inputs and outputs by pressing the respective "*Add*" buttons.

The input selection "Add" button opens the following screen:

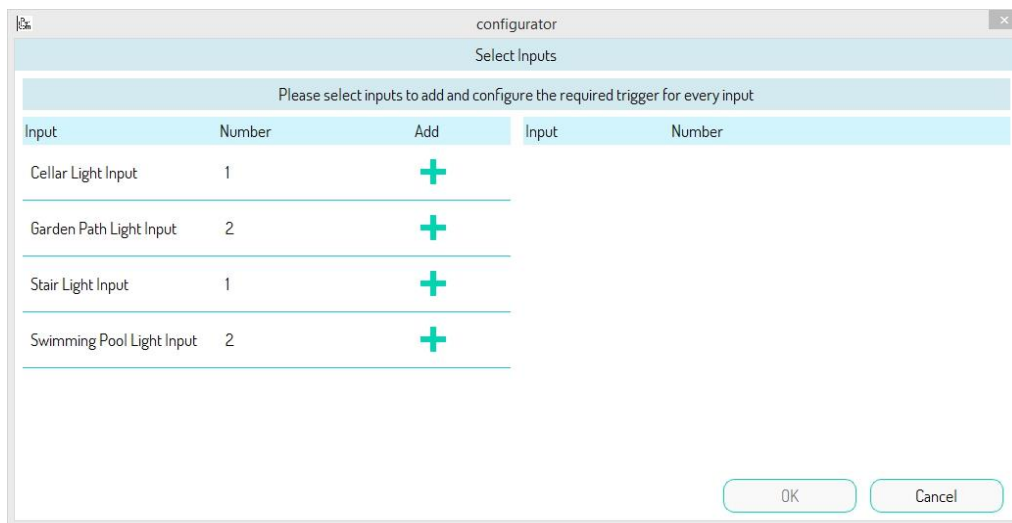



Figure 395: list of available inputs

If the default names of the inputs were still used for each *Relay Actuator* (i.e. *Input 1* and *Input 2*, instead of the previously assigned meaningful names), it would have been difficult to identify the input with which to associate the rule you want to build.

Assuming you want to build a rule on how to turn on the garden path lights and that you have set the desired time at the concerned input (greater than zero) in the configuration phase, pressing the respective button  will move the input to the right side of the screen:

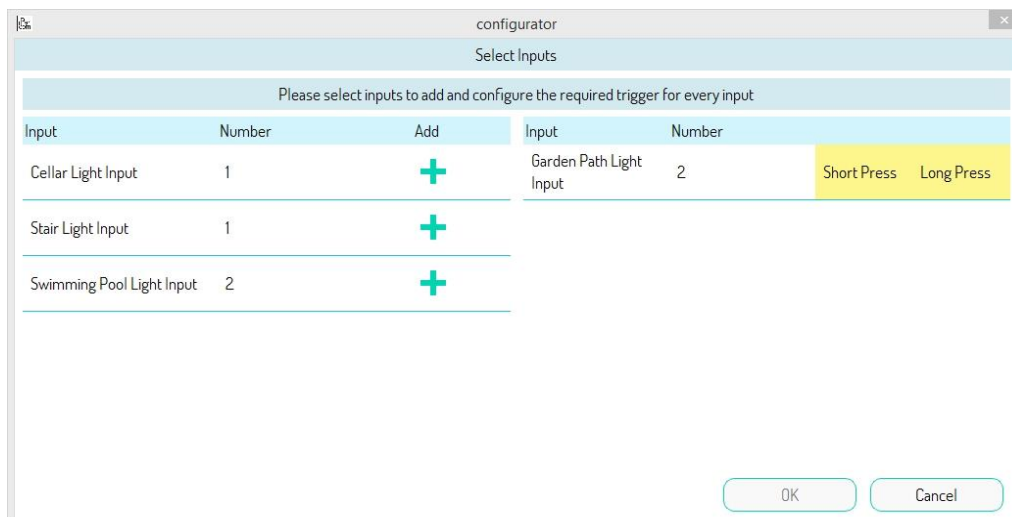


Figure 396: events that can be selected with press time other than zero

For example, if you choose the "Short press" event, it will be highlighted with a different colour from the previous one:

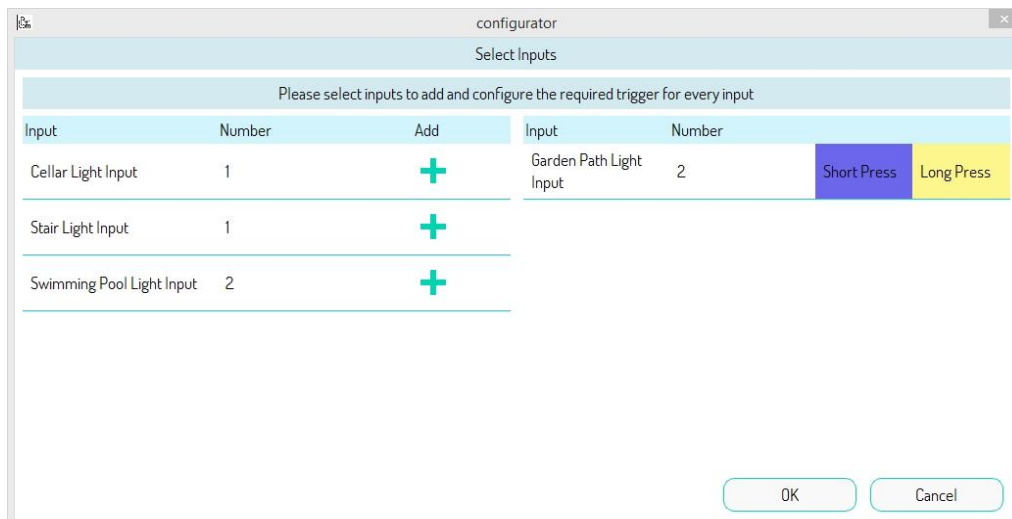


Figure 397: "Short Press" event selected



If the input in question were set as bistable, the events displayed would be "ON" and "OFF".



The input you are associating with the rule passes to the right of the screen, while those not yet associated remain on the left. In this way, you can associate the inputs of all the relay actuators of the system with the same rule on a single screen.

Press "OK" button to see a summary of the choices made for the input:

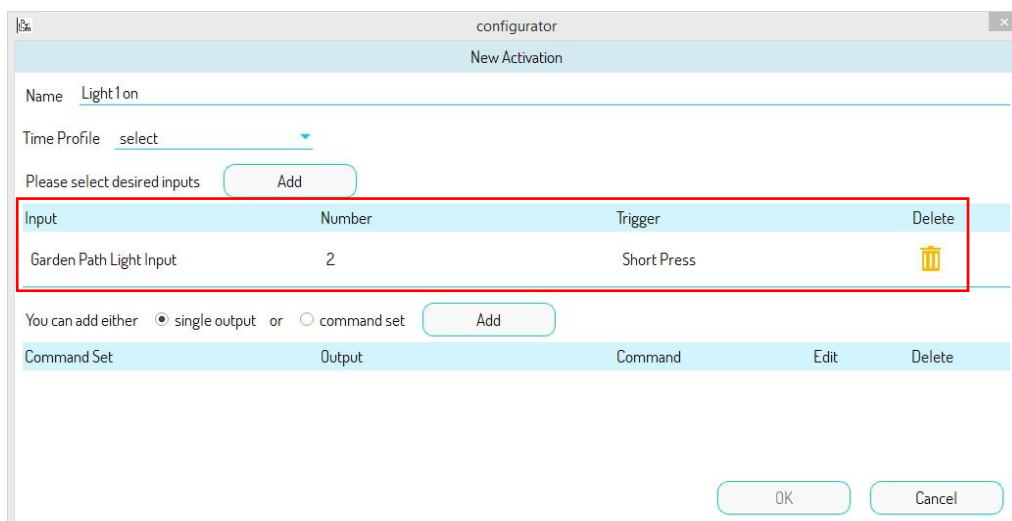
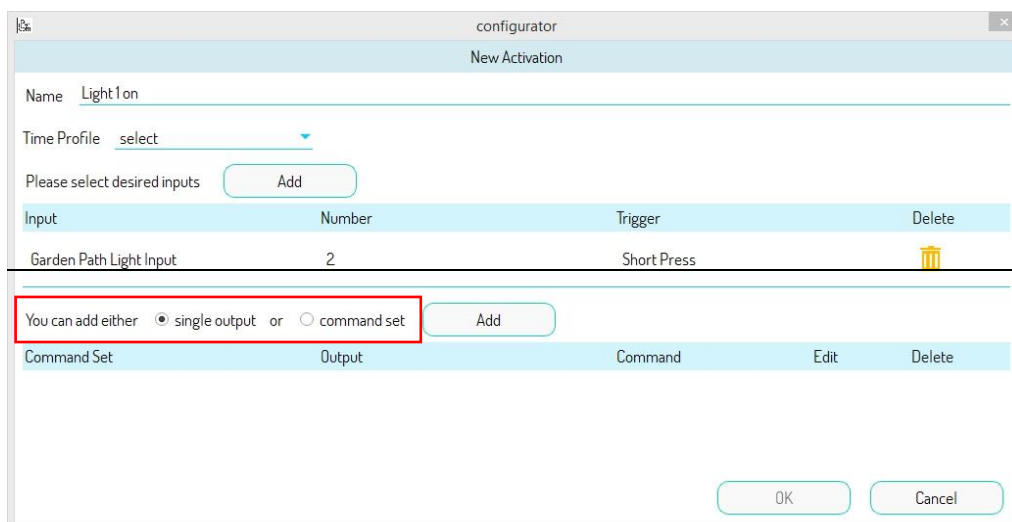



Figure 398: Selected input and event

The "Delete" button allows you to delete the rule on the newly created input (by means of a confirmation pop-up).

At this point, as shown in the table, you must choose the output to be controlled. If with the "Short press" event you want to control only one "Garden Path light 1" output of the second relay actuator, you must select the "single output" item:



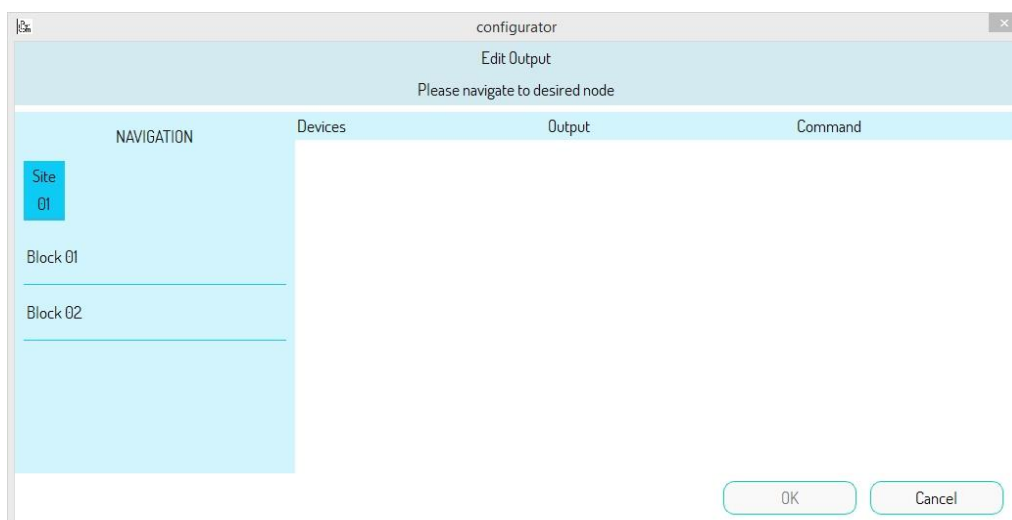
Input	Number	Trigger	Delete
Garden Path Light Input	2	Short Press	

You can add either ☒ single output or ☐ command set

OK Cancel

Figure 399: selection of a single output

Press the "Add" button for the outputs. The following page will appear:



NAVIGATION	Devices	Output	Command
Site 01			
Block 01			
Block 02			

OK Cancel

Figure 400: topological structure for relay actuator search

Go to the topological node of the *Relay Actuator 2*, select the concerned device, then choose the output and set the respective command:

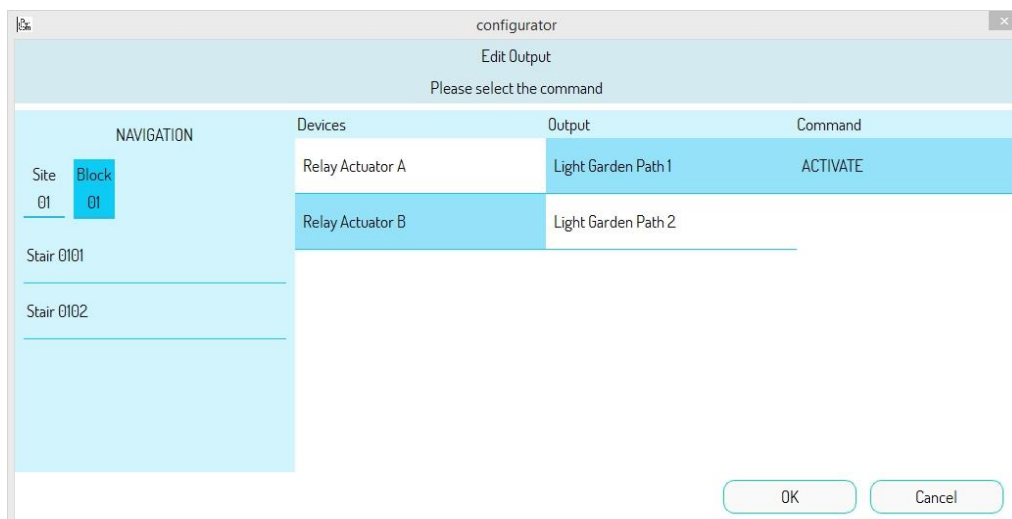


Figure 401: topological structure navigation for relay actuator search, output selection and respective command

Press the "OK" button to open the following screen with a summary of the choice made regarding the output:

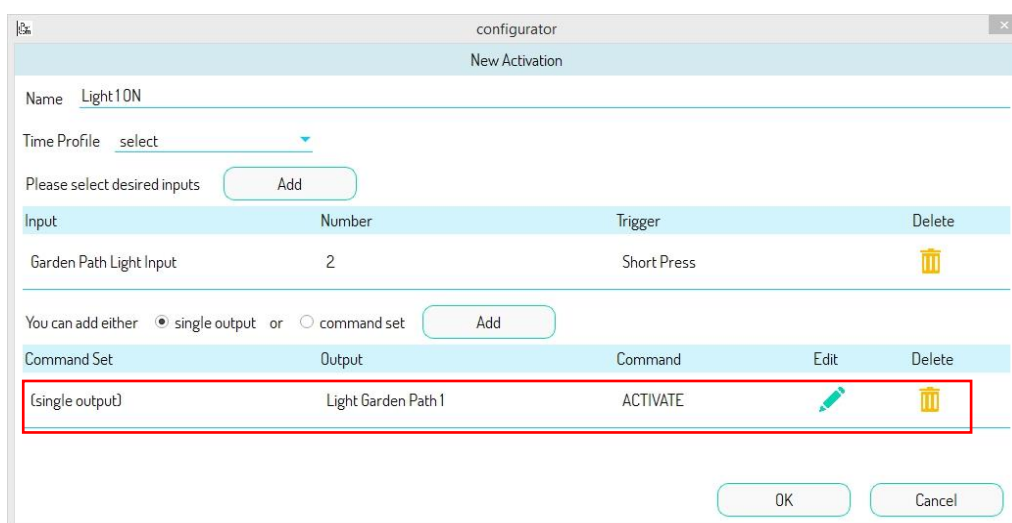


Figure 402: selected output and respective command

The buttons in the "Edit" and "Delete" columns can be used to modify or delete the output and the respective command (via confirmation pop-up), respectively.

Press the OK button again to go back to the main screen where the name of the activation, the input and the relative event are shown:

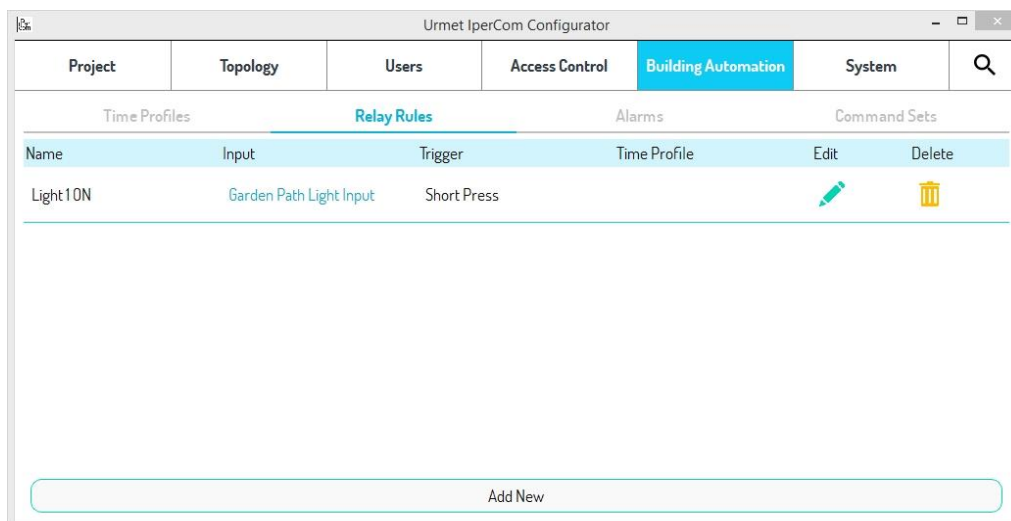


Figure 403: activation created

The buttons in the "Edit" and "Delete" columns can be used to modify or delete the newly created rule (via confirmation pop-ups), respectively.



*It is advisable to give a meaningful name to the created rules so that they can be quickly identified, since no reference to the controlled output(s) appears in the summary. The reference can be retrieved in all cases by pressing the "Edit" button.*

A second rule must be constructed to implement the second command combination (Garden Path Light 1 and Garden Path Light 2).

Using the same input of the first *Relay Actuator*, the one named as "*Garden Path Light Switch Input*", it is possible to switch on both the first and the second light (outputs linked to the second *Relay Actuator*). So it is possible taking advantage of the second event linked to the programming of the input, that is the "*Long press*" event, as shown in the figure:

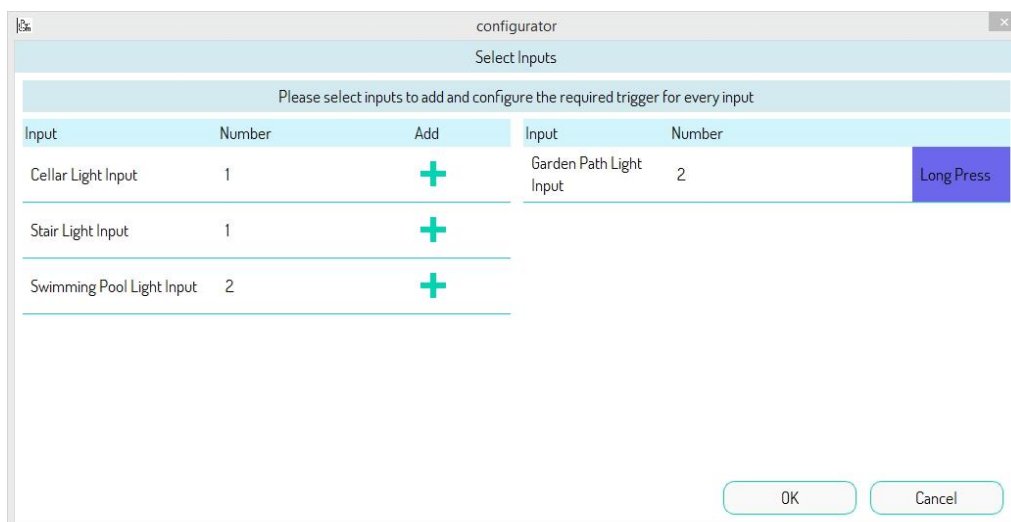


Figure 404: second selectable event in monostable mode

The procedure is like what we saw before with the only difference that in the selection of the outputs both outputs of the *Relay Actuator 2* in "*ACTIVATED*" mode are added, as shown in the figure:

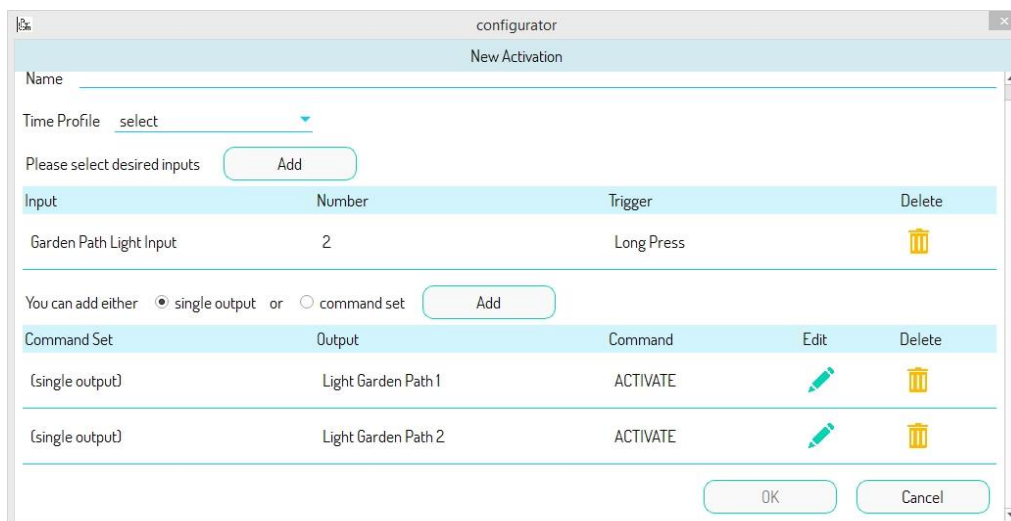
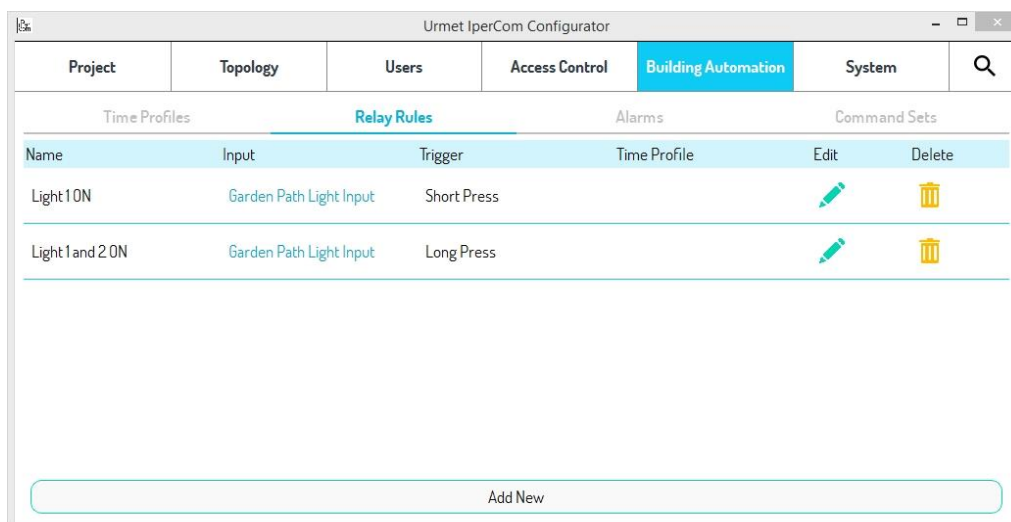




Figure 405: input associated with 2 outputs with long press command

After having given a meaningful name to the newly created rule and having pressed "OK", you have the situation shown in the figure, where the name of the activation, the input and the respective event will appear:



Urmet IperCom Configurator					
Project	Topology	Users	Access Control	Building Automation	System
Time Profiles		Relay Rules	Alarms	Command Sets	
Name	Input	Trigger	Time Profile	Edit	Delete
Light 1 ON	Garden Path Light Input	Short Press			
Light 1 and 2 ON	Garden Path Light Input	Long Press			

Add New

Figure 406: summary of created activations

The buttons in the "Edit" and "Delete" columns can be used to modify or delete the newly created rule (via confirmation pop-ups), respectively.



Once an output has been added to the rule, it is no longer re-submitted by navigating the topological structure of the system to add more outputs.

The example shown above is just one example of how to build an activation. For example, you could also use the two buttons on *Relay Actuator 1* to activate the two outputs of the second *Relay Actuator* with events other than short and long presses.

### 8.1.5.9.2 Creating a scenario

In this example, we will suppose that the combination of commands to be imparted on the system consists in switching on four lights and switching off two lights using three different events:

- Automation event (e.g., short press on input)
- Topological event (e.g., activation by user on *MAX video door phone*)
- Event on device (e.g., *Call Module* auto-on).

In this case, it is convenient to group the commands, i.e. to create a scenario.

A scenario lets you add a combination of commands through a single item to avoid the need to add multiple commands in three different points of the configurator one at a time.

If you then need to change the combination of commands (adding lights or changing output commands), simply do this on the scenario and not on the individual activations.

The following table summarises this regarding the automation event (three *Relay Actuators* are needed to have one input and six outputs):

Rule	Inputs ( <i>Relay Actuator A</i> )	Event	Outputs ( <i>Relay Actuator</i> )
Rule 1	Input 1	Short press	Light 1 - ON - <i>Relay Actuator A</i>
			Light 2 - ON - <i>Relay Actuator A</i>
			Light 3 - ON - <i>Relay Actuator B</i>
			Light 4 - ON - <i>Relay Actuator B</i>
			Light 5 - OFF - <i>Relay Actuator C</i>
			Light 6 - OFF - <i>Relay Actuator C</i>

Table 16: Command groups

To create the scenario, go to the "Automation" page, "Scenarios" tab:

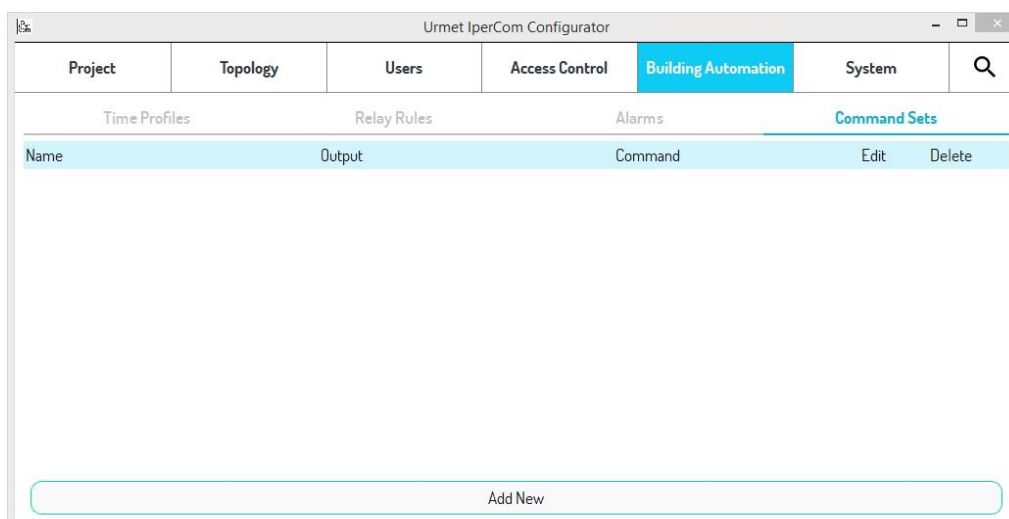


Figure 407: "Scenarios" tab for creating a group of outputs

To build the group of commands press the "*Add New Output*" button. The following page will appear:

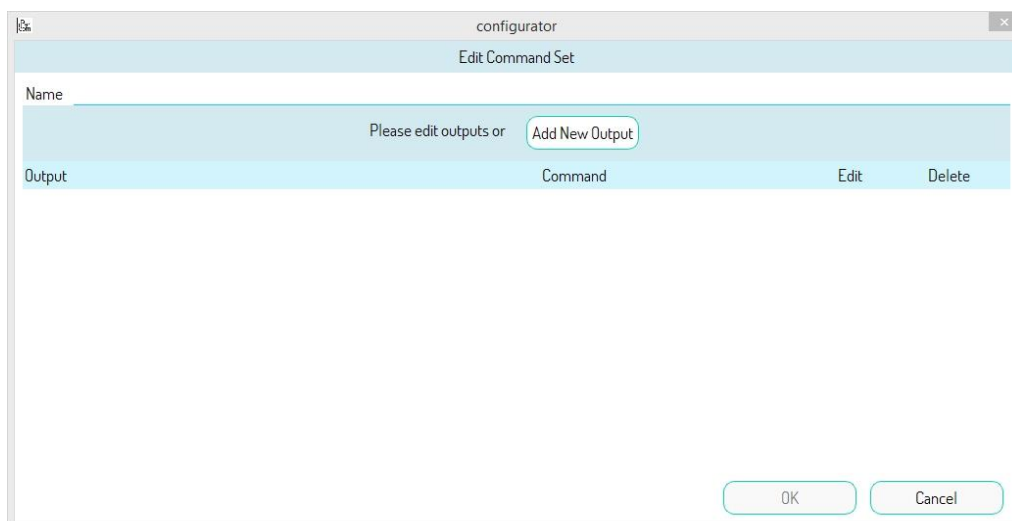
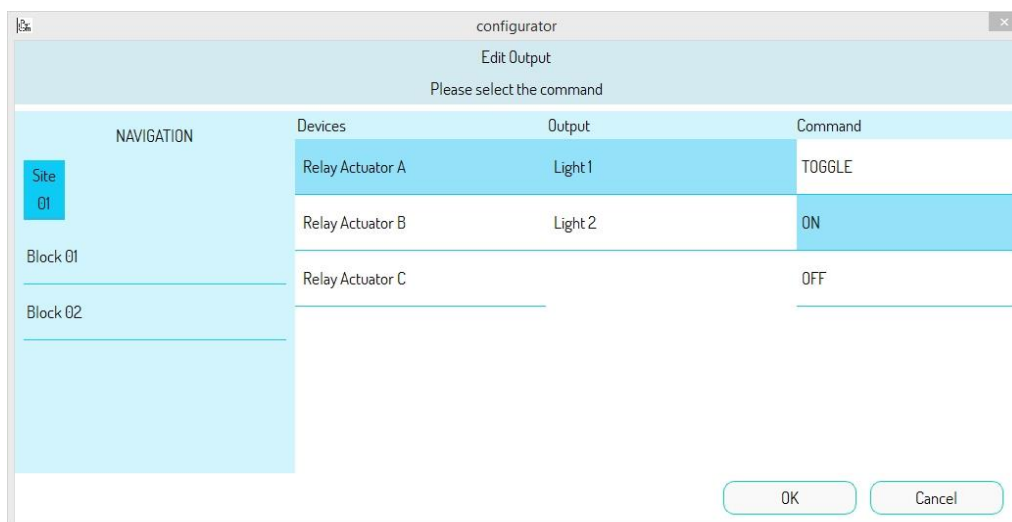


Figure 408: creation of a group of commands

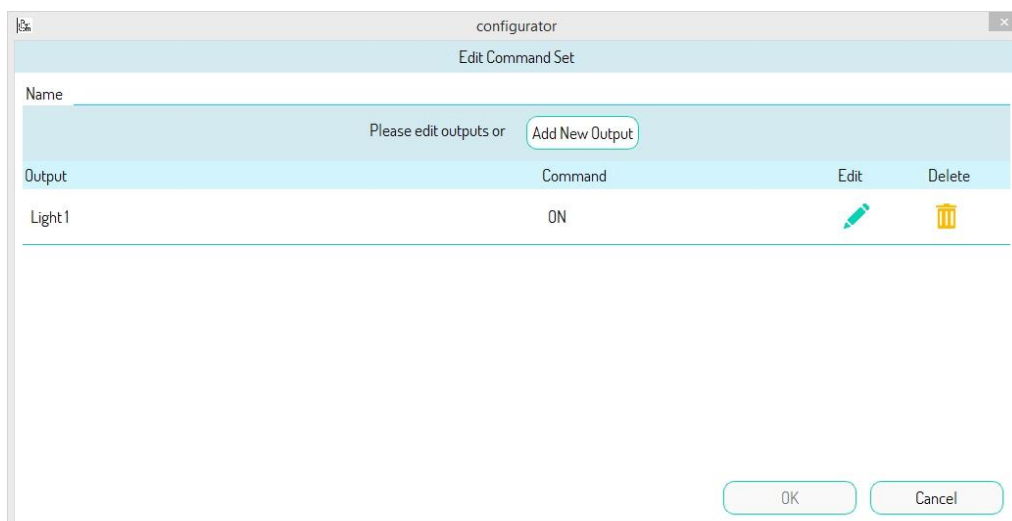
First, you need to give a meaningful name to the group of commands, then add the outputs you want them to be part of the group. To do this, press the "*Add a New Output*" button. A screen will open. Go to the topological node of the *Relay Actuator*, select the concerned device, then choose the output and set the respective command:



Devices	Output	Command
Relay Actuator A	Light 1	TOGGLE
Relay Actuator B	Light 2	ON
Relay Actuator C		OFF

Figure 409: first output selection with scenario command

Press the "OK" button to add the first output to the group you are about to create:



Output	Command	Edit	Delete
Light 1	ON		

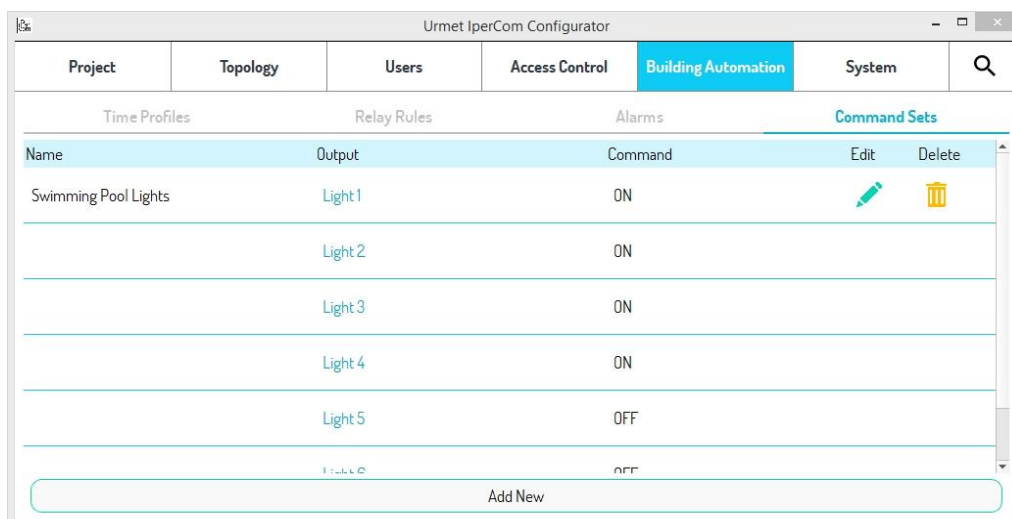
Figure 410: adding the first output to the scenario

The buttons in the "Edit" and "Delete" columns can be used to modify or delete the output and the respective command (via confirmation pop-up), respectively.



Once an output has been added to the scenario, it is no longer re-submitted by navigating the topological structure of the system to add more outputs to the scenario.

After adding the other five outputs with their command and having given a meaningful name to the scenario, press "OK" to open the following screen:



Name	Output	Command	Edit	Delete
Swimming Pool Lights	Light 1	ON		
	Light 2	ON		
	Light 3	ON		
	Light 4	ON		
	Light 5	OFF		

Figure 411: scenario creation

The buttons in the "Edit" and "Delete" columns can be used to modify or delete the newly created scenario (via confirmation pop-ups), respectively.

At this point, if you want the input named as "*Pool Lights On Input*" to control the newly created group of outputs on a short press event (for example), go to the "*Activation Rules*" tab and follow the instructions in the previous paragraph with the only difference of selecting the "*command set*" when selecting the output:

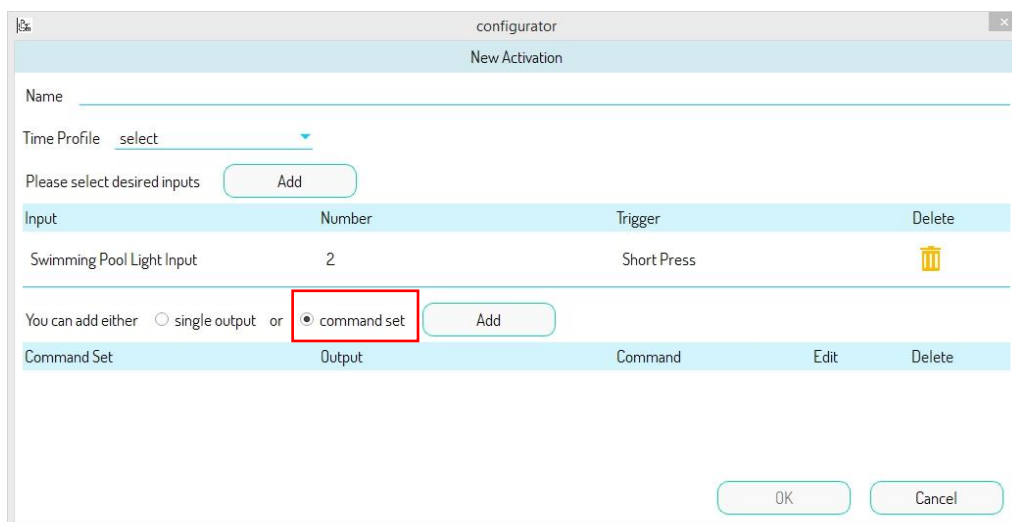


Figure 412: adding a group of commands

Then, press the "*Add*" button to add the newly created group (by selecting it):

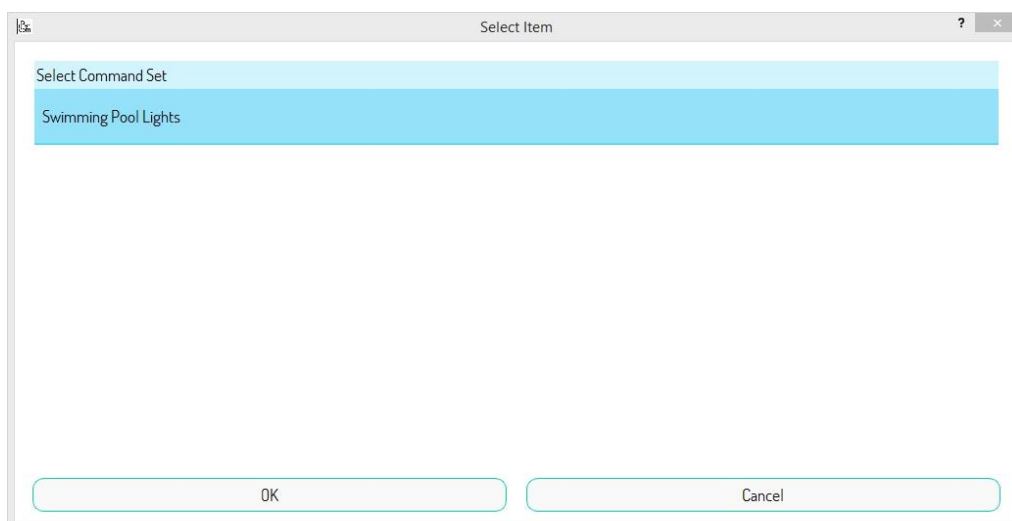
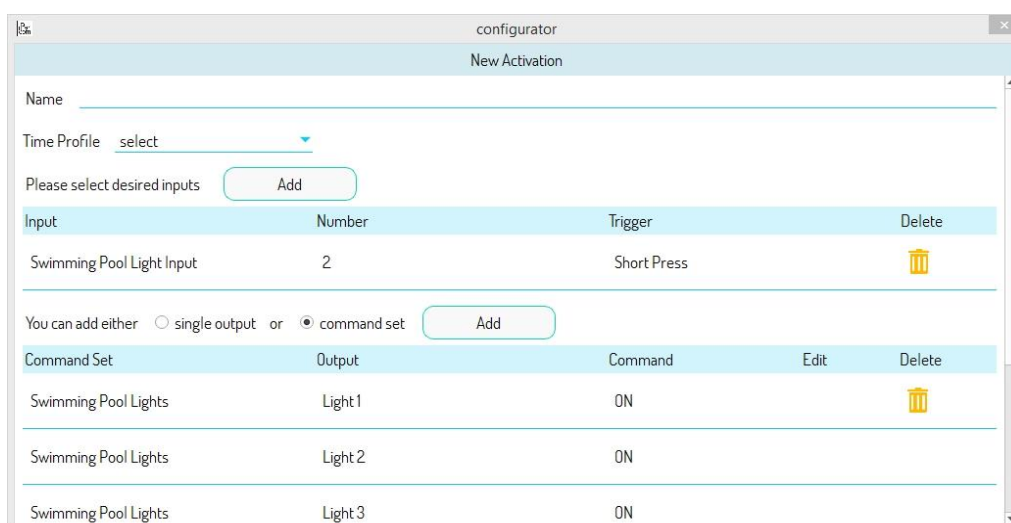


Figure 413: selecting a group of commands

Then press "OK" to open this screen that summarises the choices made:




**configurator**  
New Activation

Name

Time Profile

Please select desired inputs

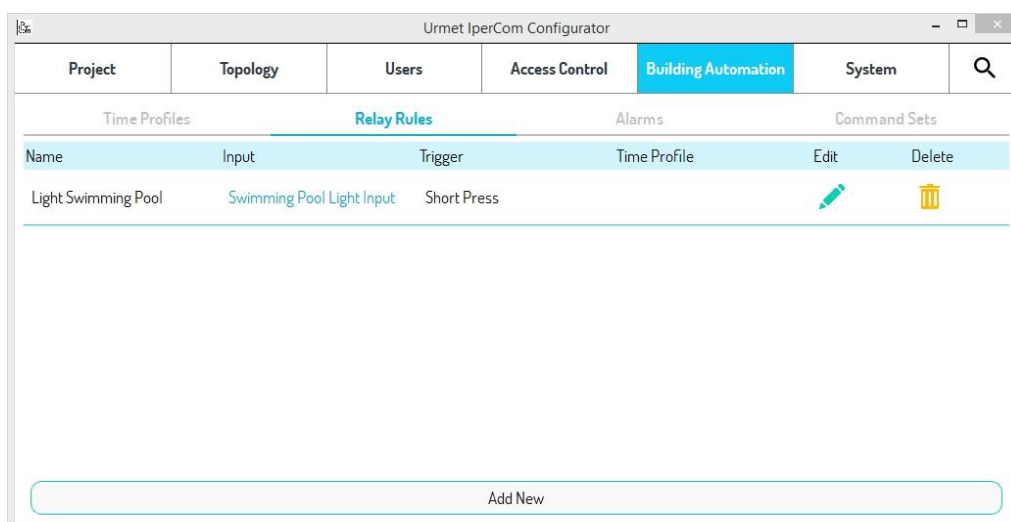
Input	Number	Trigger	Delete
Swimming Pool Light Input	2	Short Press	

You can add either ☐ single output or ☒ command set

Command Set	Output	Command	Edit	Delete
Swimming Pool Lights	Light 1	ON		
Swimming Pool Lights	Light 2	ON		
Swimming Pool Lights	Light 3	ON		

Figure 414: selecting a group of commands

After giving a name to the activation, press the "OK" button to open the following screen:



**Urmel IperCom Configurator**

Project Topology Users Access Control **Building Automation** System

Time Profiles Relay Rules Alarms Command Sets



Name	Input	Trigger	Time Profile	Edit	Delete
Light Swimming Pool	Swimming Pool Light Input	Short Press			

Figure 415: activation with created group of commands



It is advisable to give a meaningful name to the created rule so that you can quickly identify that the concerned rule controls a group of outputs. The reference can be retrieved in all cases by pressing the "Edit" button.

The same scenario can be added when creating a topological activation rule or on a device, more precisely when adding outputs as shown in the following figure:

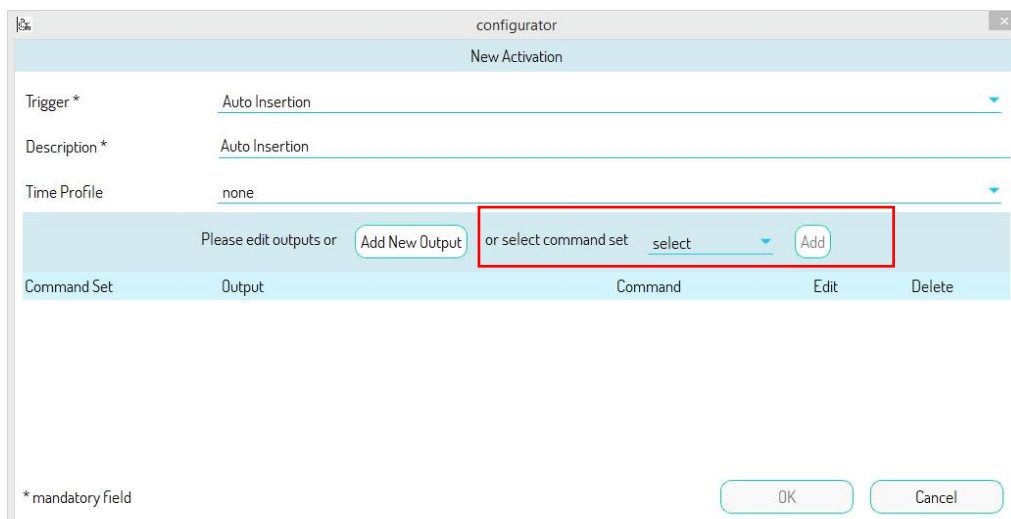


Figure 416: activation with created group of commands

"Select" item can be used to choose the scenario, while the "Add" button allows you to add it to the rule you are creating.

#### 8.1.5.9.3 Adding a time profile to the activation

Each activation created can be associated with a time profile, i.e. establish a time interval within which the activation is valid. The "Time Profiles" tab allows you to do this. The following page will appear:

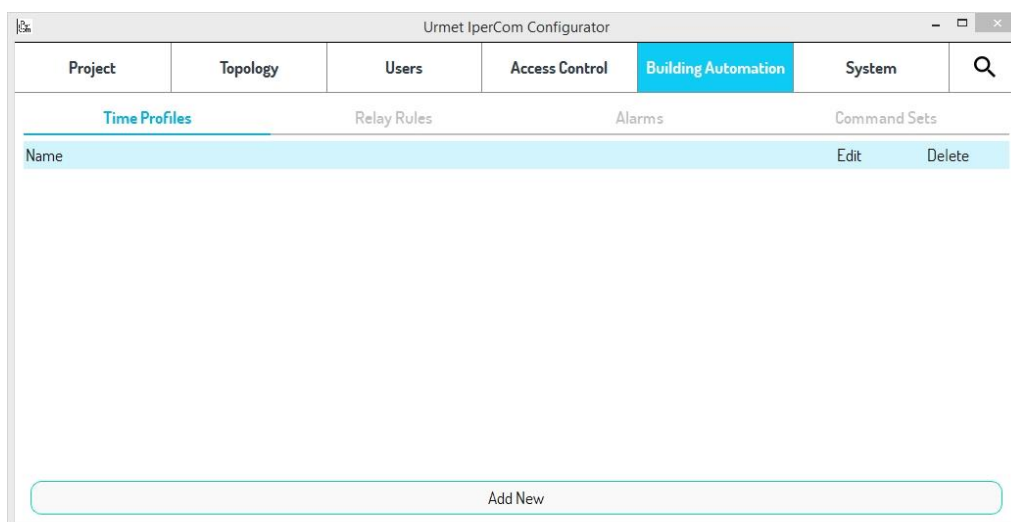
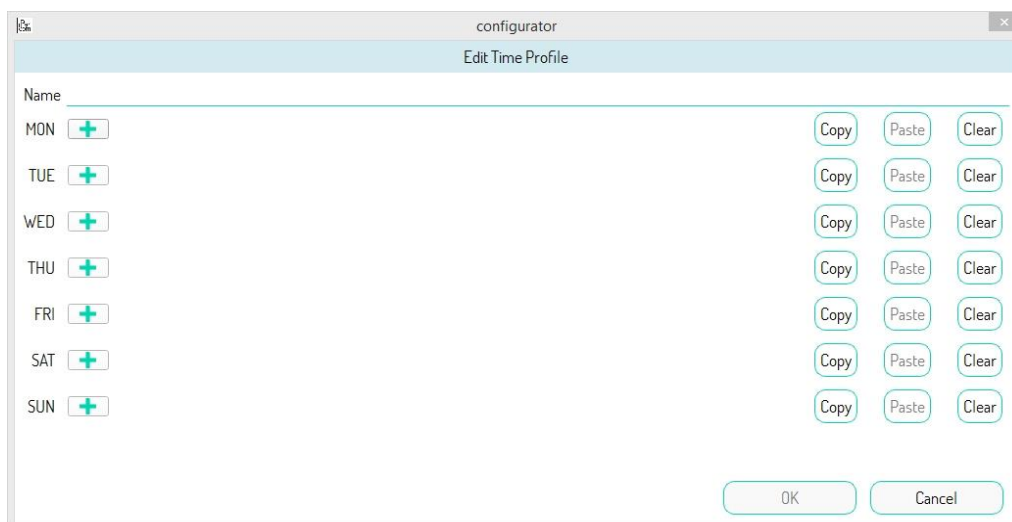



Figure 417: page for creating a time profile

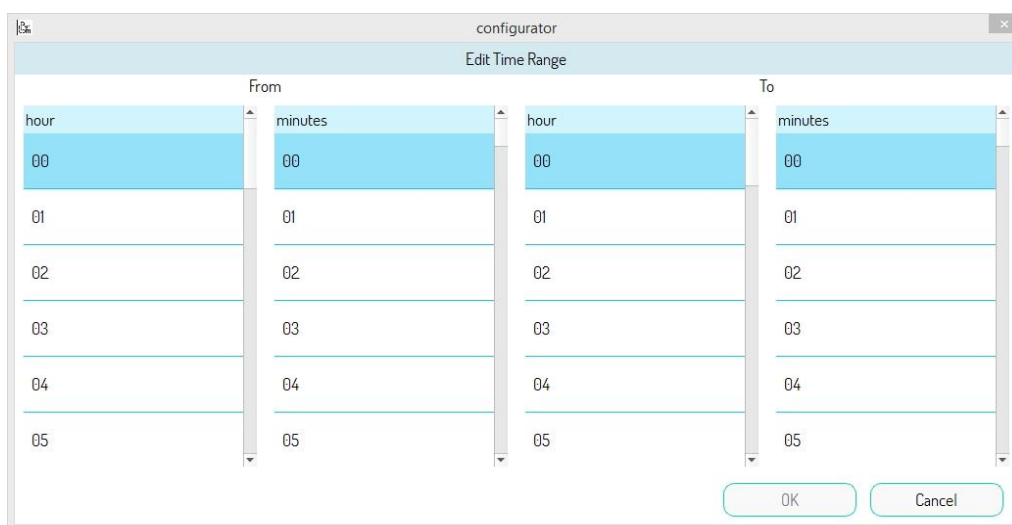
Press "Add New" to open the following page:



The screenshot shows a window titled 'configurator' with a sub-header 'Edit Time Profile'. Below the header is a text field for 'Name'. Underneath, there is a list of days of the week: MON, TUE, WED, THU, FRI, SAT, and SUN. Each day has a green '+' button next to it. To the right of each day, there are three buttons: 'Copy', 'Paste', and 'Clear'. At the bottom right of the window, there are 'OK' and 'Cancel' buttons.

Figure 418: adding a time profile

After having given a name to the time profile you want to create, the buttons  can be used to create a time interval for each day of the week within which the activation will be valid (through the following screen):



The screenshot shows a window titled 'configurator' with a sub-header 'Edit Time Range'. Below the header, there are two main sections: 'From' and 'To'. Each section has two sub-sections: 'hour' and 'minutes'. The 'From' section has a list of values: 00, 01, 02, 03, 04, 05. The 'To' section has a list of values: 00, 01, 02, 03, 04, 05. At the bottom right of the window, there are 'OK' and 'Cancel' buttons.

Figure 419: creating a time profile

The scrolling menus in the figure above allow you to define the start and end of validity of the time profile for each day of the week. For example, if you want to activate a validity for Monday from 8:00 to 12:00, the result is as follows (after pressing the "OK" button):

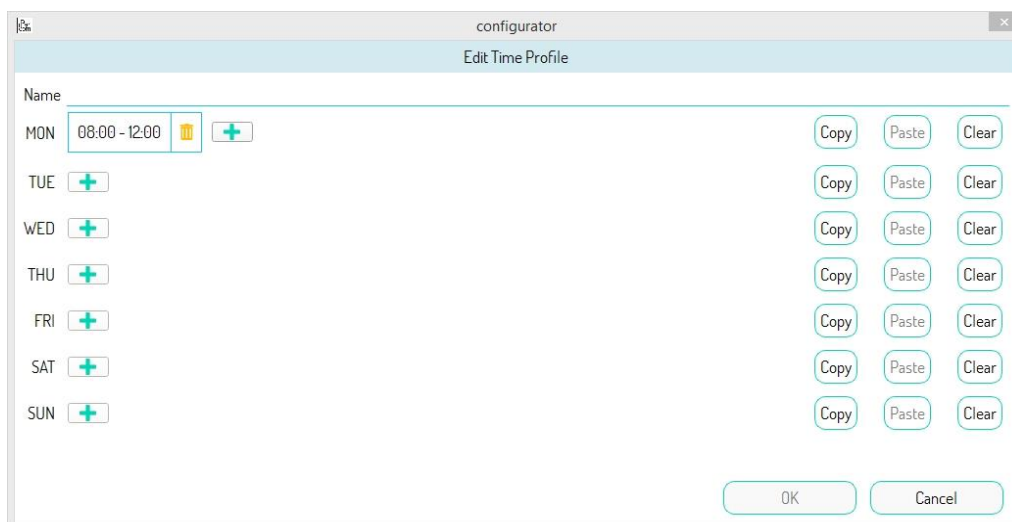


Figure 420: time profile created for a day of the week

The "Copy" and "Paste" buttons allow you to quickly copy the time interval just created for all the other days of the week. You can press the "Copy" button on Monday which will enable the "Paste" buttons on the other days to do this. The following page will appear:

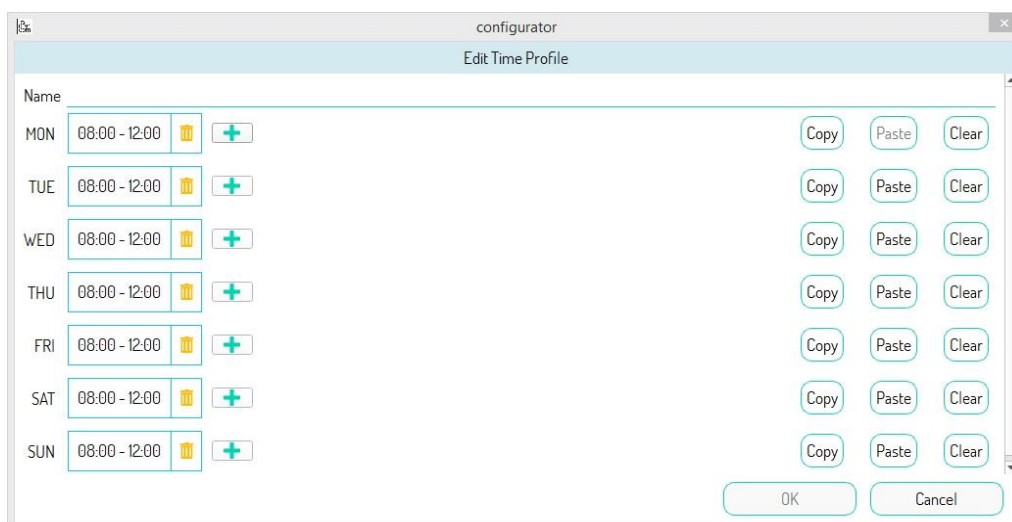


Figure 421: time profile created for the entire week

The "Clear" button allows you to delete all previously created time intervals for one day of the week.

The  button allows you to delete a single time interval created.

Press the "OK" button to complete creating the time profile:

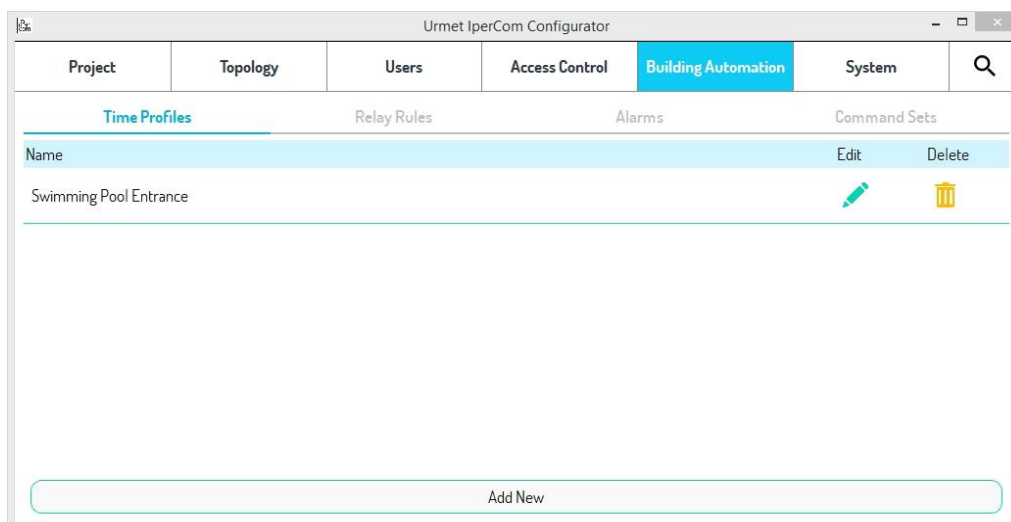


Figure 422: saved time profile

The buttons in the "Edit" and "Delete" columns can be used to edit or delete data for each time profile, respectively (via confirmation pop-up).

At this point, in a previously created or new activation, the "Time Profile" drop-down menu allows you to add a time profile, as shown in the following image:

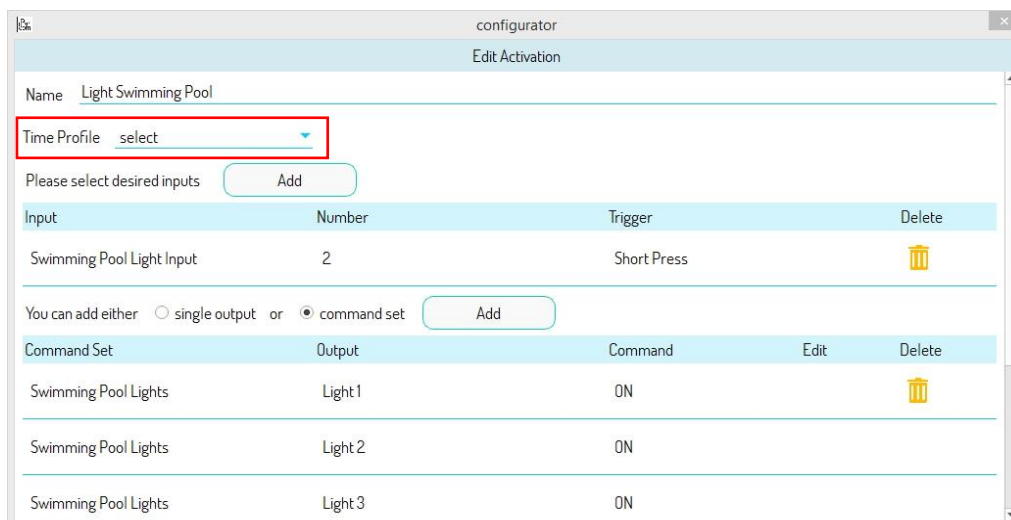


Figure 423: time profile associated with activation

Press the OK button, to see the newly created activation with the associated time profile in the activation list:

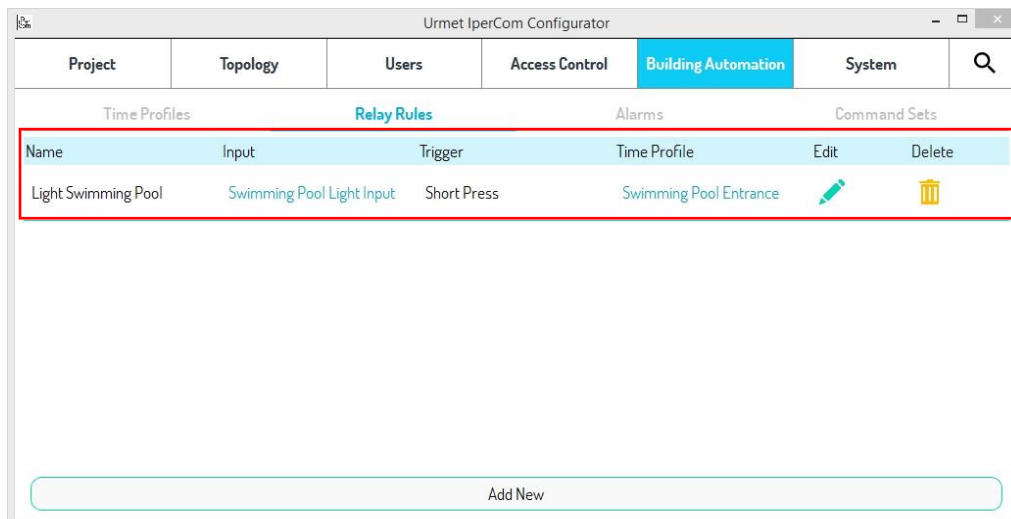


Figure 424: time profile with activation

The buttons in the "Edit" and "Delete" columns can be used to edit or delete data for each activation, respectively (via confirmation pop-up).

#### 8.1.5.9.4 Sending alarms to the Switchboard via relay actuator inputs

It is possible to use the ON, OFF, long press and short press events to send one or more alarm signals to the *Switchboards* of the system through one or more sensors connected to the *Relay Actuator* inputs. The alarm signal is sent when the sensor generates the programmed event.

This can be used using the "Alarms" tab:

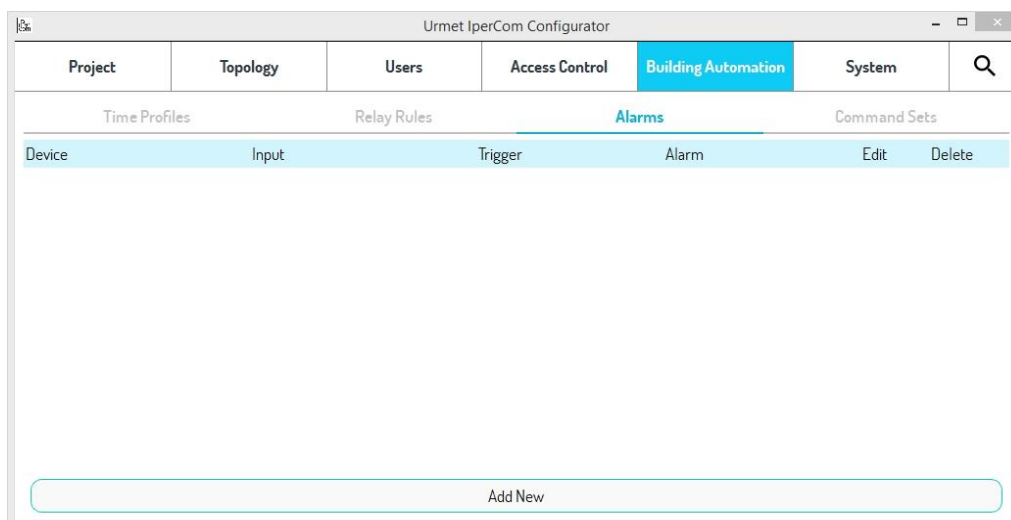


Figure 425: "Alarms" tab


Press the "Add New" button to open the following screen with all the available inputs of the various relay actuators (identified by their physical MAC address and a significant name):



Device	Input	Number	Add
00:1E:E0:02:91:2D	Alarm Input	2	+
00:1E:E0:02:91:2D	Cellar Light Input	1	+
00:1E:E0:01:2A:0A	Stair Light Input	1	+
00:1E:E0:01:2A:0A	Swimming Pool Light Input	2	+

Figure 426: inputs available for alarm generation

In this example, we will assume that the first input is reserved for alarm generation.

Press the button  to choose which event on this input generates the alarm. If the input has been configured in bistable mode (for further details see [Table 90](#)), the possible events are the following:

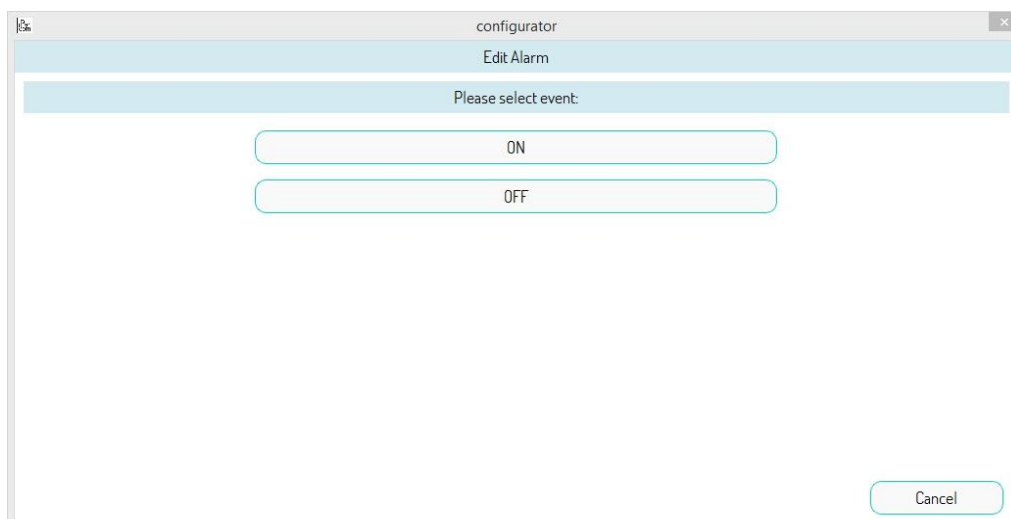


Figure 427: events available if the input is set to bistable mode

The *ON* and *OFF* events are used to generate instantaneous alarms. For example, if the input has been set to normally closed (paragraph [Configuration parameters of IPerCom devices](#)), a sensor connected to a port that is forced triggers an *ON* event and then generates an alarm.

If the input has been configured in monostable mode, the possible events are:

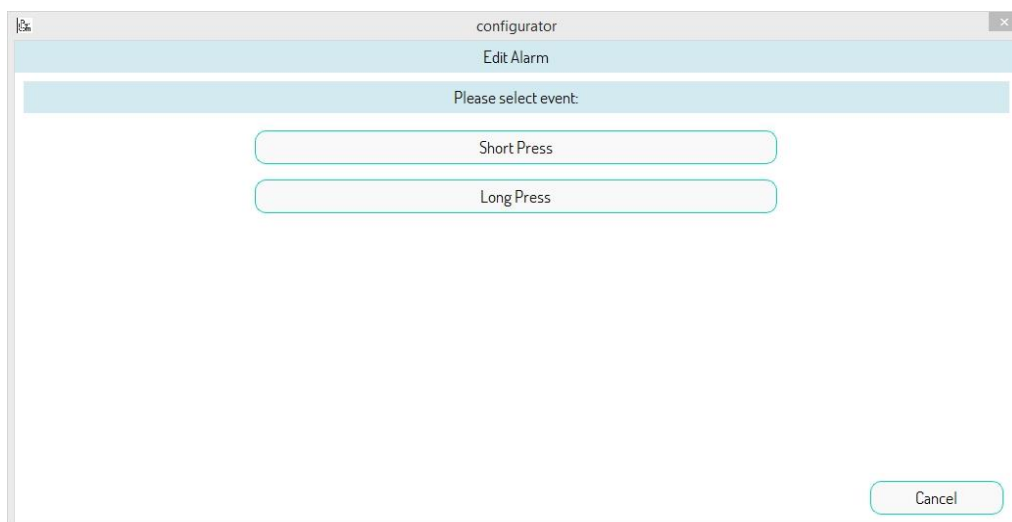


Figure 428: events available if the input is set to monostable mode

The “Short press” and “Long press” events are used to generate non-instantaneous alarms. For example, if the input has been set to normally closed, a sensor connected to a door that is left open for a time longer than the time set at the input triggers a “Long press” event and then generates an alarm.



*For each input it is possible to associate an alarm to only one of the 2 events (ON/OFF if the input has been set as bistable, “Short press” and “Long press” if it has been set as monostable). This means that if an alarm has been associated with the ON event of an input, no other alarm can be associated with the OFF event of the same input (and vice versa). The same applies to the other 2 events of “Short press” and “Long press” of another input.*

If the input has been configured in bistable mode and the "ON" event is selected, the following screen is displayed:

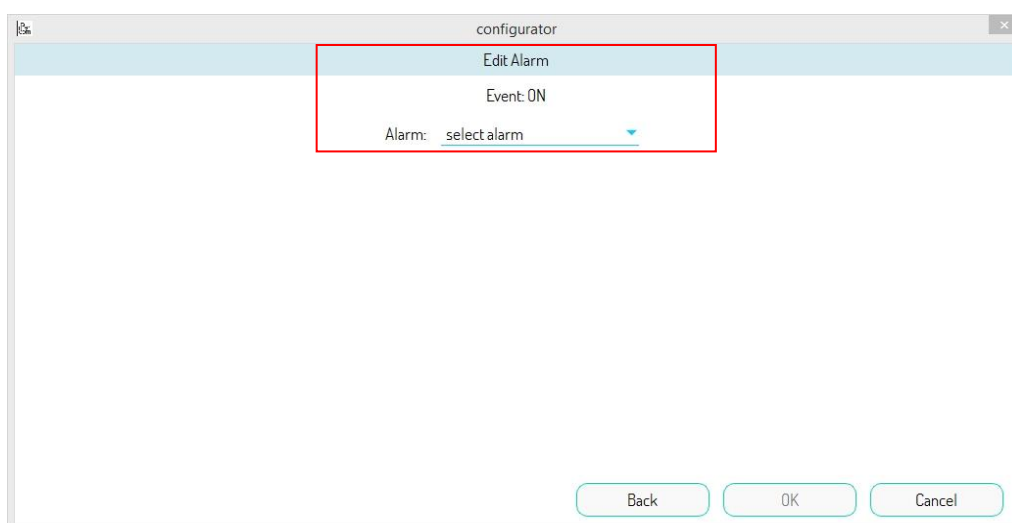


Figure 429: choosing the alarm type

It is possible to select the alarm type to be sent to the Switchboard from the drop-down menu with the red box. The available alarms are listed below:

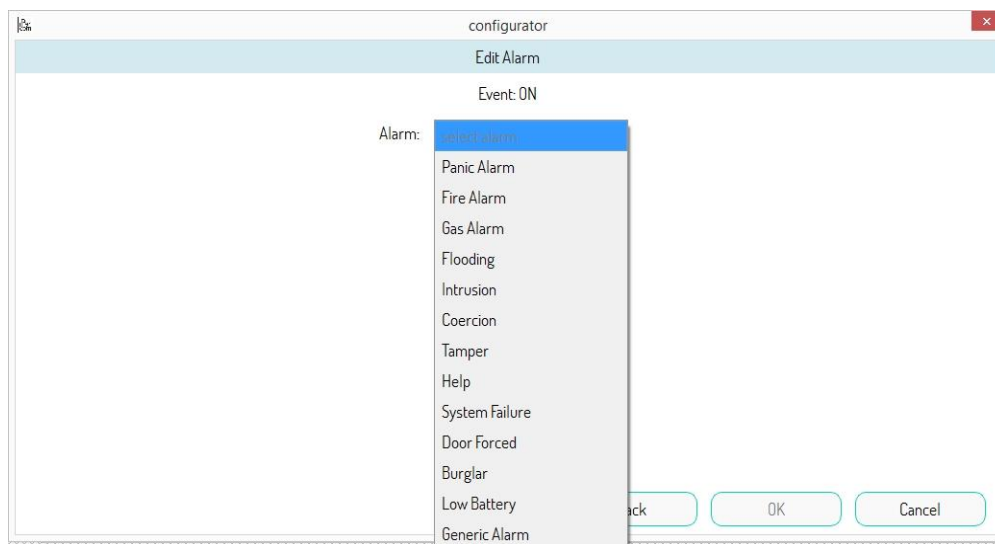


Figure 430: available alarms

For example, if you select the "Door Forced" alarm, press the "OK" button to see the list of inputs on the screen. Then press "OK" again to see what you have just created:

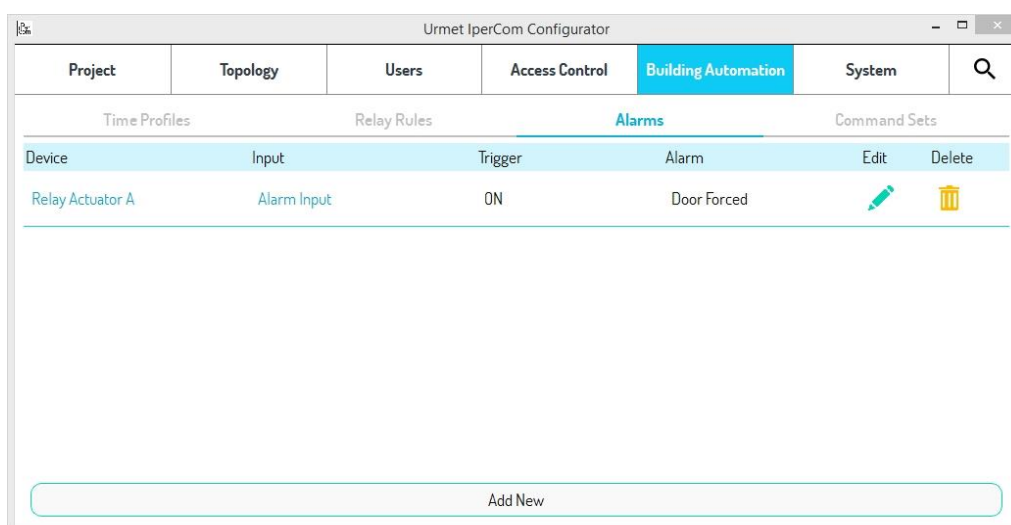


Figure 431: alarm associated with the input

The buttons in the "Edit" and "Delete" columns can be used to edit or delete data for each alarm, respectively (via confirmation pop-up).



*A single input can generate an alarm and simultaneously activate one or more relay outputs.*

#### 8.1.5.9.5 Creation of relay actuator activations and alarms

The activation and alarm generation rules seen in the previous paragraphs can also be created on the configuration page of the relay actuator in the section dedicated to inputs.

Note that the input programming method described in the previous paragraphs is only possible on relay actuators **with firmware version 3.04 or higher. If the firmware version is 2.07, the inputs are not programmable and therefore the following is not valid.**

The section relating to the inputs (both input 1 and input 2) of a *Relay Actuator* is as shown below (if no name has been given to the inputs yet):

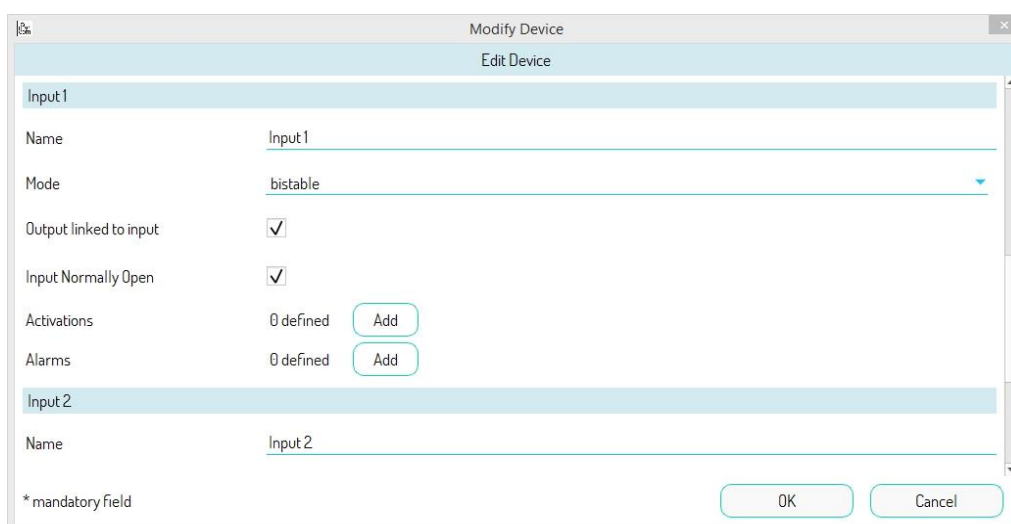


Figure 432: Input configuration of a relay actuator ver.3.04

The "Activations" and "Alarms" buttons can be used to create that described in the previous paragraphs but only for the concerned input. Press the "Activations" button to open the following page:

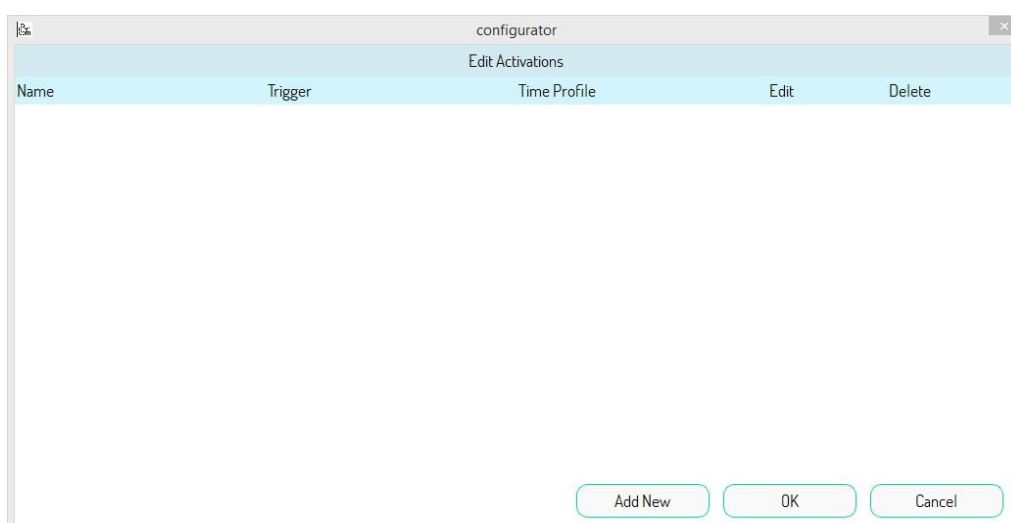


Figure 433: adding relay actuator input activations

Press the "Add" button to open the following page:

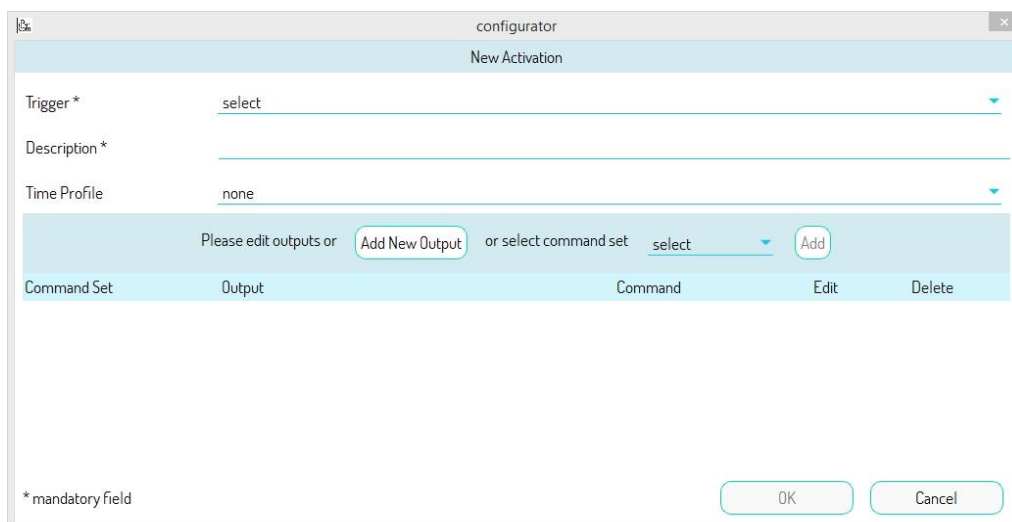


Figure 434: screen to create activation on a single input

The "Trigger" drop-down menu allows you to select the event to be associated with the input, in this case "ON" or "OFF":

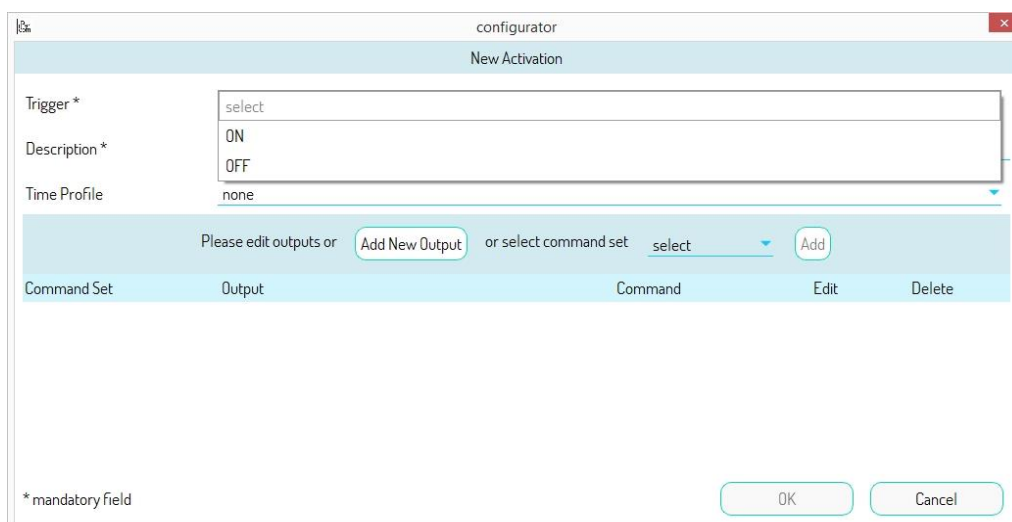
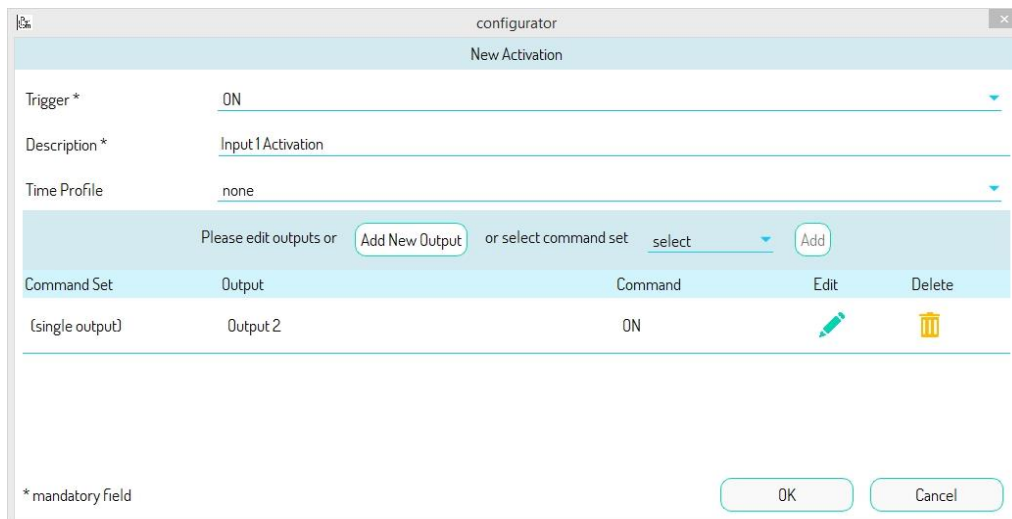


Figure 435: possible events on the input

After having selected an event (e.g. "ON") and given a meaningful name to the activation, associated it with a time profile if required and added one or more outputs, the following screen will appear:



configurator



New Activation

Trigger \* ON

Description \* Input 1 Activation

Time Profile none

Please edit outputs or [Add New Output](#) or select command set [select](#) [Add](#)

Command Set	Output	Command	Edit	Delete
(single output)	Output 2	ON		

\* mandatory field

OK Cancel

Figure 436: event output settings

The result is what we saw in the previous paragraphs, as well as for the creation of alarms.

#### 8.1.5.9.6 Schedules

Through the “*Schedules*” tab you can program on a weekly basis the behaviour of the outputs of the *Relay Actuators* (activation rules). A schedule may consist of one or more activation rules. Press the *Schedules* tab, to display the following page:

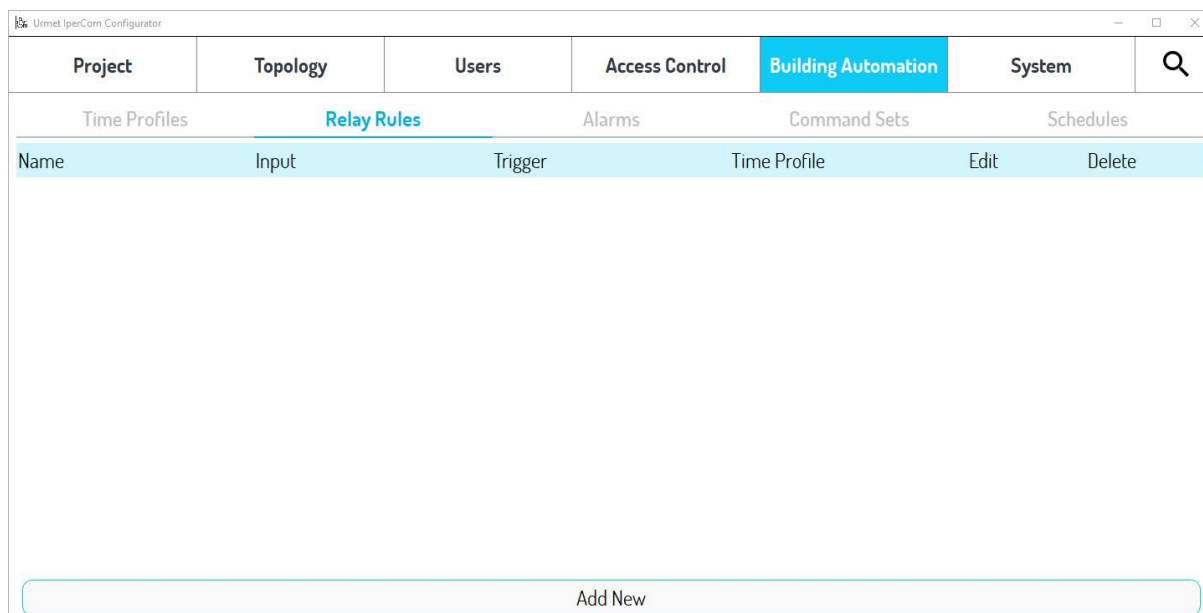


Figure 437: “Schedules” tab

By pressing the “*Add*” button the following page is displayed:

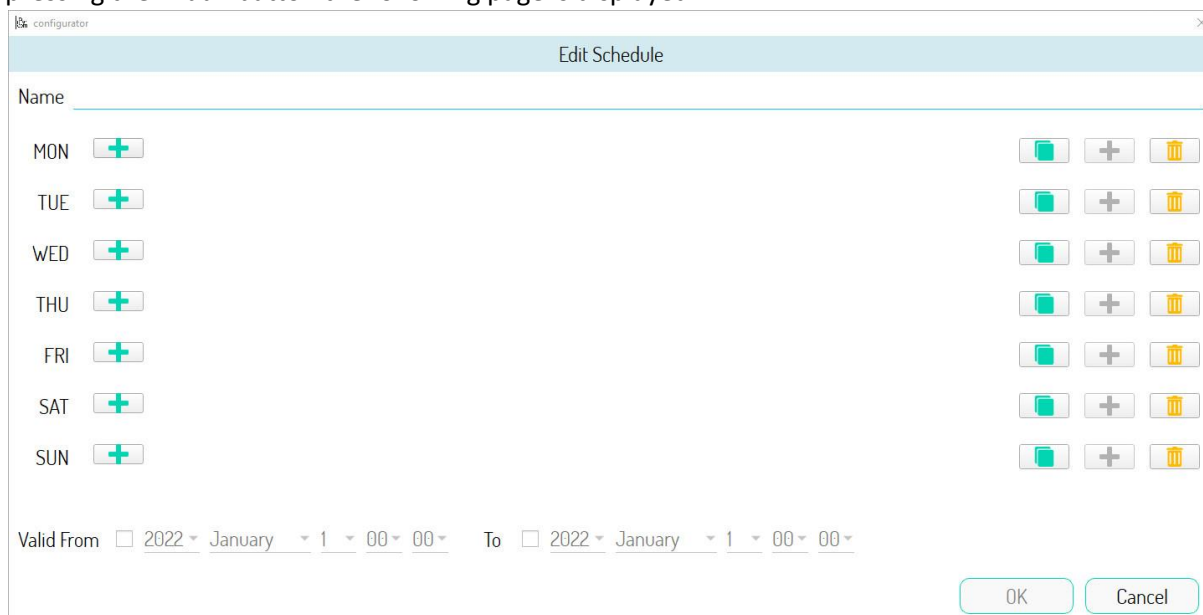



Figure 438: adding a schedule


The “*Name*” field allows you to assign a meaningful name to the schedule.

The buttons  allow you to add one or more activations for each day of the week and at a preset time.

Activations are created by choosing:

- one or more outputs of the *Relay Actuators*, setting the relative command;
- one or more groups of commands (scenarios) previously created.

The activations thus created are repeated on a weekly basis.

For example, if you press the button  on Monday, the following screen page will appear:

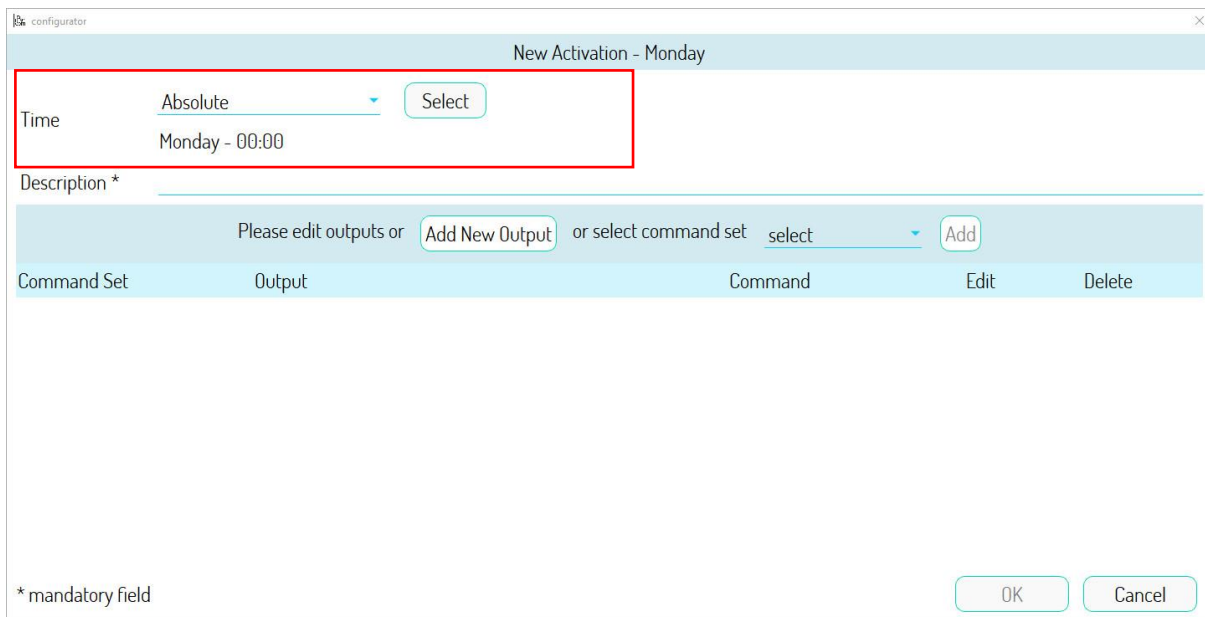


Figure 439: creating a schedule

In the "Time" section (red box) a drop-down menu allows you to choose the time at which to trigger the commands and/or scenarios according to the items below:

- "Absolute", to choose a time consistent with the time set on the system;
- "Sunrise", to choose a time that coincides with the sunrise of your geographical location;
- "Sunrise + offset", to choose a time that coincides with the sunrise of your geographical location to which a time delta is added;
- "Sunrise - offset", to choose a time that coincides with the sunrise of your geographical location from which a time delta is subtracted;
- "Sunset", to choose a time that coincides with the sunset of your geographical location;
- "Sunset + offset", to choose a time that coincides with the sunset of your geographical location to which a time delta is added;
- "Sunset - offset", to choose a time that coincides with the sunset of your geographical location from which a time delta is subtracted.



To set the time to sunrise and sunset (corresponding to your geographical location), see the paragraph [Sunrise/Sunset Settings](#) of the chapter on system parameters.

Press the "Select" button to open a screen page where you can choose the absolute time or the offset (in hours and minutes) to associate with the sunrise or sunset:

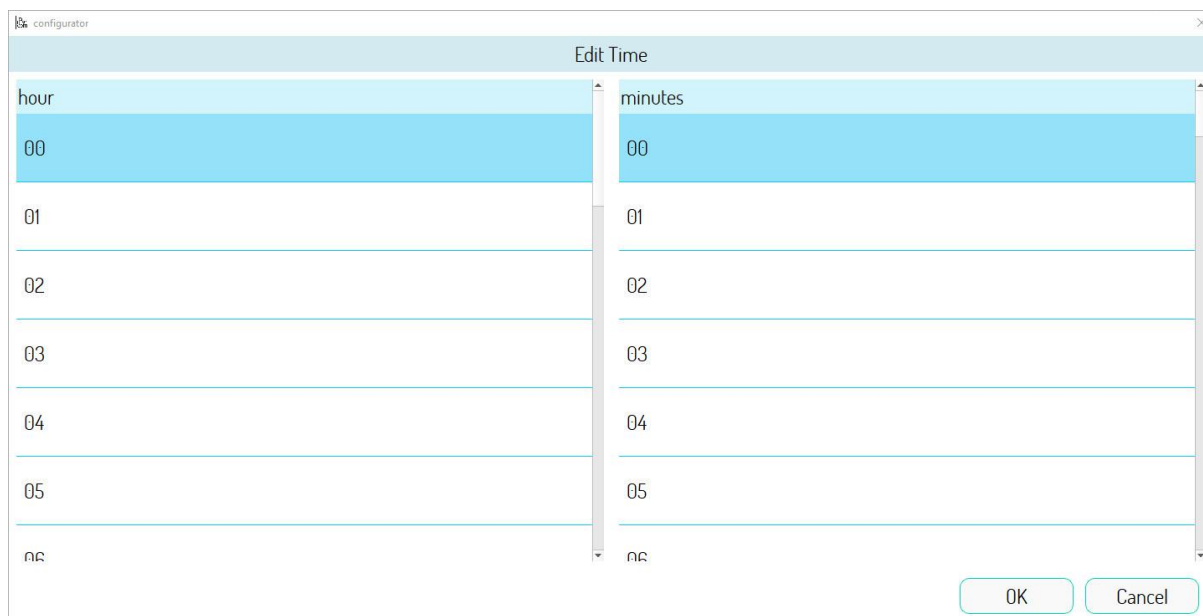


Figure 440: choice of absolute time or offset to associate with sunrise or sunset

Below are 3 examples of how the "Time" section appears, if you choose in order an absolute time (7:00 am), a time referred to sunrise in Milan and a time referred to sunrise in Milan with one hour offset:

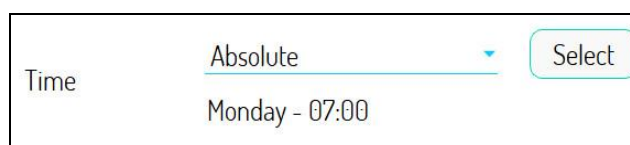


Figure 441: absolute time

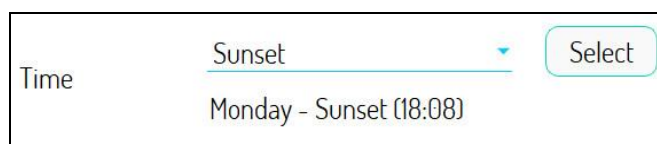


Figure 442: sunrise set to Milan

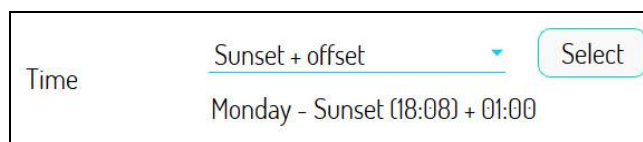


Figure 443: sunrise set to Milan with one hour offset

The "Description" field allows you to give a meaningful name to the time activation you are creating.

The “Add a New Output” button allows you to add one or more outputs with the relative command to the activation you are creating.

Press this button and position on the topological node of the *Relay Actuator*, select the desired device (if there are more than one *Relay Actuators*), then choose the output and set the relative command:

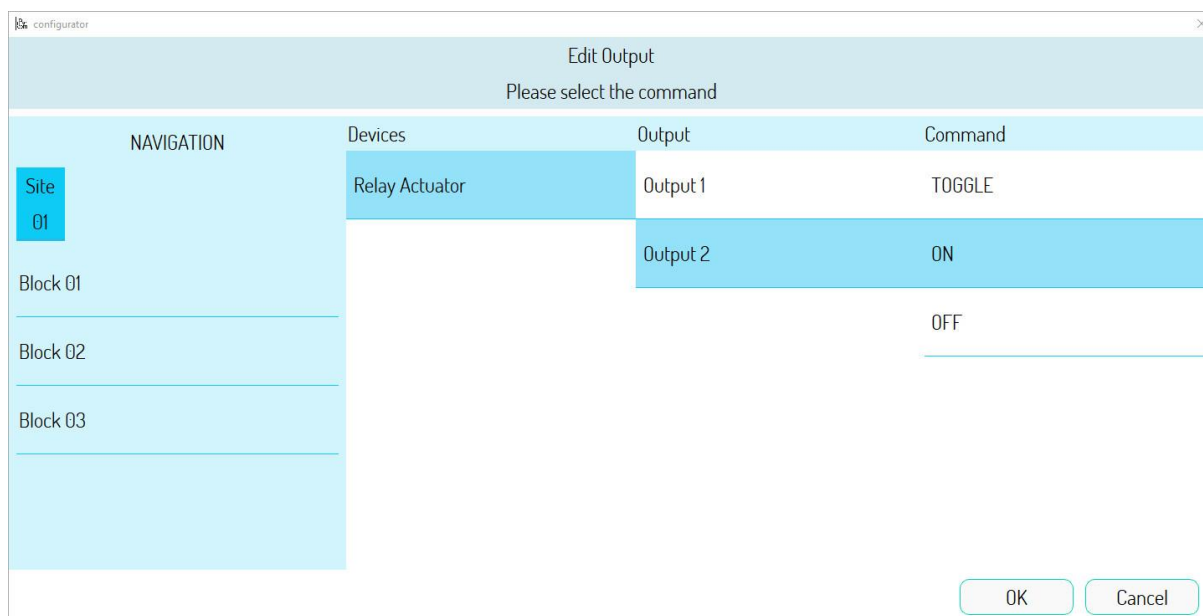


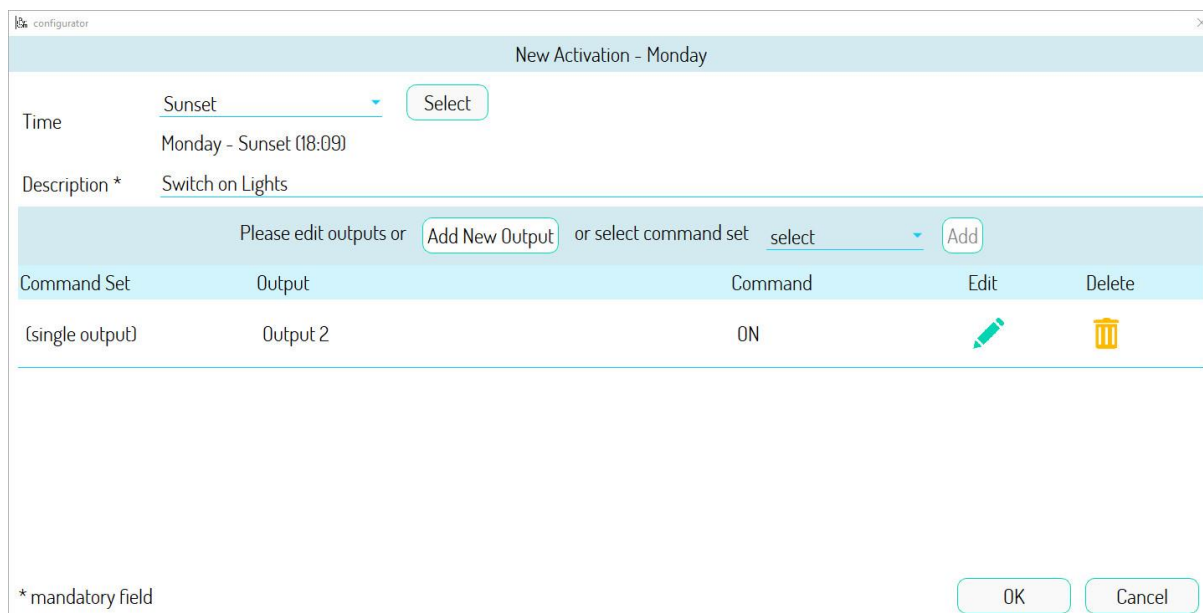
Figure 444: selection of a Relay Actuator output

The commands available depend on how the output has been configured (whether monostable or bistable). In case of monostable output commands "ACTIVATE" and "DEACTIVATE" are present, in the other case the available commands are "ON", "OFF" and "TOGGLE". For further details, see paragraph [Configuration parameters of IPerCom devices](#).



*The "DISACTIVATE" command in monostable mode is present only on the Relay Actuator 1060/84 v. 4.05 starting from version 2.1.0 of IPerCom.*

Press the "OK" button to add the output selected with the relative command, as shown in the following (by way of example) figure:



configurator

New Activation - Monday

Time Sunset Select

Monday - Sunset (18:09)

Description \* Switch on Lights

Please edit outputs or Add New Output or select command set select Add

Command Set	Output	Command	Edit	Delete
(single output)	Output 2	ON		

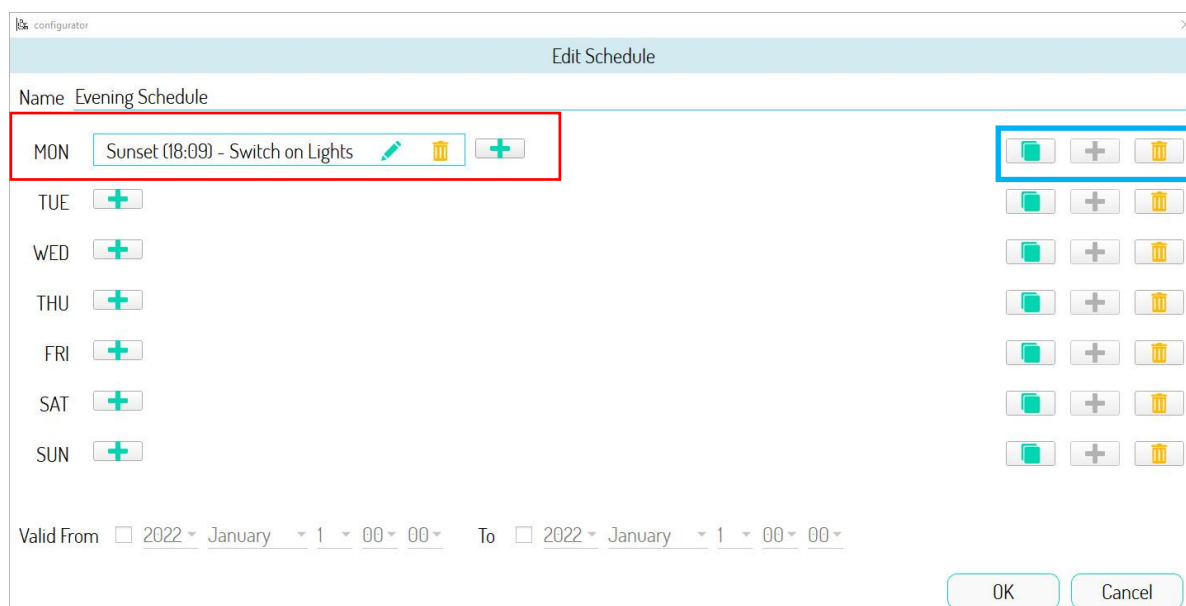
\* mandatory field

OK Cancel

Figure 445: list of outputs associated with the schedule

It is possible to associate different outputs to the same activation by pressing "Add a new output" and repeating the above steps. As they are single outputs, the "Scenario" column shows the "single output" in brackets. It is also possible to add groups of commands previously created through the "Automation" and "Scenarios" tabs (see dedicated paragraph). In this case the "Scenario" column shows the name given to the previously created group of commands.

When Monday activations are configured, press the "OK" button to display the following screen page:



configurator

Edit Schedule

Name Evening Schedule




MON	<span>Sunset (18:09) - Switch on Lights</span>	
TUE		
WED		
THU		
FRI		
SAT		
SUN		



Valid From ☐ 2022 January 1 00 00 To ☐ 2022 January 1 00 00

OK Cancel

Figure 446: Monday schedule completed

The buttons in the red box allow you to:

- modify the activation just created (button );
- delete the activation just created (button );
- add another activation for the same day ().

The  ("Copy") and  ("Paste") buttons in the blue box allow you to copy the activations you have just created to the other days of the week: in fact, if you press the "Copy" button on Monday, the "Paste" buttons of the other days will be enabled, allowing you to do the above. The screen displayed is as follows:

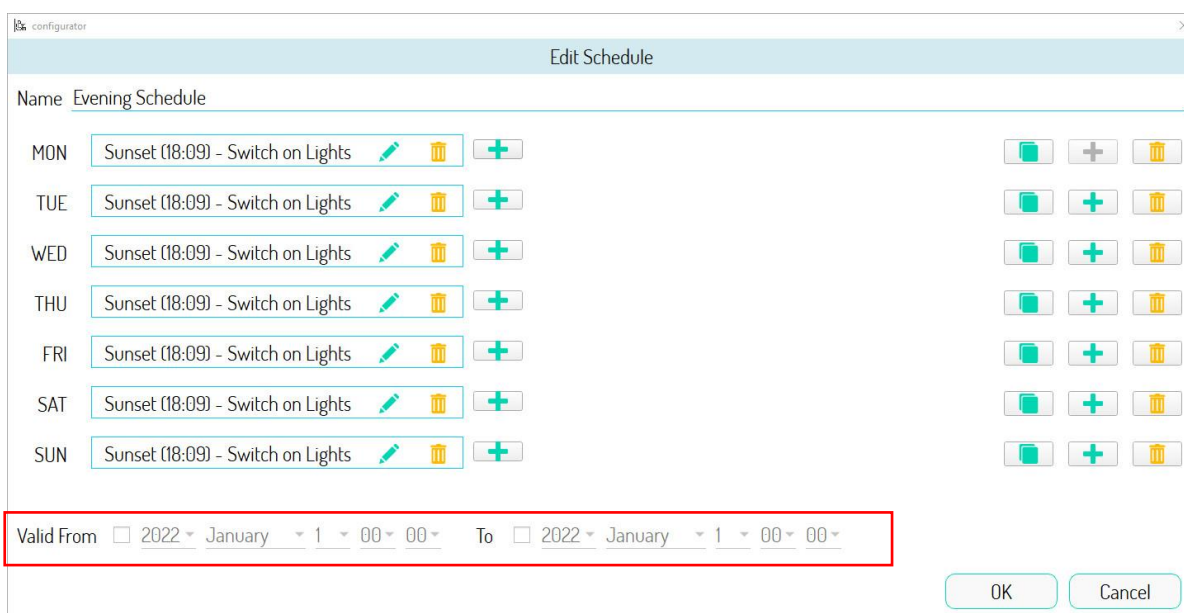



Figure 447: scheduling for the entire week

Finally, the button  (in the blue box) allows you to delete all the activations created in a single day.

You can also assign (in the red box) a time validity to the schedule you just created, by selecting the "Valid From" and "To" fields and choosing a year, day, month, and time for both.

By pressing the "OK" button, the schedule is saved and added to the schedule list:

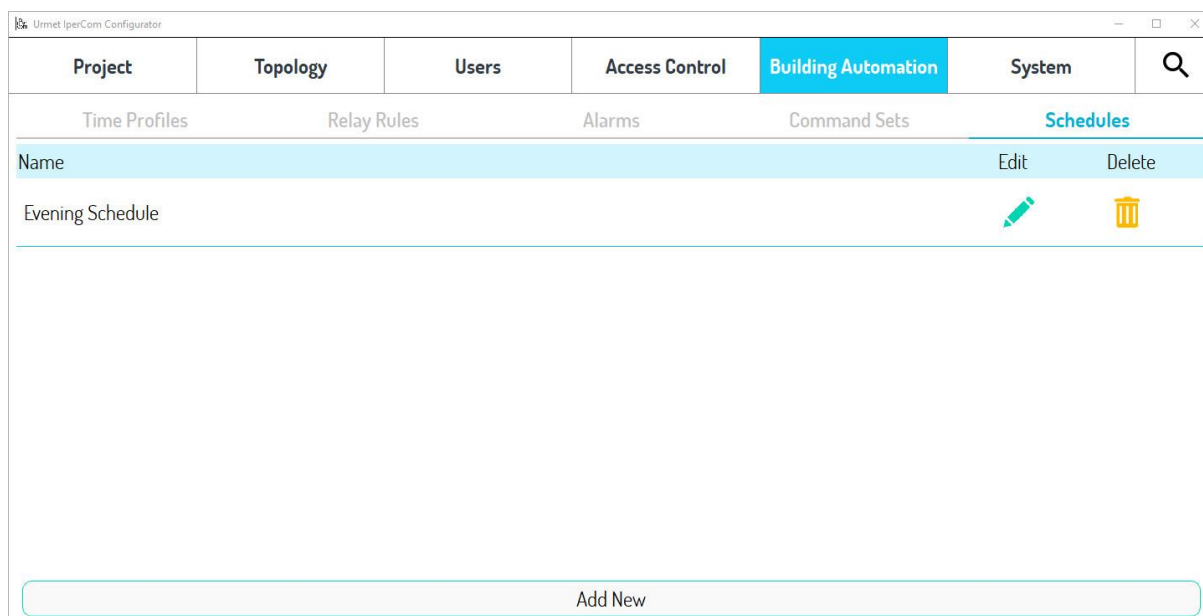


Figure 448: saved schedule

The buttons "Edit" and "Delete" allow you to modify the data or delete each schedule created, respectively (through confirmation pop-up).

### 8.1.6 Gate contact used as output of a Relay Actuator

For activation rules it is possible to use the gate contact of any calling station as a relay output (in addition to the relay outputs of 1060/84 *Relay Actuator* and the 1060/37 *Lift Interface* devices). The calling stations that allow the gate contact to be used as the output of a relay actuator are:

- *Entry Panel* 1060/71-74-75-78;
- *Entry Panel* 1060/21-33-34;
- *Call Module* 1060/12-13-17-18-23;
- *Modular Calling Station with* 1060/48.

To use the gate contact of a calling station as relay output of an actuator, from the *configurator* it is necessary to press the *Edit* button of the *Call Module* 1060/12-13-17-18-23 (for example):

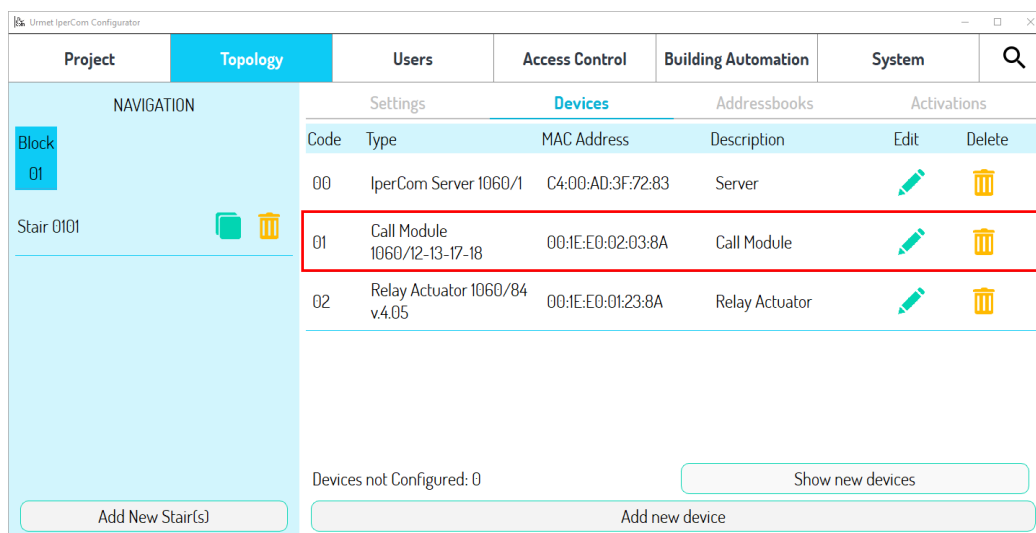
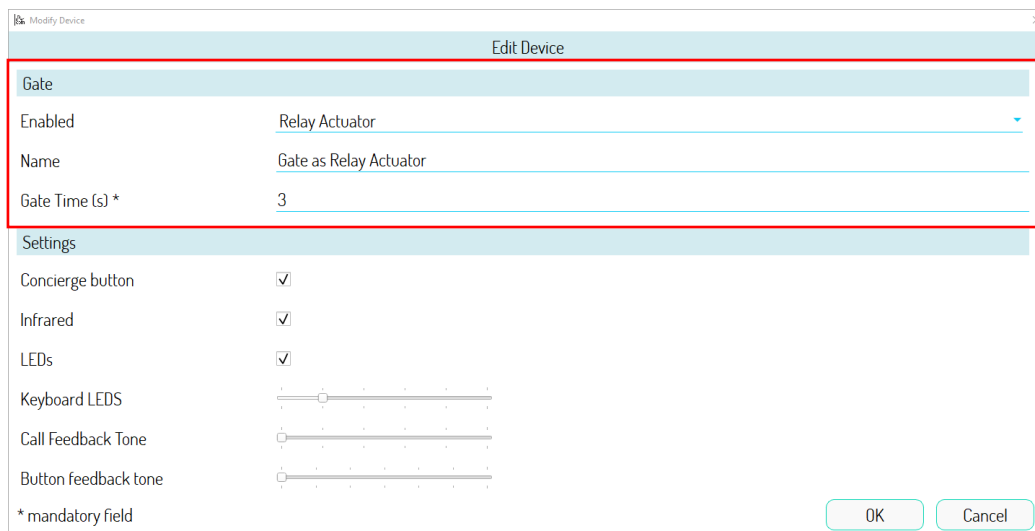


Figure 449: gate contact to be set as the output of a relay actuator

The page relating to the configuration parameters of the *Call Module* opens. In the section relating to the **Gate**, the "Enabled" field must be set to the value "Relay actuator", as shown below:



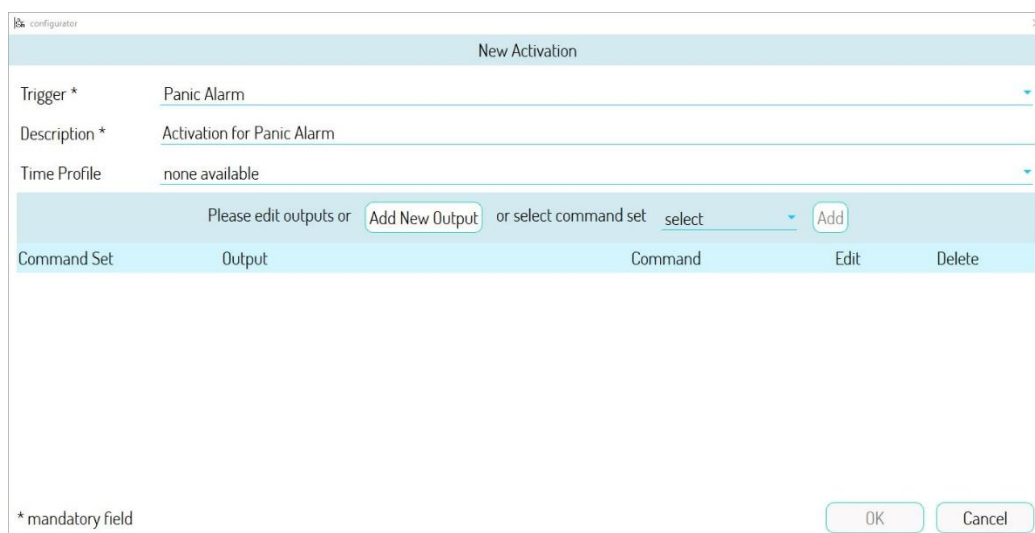
The screenshot shows a window titled 'Edit Device' with a tab labeled 'Gate'. The 'Enabled' dropdown menu is set to 'Relay Actuator'. The 'Name' field contains 'Gate as Relay Actuator' and the 'Gate Time (s) \*' field contains '3'. Below the 'Gate' tab is a 'Settings' section with checkboxes for 'Concierge button', 'Infrared', and 'LEDs', all of which are checked. There are also sliders for 'Keyboard LEDs', 'Call Feedback Tone', and 'Button feedback tone'. At the bottom right are 'OK' and 'Cancel' buttons.

Figure 450: gate contact used as output of a relay actuator

The following fields are shown in automatic way:

- "Name", that allows to give an appropriate name to the output;
- "Gate Time (s)", (from 1s to 90s) which allows to configure the relay output in monostable mode only;

At this point, if you want to create an activation rule linked to a topological event (for example a panic alarm from an apartment station), the following screen appears:



The screenshot shows a window titled 'New Activation'. The 'Trigger \*' dropdown is set to 'Panic Alarm'. The 'Description \*' field contains 'Activation for Panic Alarm'. The 'Time Profile' dropdown is set to 'none available'. Below these fields is a section with the text 'Please edit outputs or Add New Output' and a 'select' dropdown menu with an 'Add' button. At the bottom is a table with the following columns: 'Command Set', 'Output', 'Command', 'Edit', and 'Delete'. The table is currently empty. At the bottom right are 'OK' and 'Cancel' buttons.

Figure 451: panic alarm topological event

Pressing the "Add a New Output" button, both the outputs of any *Relay Actuators* and the relay output of the gate of the *Call Module* are displayed:

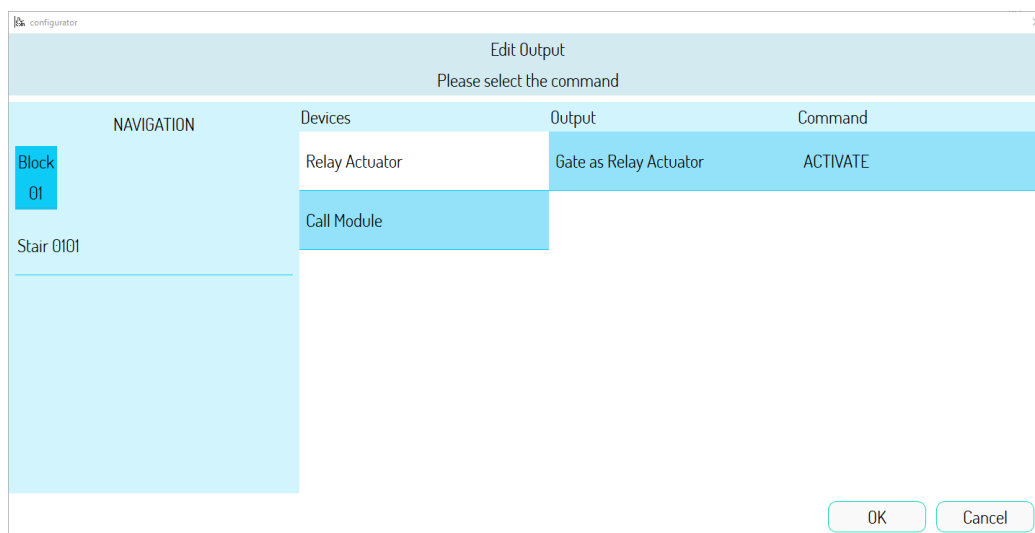


Figure 452: gate contact used in the activation rule

By pressing the "OK" button, the activation is correctly created.

### 8.1.7 Remote relay functions, remote entrance hall button and remote sensor

The remote relay function, available on devices such as *Call Module 1060/12-13-17-18-23*, *Entry panel 1060/33-34-71-74-75-78*, *Entry panel 1060/21*, *Modular Entry Panel with 1060/48*, *Key Reader 1060/45* and *Key Reader 1060/86*, allows you to remotely control the outputs that operate the pedestrian door and the driveway (if any) on those of a **Relay Actuator 1060/84 with firmware version 4.05 or higher**. This increases the security level of the access control: if, for example, the *call module* and the relevant output that drives the pedestrian door are tampered with to open the access point in question, this would not lead to the desired result, since the output that controls the access point opening is located in a completely different area, i.e. beyond the door that has to be opened. In addition to the pedestrian door, it is also possible to remotely control the entrance hall button by using one of the inputs of the *Relay Actuator 1060/84* (with firmware version 4.05 or higher), to further increase the security level at the access point in question.

In addition to the pedestrian door (and driveway if present) you can also remotely control:

- the pedestrian door entrance hall button;
- the door sensor (left open) of the pedestrian passage.

In both above cases, however, the inputs of the *Relay Actuator 1060/84* are used **(always with firmware version 4.05 or higher)**.

To implement these 3 features, in addition to firmware version 4.05, the *Relay Actuator* must also meet the conditions below:

- remote control of pedestrian door or driveway: have at least one output set in monostable mode, not connected to the input and not used in any other activation rule;
- remote control of entrance hall button: have at least one input set in monostable mode and not used in any other activation rule;
- remote control of door open sensor: have at least one input set in bistable mode, normally closed and not used in any other activation rule.



*To set an output to monostable or bistable mode and to have an input not connected to the output, it is necessary to go to the Relay Actuator configuration page (for further details see paragraph [Relay actuator 1060/84 v. 2.07 / 3.04 / v. 4.05](#)).*

If you want to implement this service on the pedestrian door of a *Call Module* (for example), it is necessary to go to the configuration page of the device in question, i.e. open the *configurator* on the "Topology" tab, then on the "Devices" tab. A screen with the list of devices present on the system on the selected node is displayed:

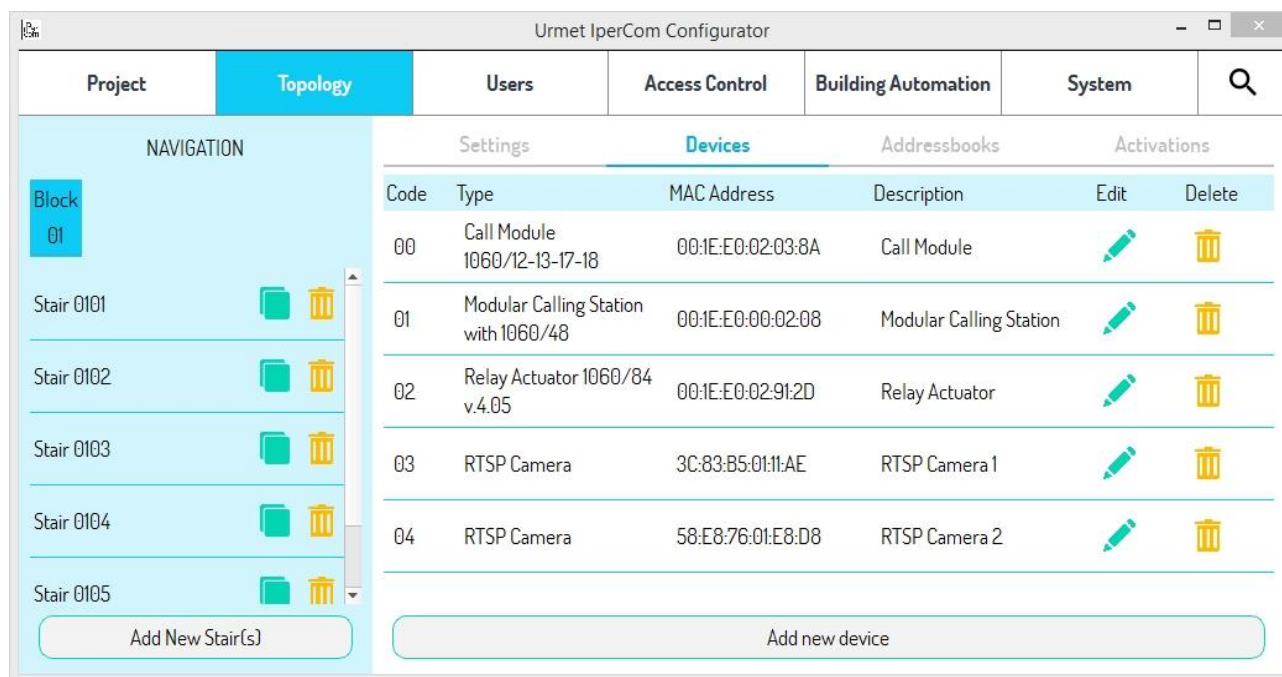


Figure 453: devices present on the site node

By pressing the modification button on the *Call Module*, the remote relay function setting part is displayed in the pedestrian door section, as shown below:

Remote Relay	None	<input type="button" value="Select"/>	<input type="button" value="Clear"/>
Remote Sensor	None	<input type="button" value="Select"/>	<input type="button" value="Clear"/>

Figure 454: Remote Relay and Remote Sensor sections for the pedestrian door

About the “Remote Relay” item, the “Select” button allows you to navigate the topological structure of the system, position on the topological node of the *Relay Actuator* 1060/84 v. 4.05 that you want to use to remotely control the pedestrian passage, select one of the 2 outputs, then press “OK” as shown in the figure below to confirm:

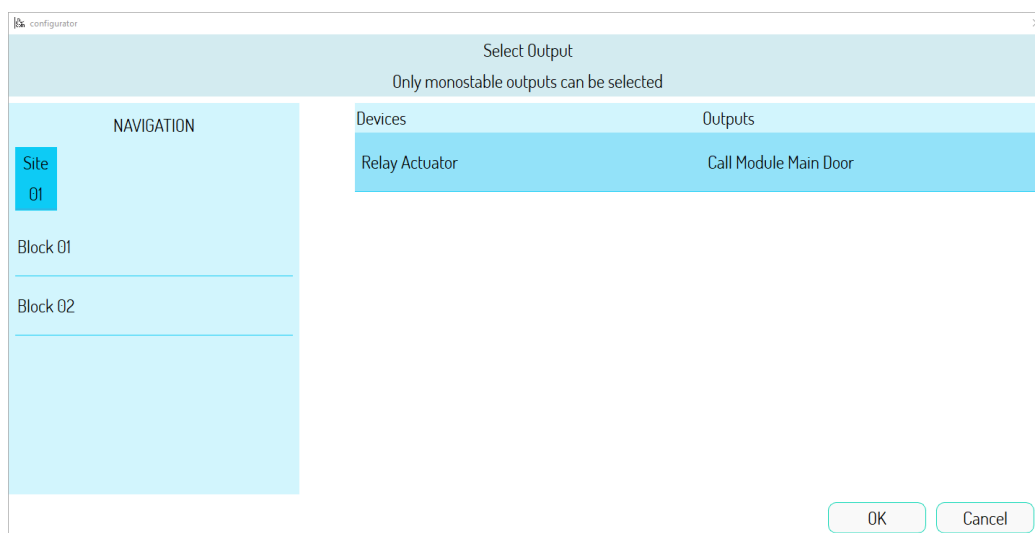


Figure 455: output selection Relay actuator for pedestrian door remote control

After pressing the “OK” button, the remote relay function section is displayed as below:

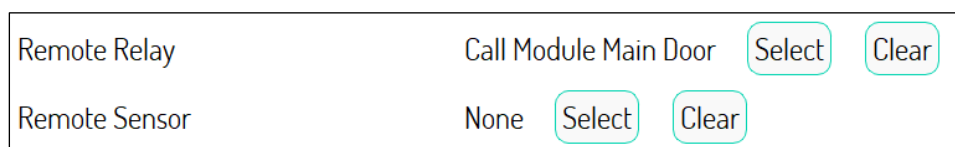


Figure 456: remote pedestrian door

The “Clear” button allows you to delete what you have done.



*It is recommended to give a meaningful name to the outputs of a Relay Actuator so that they are immediately identifiable. The default names that the configurator assigns are in fact composed of the last 6 hexadecimal digits of the MAC address followed by the name **Output 1** or **Output 2** (for example **01:14:03 - Output 1**). If there are several Relay Actuators it is difficult to identify which output must implement the remote relay function. The same applies to the name assigned to the Relay Actuator device.*

In the same way, it is possible to remotely control the pedestrian door entrance hall button or the open-door sensor with the only difference that, instead of selecting the output of a *Relay Actuator*, it is necessary to select an input. The remote entrance hall button will activate (for a pre-set time) the same output used to remotely control the pedestrian passage.

The “*Remote Button*” item for hall button is always found on the configuration page of the *Call Module* in the section relating to the hall button.



*If the pedestrian door is remote-controlled, the relevant entrance hall button, if not remote-controlled, does not activate the output of the Relay Actuator connected to the pedestrian door.*



*The relay output used to remotely control the pedestrian door of any call station cannot be used for other activation rules.*



*The remote setting of an entrance hall button must always be associated with the remote setting of the relevant pedestrian passage.*



*The remote setting of a driveway is done in the same way as for a pedestrian passage, the only difference is that for the driveway there is no entrance hall button and the relevant door open sensor.*

### 8.1.8 User management

In the four possible plant models (*Villa Kit*, *Single Stair*, *Multiple Stairs*, *Multi Block*) the management of the users is implemented in the relevant "Users" tab, as shown in the following figure:

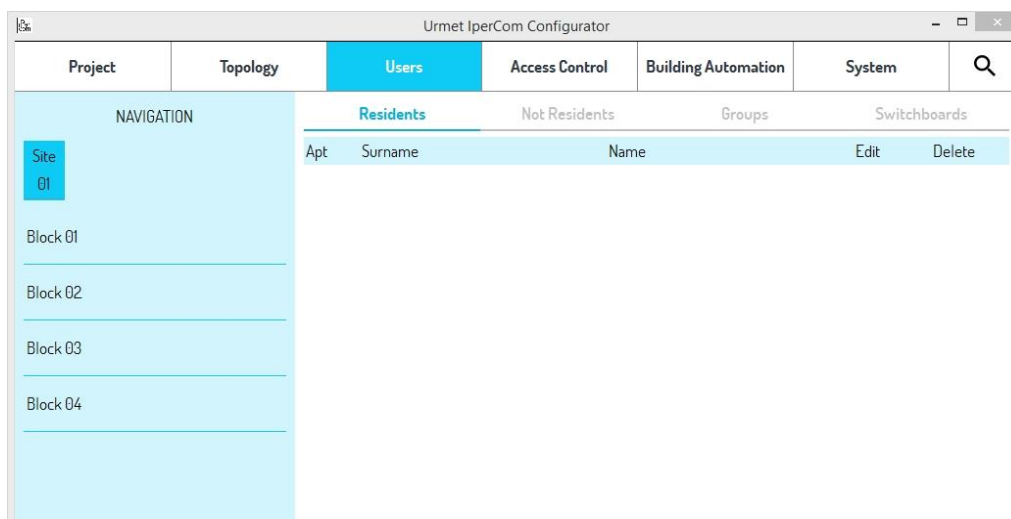


Figure 457: "Users" tab

The screen shows 4 different types of users, described in the dedicated paragraphs: [Residents](#), [Not residents](#), [Groups](#), [Switchboards](#).

#### 8.1.8.1 Residents

Residents are associated with the apartments, so to be able to add residents it is necessary to access the navigation window on one of the created apartments.

Let us suppose you want to create a *Multi Block* project, as shown in the following figure:

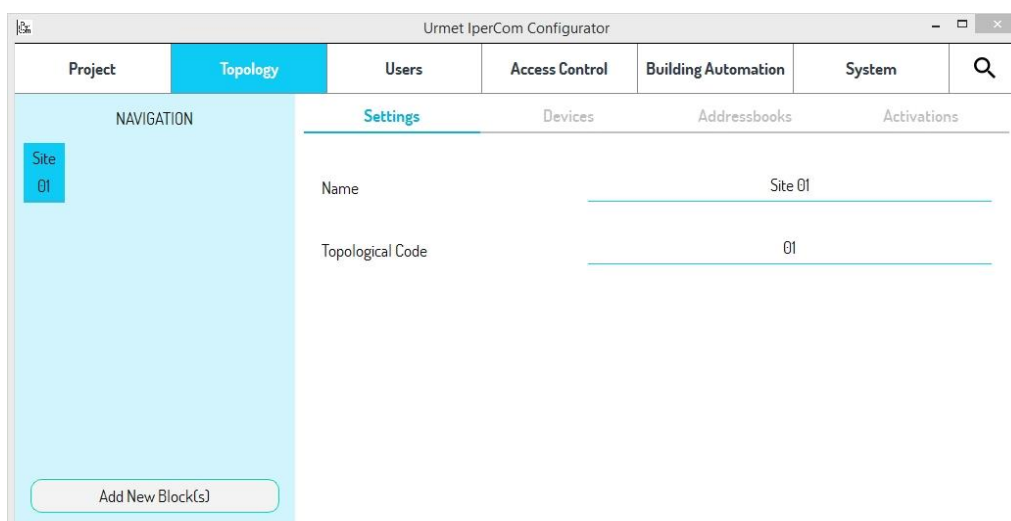


Figure 458: multi block configuration

In the configuration, no topological node has yet been entered, so the "Users" tab will not allow the addition of residents, since it is only allowed in the apartments.

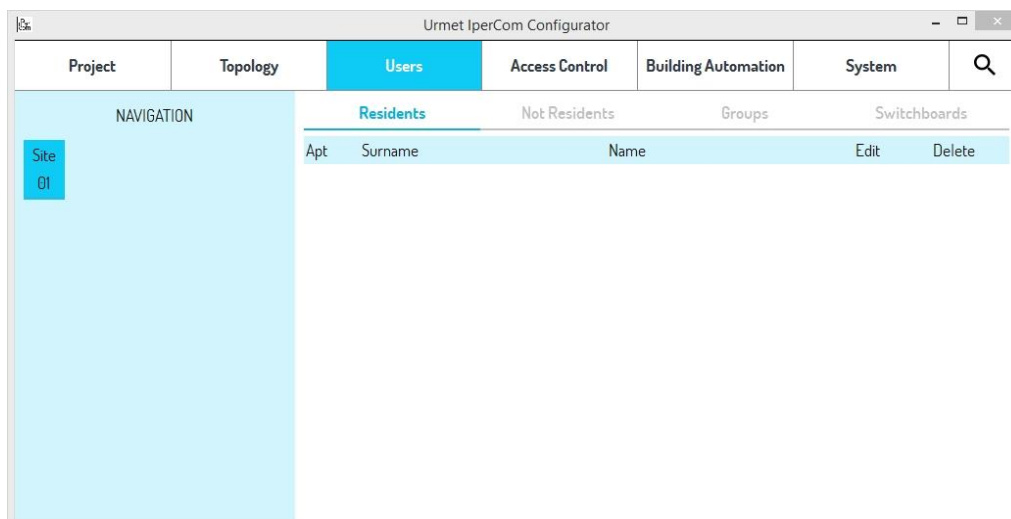


Figure 459: "Residents" screen in a topological node different from the apartment

If you want to add a block, with a stair, a floor and 3 apartments to the topology: go through the navigation module to one of the apartments, you will see the "Add" button in the "Residents" tab, as shown in the following figure:

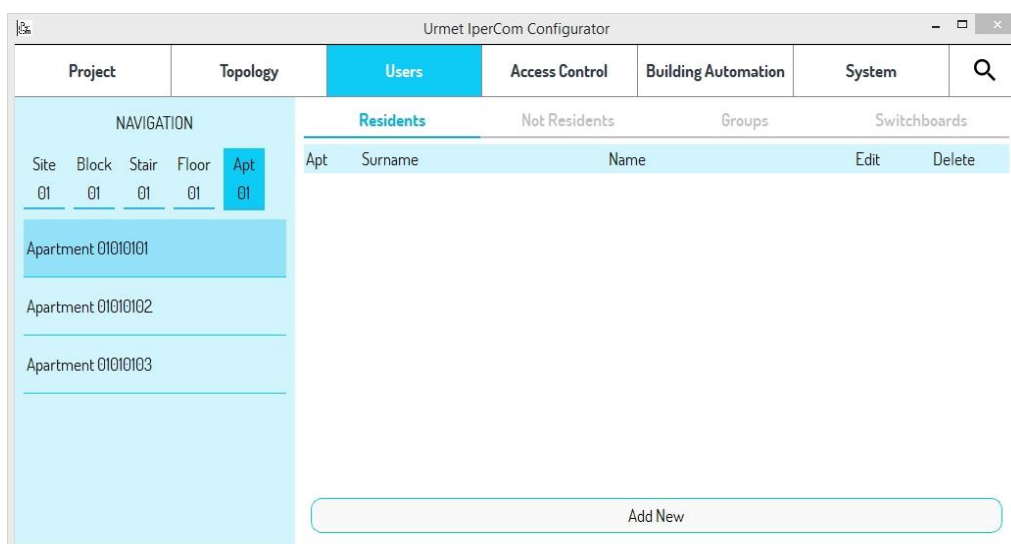


Figure 460: "Residents" screen for an apartment

The "Add New" button allows adding the residents to be associated with the apartment selected in the navigation module, in this case "Apartment 01010101".

Press the button to access the following screen, with the fields to be filled in for the creation of the new user.

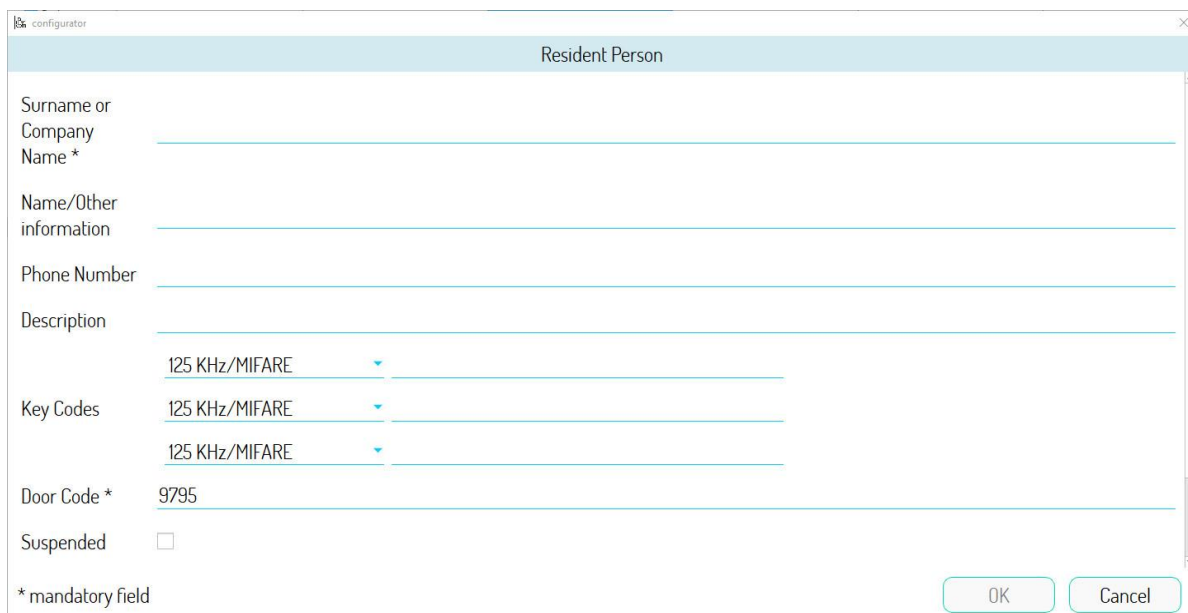


Figure 461: creating a new resident – first part

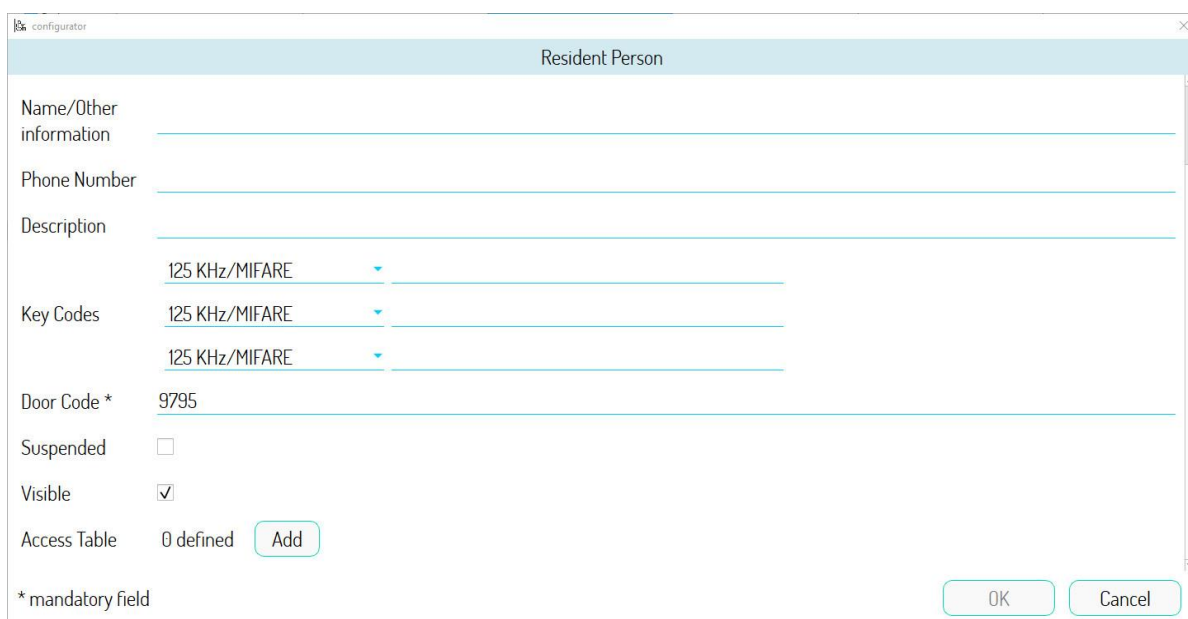





Figure 462: creating a new resident – second part

The following table helps you to understand the meaning of the fields

<i>Surname or Company Name</i>	Surname of the resident or company name. Maximum length: 32 characters.
<i>Name/Other information</i>	Resident name or other information. Maximum length: 32 characters.
<i>Telephone number</i>	Telephone number associated to the resident. Maximum length: 16 numeric characters.
<i>Description</i>	Short description of the resident.
<i>Key codes</i>	Proximity key codes associated with the user (up to three key codes per user). The code must be unique in the plant. It is possible to choose between 4 different types of keys according to the device set to read the key.
<i>Door Code</i>	Door opener numerical code associated to the user; the <i>configurator</i> automatically generates a 4-digit code, which can be modified. The code must be univocal in the system.
<i>Suspended</i>	If selected, access to all access points (on the topological path of the relevant apartments and not) is not allowed with either the key code or the door code.
<i>Visible</i>	If selected, the name will be shown in the Call Module. Otherwise, the name will not be shown in the address book.

Table 17: resident fields

-  The number of digits of the Door Code can be changed from a minimum of 4 digits to a maximum of 8. For further details, see paragraph [System parameters](#).
-  The door opener code, besides being unique in the system, cannot be the same as other codes already generated and increased by one unit. In fact, these codes are reserved for the coercion alarm generation (in addition to the entrance hall opening). For further details see the installation and user manual of the Switchboard downloadable from [www.urmet.com](http://www.urmet.com)
-  Door opener codes and related coercion alarm codes can be entered on call stations equipped with numeric keypad, i.e. Call Module 1060/12-13-17-18-23 and Modular Entry Panel with 1060/48.

As for the key code, this is shown on one of the 2 sides of the proximity key. The code must be entered in the relevant field of the *configurator*.

The types of keys available are:

- 125KHz,
- Mifare,
- Mifare Plus
- dual technology (125KHz and Mifare).

[APPENDIX D: Proximity keys compatible with IPerCom devices](#) contains a table with a list of devices that integrate a key reader and the different types of proximity keys that can be read by these devices.

To speed up the entering of the key code in the *configurator* page, an automatic reading device (Universal Encoder) of the code is available for keys with Mifare, Mifare Plus technology and dual technology.

Simply connect the *Universal Encoder* device to a USB port on your computer (using the supplied cable): in this way the device is powered and the LED on the front panel switch from green (about 1s) to steady red. Now, after opening any text editor on your PC (Notepad for example), simply bring the key close to the white recess on the front of the device: the key code is immediately displayed on the text editor and can then be copied and pasted in the relevant field of the resident or non-resident page you are adding to the configuration.



*Residents may also be associated with 2Voice apartments as described above. These residents will appear in the address books of the IPerCom Call Modules and will have access to the respective gates within their competence and not via Proximity Keys or Door Codes which may have a time limit or not.*

After adding for example 2 users for the “Apartment 01010101”, if you go to that topological node you will see the updated list of residents in the context menu.

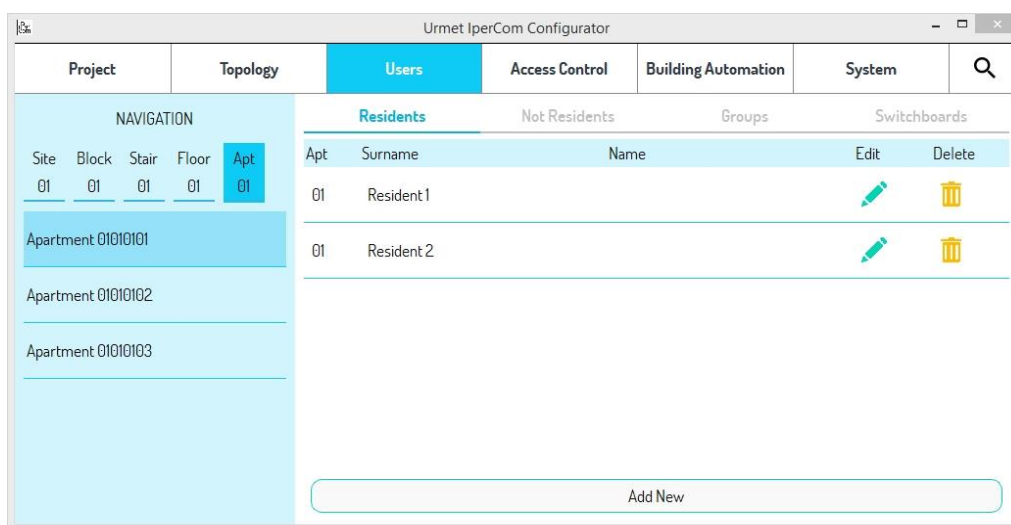


Figure 463: list of residents for the selected apartment

The buttons in the columns "Edit" and "Delete" allow you to modify the data or delete each user created, respectively (through confirmation pop-up).

The creation of the residents allows:

- having a contact address book that can be viewed on the *Call Modules* and *Modular entry panel with 1060/48*;
- giving residents access (through *Proximity Keys* or *Door Codes*) to the accesses on the topological path of their apartments without any time limit;
- giving residents access (through *Proximity Keys* or *Door Codes*) to the accesses not present on the topological path of their apartments with any time limit (refer to the [Access control](#) paragraph).



*For 2Voice apartment residents, the Proximity Keys and/or Door Codes allow access only to the IPerCom system call module doors. Program the key and/or door opener codes as shown in the user manuals of the respective 2Voice system products to access the doors of any call module in the 2Voice system, if required.*

#### 8.1.8.2 Not residents

The IPerCom system can manage the controlled access to the residential structure also for external personnel (maintenance technicians, suppliers, etc.).

The "not resident" is not associated with any apartment of the system: in fact, by going to the tab "Not Resident" in the tab "Users", the navigation module will not show the topology of the system.

The addition of a non-resident is therefore always allowed regardless of the topology of the system.

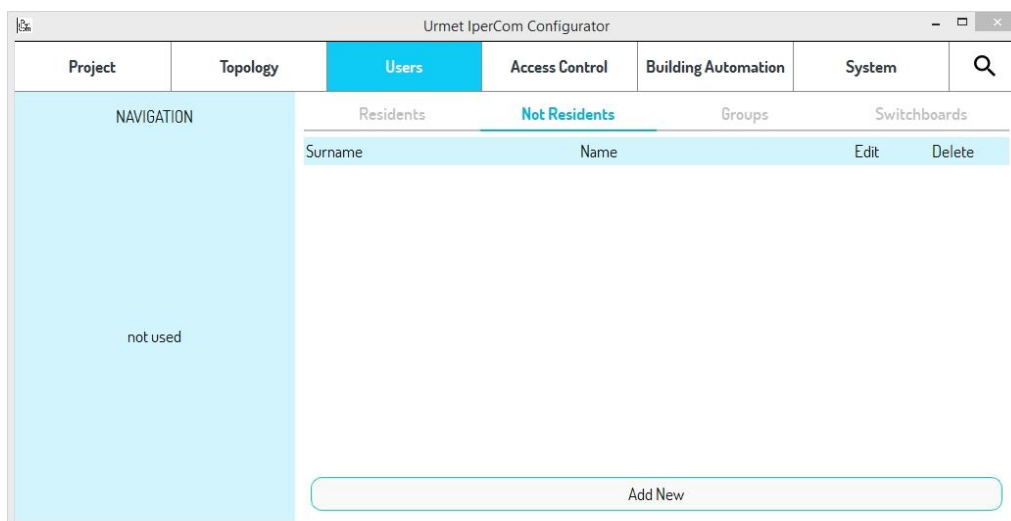


Figure 464: "Not Resident" screen

By pressing the “Add New” button, a screen like the following one will open:



Figure 465: creation of a non-resident - part one

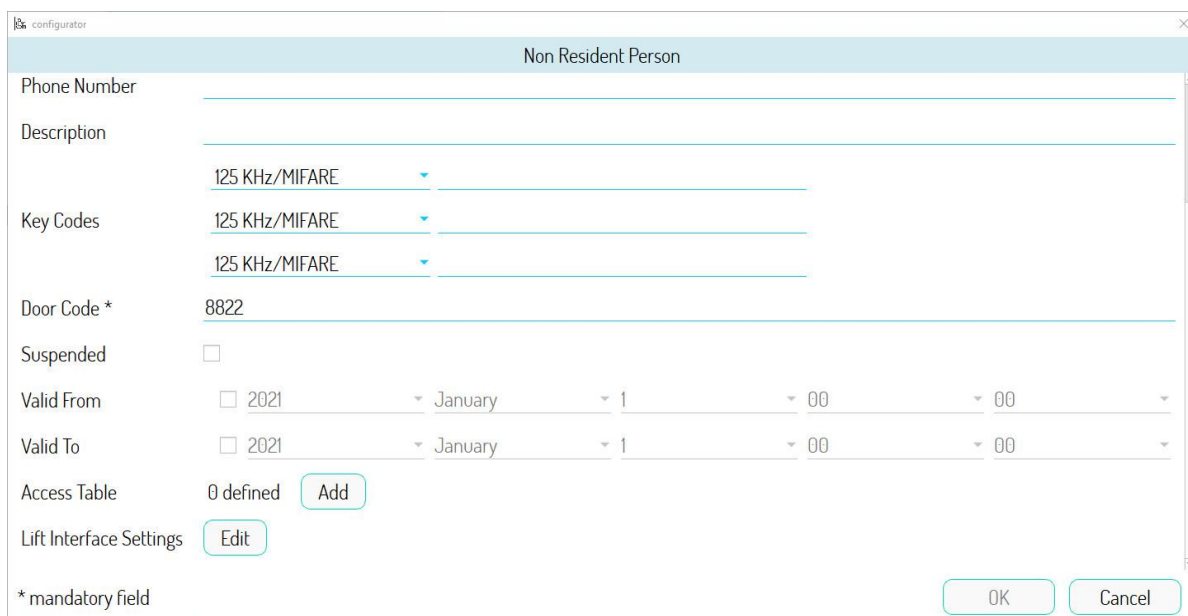





Figure 466: creation of a non-resident - part two

The following table helps you to understand the meaning of the fields:

<i>Surname or Company Name</i>	Surname of the resident or company name. Maximum length: 32 characters.
<i>Name/Other information</i>	Resident name or other information. Maximum length: 32 characters.
<i>Telephone number</i>	Telephone number associated to the not resident. Maximum length: 16 numeric characters.
<i>Description</i>	Short description of the not resident.
<i>Key codes</i>	Proximity key codes associated with the non-resident (up to three key codes per user). The code must be unique in the plant. It is possible to choose between 4 different types of key according to the device set to read the key
<i>Door Code</i>	Door opener numeric code associated to the non-resident. The <i>configurator</i> automatically generates a 4-digit code, which can be modified. The code must be univocal in the system. The code must be univocal in the system.
<i>Suspended</i>	If selected, access to all access points is not allowed with either the key code or the door code.

Table 18: Not Resident fields

-  The number of digits of the Door Code can be changed from a minimum of 4 digits to a maximum of 8. For further details, see paragraph [System parameters](#).
-  The door opener code, besides being unique in the system, cannot be the same as other codes already generated and increased by one unit. In fact these codes are reserved for the coercion alarm generation (in addition to the entrance hall opening). For further details see the installation and user manual of the Switchboard downloadable from [www.urmet.com](http://www.urmet.com)
-  Door opener codes and related coercion alarm codes can be entered on call stations equipped with numeric keypad, i.e. Call Module 1060/12-13-17-18-23 and Modular Entry Panel with 1060/48.

For security reasons, it may be necessary to make access to the doors available to non-residents in a specific time interval: to do this, at the bottom of the screen it is possible to set a time interval for the validity of the Key Codes and of the Door Codes, as highlighted below.

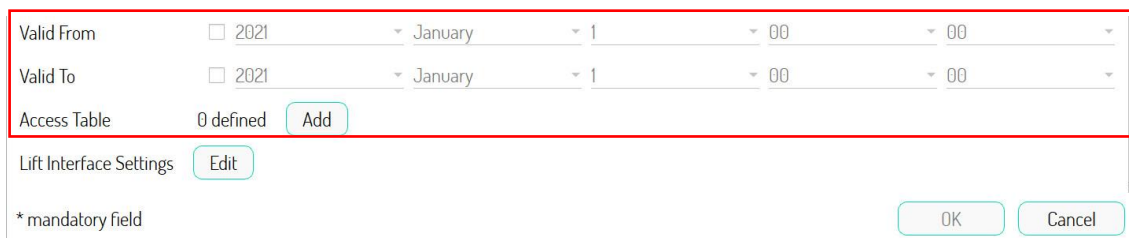


Figure 467: period of validity of the Key Codes and of the Door Codes

Generally, the validity period is not set, so access is always granted to the non-resident; to set a validity period, select the “Valid From” and “Valid To” items in the red rectangle (using the relevant tick boxes) and then set a validity start date and end date. An example is provided in the following figure.

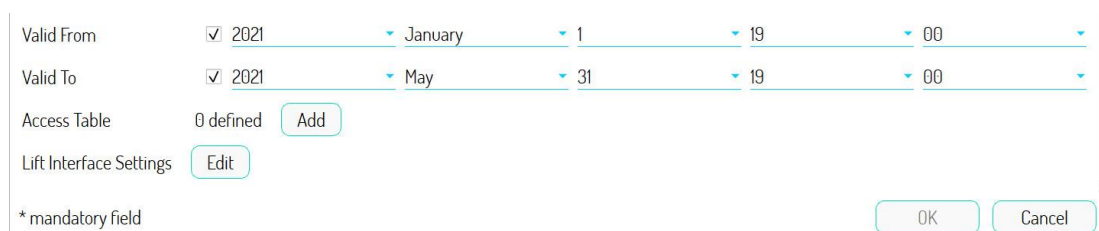


Figure 468: selection of date and time of the period of validity

An important difference is noted on the operation of the *Door Codes* and *Key Codes*. While for residents, the *Door Codes* and the *Key Codes* automatically open the doors associated with the *Call Modules* and *Key Readers* which are on the topological path of the apartment, for non-residents the doors, which the respective *Proximity Keys* and *Door Codes* can open as specified in an external table. This external table can be accessed by pressing the “Add” button in the figure above.

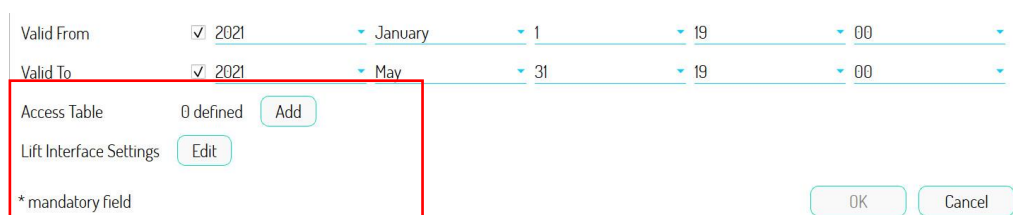


Figure 469: association of gates to non-residents

A screen page opens displaying the various access profiles loaded into the system to be associated with non-residents, or a list of doors that can be opened, if necessary, during a certain time frame:

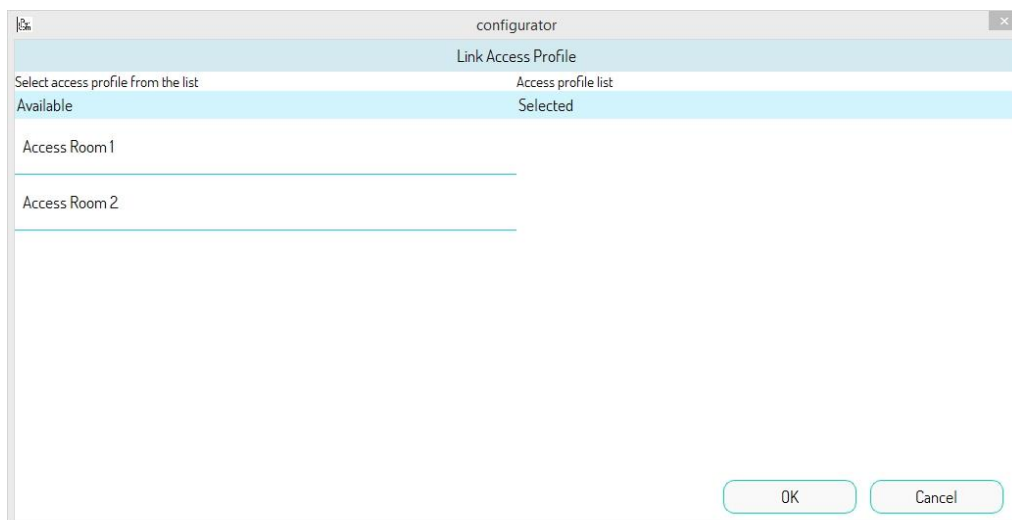


Figure 470: selection of access profiles for non-residents



Access profiles can be created in the "Access Control" tab (see section [Access control](#)).

To associate an access profile to a non-resident, press the relevant name: the access profile will move from the list of available profiles to that of the selected profiles. To delete the association, press the same item in the list of selected profiles.

In conclusion, the creation of non-residents allows giving access (through *Proximity Keys* or *Door Codes*) to external personnel only at the relevant access points with or without time limit. Once you have entered for example 2 non-residents, the list of non-residents in the configuration will appear as shown in the figure:

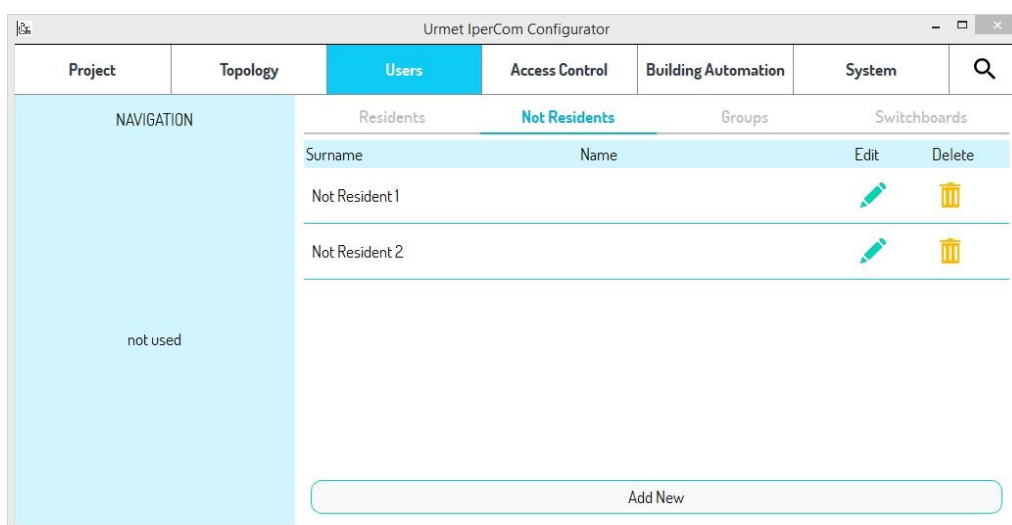


Figure 471: list of non-residents

The buttons in the columns "Edit" and "Delete" allow you to modify the data or delete each user created, respectively (through confirmation pop-up).

The "Lift Interface Settings" button in the red box of [Figure 469](#) allows setting the activations of the lift interface (if present in the system) according to the defined paths (see [Adding a Lift Interface 1060/37 on a stair node](#)).

### 8.1.8.3 Groups

The "Groups" screen allows you to quickly create groups of residents and/or non-residents who have special access needs to certain doors, possibly at specific times.

For example, there could be a "Swimming pool" group to which all those with access to the pool must be added. The group, in turn, should be associated with a "Swimming pool access profile" that allows access to the doors of the pool in the time intervals in which the courses are held. In this way, every time a user enrolls in the course, it is sufficient to add him/her to the corresponding group.

To create the "Swimming pool" group, click on the "Users" tab, then on the "Groups" tab.

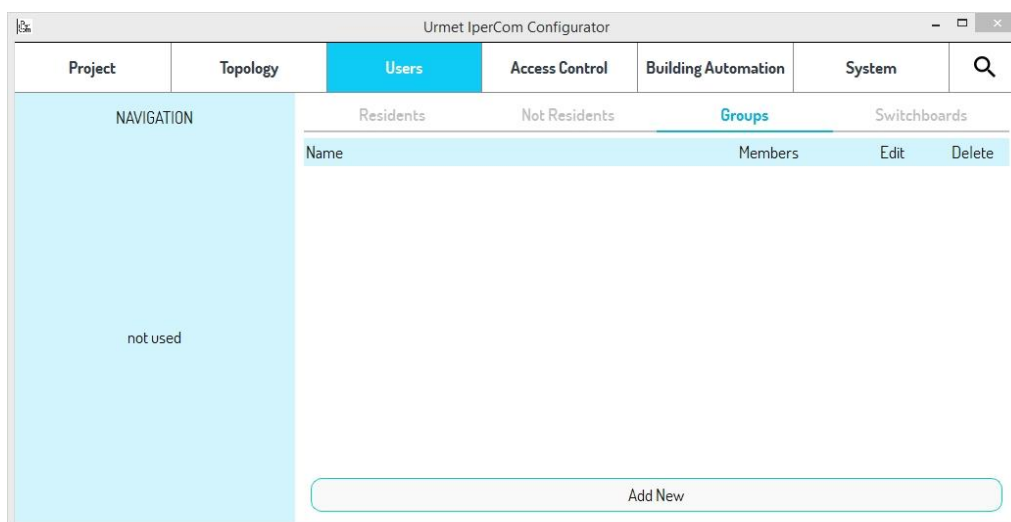


Figure 472: "Groups" screen

Pressing the "Add" button, the following screen appears:

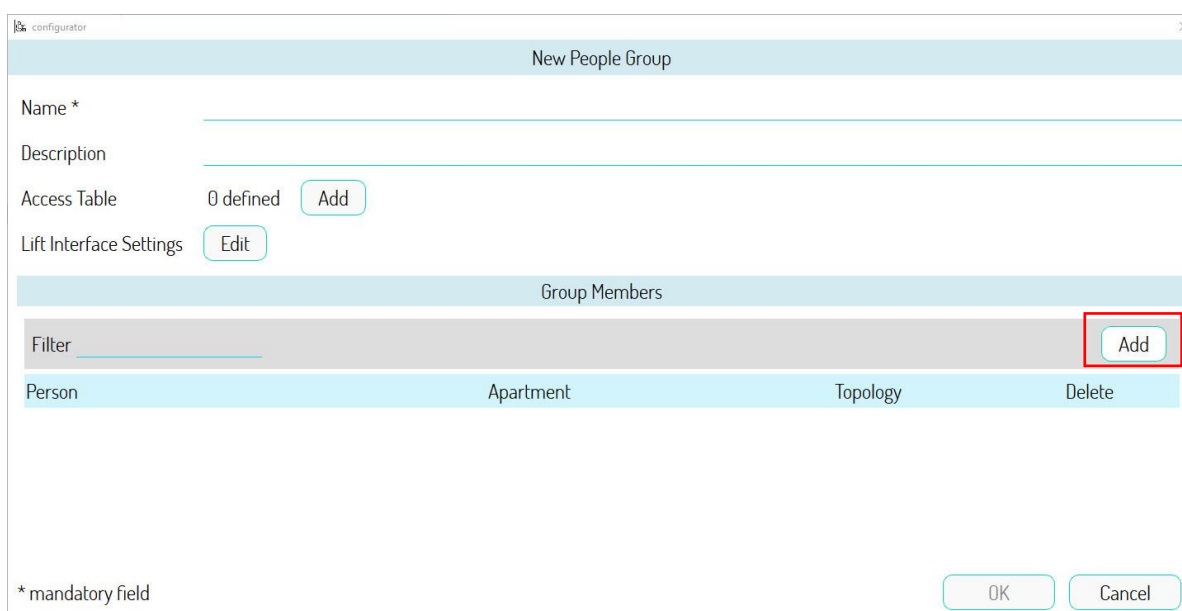


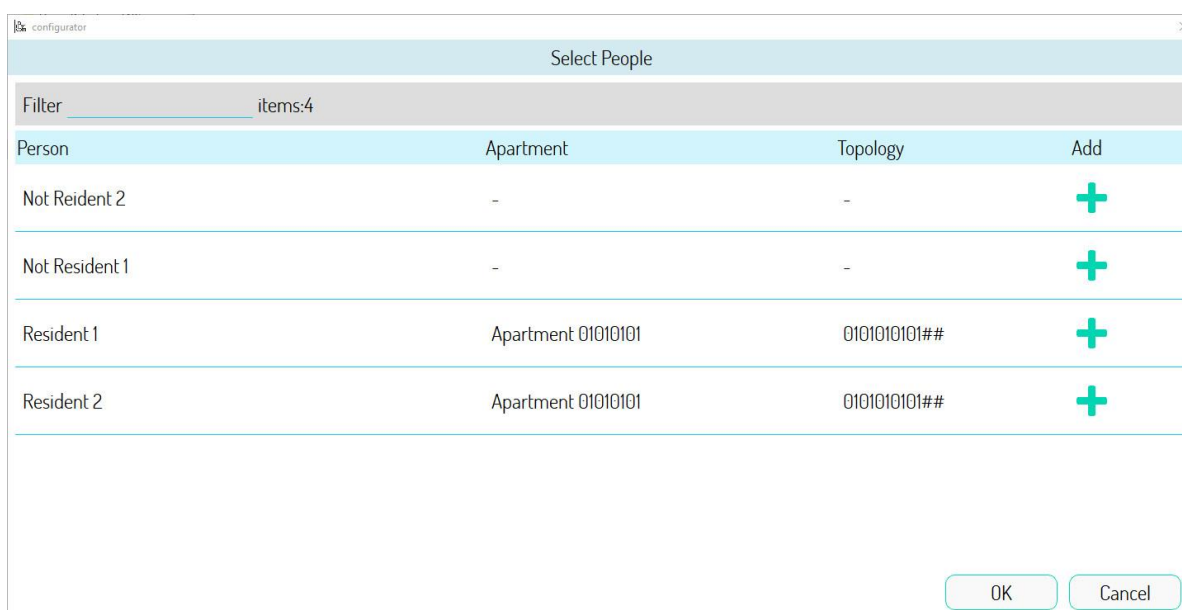
Figure 473: adding a group

The "Name" and "Description" fields allow you to give a meaningful name and description to the group you are creating.

The "Add" button in the "Access Table" section allows you to associate a previously created access profile to the group (see chapter [Access control](#)).


In the "Lift Interface Setting" section, it is possible to set the *Lift Interface* activations (if present in the system) according to the established paths.

To add (for example) residents just press on the "Add" button (red box). The following screen is displayed:




Person	Apartment	Topology	Add
Not Resident 2	-	-	+
Not Resident 1	-	-	+
Resident 1	Apartment 01010101	01010101##	+
Resident 2	Apartment 01010101	01010101##	+

Figure 474: adding users to a group

To add residents, simply press the corresponding button : they disappear from the list above.

The "Filter" field allows you to search for people by name, apartment, and topology according to the string entered in this field.

By pressing the "OK" button, this screen appears:



**New People Group**

Name \*


Description

Access Table 0 defined

Lift Interface Settings

**Group Members**

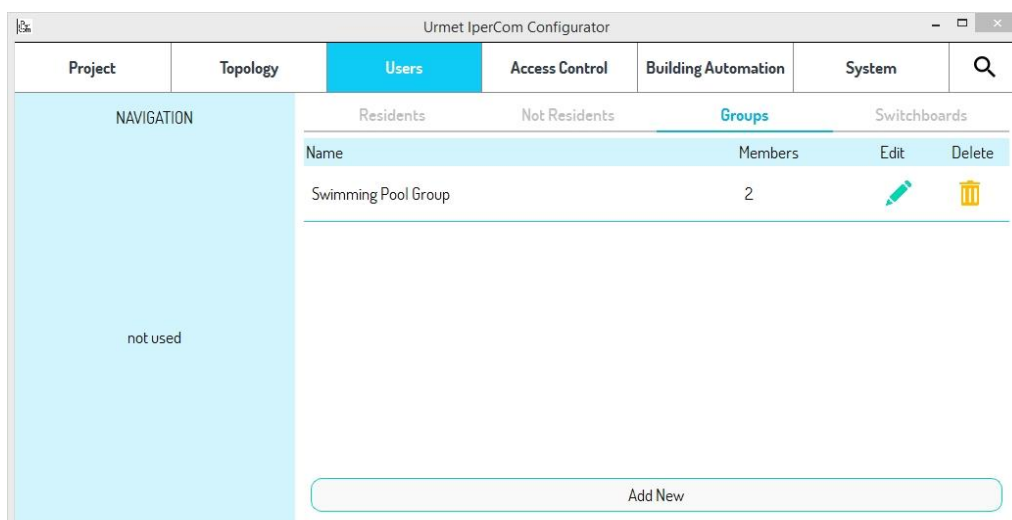
Filter items:2

Person	Apartment	Topology	Delete
Resident 1	Apartment 01010101	01010101##	
Resident 2	Apartment 01010101	01010101##	

\* mandatory field

Figure 475: new group

Then simply give the group a meaningful name and description and confirm with the "OK" button: the group will be added to the list of user groups.





Urmec IperCom Configurator

Project Topology **Users** Access Control Building Automation System

NAVIGATION

Residents Not Residents **Groups** Switchboards

Name	Members	Edit	Delete
Swimming Pool Group	2		

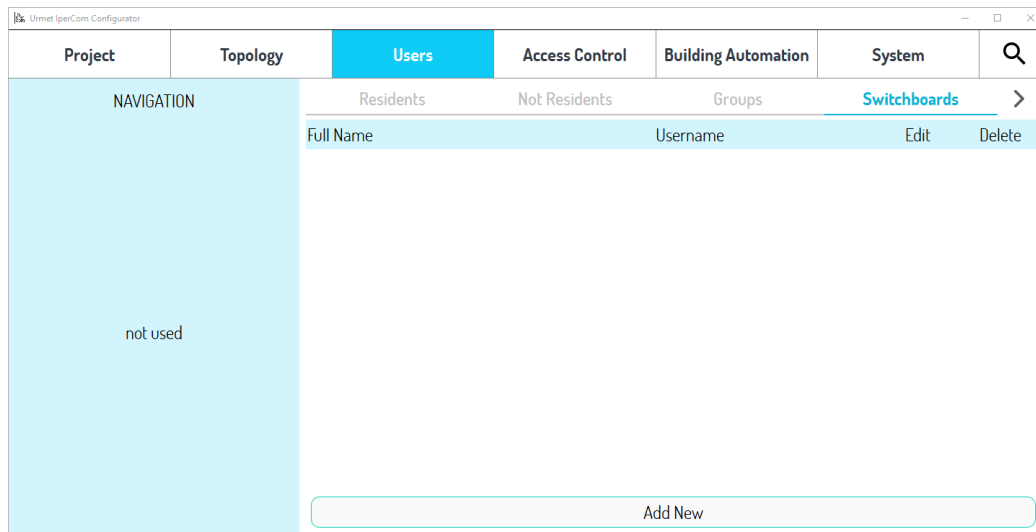
not used

Figure 476: list of groups

The buttons in the columns "Edit" and "Delete" allow you to modify the data or delete each user created, respectively (through confirmation pop-up).

#### 8.1.8.4 Switchboards

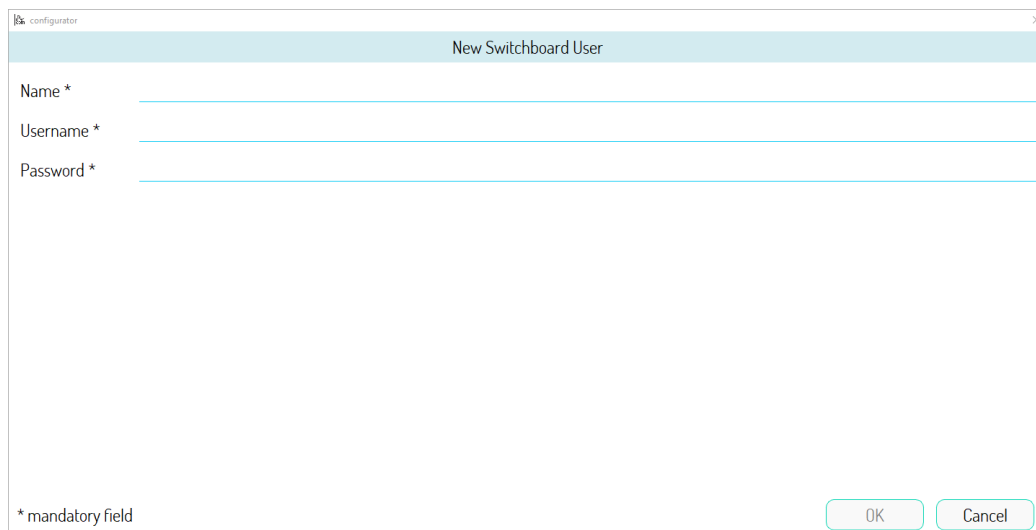
The "Users" ---> "Switchboards" tab allows you to associate a user with one or more Switchboards (1060/41 or 1060/42) present in the system. The screen that appears is the following:



Project	Topology	Users	Access Control	Building Automation	System	Q
NAVIGATION  not used		Residents	Not Residents	Groups	Switchboards	>
		Full Name	Username	Edit	Delete	
		Add New				

Figure 477: "Switchboards" tab

Using the "Add" button you can create a new switchboard user by filling in the fields shown in the figure:



configurator

New Switchboard User

Name \*

Username \*

Password \*

\* mandatory field

OK Cancel

Figure 478: creation of a new switchboard user

After filling in the fields above and pressing the “OK” button, the newly created user is added:

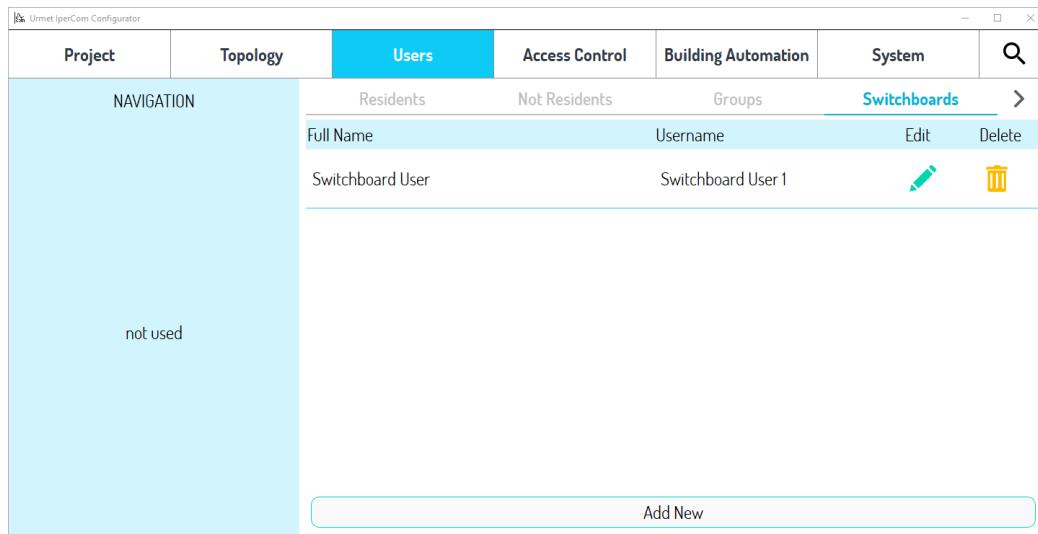


Figure 479: switchboard user added

The buttons in the columns “*Edit*” and “*Delete*” allow you to modify the data or delete each user created, respectively (through confirmation pop-up).

The “*Username*” and “*Password*” fields associated with each switchboard user correspond respectively to the “*User Name*” and “*Password*” fields displayed in the login window to start the application associated to 1060/41 and 1060/42 Switchboards.

The login window for the 1060/41 *Switchboard* is as follows:

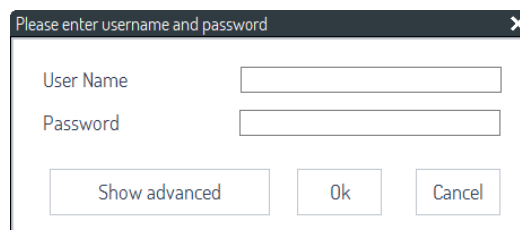


Figure 480: login window for Switchboard 1060/41

The login window for the 1060/42 *Switchboard* is as follows:

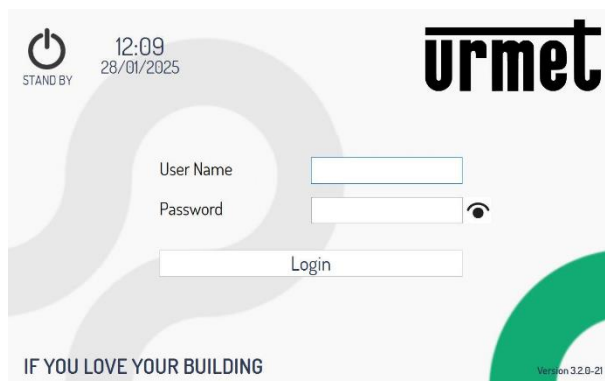


Figure 481: login window for Switchboard 1060/41

For full details on the operation of the 1060/41 *Switchboard*, please refer to [the relevant user and installation manuals](#).

For full details on the operation of the 1060/42 *Switchboard*, please refer to [the relevant user and installation manuals](#).

### 8.1.9 Access control

The *iPerCom* system integrates an **access control service**, which allows the opening of gates (doors, gates, barriers, etc.) by recognising *proximity keys* or entering *door codes*. *Call Modules*, *Entry Panels* 1060/21 and *Key Readers* can be used to open the access. *Call Modules* with 1060/48 and *Entry Panels* 1060/21 integrate a *Proximity Key reader*.

The opening of a door is subject to the recognition of a *Proximity Key* or an access code by a *Call Module*, an *Entry Panel* 1060/21, or a *Key Reader*.

For a *Proximity Key* or access code to be valid and thus able to open a certain access point:

- they must be associated with a user (resident or non-resident);
- they must be associated with the access points to be opened.

This is partially already done automatically by the system through the concept of topology and competence.

Let us supposed to have a building with a block and two stairs like the one shown below:

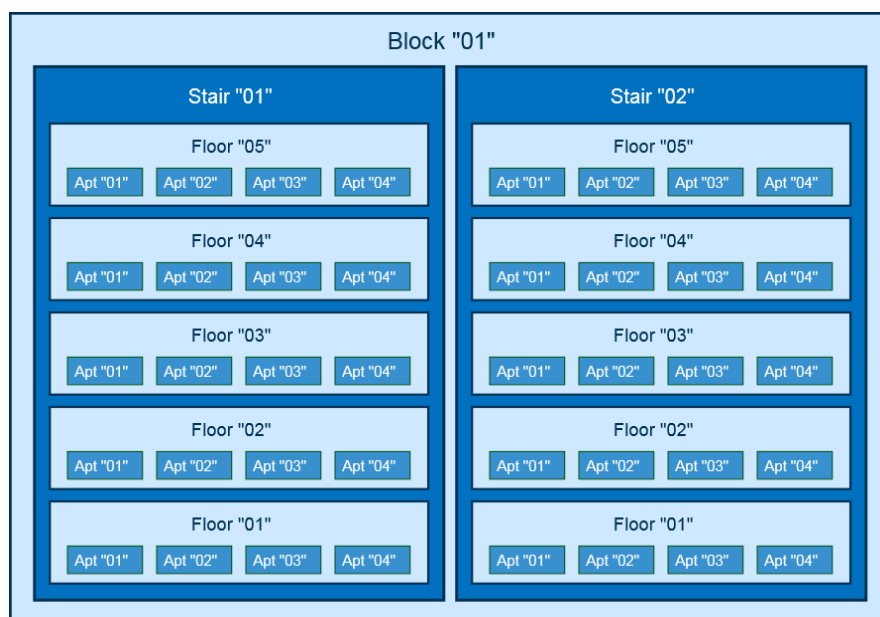


Figure 482: system consisting of a block with two stairs

There is a main *Call Module* on the topological node of Block "01", while there is a *Key Reader* on the topological node of Stair "02".

All residents of Stair "02" are automatically enabled to open the accesses associated with the main *Call Module* and the *Key Reader* with a key code and a door code (both the *Call Module* and the *Key Reader* are on the topological path of these residents).

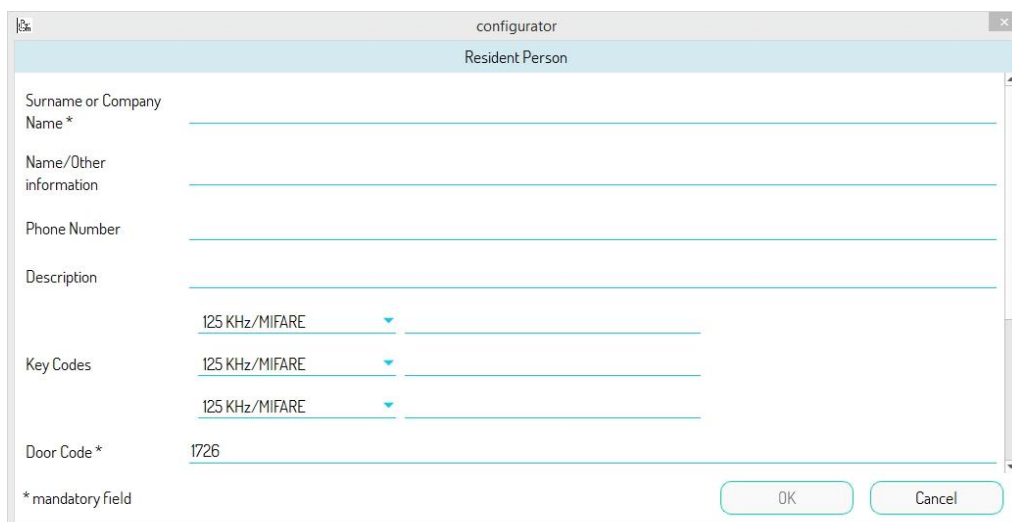


Figure 483: user setting screen

If you want to give the residents of Stair "02" access to other accesses that are not on their topological path (e.g. a *Key Reader* on the topological node of Stairs "01"), you must use the access control service.

### 8.1.9.1 Access profiles

The "Access Profiles" screen is the same as the one that appears when you open the "Access Control" tab.

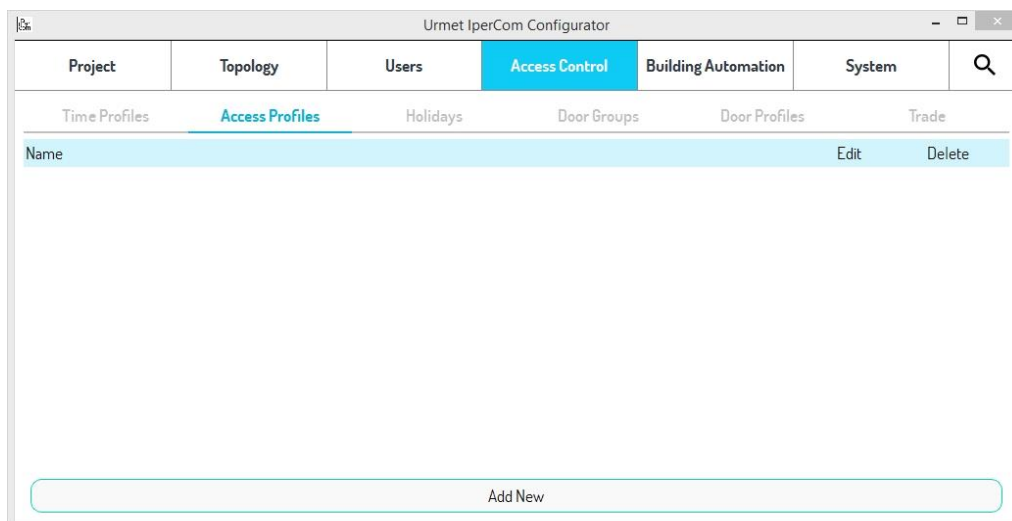


Figure 484: "Access profiles" screen

Access profiles allow to group a set of accesses that a group of users' needs to open in a single rule even if these accesses are not on the topological path of the apartments of these users.

For example, if two *Key Readers* satisfy the two points above, press the "Add" button that opens the following screen to create an access profile with these two accesses:

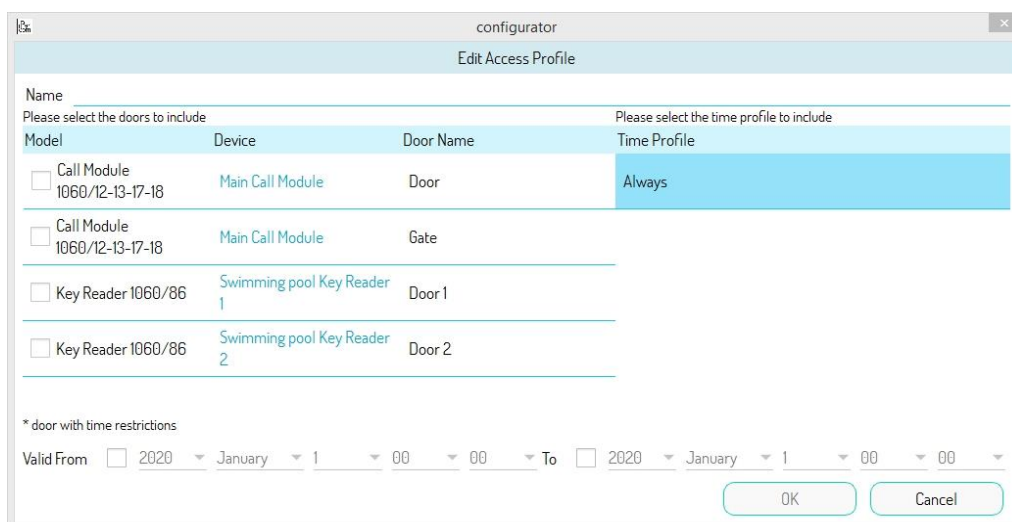
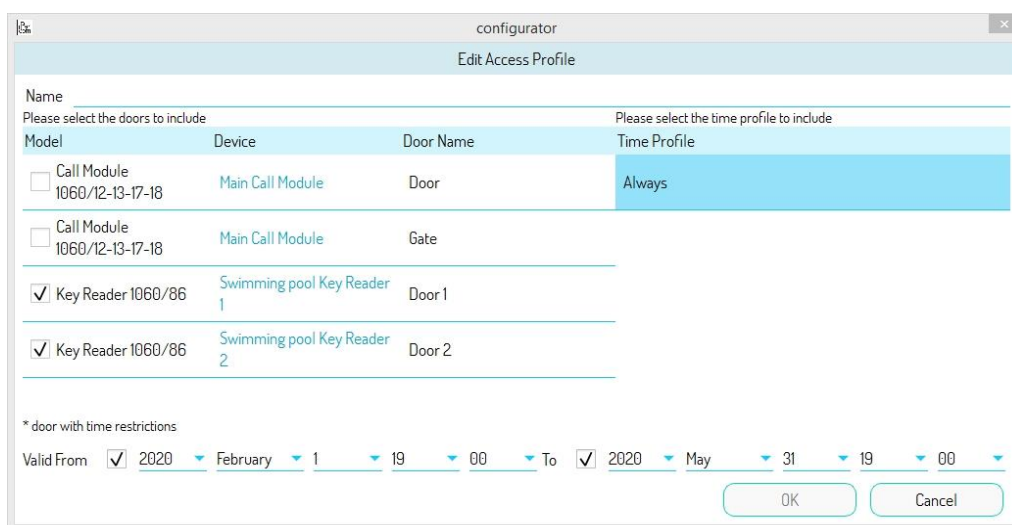


Figure 485: creation of a new access profile

It is necessary to give a name to the access profile that is being created in the "Name" field at the top left, and then select the access points that are part of it by simply pressing on the relevant record (the relevant tick box is selected automatically). It is also possible to assign a time validity to the access profile, i.e. a time interval (year, month, day, hours, and minutes) in which access to the access points is valid. Instead, in the "Time Profile" column, an access time limit is defined during the validity period; by default, "Always" is selected, but custom settings can be created (for example, only for weekdays or holidays), as shown in paragraph "[Time Profiles](#)".

For example, if the two access points associated with the *Key Readers* give access to a swimming pool in the summer, it is possible to set the name and time validity as shown in the following figure:



Model	Device	Door Name	Time Profile
<input type="checkbox"/> Call Module 1060/12-13-17-18	Main Call Module	Door	Always
<input type="checkbox"/> Call Module 1060/12-13-17-18	Main Call Module	Gate	
<input checked="" type="checkbox"/> Key Reader 1060/86	Swimming pool Key Reader 1	Door 1	
<input checked="" type="checkbox"/> Key Reader 1060/86	Swimming pool Key Reader 2	Door 2	

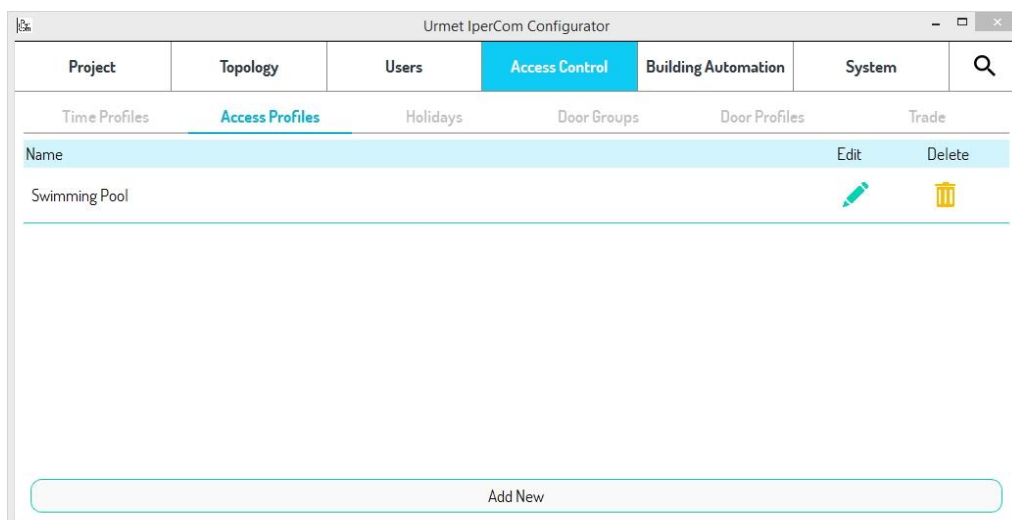
\* door with time restrictions

Valid From ☒ 2020 February 1 19:00 To ☒ 2020 May 31 19:00

OK Cancel

Figure 486: setting the access profile

By pressing the "OK" button, the profile is saved and added to the access profile list.





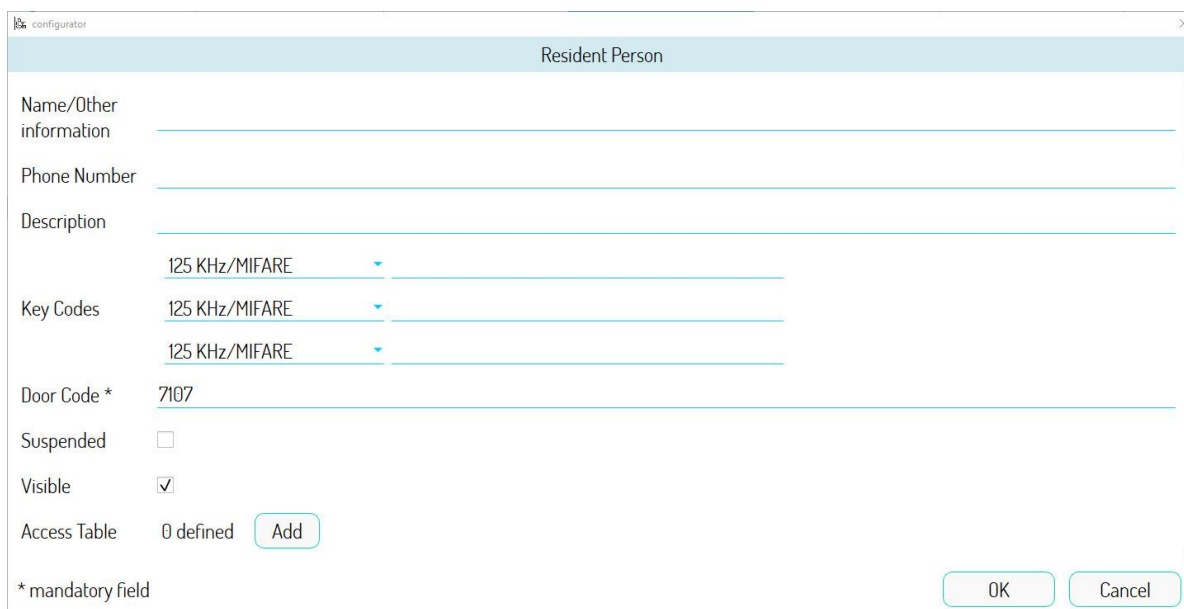
Project	Topology	Users	Access Control	Building Automation	System	Search
Time Profiles   <b>Access Profiles</b>   Holidays   Door Groups   Door Profiles   Trade						
Name						Edit   Delete
Swimming Pool						 
Add New						

Figure 487: list of the created access profiles

In the “Access profiles” screen page, the buttons in the columns “Edit” and “Delete” allow you to modify the data or delete each access profile created, respectively (through confirmation pop-up).

Each resident/non-resident can be assigned an access profile during the user creation/editing phase:

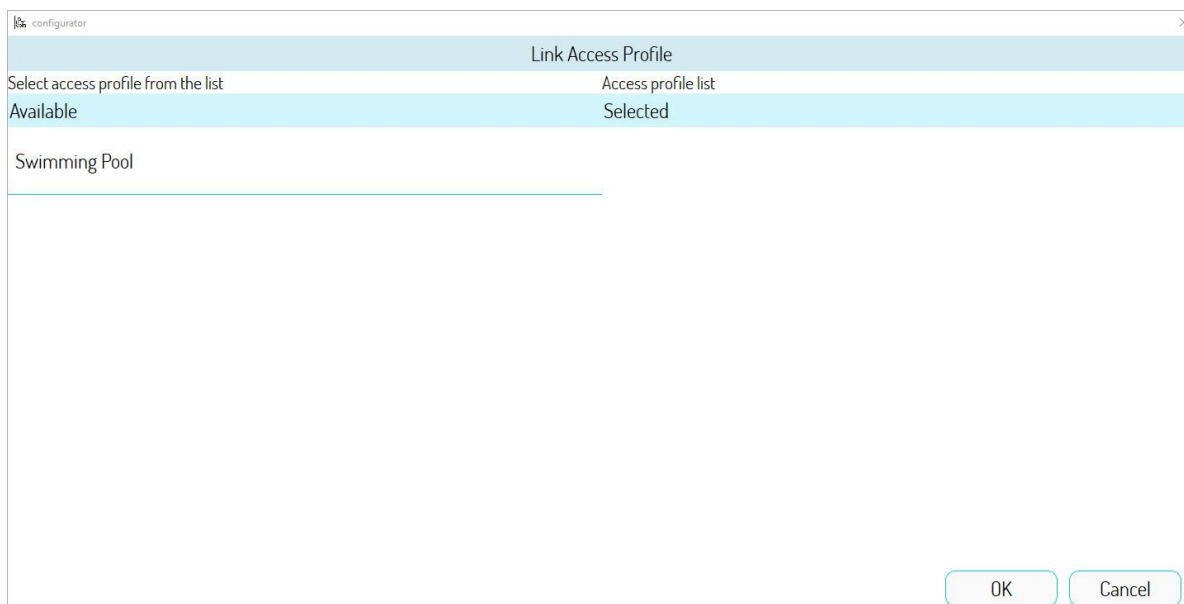


The screenshot shows a window titled "Resident Person" with the following fields and controls:

- Name/Other information: Text input field
- Phone Number: Text input field
- Description: Text input field
- Key Codes: Three dropdown menus, each showing "125 KHz/MIFARE"
- Door Code \*: Text input field with value "7107"
- Suspended: Checkbox (unchecked)
- Visible: Checkbox (checked)
- Access Table: Shows "0 defined" and an "Add" button
- \* mandatory field: Label at the bottom left
- OK and Cancel buttons: At the bottom right

Figure 488: resident editing screen di un residente

By pressing the “Add” button in the “Access Table” section, the following screen page will open.



The screenshot shows a window titled "Link Access Profile" with the following layout:

- Header: "Link Access Profile"
- Left Column: "Available" list containing "Swimming Pool"
- Right Column: "Access profile list" with a "Selected" header and an empty list area
- Buttons: "OK" and "Cancel" at the bottom right

Figure 489: list of access profiles

The access profiles available are listed on the left, while those already selected for the concerned user are listed on the right.

By selecting an item on the left, it will be moved automatically to the right list.

Assuming you want to select the previously created access profile, you get the following:

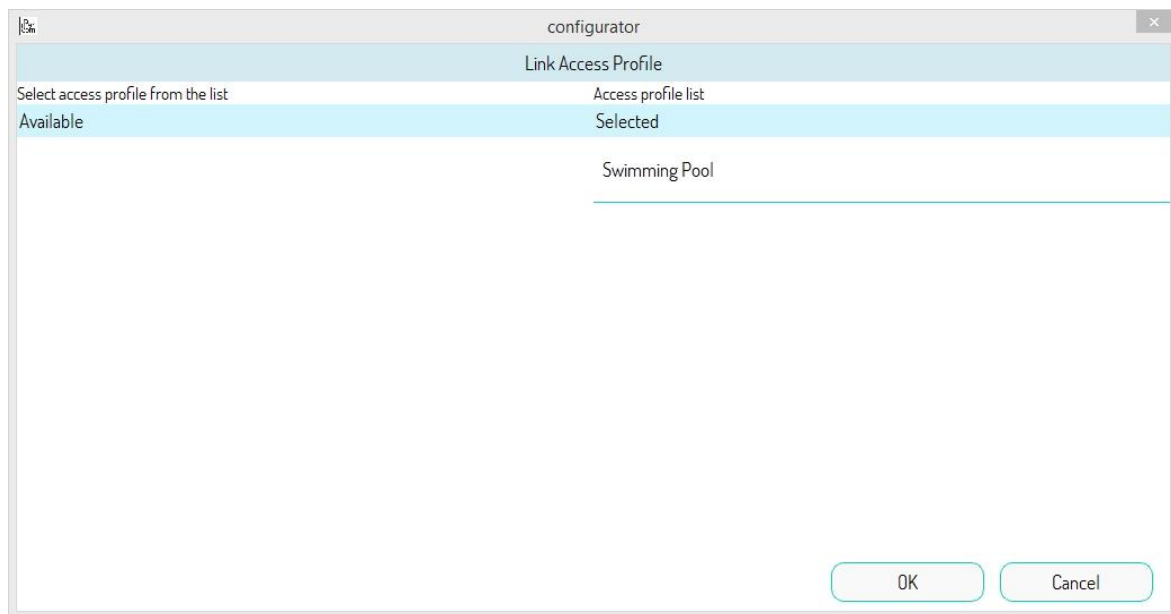


Figure 490: selection of an access profile

Press the "OK" button to automatically associate the access profile with the created user:

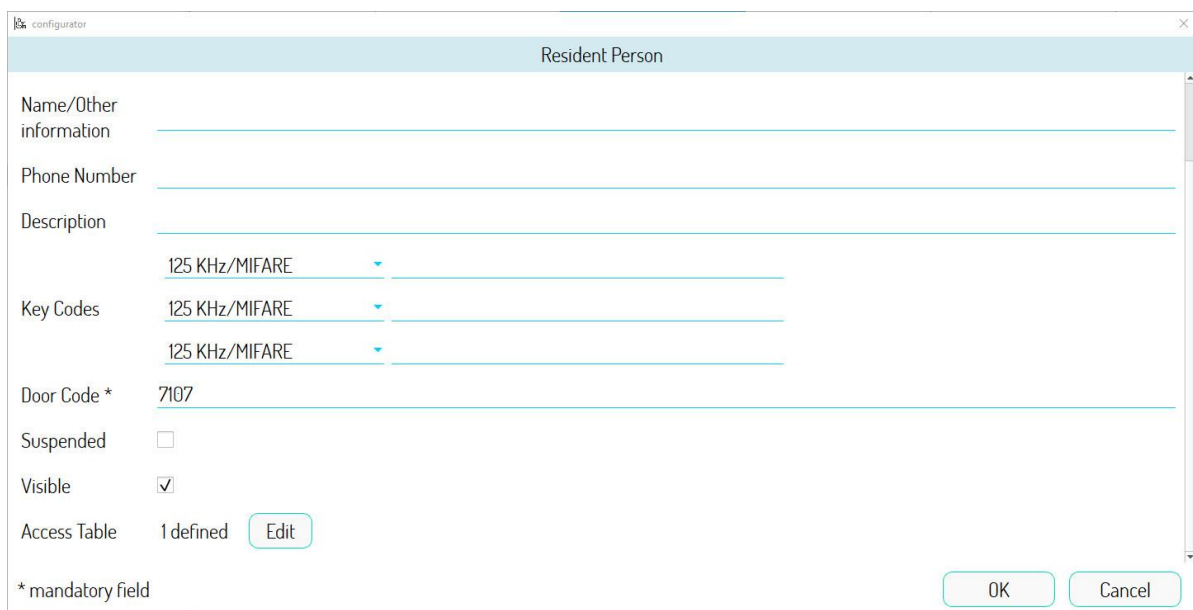


Figure 491: association of access profile to resident



*An access profile must be associated with a resident or non-resident or user group to be effective. If this association is not made, the access profiles are not applied.*

### 8.1.9.2 Time Profiles

A **time profile** is a set of time intervals for the validity of accesses.

To manage time profiles, go to the "Access Control" tab, then click on the "Time Profiles" tab.

The following screen will open:

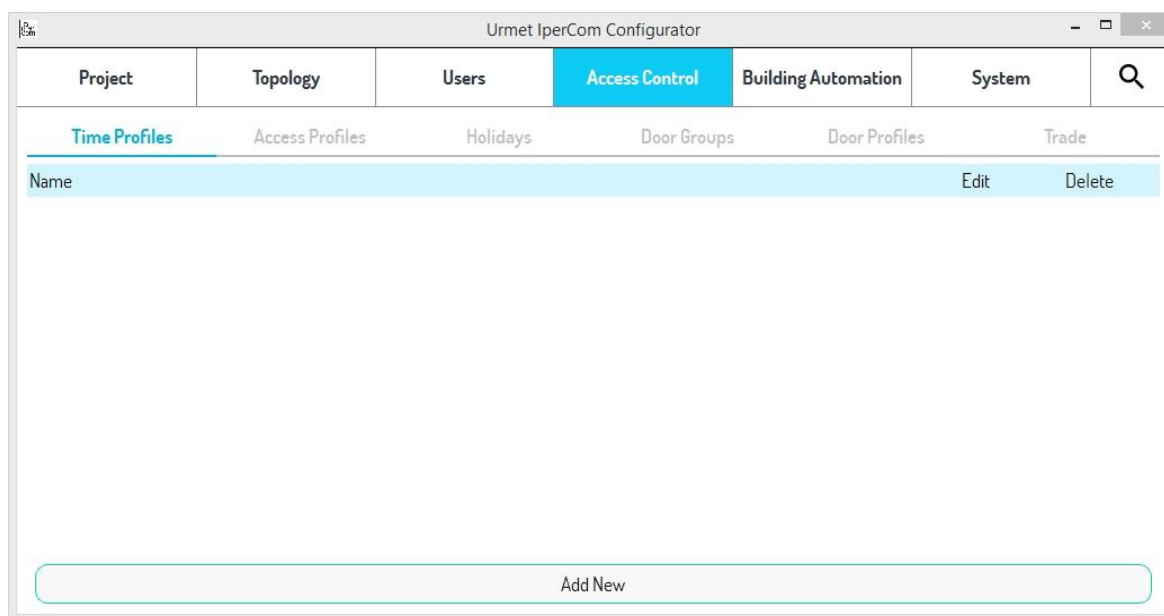


Figure 492: "Time profiles" screen

By pressing the "Add New" button it is possible to create a time profile associated with the days of the week.

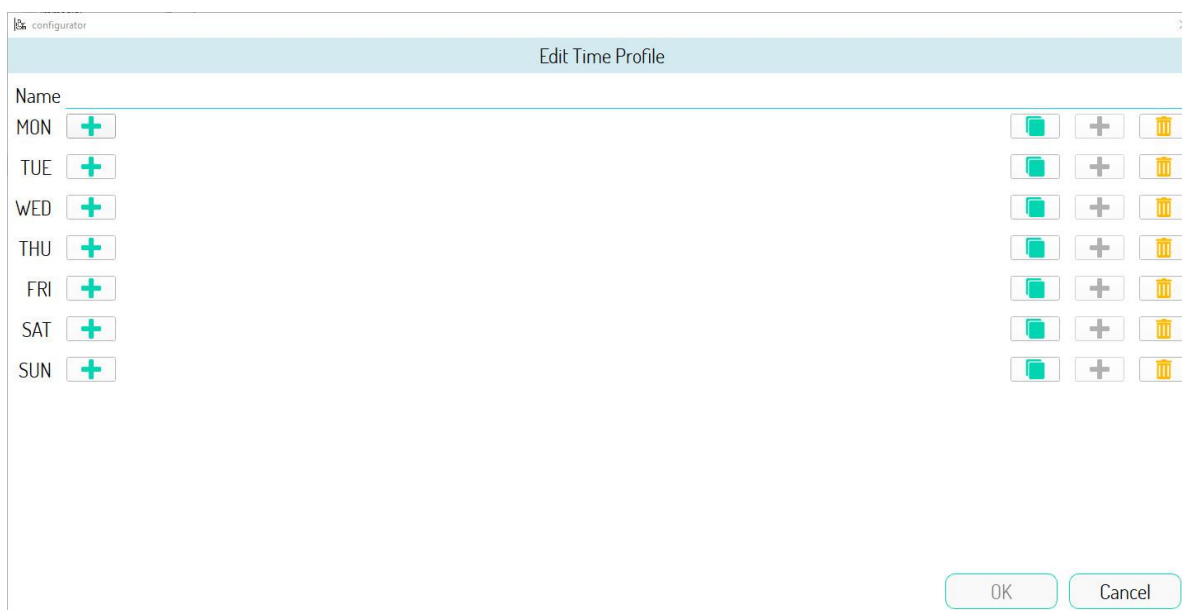


Figure 493: "Time profile" creation screen

Up to three access time intervals can be created for each day.






To create a new time interval, press button  to open the following screen:

Figure 494: creation of a time interval

After setting the time interval and pressing the "OK" button, the interval will be added to the selected day, as shown in the following figure:

Figure 495: time interval added to the selected day

The buttons “” and “” allow you to quickly copy the time interval you have just created for all the other days of the week: in fact, if you press the button “” on Monday, you enable the buttons “” of the other days, which allow you to do what just described.

For example, copying the time interval set for Monday (“*MON*”) and pasting it in the line corresponding to Thursday (“*THU*”), the result will be as follows.

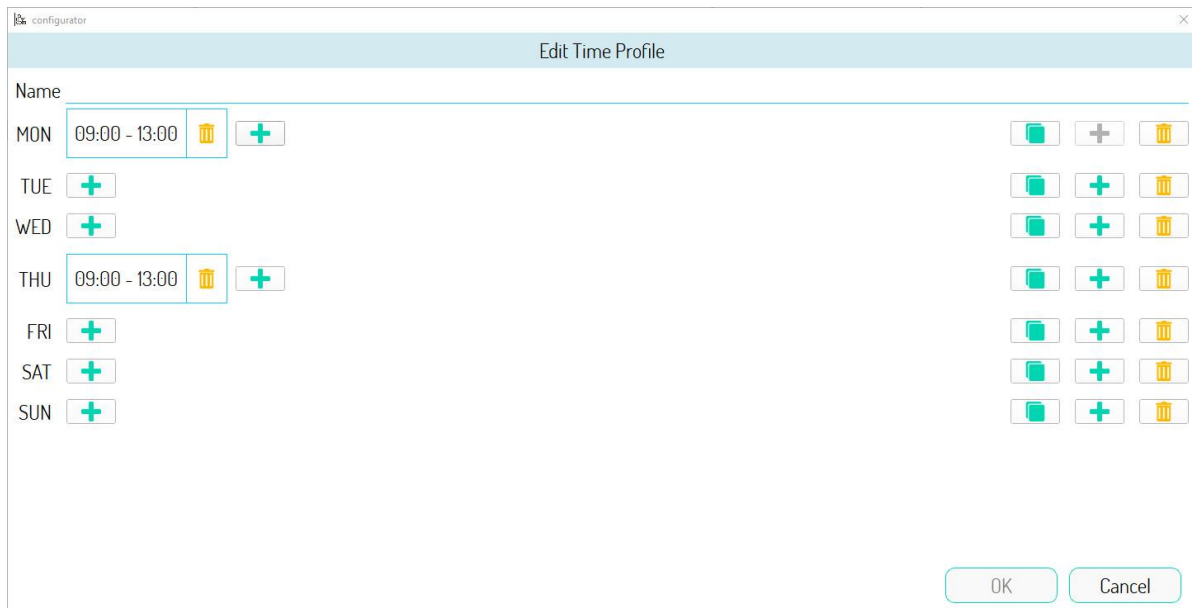




Figure 496: copying and pasting the time intervals of a day

The  button (at the right) allows deleting all previously created time intervals for one day of the week.

The  button (at the left) allows you to delete a single time interval created.

After naming the time profile and pressing the "OK" button, the new time profile will be added to the time profile list.

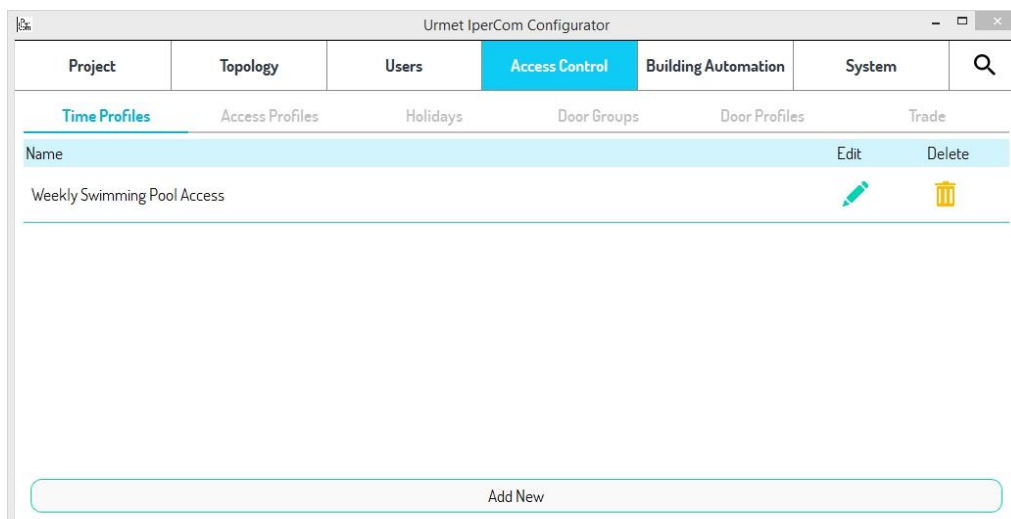


Figure 497: list of the created time profiles

The buttons in the columns "Edit" and "Delete" allow you to modify the data or delete each time profile created, respectively (through confirmation pop-up).

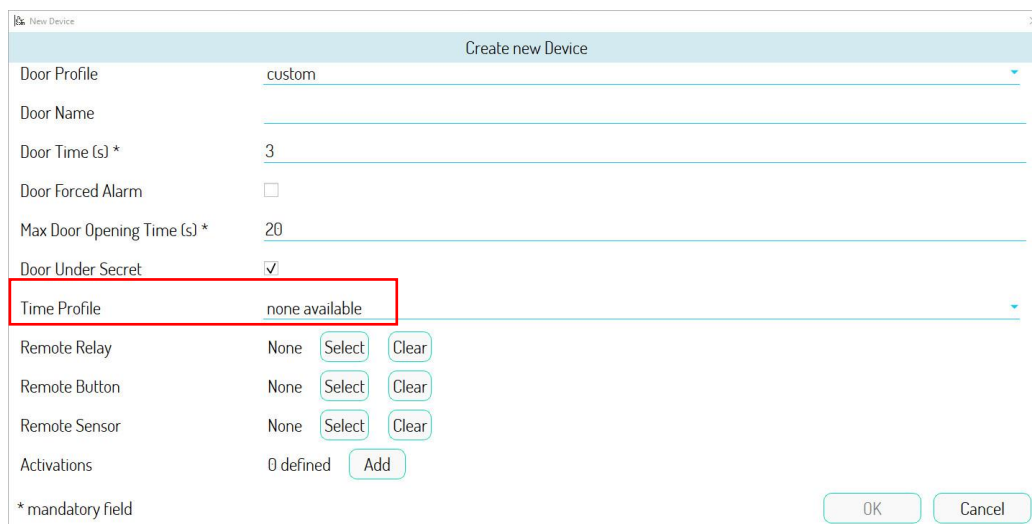
If you want to associate the time profile "Weekly Swimming Pool Access" to the previously saved access profile, simply reopen the latter in edit mode and select the created time profile, as shown in the following figure:



Figure 498: selection of the new time profile in the saved access profile

A time profile may also be associated with a single access as well as an access profile if the concerned access has time restrictions. To do this, you need to go to the "Topology" page, then to the "Devices" tab. Press the "Edit" button of the device, the access of which must be associated with a time profile and search for the "Time Profile" item of the concerned access.

For example, if you want to associate a time profile to a *Key Reader* access point, you will see the following screen, where no time profile is set.



The screenshot shows a 'Create new Device' window with the following fields and values:

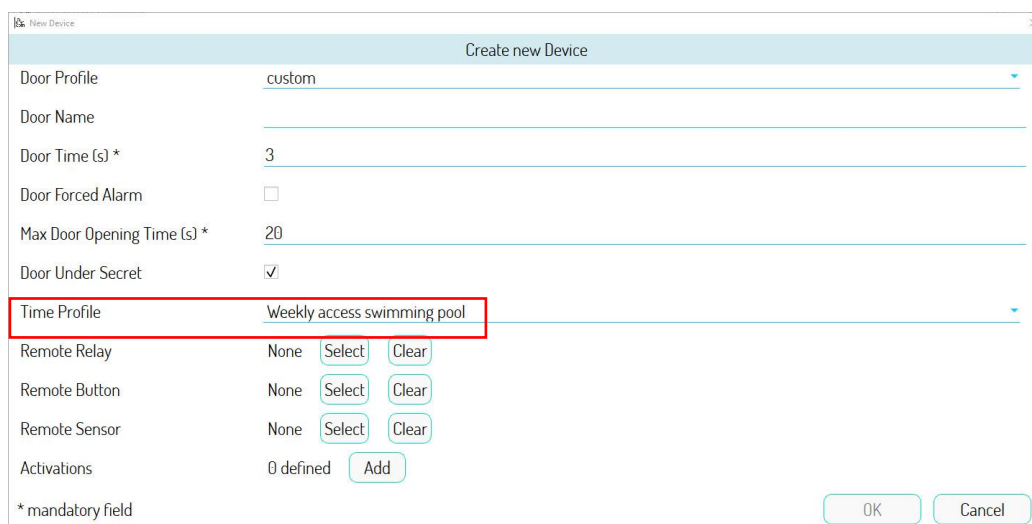
Door Profile	custom
Door Name	
Door Time (s) *	3
Door Forced Alarm	<input type="checkbox"/>
Max Door Opening Time (s) *	20
Door Under Secret	<input checked="" type="checkbox"/>
Time Profile	none available
Remote Relay	None <input type="button" value="Select"/> <input type="button" value="Clear"/>
Remote Button	None <input type="button" value="Select"/> <input type="button" value="Clear"/>
Remote Sensor	None <input type="button" value="Select"/> <input type="button" value="Clear"/>
Activations	0 defined <input type="button" value="Add"/>

\* mandatory field

OK Cancel

Figure 499: time profile not set

To associate a previously created one, click on the respective drop-down menu to open a screen with all the created time profiles. After selecting one and pressing the "OK" button, the following screen will appear:



The screenshot shows the same 'Create new Device' window as Figure 499, but with the 'Time Profile' field set to 'Weekly access swimming pool'.

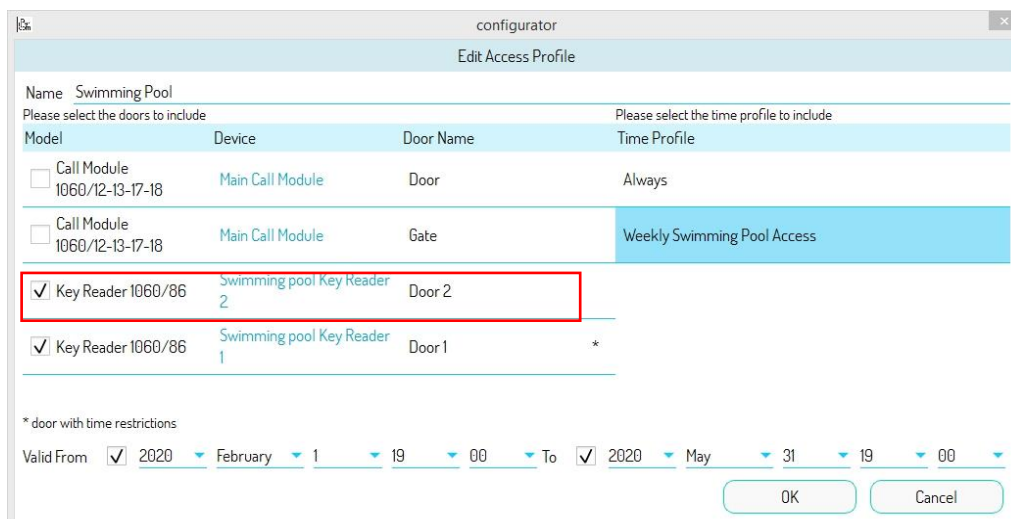
Door Profile	custom
Door Name	
Door Time (s) *	3
Door Forced Alarm	<input type="checkbox"/>
Max Door Opening Time (s) *	20
Door Under Secret	<input checked="" type="checkbox"/>
Time Profile	Weekly access swimming pool
Remote Relay	None <input type="button" value="Select"/> <input type="button" value="Clear"/>
Remote Button	None <input type="button" value="Select"/> <input type="button" value="Clear"/>
Remote Sensor	None <input type="button" value="Select"/> <input type="button" value="Clear"/>
Activations	0 defined <input type="button" value="Add"/>

\* mandatory field

OK Cancel

Figure 500: set time profile

If a time profile is associated with a generic access, it appears with an asterisk when creating an access profile:



configurator

Edit Access Profile

Name Swimming Pool

Please select the doors to include

Model	Device	Door Name	Time Profile
<input type="checkbox"/> Call Module 1060/12-13-17-18	Main Call Module	Door	Always
<input type="checkbox"/> Call Module 1060/12-13-17-18	Main Call Module	Gate	Weekly Swimming Pool Access
<input checked="" type="checkbox"/> Key Reader 1060/86	Swimming pool Key Reader 2	Door 2	
<input checked="" type="checkbox"/> Key Reader 1060/86	Swimming pool Key Reader 1	Door 1	*

\* door with time restrictions

Valid From ☒ 2020 February 1 19 00 To ☒ 2020 May 31 19 00

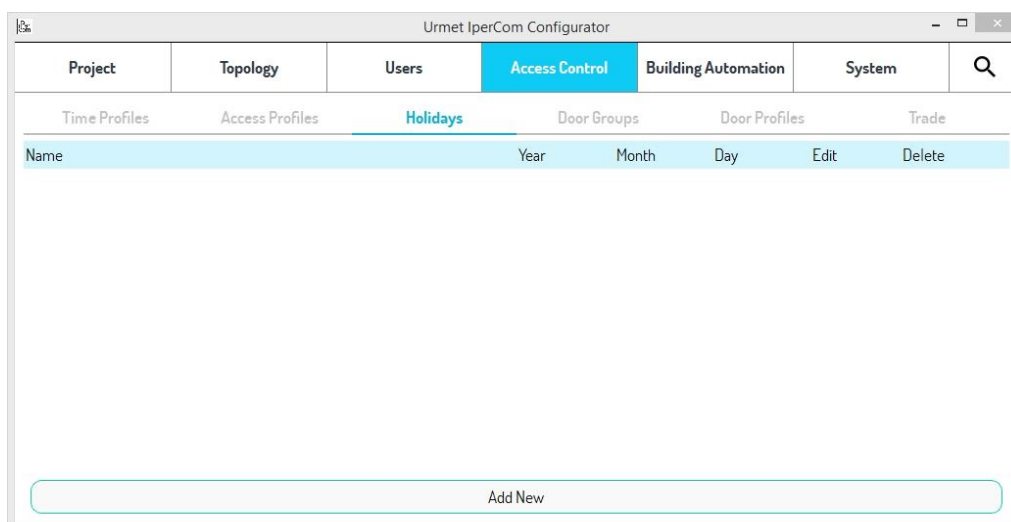
OK Cancel

Figure 501: door with associated time profile

### 8.1.9.3 Holidays

**Holidays** allow you to define one or more dates of the year (e.g. Christmas) on which to alter a previously created time profile. In other words, they allow you to create exceptions in a weekly schedule.

To create a holiday, go to the "Access Control" page and then press the "Holiday" tab. The following page will appear:



Name	Year	Month	Day	Edit	Delete
Add New					

Figure 502: "Holidays" screen

Pressing the "Add New" button you can create a holiday by defining the following fields:

- "Name": significant name to give to the festivity;
- "Year": field not mandatory. If not set, the exception (i.e. the holiday) that is being created is valid for each year;
- "Month": mandatory field;
- "Day": mandatory field.

If, for example, you want to set a public holiday on the 25th December of each year, the choices to make are as follows:

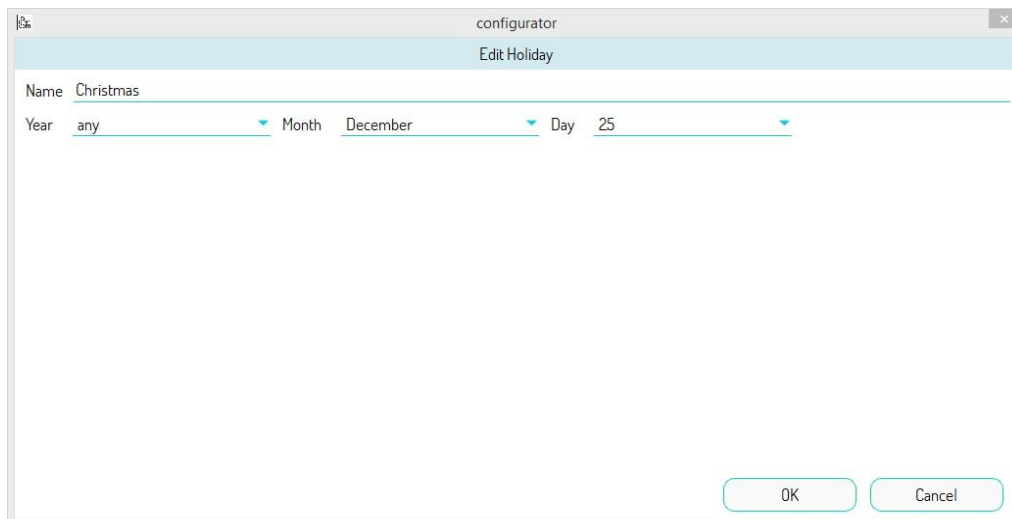


Figure 503: set holiday

Press "OK" to see a summary of the choices made:

Urmot IperCom Configurator

Project

Topology

Users

Access Control

Building Automation

System

Time Profiles

Access Profiles

Holidays

Door Groups

Door Profiles

Trade

Name

Year

Month

Day

Edit


Delete


Christmas

any

12

25





Add New

Figure 504: created holiday

At this point, the following screen will appear when opening a previously created time profile, for example, where you can set a new time profile for the 25th of December of each year, as seen in the previous paragraph:

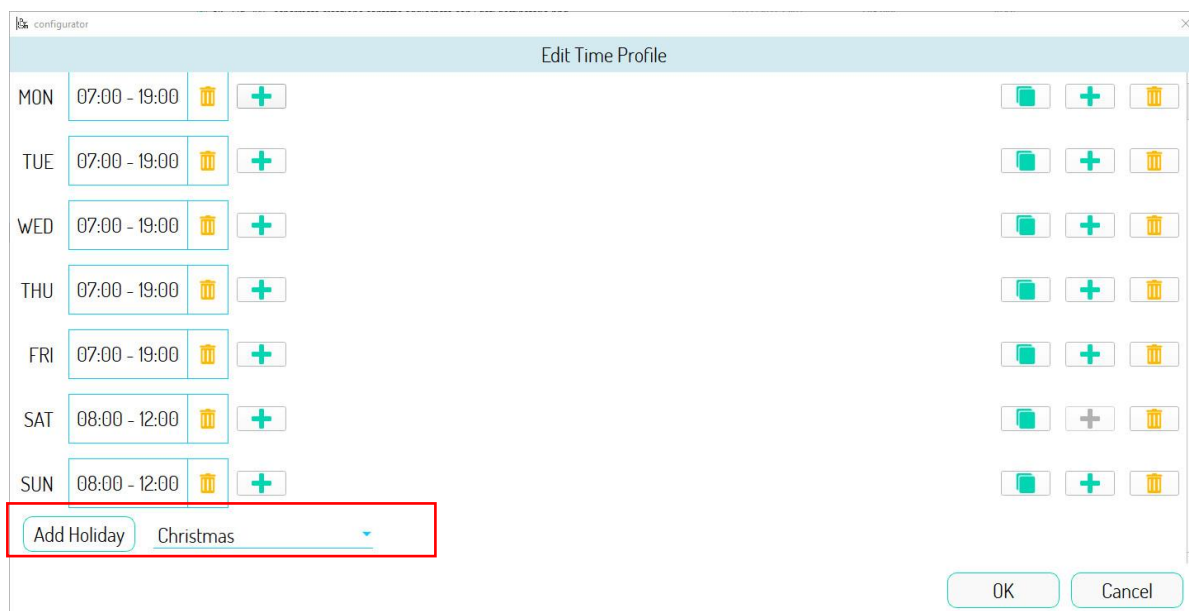


Figure 505: time profile with the possibility of adding a holiday

Press "Add Holiday" to open the following page:

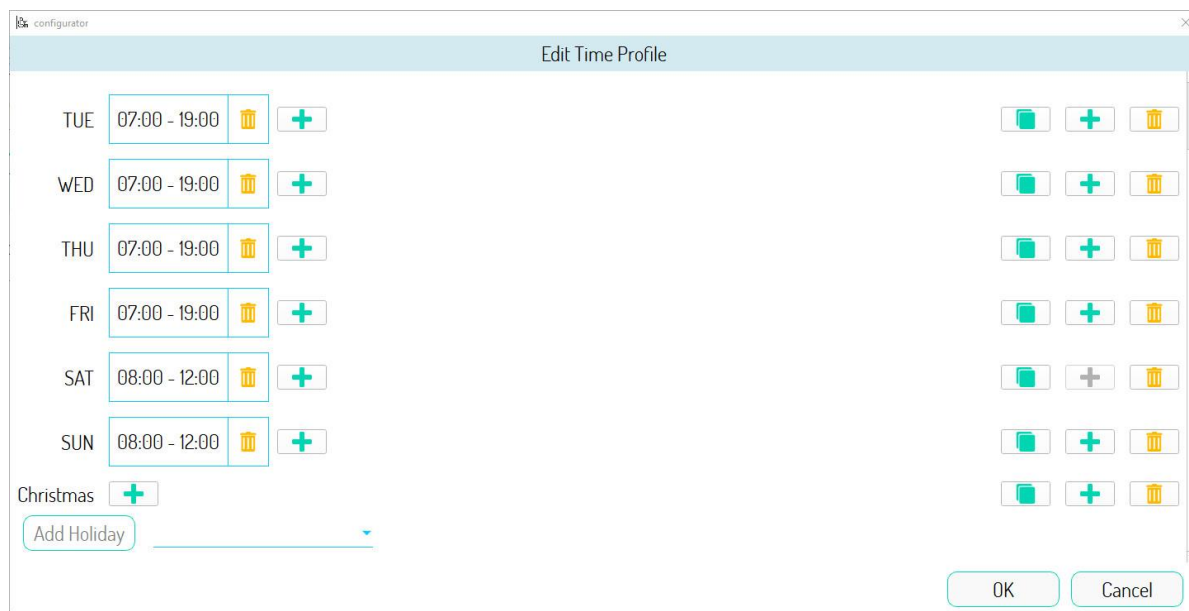

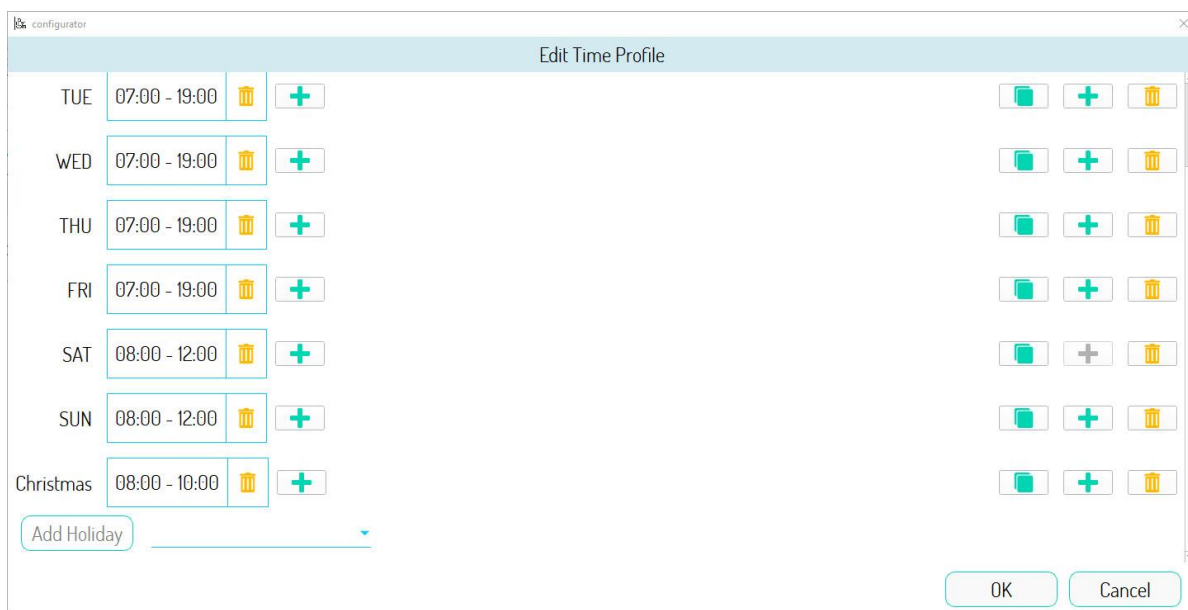


Figure 506: holiday added without setting any time

By pressing button  it is possible to create up to three-time intervals within the holiday period.

Assuming you want to create a single interval from 8 to 10, the following page will appear:



Day	Time Interval	Actions
TUE	07:00 - 19:00	[Trash] [Add]
WED	07:00 - 19:00	[Trash] [Add]
THU	07:00 - 19:00	[Trash] [Add]
FRI	07:00 - 19:00	[Trash] [Add]
SAT	08:00 - 12:00	[Trash] [Add]
SUN	08:00 - 12:00	[Trash] [Add]
Christmas	08:00 - 10:00	[Trash] [Add]

Add Holiday [Dropdown]

OK Cancel

Figure 507: additional holidays with timetables

The "OK" button confirms the changes made. In this way, the time profile followed on the day of the week coinciding with December 25th will be the one set in the newly created holiday, i.e. from 08:00 to 10:00.



*If the holiday is added without any time slot, entry will not be allowed for the entire day of the week coinciding with the holiday.*

#### 8.1.9.4 Door groups

The **door group** is a set of doors that must obey the same rules, have the same temporal validity and the same temporal profile. The **Doors Group** function is useful if a group of people needs to access a group of doors in the same way.

To create a group of doors, go to the "Door Groups" screen in the "Access Control" tab. Once a group of doors has been created, it will be shown in the list of doors on the "Access Profiles" screen.

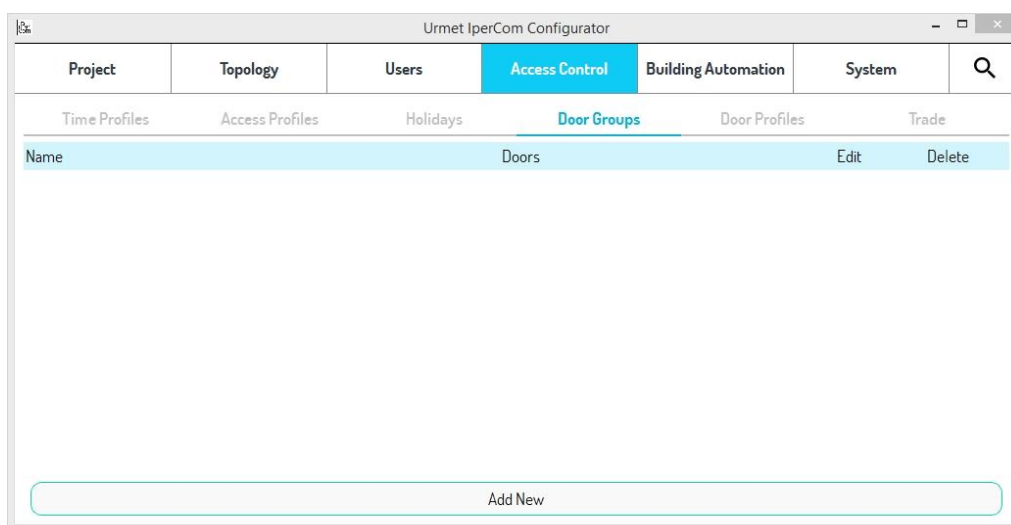


Figure 508: "Door Groups" screen

By pressing the "Add New" button a creation screen opens with a list of all available doors.



Figure 509: Screen of the door group creation

To create a group of doors, it is necessary to assign a name and select the desired doors: these are moved to a list on the right to form the desired list of doors.



Figure 510: selection of desired doors

To delete a door from the list, simply select it: it will be moved back to the list on the left.

Press the "OK" button to confirm the creation of the group of doors, which will appear in the "Door Groups" list.

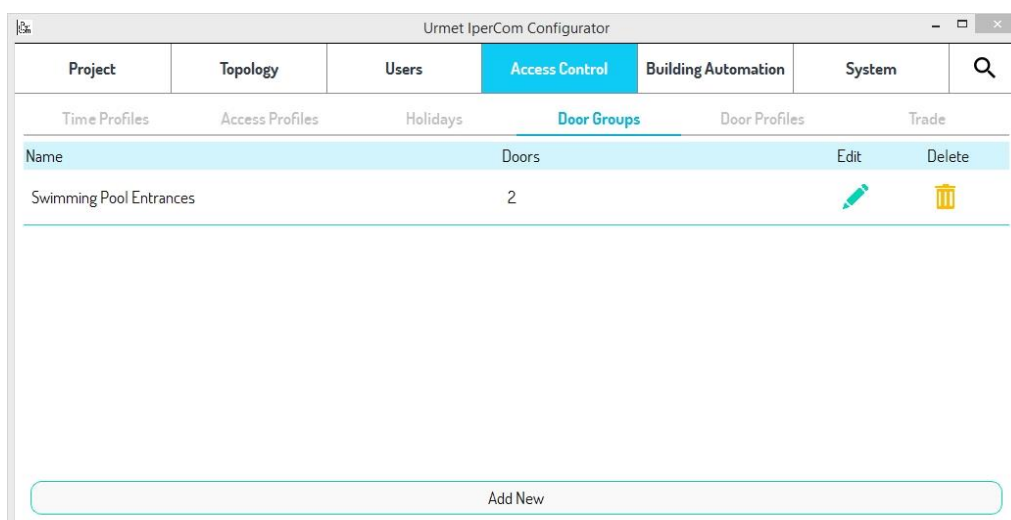
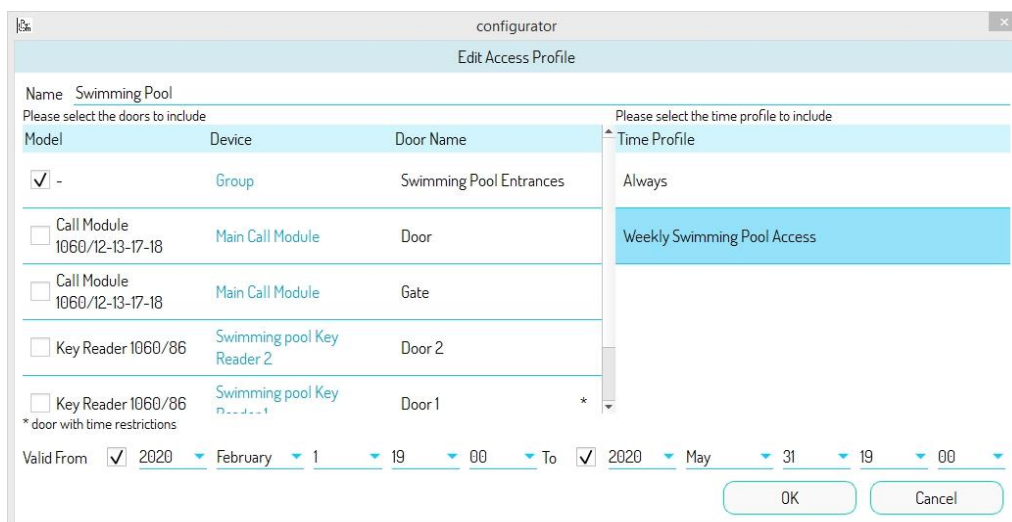


Figure 511: list of the created door groups

The buttons in the columns "Edit" and "Delete" allow you to modify the data or delete each door group created, respectively (through confirmation pop-up).

If you want to use the "Swimming pool doors" door group in the previously saved access profile, simply open it again and select as door group the group "Swimming pool doors" instead of the previously selected *Key Readers*.



configurator

Edit Access Profile

Name: Swimming Pool

Please select the doors to include

Model	Device	Door Name
<input checked="" type="checkbox"/> -	Group	Swimming Pool Entrances
<input type="checkbox"/> Call Module 1060/12-13-17-18	Main Call Module	Door
<input type="checkbox"/> Call Module 1060/12-13-17-18	Main Call Module	Gate
<input type="checkbox"/> Key Reader 1060/86	Swimming pool Key Reader 2	Door 2
<input type="checkbox"/> Key Reader 1060/86	Swimming pool Key Reader 1	Door 1

\* door with time restrictions

Please select the time profile to include

Time Profile

Always

Weekly Swimming Pool Access

Valid From ☒ 2020 February 1 19 00 To ☒ 2020 May 31 19 00

OK Cancel

Figure 512: selection of the new door group in the saved access profile

#### 8.1.9.5 Door profiles

A **Door Profile** is a set of parameters that define the behaviour of a generic door.

This functionality is useful if there are several doors in the system which must comply with the same rules. Instead of applying the set of rules several times to different doors, it is sufficient to create the set of rules once and then apply it to the individual doors.

To create an access profile, go to the "Access Control" page and then press the "Door Profiles" tab. The following page will appear:

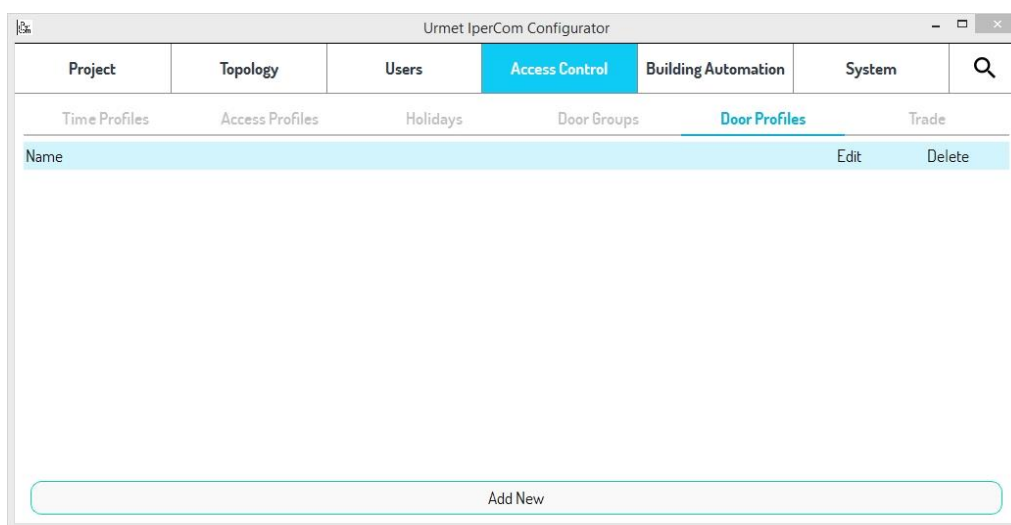


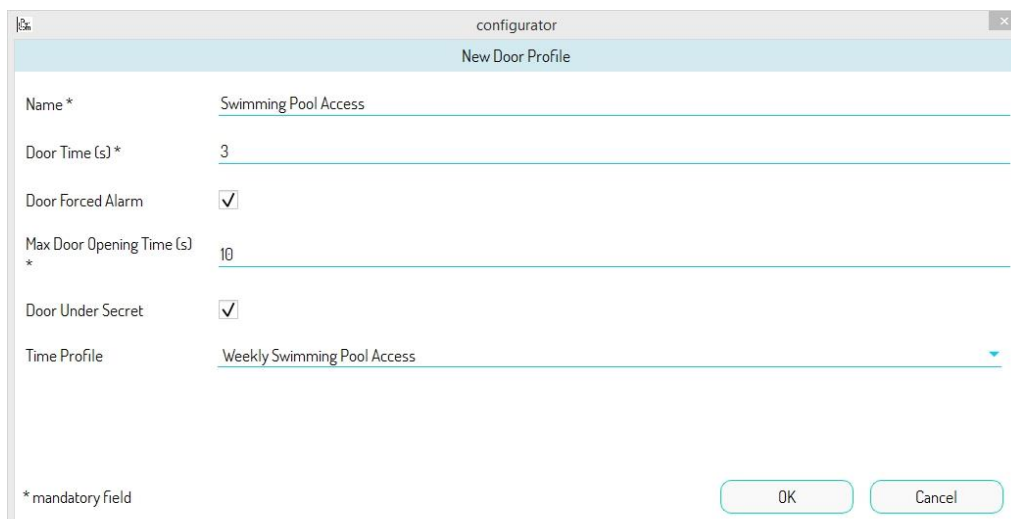
Figure 513: "Access Profiles" screen

Press "Add New" to open the following page:



Figure 514: generic access parameters

For the meaning of the various parameters, see [Configuration parameters of IPerCom devices](#). An example of configuration is shown below:



configurator

New Door Profile

Name \* Swimming Pool Access

Door Time (s) \* 3

Door Forced Alarm ☒

Max Door Opening Time (s) \* 10

Door Under Secret ☒

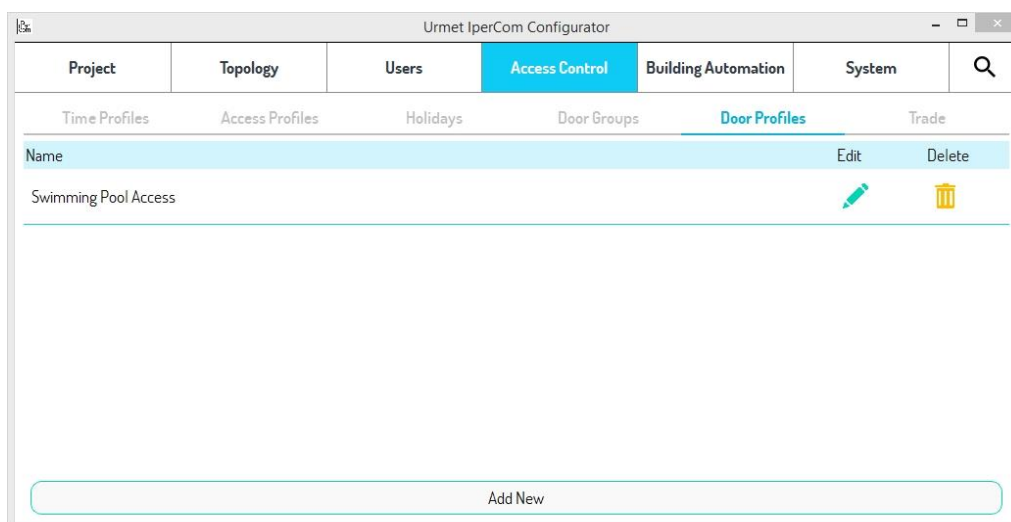
Time Profile Weekly Swimming Pool Access

\* mandatory field

OK Cancel

Figure 515: Setting parameters for an access

Press "OK" to create the access profile:



Urmet IperCom Configurator

Project Topology Users Access Control Building Automation System

Time Profiles Access Profiles Holidays Door Groups Door Profiles Trade

Name Edit Delete

Swimming Pool Access

Add New

Figure 516: creating an access profile

Once the access profile has been created, it can be applied to several doors. For example, if there are two *Key Readers* in the system that must give access to a swimming pool during the summer with the opening profile filled in above, you must load the newly created *Key Reader* in the "Door Profile" item.

To do this you need to go to the "Topology" page, then to the "Devices" tab:

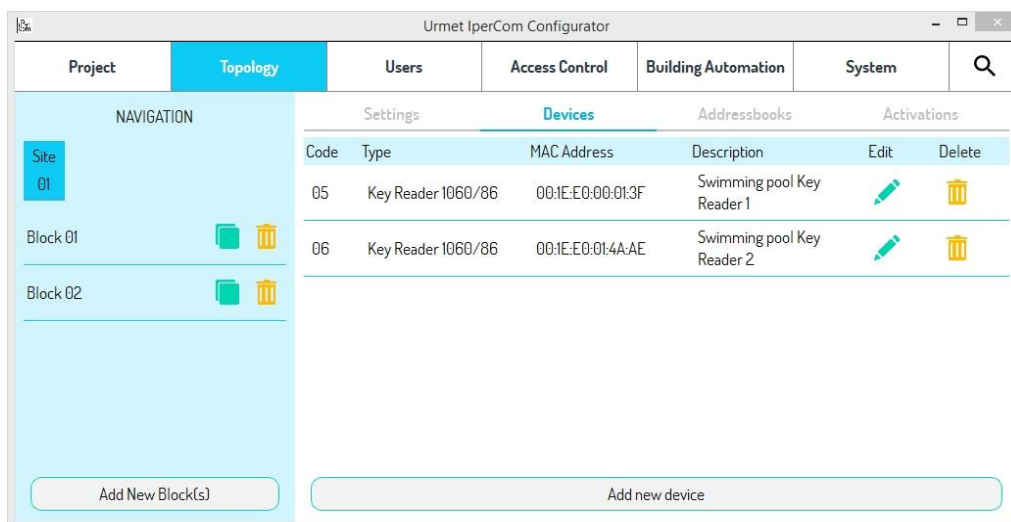


Figure 517: devices on which to load the access profile

Press the "Edit" button of the first Key Reader to open the following screen where "Custom" appears next to the concerned access (i.e. no profile is loaded and each field can be filled in individually):

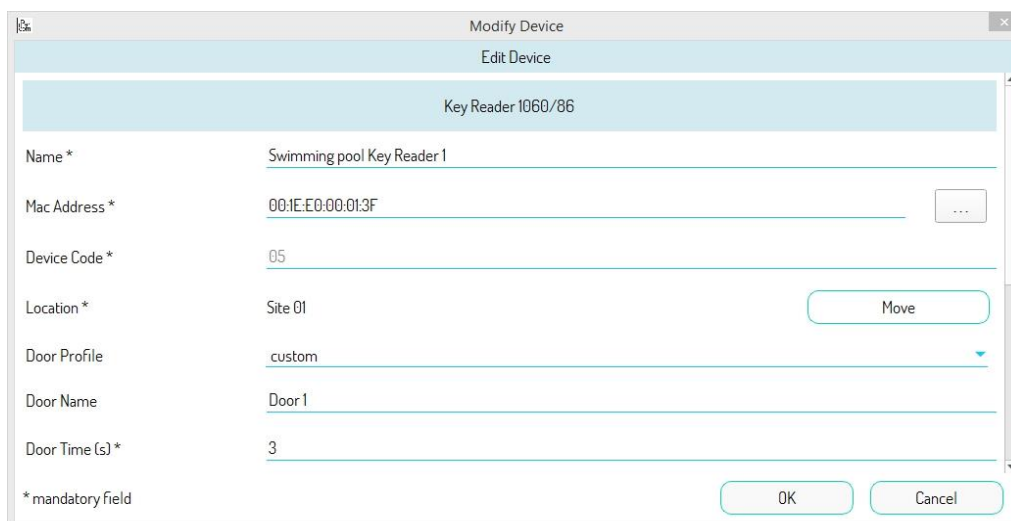


Figure 518: key reader without door profile

Click on "custom" to choose the previously created access:

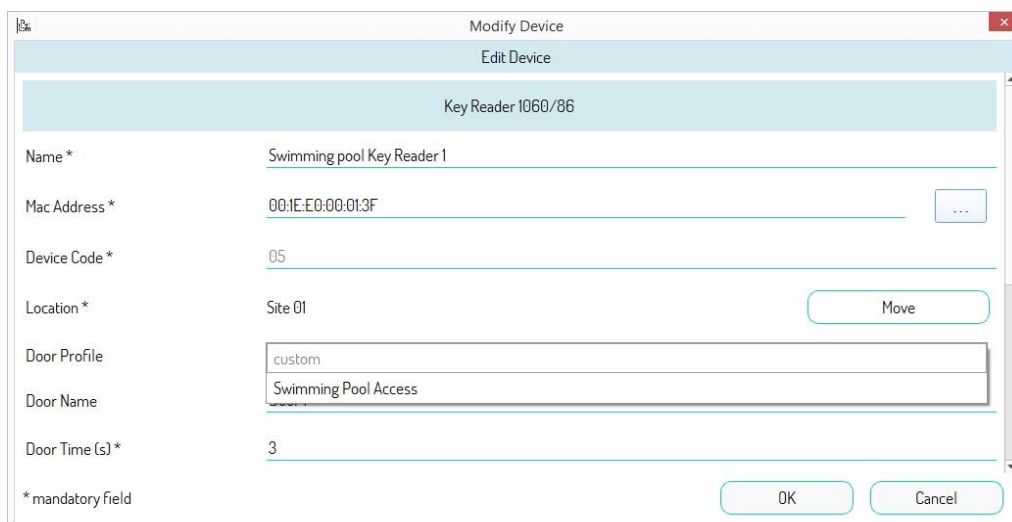


Figure 519: selecting a door profile

Press the "OK" button to load the door profile on the concerned door:

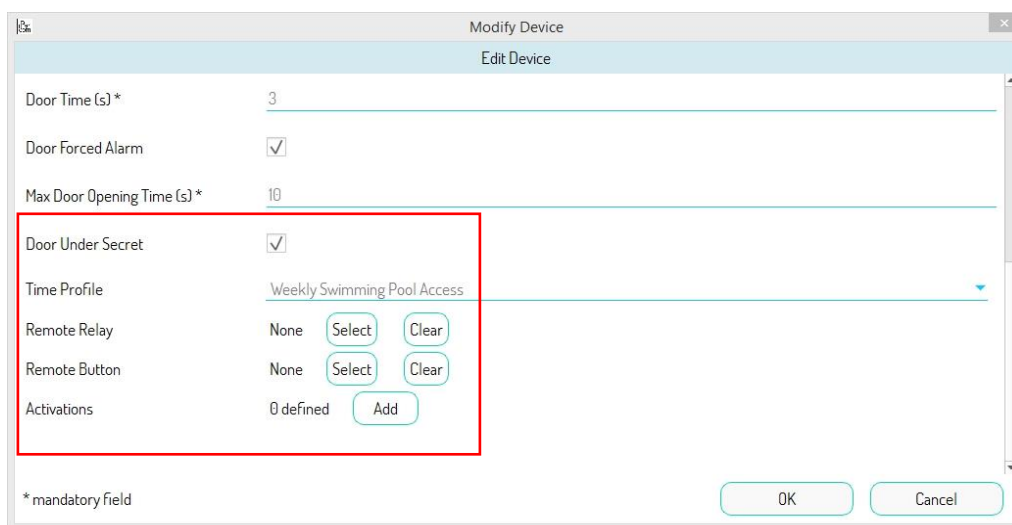


Figure 520: loading the access profile

The loaded parameters are greyed out to highlight the fact that they come from a previously created access profile.



The access profiles can be loaded on the doors of the Call Modules, Entry Panel, Key Reader devices. If some parameters are not present on the doors, these parameters are not loaded.

### 8.1.9.6 Trade

The **trade** function allows opening the pedestrian door and/or the driveway (if enabled) directly from the *Call Modules* and *Modular Entry Panel with 1060/48* keypad during a time set during the creation of the *trade* itself.

The application can be useful if external personnel needs to access the residential complex in pre-set time intervals.

The *Trade* function is set on the "Access Control" page via the "Trade" tab.

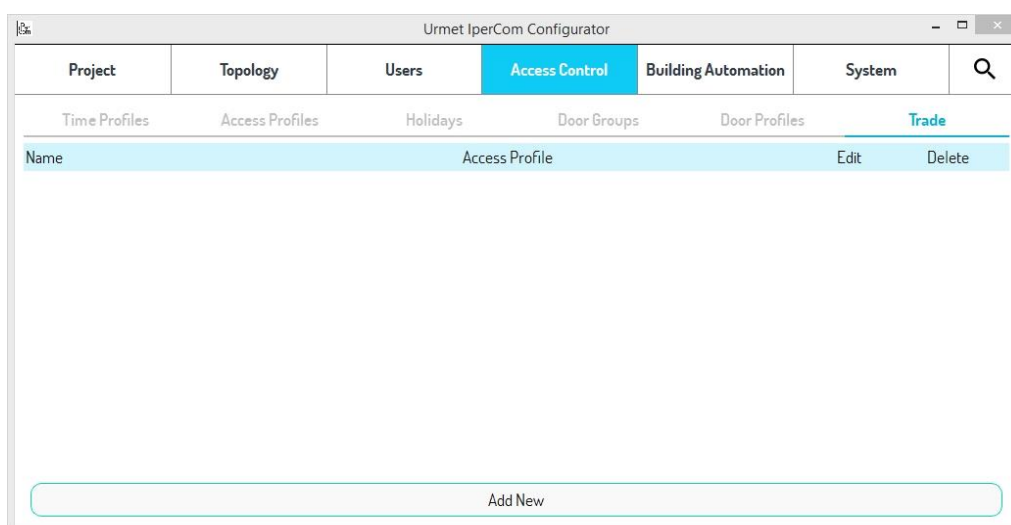


Figure 521: "Trade" screen

Trade is an access profile that groups together the accesses (pedestrian door and/or gate) of one or more *Call Modules* or *Modular Entry Panel with 1060/48*. This access profile can be associated with a profile and/or a time validity. For special needs, it is also possible to associate a time profile with the accesses. Once this access profile has been created, press the "Add" button to open a screen with all the created access profiles.

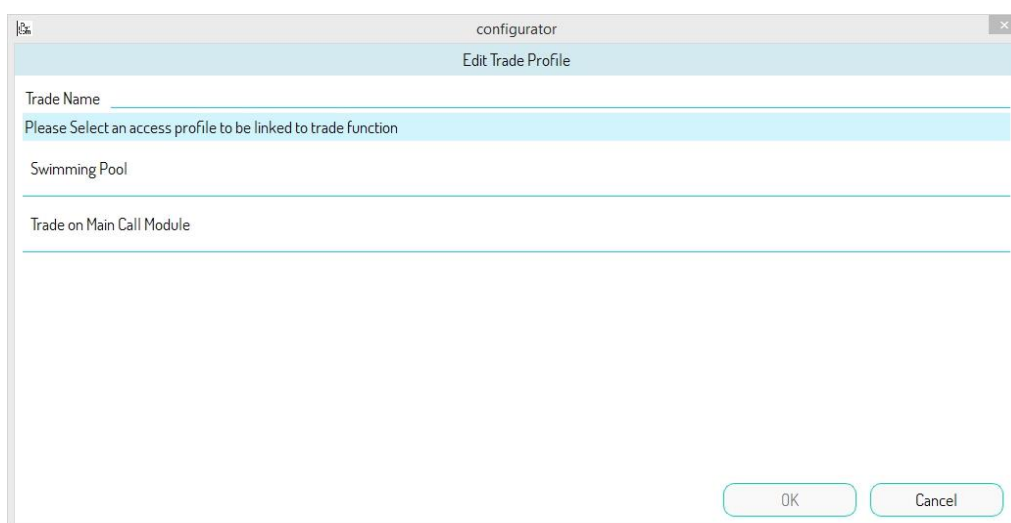


Figure 522: trade creation screen

In the screen above you need to select the access profile created as a trade. After assigning a name to the *trade*, pressing the “OK” button the trade is created and added to the list of available trades.

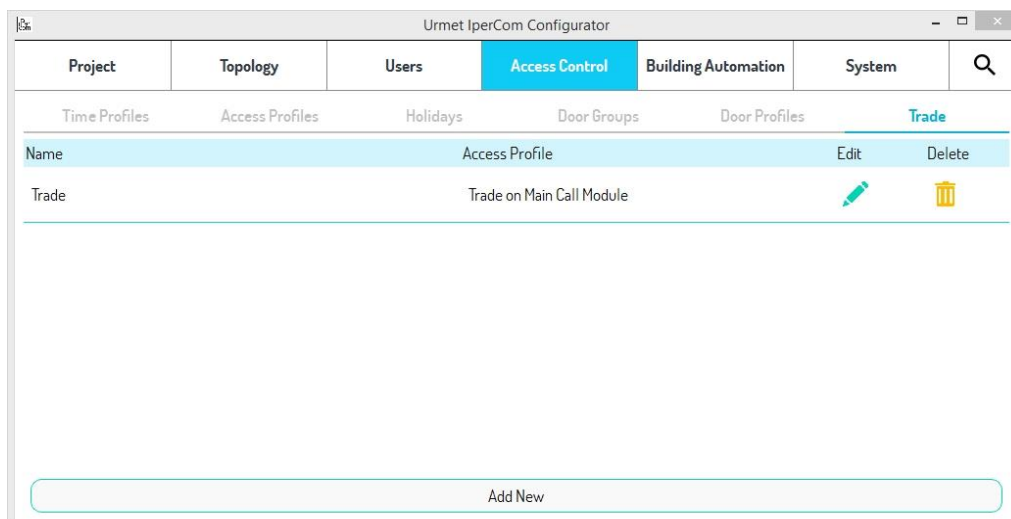


Figure 523: list of created trades

The buttons in the columns "Edit" and "Delete" allow you to modify the data or delete each *trade* created, respectively (through confirmation pop-up).



*The "Trade" function cannot be applied to calling stations 1060/21-71-74-75-78.*



*In systems with lift interface Ref. 1060/37, the door opening through the trade function does not allow the lift to reach the floors or apartments of the residential complex.*

For correct application of the “Trade” function, see the user manual of *Elekta and Elekta Steel Call Modules 1060/12-13-17-18* and *Alpha Display Module 1168/1 for Modular Entry Panel with 1060/48*.

### 8.1.10 System parameters

The "System" tab allows setting several parameters related to the system operation and its performance. For simplicity, the parameters have been divided into the following sections:

- "Global Settings",
- "Door/Gate Settings",
- "Call Forwarding Settings",
- "Call Divert settings"
- "Network Settings",
- "Custom Network Settings",
- "Maintenance Settings".
- "Sunrise/Sunset Settings",

For each parameter it is possible to select the relevant values through intuitive drop-down menus.

Once the value of one or more parameters has been set, the "Apply" button at the bottom of the screen allows you to apply the selected settings.

The screen displayed by pressing the "System" tab is as follows:

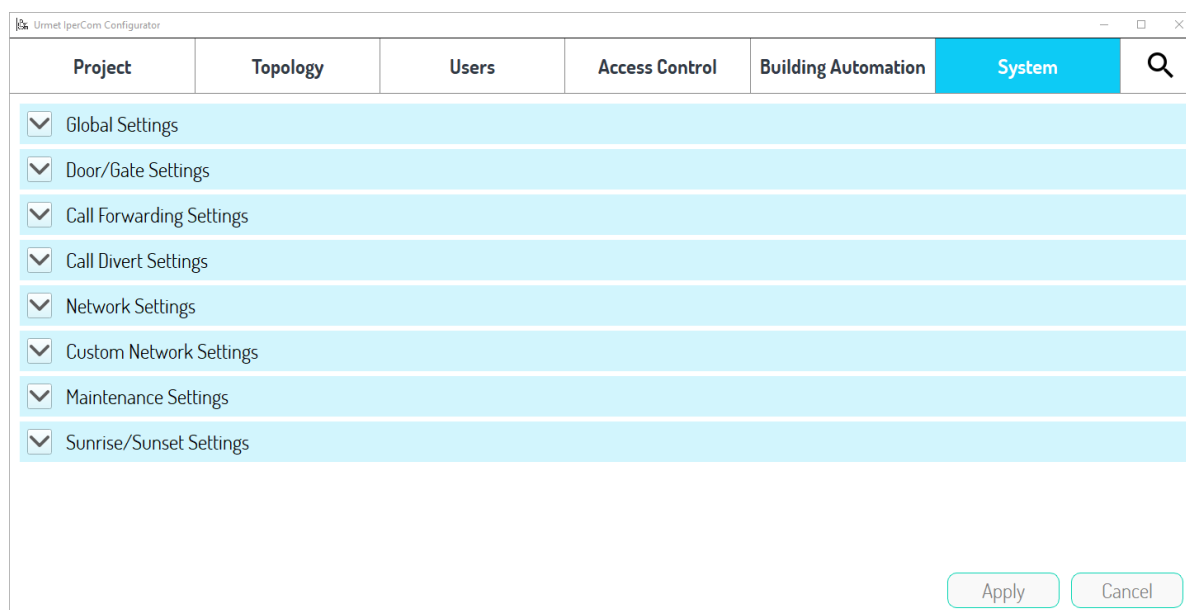
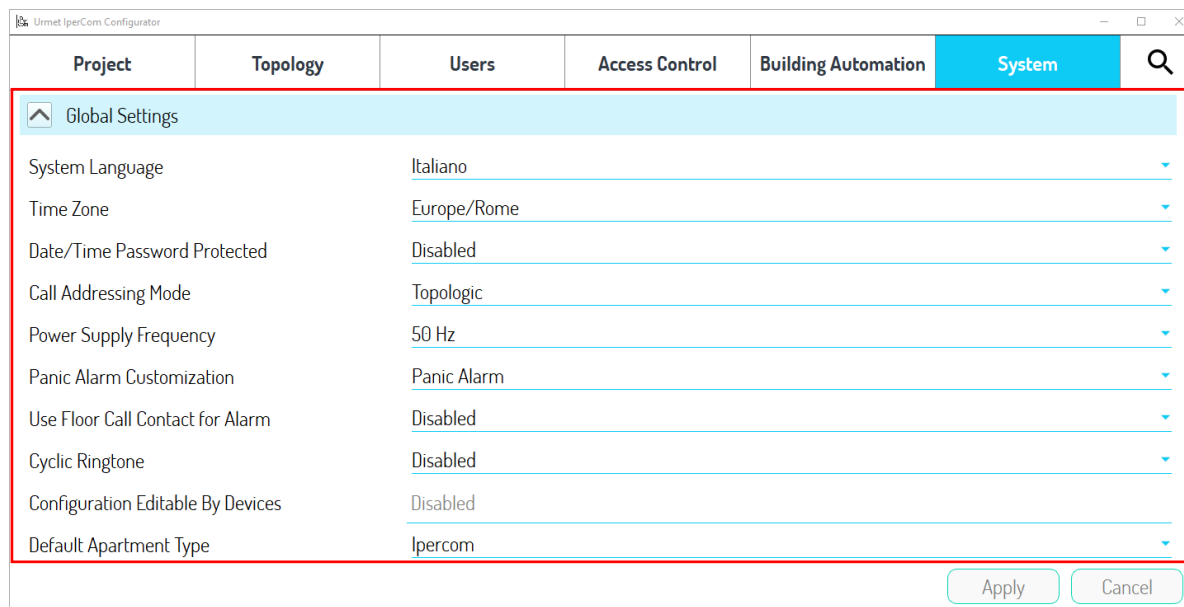


Figure 524: "System" tab

The meaning of the parameters of the various sections listed above is described below.

### 8.1.10.1 Global Settings

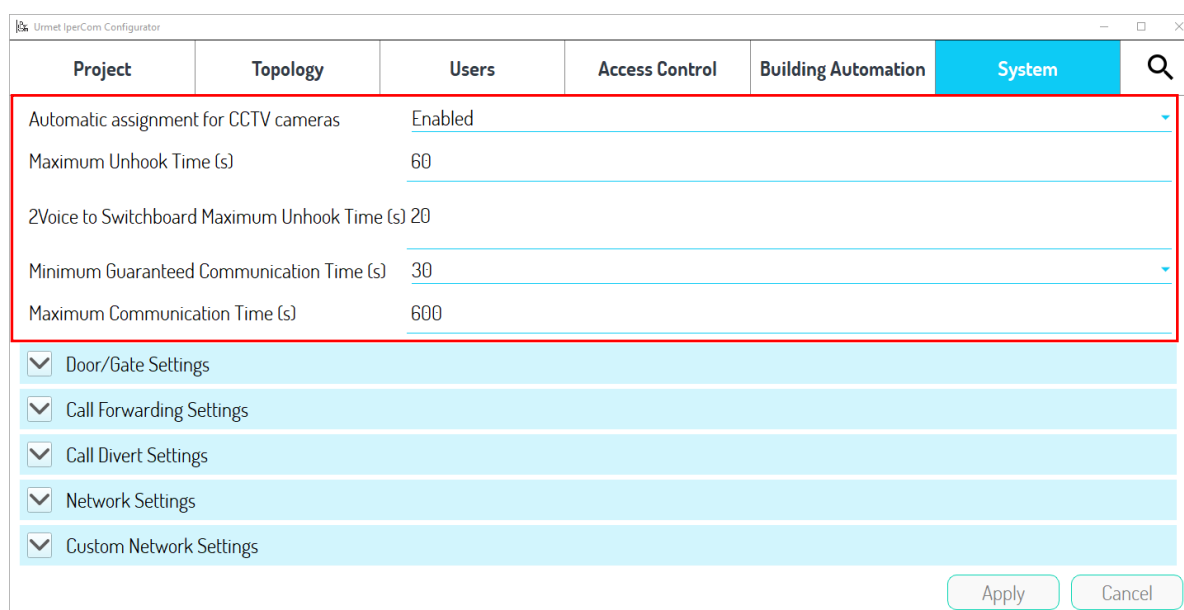
The parameters are shown in the following figures:



Project	Topology	Users	Access Control	Building Automation	System
Global Settings					
System Language		Italiano			
Time Zone		Europe/Rome			
Date/Time Password Protected		Disabled			
Call Addressing Mode		Topologic			
Power Supply Frequency		50 Hz			
Panic Alarm Customization		Panic Alarm			
Use Floor Call Contact for Alarm		Disabled			
Cyclic Ringtone		Disabled			
Configuration Editable By Devices		Disabled			
Default Apartment Type		Ipercom			

Apply Cancel

Figure 525: "System" tab - "Global Settings" (first part)



Project	Topology	Users	Access Control	Building Automation	System
Automatic assignment for CCTV cameras		Enabled			
Maximum Unhook Time (s)		60			
2Voice to Switchboard Maximum Unhook Time (s)		20			
Minimum Guaranteed Communication Time (s)		30			
Maximum Communication Time (s)		600			
<input checked="" type="checkbox"/> Door/Gate Settings					
<input checked="" type="checkbox"/> Call Forwarding Settings					
<input checked="" type="checkbox"/> Call Divert Settings					
<input checked="" type="checkbox"/> Network Settings					
<input checked="" type="checkbox"/> Custom Network Settings					

Apply Cancel

Figure 526: "System" tab - "Global Settings" (second part)

The meaning of the single items is shown in the following table:

<i>System Language</i>	Language used by <i>IPerCom</i> devices with display or <i>IPerCom</i> applications with graphical interface ( <i>Switchboard</i> and <i>IPerCom Client</i> ).
<i>Time Zone</i>	Time zone selected for time management. Default value: "Europe/Rome".
<i>Date/Time Protection with Password</i>	If enabled, date and time can be modified from <i>MAX</i> , <i>VOG</i> <sup>2</sup> or <i>Basic</i> video door phones only with password and password entry field is shown just below the item "Date/Time Protection with Password". Default value: disabled.
<i>Call Addressing Mode</i>	Mode used to call an apartment from calling stations with alphanumeric keypad. Allowed values: "Topologic", "Numeric", "Logic", "Block Mode". For further details see the paragraph <a href="#">Call addressing mode</a> .
<i>Numeric Codes Assignment</i>	The field is visible only if "Numeric", "Logic" or "Block mode" is chosen as the type of addressing: in this case it is possible to assign the codes to the apartments in automatic or manual mode.
<i>Power supply frequency</i>	Frequency of the electric power supply. Default value: 50Hz.
<i>Panic Alarm Customization</i>	This function allows customizing the type of alarm sent to the <i>Switchboard</i> by apartment stations (only if the alarm is generated by the relative external terminals).
<i>Use Floor Call Contact for Alarm</i>	If enabled, the floor call button of all the apartment stations in the system allows you to send to the <i>Switchboard</i> a type of alarm among those listed. Default value: disabled.
<i>Cyclic Ringtone</i>	If enabled, the chime assigned to an apartment station is repeated cyclically during the entire call phase. Default value: disabled.
<i>Configuration Editable by Devices</i>	The default value is enabled (and editable) if the system model chosen during configuration is the "Villa Kit (one-household)" and if there is no <i>Server 1060/1</i> to configure: this means that the system configuration can be modified from the video door phones (connected to the system) that integrate the <i>configurator</i> (as well as from <i>IPerCom Installer Tools</i> ). If the disabled value is set, the configuration can no longer be modified from the video door phones. In all other system types, the default value is disabled (frozen): this means that the configuration can only and always be modified from <i>IPerCom Installer Tools</i> .

<i>Default Apartment Type</i>	<p>If the <i>IPerCom</i> value is set, all the apartments added in the configuration are of the <i>IPerCom</i> type, that is with at least one apartment station; if the <i>IPerCloud</i> value is set, all the apartments added in the configuration are of the <i>IPerCloud</i> type, that is they can have no apartment station. The <i>IPerCom/IPerCloud</i> choice does not preclude the possibility of subsequently changing the value from the <i>configurator</i> on each individual apartment. Default value: <i>IPerCom</i>. <u>The field can be modified only if <i>configurator</i> is started from <i>IPerCom Installer Tools</i>. On the contrary, the field cannot be modified if:</u></p> <ul style="list-style-type: none"> <li>-) <u><i>configurator</i> is started by the video door phones that integrate it;</u></li> <li>-) <u><i>configurator</i> is started by opening a configuration file with <i>ccf</i> extension.</u></li> </ul>
<i>Automatic Assignment for CCTV Cameras</i>	<p>If enabled, the camera address book of video door phones automatically presents all the calling stations and RTSP cameras located on the topological path of the respective apartment nodes. If disabled, the camera address book must be created via the <i>Contacts</i> tab of the <i>configurator</i>. Default value: enabled.</p>
<i>Maximum Unlook Time (s)</i>	<p>Answer waiting time after which the call is missed. Min: 30s, Max: 120s. Default value: 60s.</p>
<i>2Voice to Switchboard Maximum Unhook Time (s)</i>	<p>Answer waiting time from 2Voice apartment station to <i>Switchboard</i> after which the call is missed and stored in the missed calls of the <i>Switchboard</i>. Min: 10s, Max: 30s. Default value: 20s</p>
<i>Maximum Guaranteed Communication Time (s)</i>	<p>Guaranteed communication time. Min 1s, Max: 90s (in steps of 10s). With at least one <i>IPercom 2Voice Gateway</i> in the system, the maximum value decreases to 70s. Default value: 30s.</p>
<i>Maximum Communication Time (s)</i>	<p>Maximum conversation duration time (in the absence of interruptions) between calling station and apartment station and between 2 apartment stations. The set value also applies for auto-on. Min: 30s, Max: 600s. Default value: 600s.</p>

Table 19: meaning of the parameters in the "Global Settings" section



If the cyclic ringtone is enabled, it is recommended not to use voice commands on video door phones but gesture commands to enable the main video door phone functions.



All alarms generated by external terminals (except the panic alarm) can only be reset from the *Switchboard*: for this type of alarm, therefore, it is necessary that at least one *Switchboard* application is present on the system. The panic type alarm can be reset from the *switchboard* or from the same video door phone that generated it.



Regarding the item “Automatic Assignment for CCTV Cameras”, the CallMe app linked to the apartment behaves as shown below.

*Item “Automatic Assignment for CCTV Cameras” enabled*

*The list of cameras in the CallMe app on which making auto on is the same as the apartment video door phone or video door phones, excluding any RTSP cameras. In detail, all the calling stations placed on the topological path of the apartment node are shown and any calling stations added manually via the “Contacts” tab.*

*Item “Automatic Assignment for CCTV Cameras” disabled*

*The list of cameras in the CallMe app on which making auto on is the same as the apartment video door phone or video door phones, excluding any RTSP cameras. In detail, all the calling stations added manually via the “Contacts” tab are shown. If no calling station is manually added, the list will be empty.*

### 8.1.10.2 Door/Gate Settings

The parameters are shown in the red rectangle in the following figure:

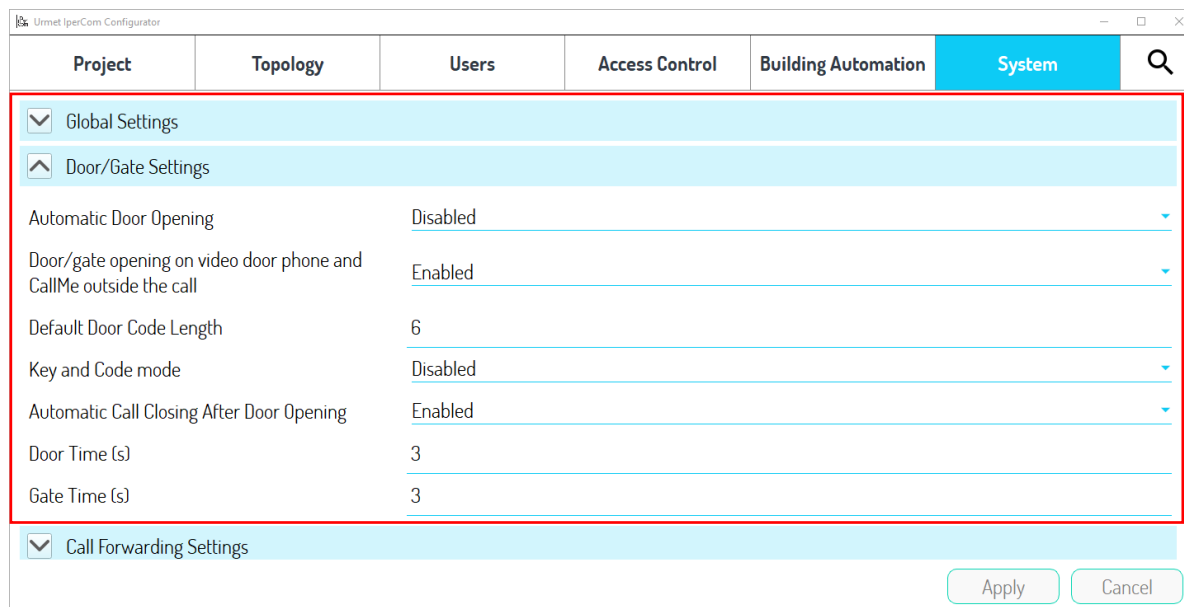


Figure 527: "System" tab – "Door/Gate Settings"

The meaning of the single items is shown in the following table:

<i>Automatic Door Opening</i>	If enabled, it allows the automatic opening of the doors during the call phase. Default value: disabled. The function must also be locally enabled on apartment station. Default value: not enabled.
<i>Door/gate opening on video door phone and CallMe outside the call</i>	If disabled, it allows door/gate opening only and exclusively during the call phase. Default value: enabled (it is possible to open door/gate also in auto-on).
<i>Default Door Code Length</i>	Numeric door opener code length for residents and non-residents. Default value: 6 (min 4, max 8).
<i>Key and Code mode</i>	If enabled, the access to the doors of the <i>Call Module</i> and <i>Modular Calling Station with 1060/48</i> occurs using both the <i>Proximity Key</i> and the <i>Door Code</i> associated to the user. Default value: disabled.
<i>Automatic Call Closing After Door Opening</i>	If enabled, if the door is opened during the unhook time or during the conversation, the call is automatically closed 10s after sending the door opening command. Similarly, if the door is opened during auto on (with mono or bidirectional audio), the same auto on is automatically closed 10s after sending the door opening command. Default value: enabled.
<i>Door Time (s)</i>	Door opening time. Default value: 3s.
<i>Gate Time (s)</i>	Gate opening time. Default value: 3s.

Table 20: meaning of the parameters in the "Door/Gate Settings" section



*If the automatic door opening function is enabled on an apartment station, you cannot set either the “remote” mode, the “recording” mode or the “divert” mode on the same apartment station (if these modes are available on the apartment station).*



*If the door is opened during the unhook time and the call is also answered within 10s, the call itself is no longer closed automatically.*



*With automatic call closing after door opening function enabled, if the door is opened during the unhook time, any call divert enabled on the called apartment is ignored.*



*If during an auto-on on a calling station the pedestrian door is opened and within 10s you make a cyclic sequence to other calling stations (or RTSP Cameras), the auto-on remains active even 10s after the previous door opening.*



*Regarding the item “Door/gate opening on video door phone and CallMe outside the call”, the CallMe app linked to the apartment behaves as shown below.*

*Item “Door/gate opening on video door phone and CallMe outside the call” enabled*

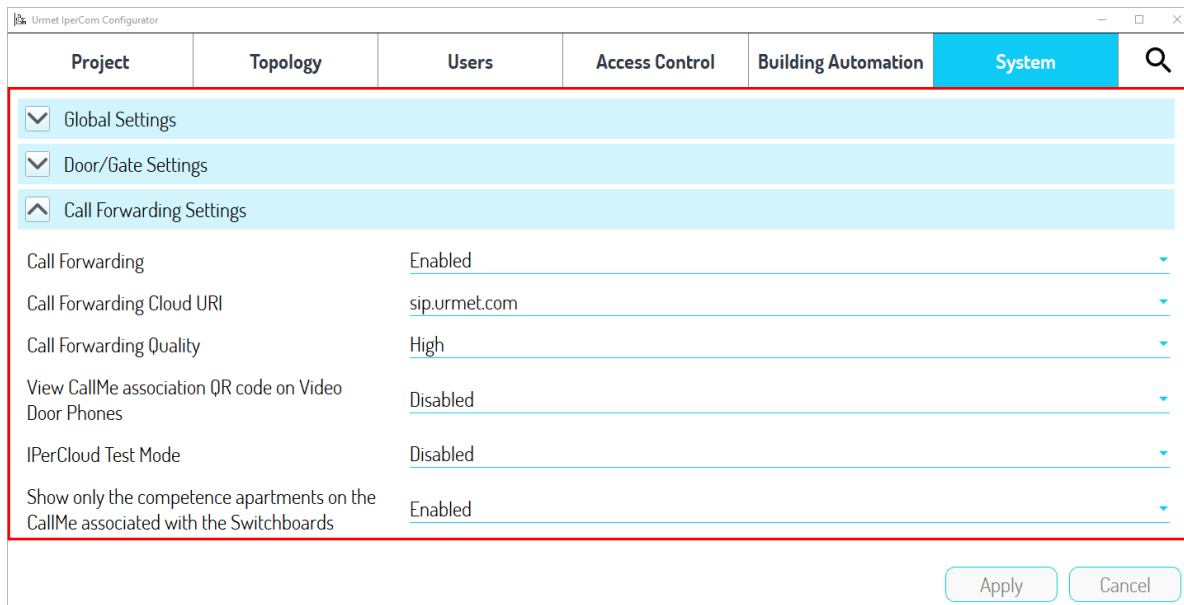
*It is possible to open the door and the gate both from the Home Page of the CallMe app and during an auto-on from the CallMe app itself.*

*Item “Door/gate opening on video door phone and CallMe outside the call” disabled*

*It is not possible to open the door and the gate either from the Home Page of the CallMe app or during an auto-on from the CallMe app itself.*

### 8.1.10.3 Call Forwarding Settings

The parameters are shown in the following figure:



The screenshot shows the 'System' tab of the iPerCom Configurator. The 'Call Forwarding Settings' section is expanded, showing the following parameters:

Parameter	Value
Call Forwarding	Enabled
Call Forwarding Cloud URI	sip.urmet.com
Call Forwarding Quality	High
View CallMe association QR code on Video Door Phones	Disabled
IPerCloud Test Mode	Disabled
Show only the competence apartments on the CallMe associated with the Switchboards	Enabled

At the bottom of the window, there are 'Apply' and 'Cancel' buttons.

Figure 528: "System" tab – "Call Forwarding Settings"

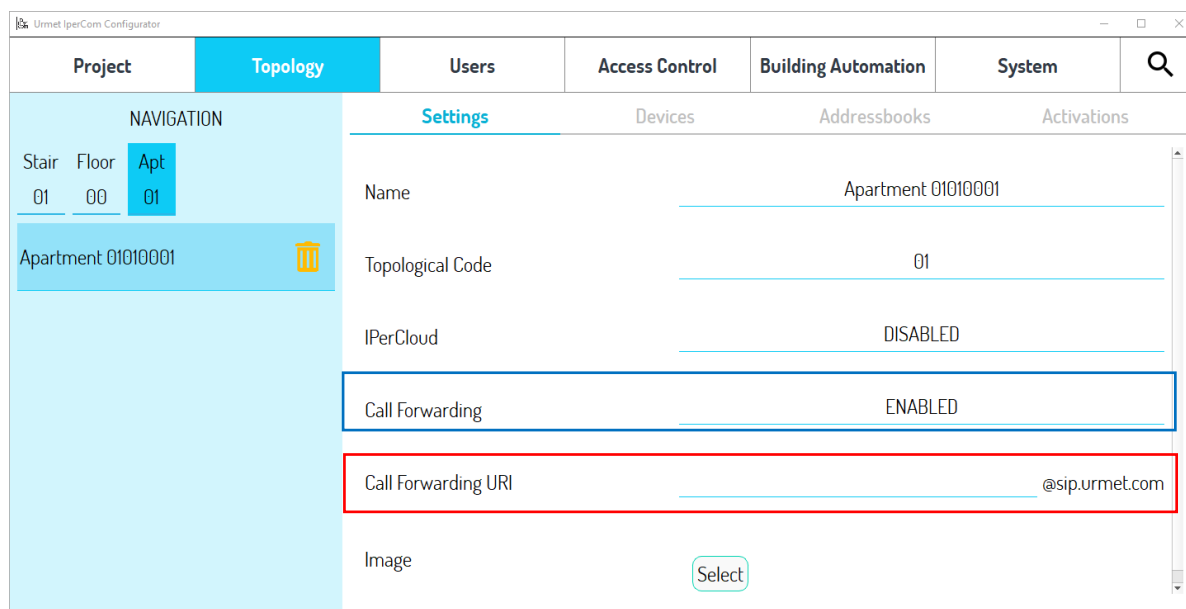
The meaning of the single items is shown in the following table:

<i>Call forwarding</i>	If enabled, all apartments added to the configuration have the call forwarding feature enabled; if disabled, all apartments added to the configuration have the call forwarding function disabled. However, the enabled/disabled choice does not preclude the possibility of changing the default value on an individual apartment (from its “ <i>Settings</i> ” tab). Default value: enabled.
<i>Call forwarding Cloud URI</i>	SIP server where to register the user for call forwarding on smartphone/tablet. Default value: sip.urmet.com
<i>Call Forwarding Quality</i>	Video quality of the call forwarded to a smartphone/tablet. Allowed values: “ <i>High</i> ”, “ <i>Medium</i> ”, “ <i>Low</i> ”. Default value: “ <i>High</i> ”.
<i>View CallMe association QR code on Video Door Phones</i>	If enabled, allows the QR-code associated with the <i>CallMe</i> app to be displayed on the video door phones, <i>Switchboard</i> 1060/42, <i>Switchboard</i> and <i>IPerCom Client</i> applications of the system. If disabled, the QR code in question is not displayed. Default value: disabled for “ <i>Single Stair</i> ”, “ <i>Multiple Stairs</i> ”, “ <i>Multi Block</i> ” systems; enabled for “ <i>Villa Kit (one-household)</i> ” system.
<i>IPerCloud test Mode</i>	If enabled, this mode allows you to check the correct functioning of the IPerCloud system through a test apartment (IPerCloud). To correctly execute the test mode, see the <a href="#">IPerCloud Test Mode</a> paragraph. Default value: disabled. <u>The field can be modified only if the configurator is started from IPerCom Installer Tools. On the contrary, if it is started by the video door phones that integrate it, the field cannot be modified.</u>
<i>Show only the competence apartments on the CallMe associated with Switchboards</i>	If the item is enabled, only the <u>competence apartments</u> will be visible on the <i>CallMe</i> app linked to the <i>Switchboard</i> application, that is the apartments that are placed in the topological group of the <i>Switchboard</i> application. However, if the item is disabled, all the apartments in the system will be visible. Default value: enabled.

Table 21: meaning of the parameters in the “Call Forwarding Settings” section



In the “Settings” tab of each apartment in the blue box appears the “Call Forwarding” field, whose value follows that of the same field (global) reported in the “Call Forwarding Settings” section. Furthermore, if the field “View CallMe association QR code on Video Door Phones” is disabled, the field “Call Forwarding URI” also appears in the same tab (red box), as shown below:



The screenshot shows the 'iPerCom Configurator' window with the 'Topology' tab selected. On the left, a navigation pane shows 'Stair 01', 'Floor 00', and 'Apt 01' selected. Below this, 'Apartment 01010001' is listed with a trash icon. The main area is divided into tabs: 'Settings', 'Devices', 'Addressbooks', and 'Activations'. The 'Settings' tab is active, showing fields for 'Name' (Apartment 01010001), 'Topological Code' (01), 'IPerCloud' (DISABLED), 'Call Forwarding' (ENABLED), and 'Call Forwarding URI' (@sip.urmet.com). The 'Call Forwarding' field is highlighted with a blue box, and the 'Call Forwarding URI' field is highlighted with a red box. At the bottom, there is an 'Image' field with a 'Select' button.

Figure 529: field “Call Forwarding URI”

This field is to be used for custom applications of the call forwarding feature not described in this manual.



If an IPerCom system with version 2.1.0 or higher is upgraded to version 3.2.0, the value of the “View CallMe association QR code on Video Door Phones” field depends on how the “CallMe Manager Support” field was set: if this was enabled, then the default value of the “View CallMe association QR code on Video Door Phones” is disabled; on the contrary, if the value of the “CallMe Manager Support” field was disabled, the default value of the “View CallMe association QR code on Video Door Phones” field is enabled.

#### 8.1.10.4 Call divert settings

The parameters are shown in the following figure:

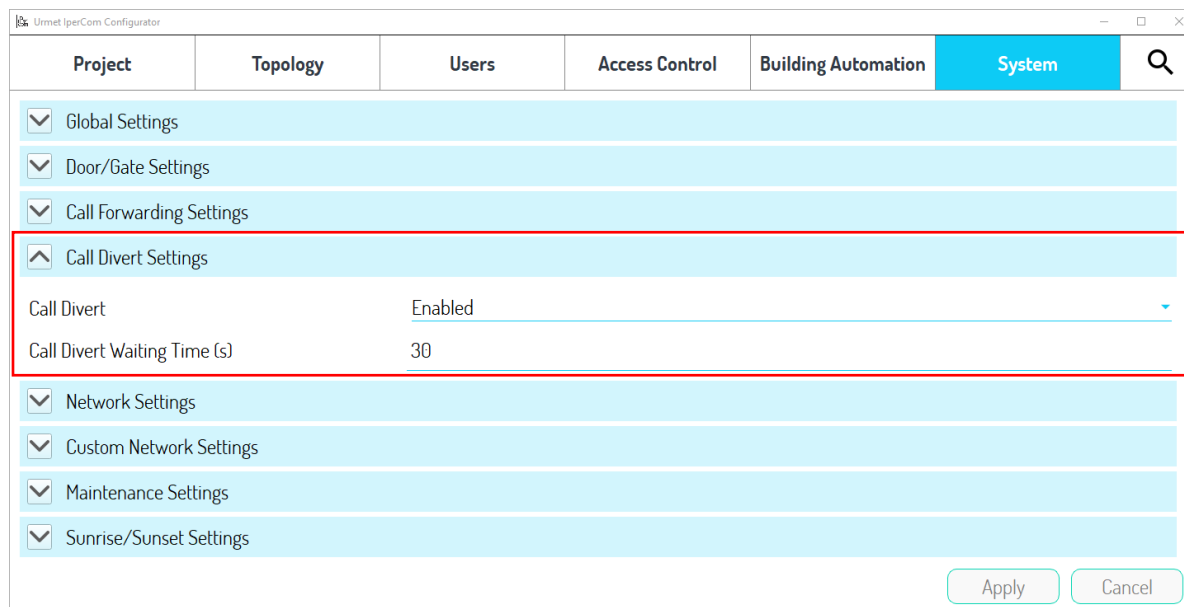




Figure 530: "System" tab – "Call Divert Settings"


The parameter meaning is as follows:


<i>Call Divert</i>	If enabled, it allows diverting the direct call to an apartment station (including <i>IPerCom Client</i> application) towards relevant switchboards or towards the contacts in the address book. Default value: enabled.
<i>Call Diversion Waiting Time (s)</i>	Waiting time after which the call is diverted to another apartment station. Immediate diversion is also possible. Default value: 30s.

Table 22: meaning of the parameters in the "Call Divert Settings" section

 In addition to the configurator, the call divert function must also be enabled on the video door phone apartment stations and *IPerCom Client* application. For further details, see the user's manuals available at [www.urmet.com](http://www.urmet.com).

 The call divert function cannot be set on the Miro door phone 1160/3 or video door phone 1761/6.

 The call divert function can only be set on the master video door phone (or *IPerCom Client* application) in the apartment.

 From the *CallMe* app it is not possible to call an apartment station on which the call forwarding function has been set up.

### 8.1.10.5 Network settings

The parameters are shown in the following figure:

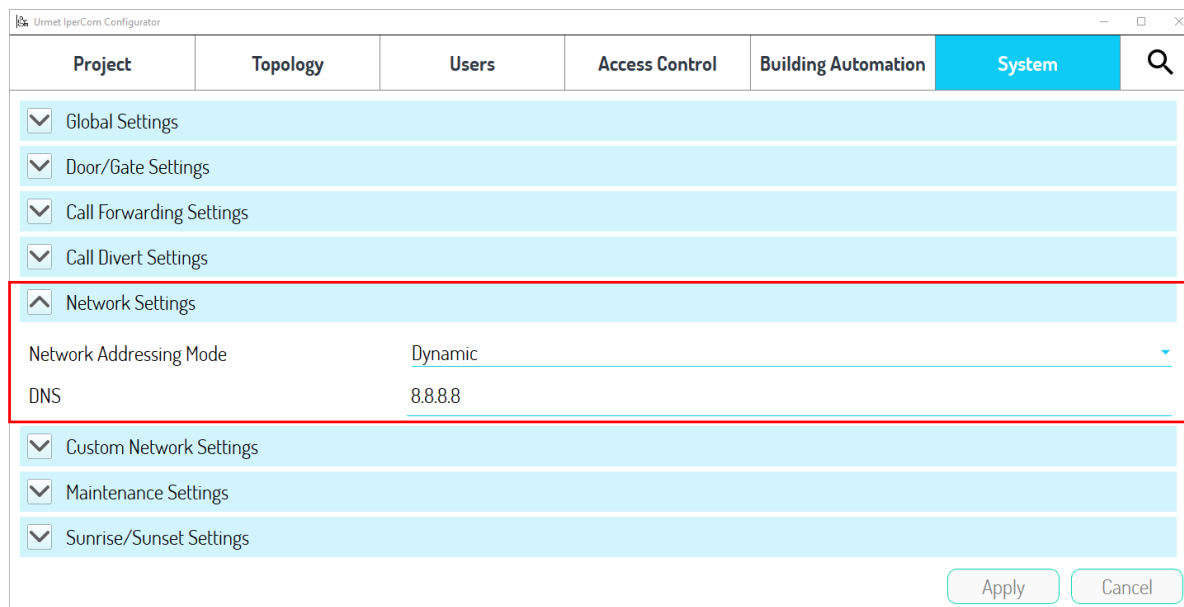



Figure 531: "System" tab – "Network Settings"


The parameter meaning is as follows:

#### NETWORK SETTINGS

<i>Network Addressing Mode</i>	The "Dynamic" item means that the devices automatically acquire an IP address consistent with the network in which they are installed (networks with DHCP server); the "Static" item allows you to set the IP address range according to your needs and depending on the network in which the system is installed (networks without DHCP server).
<i>DNS</i>	IP addresses of the DNS server (default value: 8.8.8.8)

Table 23: meaning of the parameters in the "Network Settings" section

 After a change in network addressing mode (from dynamic to static or vice versa), it is recommended (after the configuration distribution) to **restart all switches in the system**. If this is carried out through a main switch, make sure that the Server 1060/1 is connected to a UPS (uninterruptible power supply) device to avoid irreparable damage caused by a sudden power failure. In the absence of UPS, it is necessary to turn off the Server 1060/1 through the dedicated button and then turn it on again after restoring power supply to the system. Restarting the switches (in the same way as described above when there is a main switch) is recommended if a router with DHCP service is added to the system or removed from the system.

 After a change in network settings, any devices in the system with a static IP address (e.g. RTSP cameras) must be made compatible with the new address assigned to the system.



*If a system contains MAX 1717/3x, MAX 1717/2x and/or VOG7 1761/3x video door phones to also be connected to domestic networks via the second LAN connector, it is recommended to configure the network for the IPerCom system with addresses of the type "10.x.y.z" and not the "192.168.x.y" type usually used in common home networks. In general, pay particular attention not to have devices with multiple network interfaces with subnets that can overlap.*



*If a static network setting is selected, it is also necessary to set the "IP Range Minimum", "IP Range Maximum", "Network mask", "Default Gateway" and "DNS" parameters. These parameters are the same as those presented in the "Custom Network Settings" section and their meaning is explained in the following paragraph. In general, refer to a network administrator for the correct configuration of the network itself.*

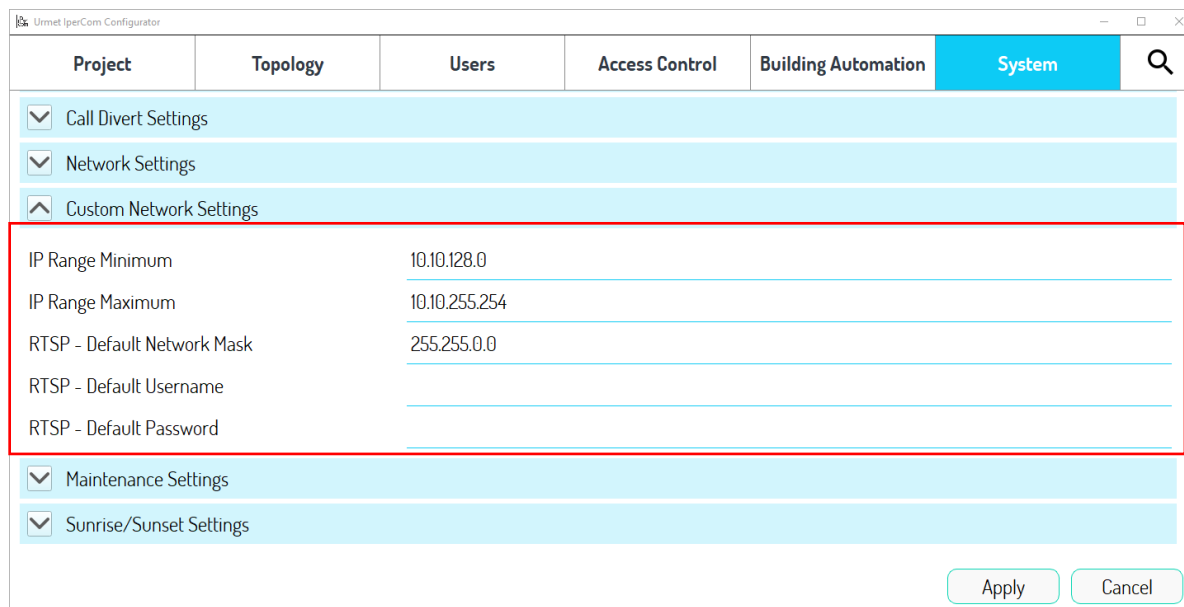


*If it is necessary to configure a system with Server 1060/1 where and static IP addressing is required, follow the steps below:*

- *configure the PC with IPerCom Installer Tools in link local addressing;*
- *create the configuration only with Server 1060/1;*
- *set the static addressing mode on the system;*
- *connect the Server 1060/1 to the system;*
- *configure the PC with IPerCom Installer Tools with addressing compatible with the chosen static addressing;*
- *verify that Server 1060/1 has a consistent address;*
- *configure the rest of the system.*

### 8.1.10.6 Custom Network Settings

The parameters are shown in the following figure:



The screenshot shows the 'System' tab of the iPerCom Configurator. Under the 'Custom Network Settings' section, the following parameters are visible:

IP Range Minimum	10.10.128.0
IP Range Maximum	10.10.255.254
RTSP - Default Network Mask	255.255.0.0
RTSP - Default Username	
RTSP - Default Password	

Below these settings are checkboxes for 'Maintenance Settings' and 'Sunrise/Sunset Settings'. 'Apply' and 'Cancel' buttons are at the bottom right.

Figure 532: "System" tab - "Custom Network Settings"

The parameter meaning is as follows:

<i>IP Range Minimum</i>	Lower limit of the IP address range for the custom subnet you are creating
<i>IP Range Maximum</i>	Upper limit of the IP address range for the custom subnet you are creating
<i>RTSP - Network Mask</i>	Custom subnet mask you are creating
<i>RTSP - Default Username</i>	Username to view the RTSP streaming video from calling stations (if enabled)
<i>RTSP - Default Password</i>	Password to view the RTSP streaming video from calling stations (if enabled)

Table 24: meaning of the parameters in the "Custom Network Settings" section

For more details on how to use custom network settings, see [APPENDIX E: How to use customized network settings in IperCom system](#).



*If a static network setting is chosen for the IPerCom system, the IP address assigned to any IPerCom device can be customized by choosing a value from those defined in the "Customized Network Settings" section (for further details see [APPENDIX F: Custom network settings and editable static IP addresses for IPerCom devices](#)).*



*If you enable RTSP streaming of the calling stations in the configurator, the related “User Name” and “Password” fields are automatically filled in with the values set in the “RTSP - Default User Name” and “RTSP - Default Password” fields.*



*It is possible to leave the “RTSP - Default Username” and “RTSP - Default Password” fields blank: in this case the “Username” and “Password” fields must be filled in individually for each call station with the RTSP streaming function enabled.*



*The “Username” and “Password” fields of the RTSP Cameras are not automatically populated with the values set in the “RTSP - Default Username” and “RTSP - Default Password” fields.*

### 8.1.10.7 Maintenance Settings

The parameters are shown in the following figure:

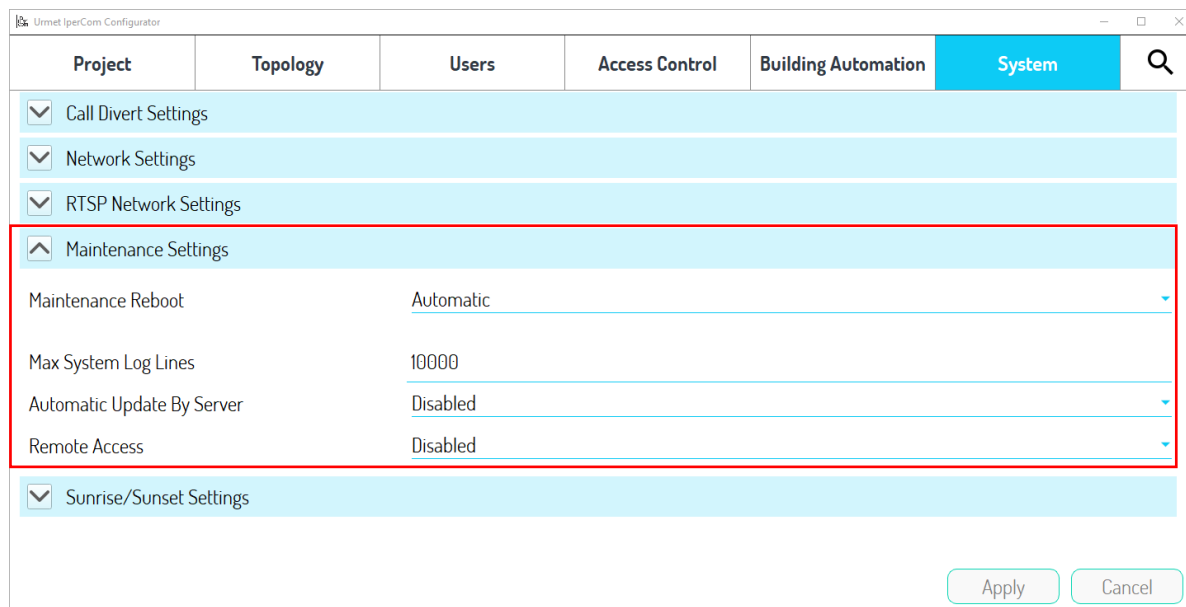


Figure 533: "System" tab - "Maintenance Settings"

The parameter meaning is as follows:

<i>Maintenance Reboot</i>	"Automatic" means that all devices in the system restart at 4:00 am. "Manual" allows you to change the time (at half-hourly intervals) and set weekly reboot days for the displayed devices.
<i>Max System Log Lines</i>	Number of events that can be displayed in the "System logs" of <i>IPerCom Installer Tools</i> . Default value: 10000. Maximum value: 100,000
<i>Automatic Update by Server</i>	If enabled, it allows the firmware upgrade of the devices through the <i>Server 1060/1</i> . Default value: disabled.
<i>Remote Access</i>	If enabled, it is possible through <i>IPerCom Installer Tools</i> to connect to a remote system. Default value: disabled.

Table 25: meaning of the parameters in the "Maintenance Settings" section



For manually scheduled restarts, it is necessary to respect the constraint of at least 2 restarts every 4 days.



Devices such as Relay Actuator, Key Reader and Lift Interface cannot be restarted either automatically or manually.

### 8.1.10.8 Sunrise/Sunset Settings

The parameters are shown in the following figure:

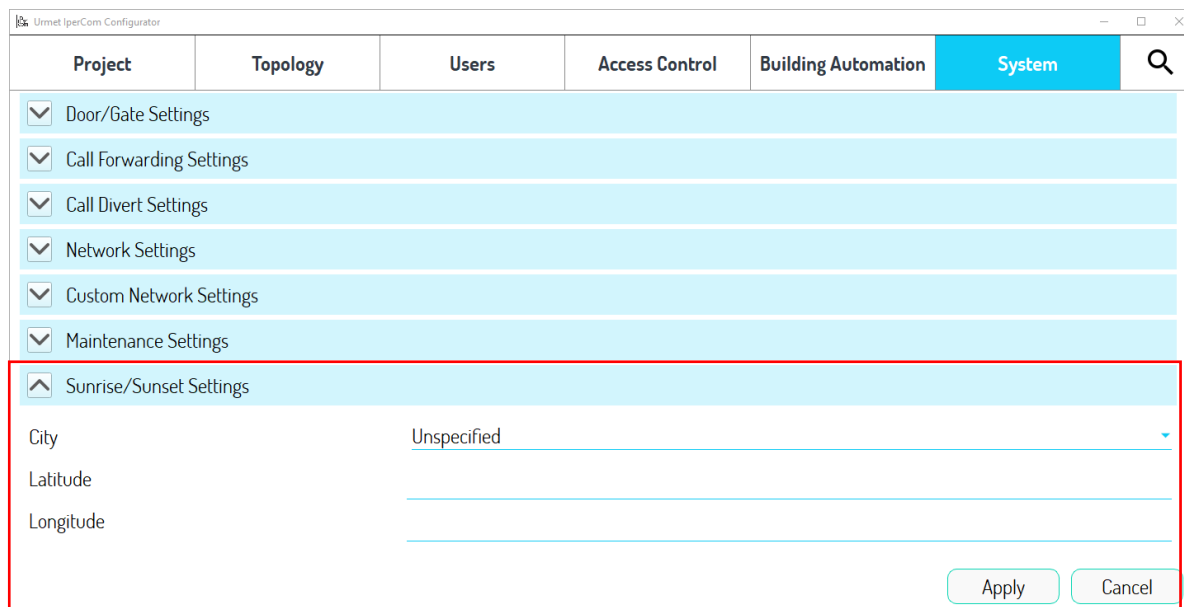


Figure 534: "System" tab - "Sunrise/Sunset Settings"

The parameter meaning is as follows:

<i>City</i>	The value chosen in this drop-down menu allows you to set automatically the " <i>Latitude</i> " and " <i>Longitude</i> " values used to calculate the sunrise and sunset time to program the activation of the outputs of one or more <i>Relay Actuators</i> or one or more scenarios on a weekly basis.
<i>Latitude</i>	Value calculated automatically according to the city chosen in the previous menu. The value can also be set manually if no value is set in the previous menu.
<i>Longitude</i>	Value calculated automatically according to the city chosen in the previous menu. The value can also be set manually if no value is set in the previous menu.

Table 26: meaning of the parameters in the "Sunrise/Sunset Settings" section

### 8.1.11 Call addressing mode

The call addressing mode in the “*Global Settings*” section of the system parameters affects how an apartment can be called by the alphanumeric keypad of the calling stations with display (*Call Module 1060/12-13-17-18-23* and *Modular calling station with 1060/48*) and *Switchboard*.

The call addressing mode to an apartment with the remaining calling stations with call buttons is not affected by the type of addressing mode chosen, that is:

- the call buttons of the *Entry Panel 1060/71-74-75-78*, *Entry Panel 1060/21*, *Entry Panel 1060/33* always call the same apartment set by the *configurator*;
- the call buttons of the *Modular calling station with 1060/48* made up by the *1060/48 IP audio video Entry Panel* and *1168/4* and *1168/8* expander modules always call the same apartment set by the *configurator*;
- the *Entry Panel 1060/34* will always show the same address book, that is the residents of its topological group.



*The Modular calling station with 1060/48 can be used to create calling stations with only call buttons or call modules in combination with the display module and numeric keypad (minimum configuration).*

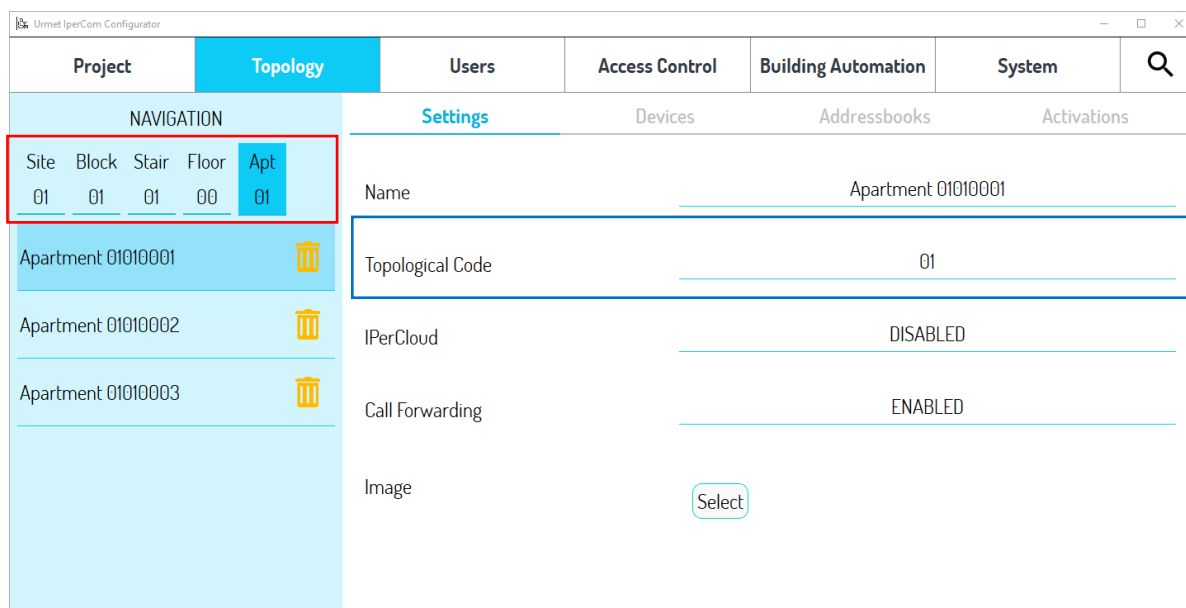
There are four types of addressing:

- *topologic*,
- *numeric*,
- *logic*,
- *block mode*.

## TOPOLOGIC ADDRESSING TYPE

In topologic addressing type to call an apartment from *Call Module* or *Modular Calling Station with 1060/48* or *Switchboard*, the topologic code of the apartment in question must be entered by the keypad (starting from the block node).


The topologic code of an apartment is a fixed parameter defined by the *configurator* during the creation of the system topology and is visible on the red box reported in the picture below:




Project	Topology	Users	Access Control	Building Automation	System
<div> <div>NAVIGATION</div> <div> <div>Site</div> <div>Block</div> <div>Stair</div> <div>Floor</div> <div>Apt</div> </div> <div> <div>01</div> <div>01</div> <div>01</div> <div>00</div> <div>01</div> </div> </div>					
<div> <div> <div>Apartment 01010001</div> <div></div> </div> <div> <div>Apartment 01010002</div> <div></div> </div> <div> <div>Apartment 01010003</div> <div></div> </div> </div>					
<div> <div>Settings</div> <div>Devices</div> <div>Addressbooks</div> <div>Activations</div> </div>					
<div> <div>Name</div> <div>Apartment 01010001</div> </div>					
<div> <div>Topological Code</div> <div>01</div> </div>					
<div> <div>IPerCloud</div> <div>DISABLED</div> </div>					
<div> <div>Call Forwarding</div> <div>ENABLED</div> </div>					
<div> <div>Image</div> <div>Select</div> </div>					

Figure 535: "Settings" screen for topologic addressing

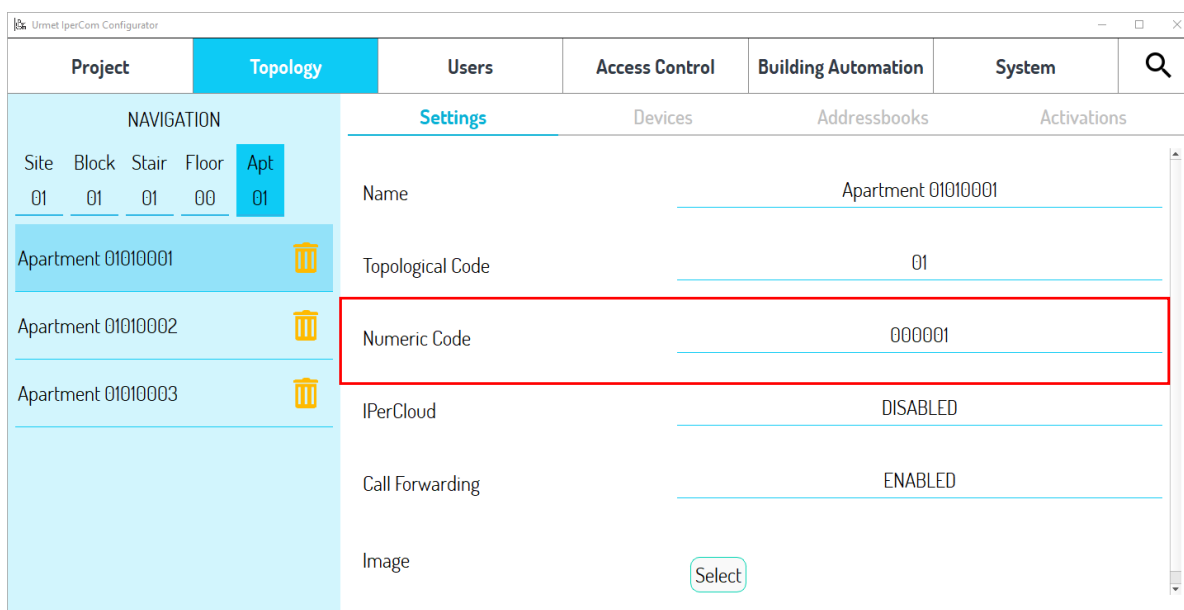
In the "Settings" tab of the "Topology" tab, the "Topological Code" field (blue box) shows only the part of the topologic code relating to the topologic node in which you are positioned in the navigation module. The "Name" field (if not modified) shows the topological code of the node where you are positioned (starting from the block node).

 To call an apartment via the keypad of a *Call Module* or a *Modular Calling Station with 1060/48* or a *Switchboard*, it is recommended to use the logic or numeric or numeric block addressing type, described below.

 The "Select" button in the "Image" section allows you to upload an image on the display of the *Call Module 1060/12-13-17-18-23* which is intended to provide the guest with a "visual" aid in reaching the called apartment. The selected image appears as soon as the call is forwarded and disappears when the call is ended. Supported file formats include the most common ones like jpg, bmp and png. We recommend uploading images with an aspect ratio of 200x58 pixels: this way the image will not be cropped. Once an image is uploaded, you can delete it using the "Delete" button.

## NUMERIC ADDRESSING TYPE

In numeric addressing to call an apartment from *Call Module* or *Modular Calling Station with 1060/48* or a *Switchboard*, a numeric code must be entered by the keypad. You can set this code in automatic or manual mode (see paragraph [Global Settings](#) for further details). In the first case, for each apartment the "Settings" tab of the "Topology" tab appears as shown below:



Project	Topology	Users	Access Control	Building Automation	System
<div>NAVIGATION</div> <div>Site Block Stair Floor Apt</div> <div>01 01 01 00 01</div>					
<div>Apartment 01010001</div> <div>Apartment 01010002</div> <div>Apartment 01010003</div>					
<div>Settings</div> <div>Devices</div> <div>Addressbooks</div> <div>Activations</div>					
Name		Apartment 01010001			
Topological Code		01			
Numeric Code		000001			
IPerCloud		DISABLED			
Call Forwarding		ENABLED			
Image		Select			

Figure 536: "Settings" screen for numeric addressing

As you can see, the "Numeric Code" field is automatically filled in by the *configurator*. If, on the other hand, you choose the manual mode, the numeric code must be filled in by the installer.

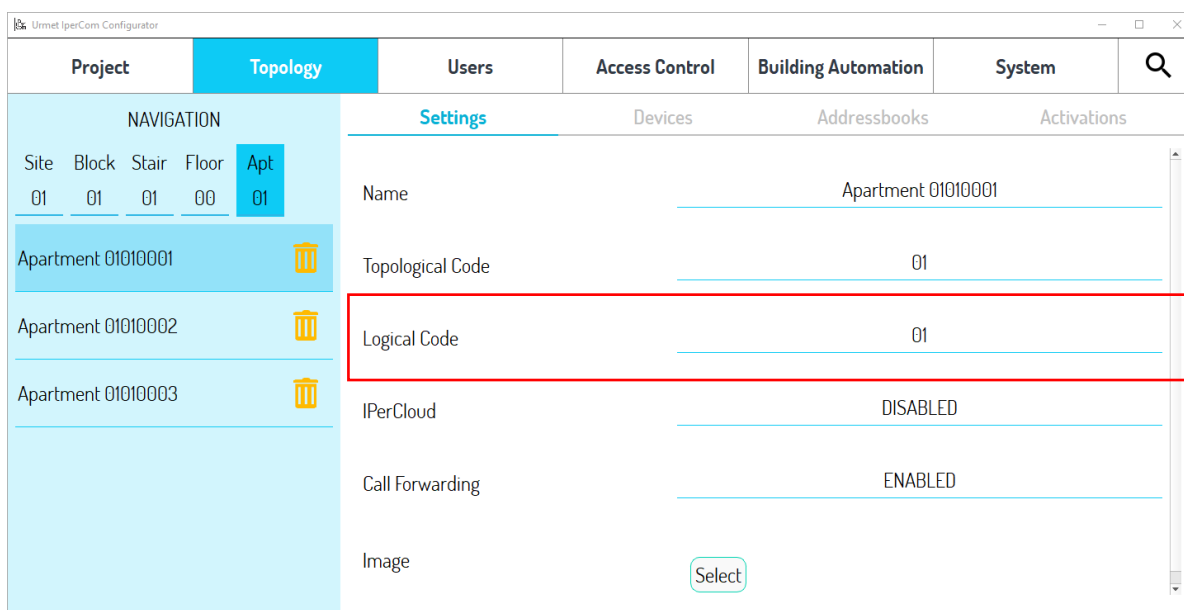
In both cases, the numeric code can have from 1 to 6 characters (numeric).

If you enter a numeric code with fewer than 6 characters, the missing characters are forced with zeros (as shown in [Figure 536](#)).

When typing the code from the numeric keypad, the initial zeros can be omitted (therefore, code "1" and, for example, code "01" or "000001" are identical codes that cannot be used to call different apartments).

## LOGIC ADDRESSING TYPE

In logic addressing to call an apartment from *Call Module* or *Modular Calling Station with 1060/48* or a *Switchboard*, an alphanumeric code must be entered by the keypad. For each apartment the "Settings" tab of the "Topology" tab appears as shown below:



NAVIGATION				
Site	Block	Stair	Floor	Apt
01	01	01	00	01

Settings		Devices	Addressbooks	Activations
Name	Apartment 01010001			
Topological Code	01			
Logical Code	01			
IPerCloud	DISABLED			
Call Forwarding	ENABLED			
Image	Select			

Figure 537: "Settings" screen in case of logic addressing

The "Logical Code" field is automatically filled in by the *configurator* but can also be modified by the installer according to their needs.

The logical code can have from 1 to 8 characters (alphanumeric).

When typing the code from the alphanumeric keyboard, the initial zeros cannot be omitted (therefore code 1 and code 01 are two different codes that can be used to call two different apartments).




To enter alphanumeric codes, the *Modular Calling Station with 1060/48* must be equipped with an alphabetic keyboard 1168/49.

## BLOCK MODE ADDRESSING TYPE


In block mode addressing to call an apartment from the *Call Module* or *Modular Calling Station with 1060/48* it is necessary to distinguish whether these are positioned on the “Site” node or not.

### CALL MODULE OR MODULAR CALLING STATION WITH 1060/48 ON SITE NODE

To call an apartment by the keypad you need:

- from *Call Module* (by means of arrow buttons) first select the block in which the apartment in question is placed, then enter the numeric code associated with the apartment;
- from *Modular Calling Station with 1060/48*, press the button corresponding to the icon , then select block in which the apartment in question is placed, then enter the numeric code associated with the apartment.



On the *Modular Calling Station with 1060/48* it is recommended to disable the call from address book button  from the configurator.

### CALL MODULE OR MODULAR CALLING STATION WITH 1060/48 ON NODE BLOCK/STAIR/FLOOR

To call an apartment by the keypad you need:

- from *Call Module* enter the numeric code associated with the apartment;
- from *Modular Calling Station with 1060/48* enter the numeric code associated with the apartment.

Again, in this type of addressing, the numeric code (which appears in the “Settings” tab of the “Topology” tab) can be set automatically or manually and can have from 1 to 6 characters (as seen previously).

If you enter a numeric code with fewer than 6 characters, the missing characters are forced with zeros (as shown in [Figure 536](#)).

When typing the code from the numeric keypad, the initial zeros can be omitted (therefore, code 1 and, for example, code 01 are two identical codes that cannot be used to call two different apartments).

If the numeric codes of the apartments are set manually, a numeric code must also be set for the blocks present in the topological structure of the system, as shown below:

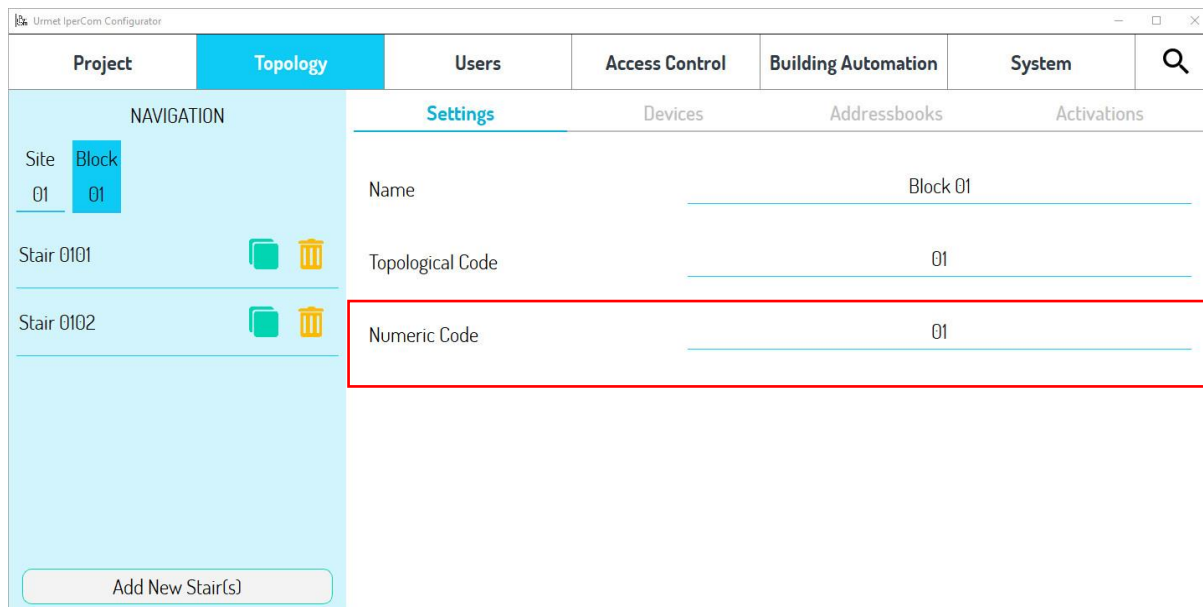


Figure 538: block "Settings" screen in case of block mode




**If some blocks do not have a valid numeric code, it is impossible to save the configuration.**



**In block mode addressing type, the Switchboard can call the apartments only using the address book.**



If the Call Module 1060/12-13-17-18-23 is positioned on the block/stair/floor node, it is possible to also make the directory (of their topological group) appear by selecting the "Show Address Book" item from the relevant configuration page (see [Configuration parameters of IPerCom devices](#) for further details). In this case it is possible to call the apartment both via numeric code and via the resident's name. Similarly, on the Modular Calling Station with 1060/48 it is possible to display or not the address book by enabling or disabling the corresponding key .

### 8.1.12 Setting of call forwarding function in IPerCom system not in IPerCloud mode

The **call forwarding** function allows receiving a call from

- *Entry panel 1060/71-74-75-78,*
- *Entry panel 1060/21-33-34,*
- *Call module 1060/12-13-17-18-23,*
- *Modular Entry Panel with 1060/48,*
- *Private Call Module 1060/22,*
- *Switchboard,*

on one or more smartphones/tablets as well as in the apartment.

The function is also available if:

- the call from a calling station is directed to a specific apartment station;
- the call arrives from an apartment station of an apartment to another apartment or to a single apartment station of this one.

You can configure the call forwarding function in 2 different modes depending on the model of plant you want to configure. In detail:

- if the plant model is *“Single Stair”, “Multiple Stairs” or “Multi Block”*, you must use the *CallMe Manager* application to generate the QR-code association between *CallMe* account and apartment;
- if the chosen installation model is *“Villa Kit (one-household)”*, you must use the *apartment video door phone* to display the QR-code of association between *CallMe* account and apartment.

The support of the *CallMe Manager* application is recommended for medium- or large-sized plant types where the figure of the building manager is usually provided, that is *“Single Stair”, “Multiple Stairs” and “Multi Block”*. On the contrary, for the *“Villa Kit (one-household)”* type of plant (small-sized plant where the figure of the building manager is usually not provided) the use of the *CallMe Manager* app is not required.

The following are the two ways of configuring the call forwarding function (with and without support for the *CallMe Manager* application).



*In apartments with only doorphones, the call forwarding function can only be enabled by using *CallMe Manager* application.*



*If an IPerCom system with the call forwarding function already configured is updated to version 2.1.0 or higher, in order to take advantage of the new features of the function it is necessary:*

- *scan the QR code on the letter sent by the building manager **if *CallMe Manager* is used;***
- *scan the QR Code in the video door phone setting menu **if *CallMe Manager* is not used.***

*For further information, refer to the 2 paragraphs below.*

### 8.1.12.1 *Configuring call forwarding function with CallMe Manager application support*

The following are the various actions to be performed to properly configure the function for “Single Stair”, “Multiple Stairs” and “Multi Block” system types.

#### 1. INSTALLER

- Connect a router to the IPerCom system network that can provide Internet access;
- Install *IPerCom Installer Tools* PC application;
- Create an Urmet Cloud account and authenticate with this account on the Urmet cloud via the *IPerCom Installer Tools* application;
- Create a system configuration and verify that the parameters of the call forwarding function are correct, using the *IPerCom Installer Tools* application;
- Transfer the site to the building manager.

#### 2. BUILDING MANAGER

- Install the *CallMe Manager* application on PC;
- Create an Urmet Cloud account and authenticate with this account on the Urmet cloud via the *CallMe Manager* application;
- Acquire the site through the *CallMe Manager* app;
- Generate letters (pdf format) with QR-code;
- Send letters via email or post to users.

#### 3. END-USER

- Install the *CallMe* app, distributed for Android and iOS operating systems and downloadable from the relevant stores;
- Create an Urmet Cloud account and authenticate with this account on the Urmet cloud via the *CallMe* app;
- Scan the QR code sent by the building manager to associate the account with the apartment;
- Activate the call forwarding function, check its correct activation, check that the apartment's master video door phone shows the “Remote” mode icon (for further details see the video door phone user manual available on the website [www.urmet.com](http://www.urmet.com));
- Share access to the plant with other users through the *CallMe* app (if required).



*For the 1160/3 Door Phone the “remote” mode is already set by default and is not displayed to the user either via icon or LED.*

## Configuration of the system and parameters of the call forwarding function (installer)

Using the *IPerCom Installer Tools* application, the installer creates the project and the related configuration, that is defines the system topology, adds the devices on the topological nodes, assigns appropriate names to the devices, apartments, and topological nodes, creates the address books, the users, and activations, configure the parameters of the call forwarding function in the “System” ---> “Call Forwarding Settings” section of the *configurator* (as shown below):

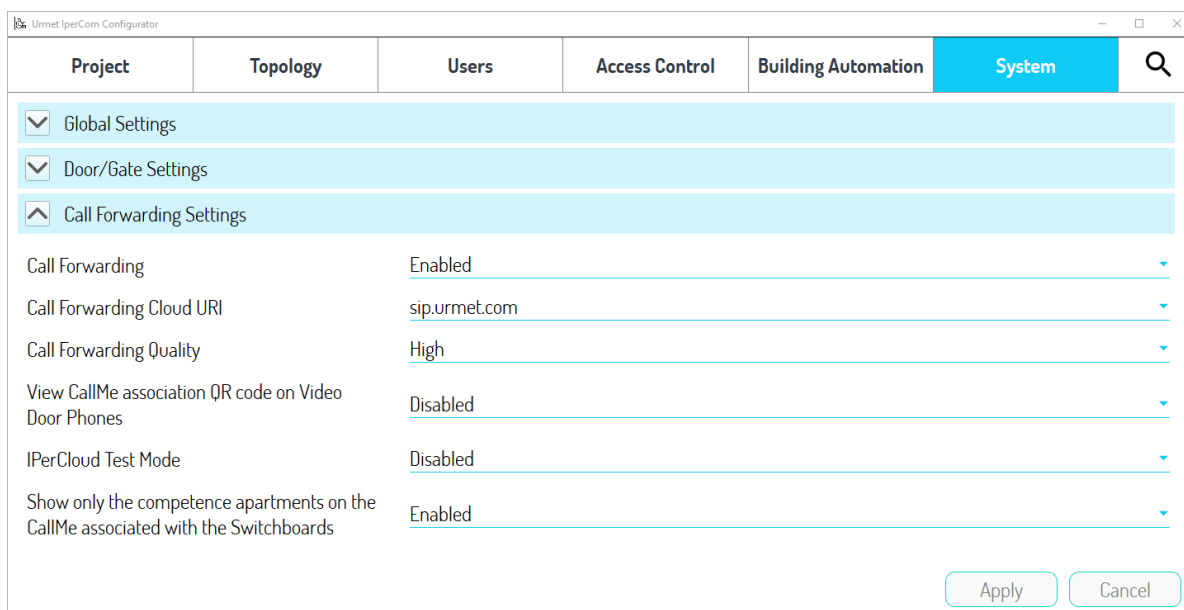


Figure 539: call forwarding parameters in tab “System”

Under the “Call Forwarding” item, check that the value is set to “Enabled”, as shown in the figure above.

In correspondence with the “Call Forwarding Cloud URI” item, it is necessary to set the server on which the user is registered via the *CallMe* app: the default server is “sip.urmet.com”, while the server “cn.sip.urmet.com” is to be used only for the Chinese market.

The “Call Forwarding Quality” item must be set based on the available bandwidth: if you encounter problems in the call, such as jerky video and/or incomprehensible audio, it is best to lower the quality of call forwarding call.

The “IPerCloud Test Mode” item must be disabled.

After finishing the configuration phase, it is necessary to apply it to the system. To do this, you must first save the configuration and exit the *configurator*. Then select the “*Configuration*” tab and press the “*Apply changes*” button to transfer the configuration to the system:

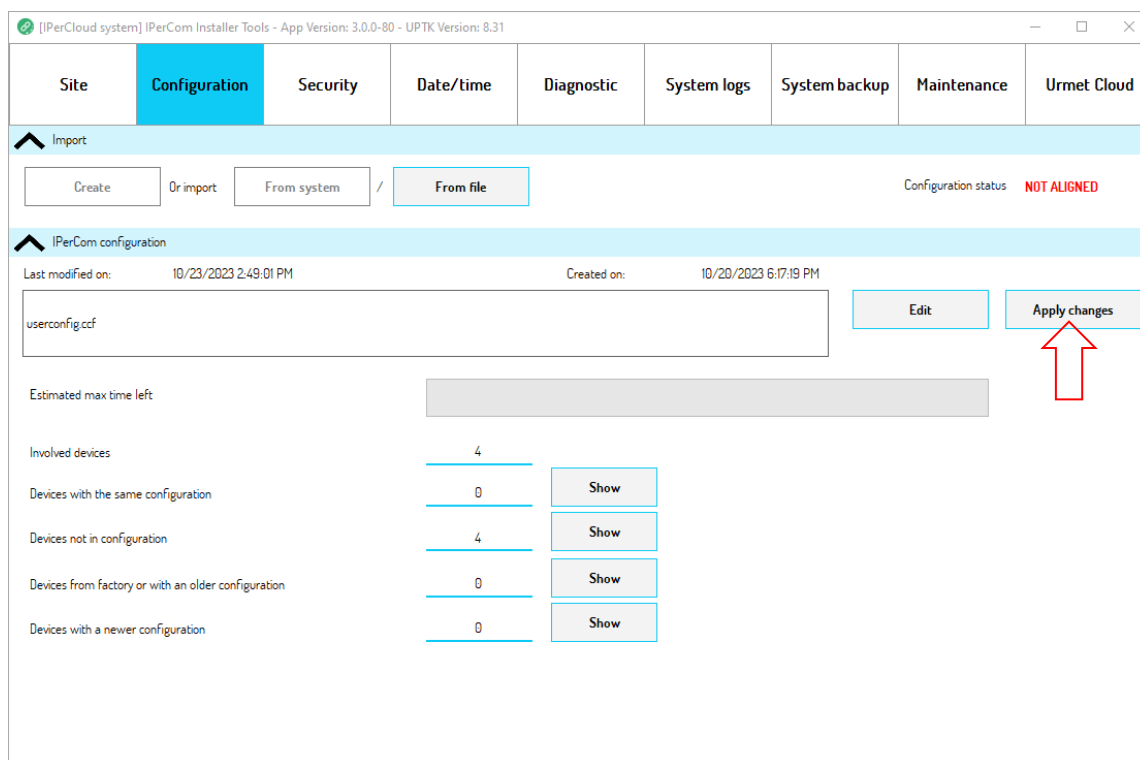


Figure 540: configuration distribution

After this, it is necessary to go to the “Urmet Cloud” tab in the **Site authorization management** section:

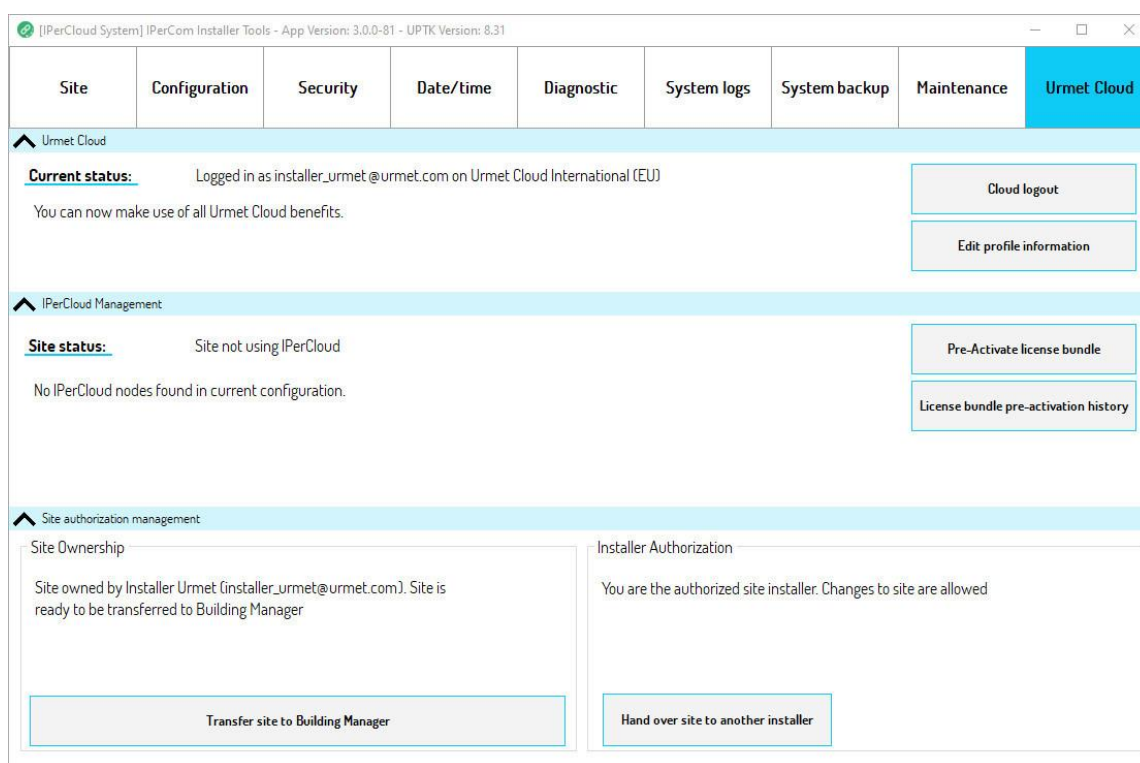


Figure 541: site transfer from installer to building manager

It is necessary to press the “*Transfer site to Building Manager*” button to transfer ownership of the site to the building manager, who with the *CallMe Manager* application will be able to configure the call forwarding service by printing the relevant letters. The following dialog box is shown in which it is necessary to enter the email with which the building manager registered with Urmet Cloud:

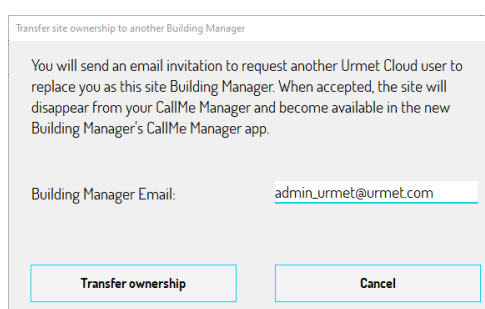


Figure 542: transfer of the site to building manager

By pressing the “*Transfer ownership*” button, an email is sent to the building manager and the correct outcome of the operation is confirmed by the following dialog box:

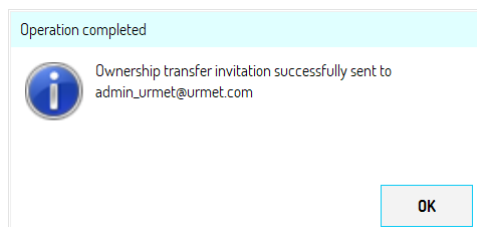



Figure 543: correct outcome of the invitation to the building manager

 *At the time of transfer, it is necessary that any internal stations are installed in the various apartments and connected to the system. If this were not the case, the apartments, whose internal stations are not connected to the system, will not appear in the topological structure transferred to the building manager in the CallMe Manager application.*

### Import of the topological structure of the system and printing of letters (building manager)

The following are the basic steps that the building manager (through the *CallMe Manager* application) must follow to allow users to use the call forwarding function.

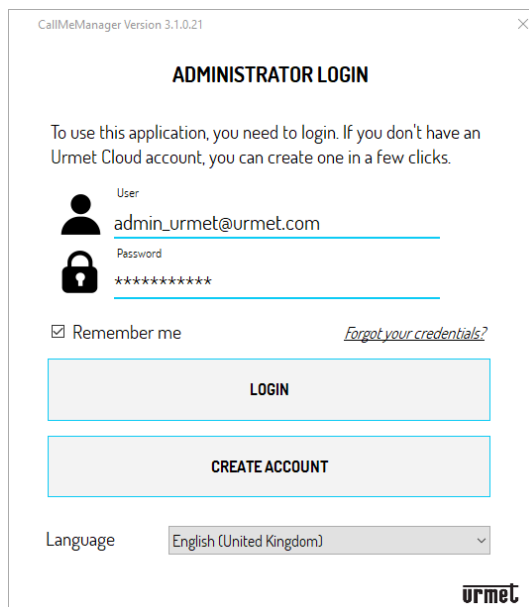
The *CallMe Manager* app and its user manual can be downloaded from the following address: <https://www.urmet.com/en-us/Professional/Tools/Software-and-Firmware>.

The *CallMe Manager* application allows to:

- generate the pdf files to send to users to allow the association of accounts with apartments for use of the call forwarding function;
- manage the accounts of users who use the call forwarding function.

Before using the *CallMe Manager* application, the building manager must open the email that he received following the transfer of the site from the installer and press on the relevant link to make the transfer effective. The positive outcome of the operation is confirmed by the message "*Site acquired successfully*".

At this point it is possible to start the *CallMe Manager* application, authenticate with the Urmet Cloud account previously created by the building manager and press the "Login" button:



CallMeManager Version 3.1.0.21

### ADMINISTRATOR LOGIN

To use this application, you need to login. If you don't have an Urmet Cloud account, you can create one in a few clicks.

User  
admin\_urmet@urmet.com

Password  
\*\*\*\*\*

☒ Remember me [Forgot your credentials?](#)

**LOGIN**

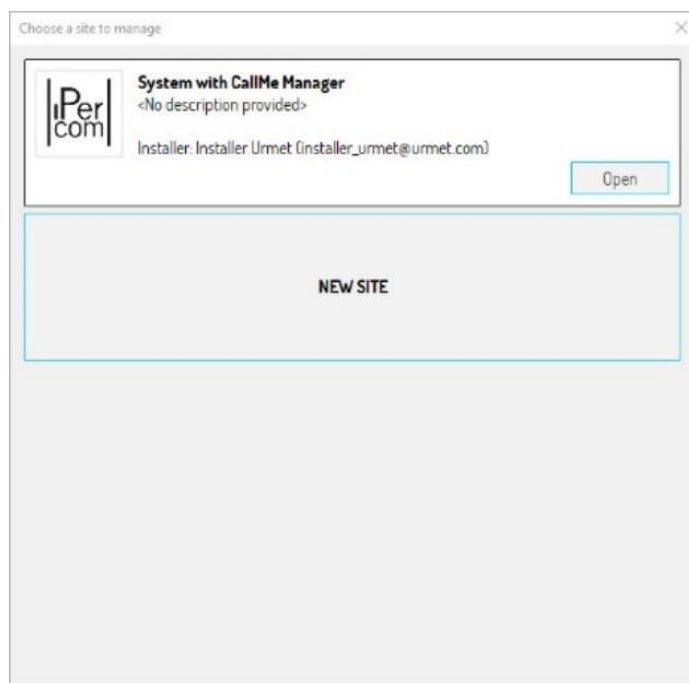
**CREATE ACCOUNT**

Language: English (United Kingdom)


**urmet**

Figure 544: CallMe Manager login window

The *CallMe Manager* application shows the following dialog box relating to the presence of a new site ("System with CallMe Manager") transferred to the building manager account:



Choose a site to manage



**System with CallMe Manager**  
<No description provided>  
Installer: Installer Urmet (installer\_urmet@urmet.com)

**Open**

**NEW SITE**

Figure 545: new site transferred to building manager

By pressing the “Open” button, the homepage of the *CallMe Manager* application appears with the new site loaded:

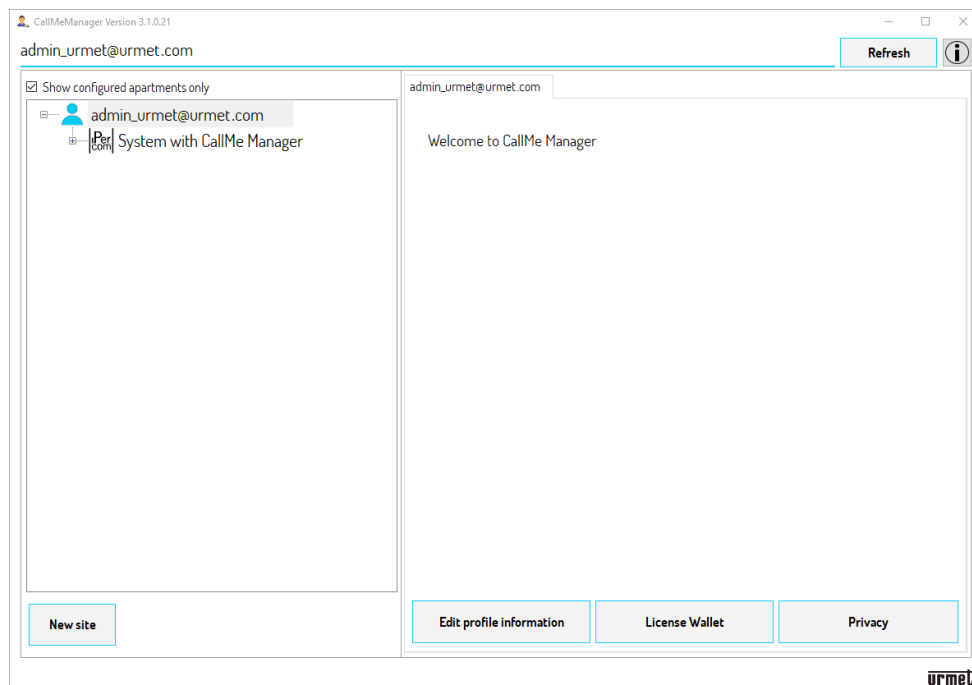


Figure 546: CallMe Manager app homepage

By expanding the topological structure, it is possible to view all the topological nodes present in the system, that is blocks, stairs, floors, and apartments:

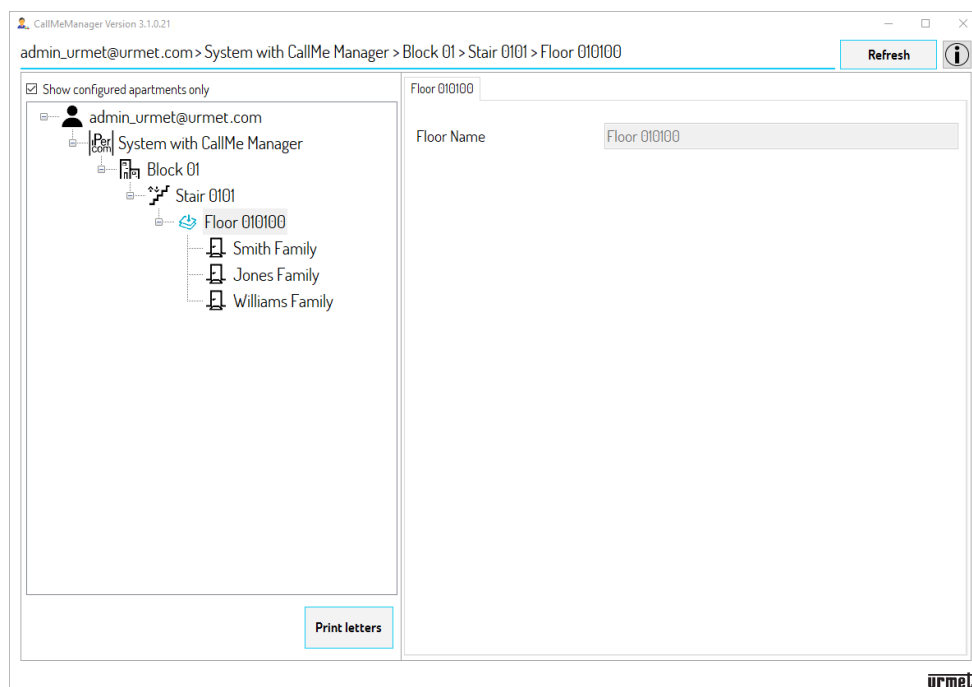


Figure 547: topological structure of the system

Once the topology has been imported, it is necessary to generate the letters (pdf file) which must be sent via email or post to the users, to allow the association of the accounts with the apartments (via the *CallMe* app) and the use of the function call forwarding: to do this, press the *“Print letters”* button.

Depending on the selected node, the letters of the users (and/or switchboard operator, if present) who are in the topological group of the node in question (including the node itself) are generated.

For example, if in the topological structure there is a block with 2 stairs (*“Stair 1”* and *“Stair 2”*) in which there are 10 floors in each stair and 10 apartments in each floor, positioning on the *“Stair 1”* node, only the letters for the users/apartments present in the *“Stair 1”* node are generated, that is 100 letters.

Relative to the previous figure, a pdf file with 3 letters is generated:

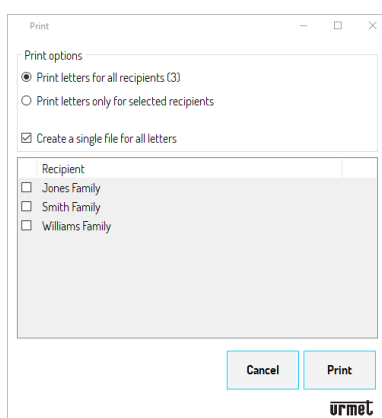


Figure 548: Print of pdf letters

The *“Print letters for all recipients”* item allows you to generate pdf files for all recipients present within the selected node.

The *“Print letters only for selected recipients”* item allows you to generate pdf files only for selected recipients (to select a recipient, tick the box next to the recipient's name).

By checking the *“Create a single file for all letters”* box, a single pdf file containing all the letters from all recipients is generated (useful option for printing). If the box is not checked, a pdf file is generated for each individual recipient (useful option if you want to send pdf files for each recipient via email).

Press the *“Print”* button to generate letters in pdf format to send to users.

### Activating and enabling the call forwarding feature (end-user)

The following are the basic steps that the end-user must perform with the *CallMe* app, after receiving the letter from the building manager, to activate the call forwarding feature. For all information on configuring the app, refer to the [relevant booklet](#) on the website [www.urmet.com](http://www.urmet.com).

Download the app from the Apple Store (iOS) or the Play Store (Android).

Launch the app and after displaying the onboarding windows, press on the “Let’s get started” button. The login page is displayed:

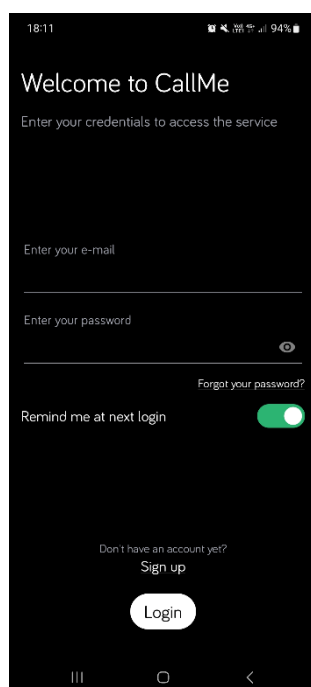


Figure 549: app login page or to create an account

Once logged in with a newly created or existing account, the application homepage is displayed:

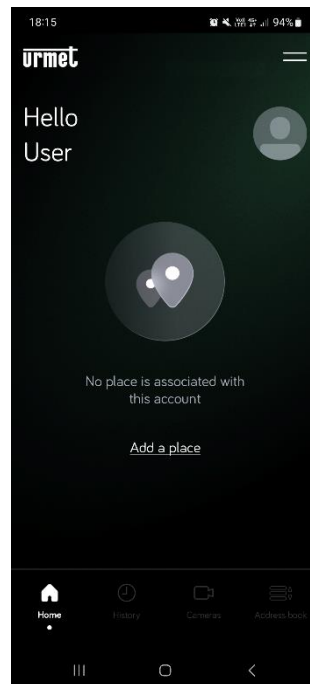


Figure 550: application homepage

Pressing the “Add a place” button the following screen appears:

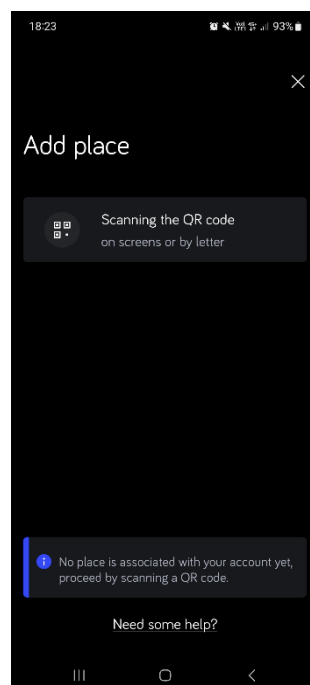


Figure 551: add of a place

Press the "Scanning the QR code" button to start the QR Code Reader application, then scan the QR code displayed in the letter sent by the building manager relating, for example, to the first apartment. The app shows the following screen:

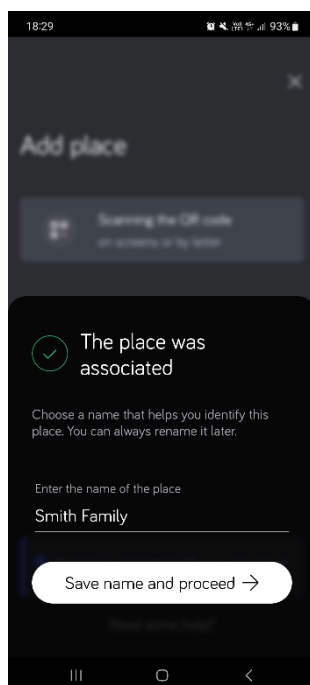


Figure 552: association of a place/apartment with the CallMe account

If you want, you can change the name "Smith Family". By pressing the "Save name and proceed" button, the CallMe application home page appears as shown below:

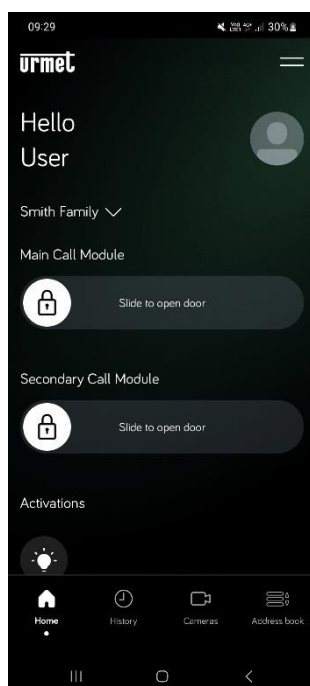




Figure 553: account associated with the apartment

At this point on the video door phone, it is necessary to:

- press the “*Activate and Verify*” button to activate the call forwarding function and verify its correct activation;
- check that the apartment's master video door phone automatically shows (if the function is activated for the first time) the *Remote* mode icon;

Depending on the video door phone model, the various steps to carry out the above are shown.

VIDEO DOOR PHONE 7" VOG<sup>7</sup> 1761/31-32-33, 7" MAX 1717/31-32-33-34-41, 10" MAX 1717/21-22-23, 7" BASIC 1741/1-2-3

- Switch on the master video door phone display by pressing anywhere on the screen or by pressing the Home button.
- If you are not already viewing the *Video Door Phone* page, press the icon  to access the "Top Page" and then the icon :

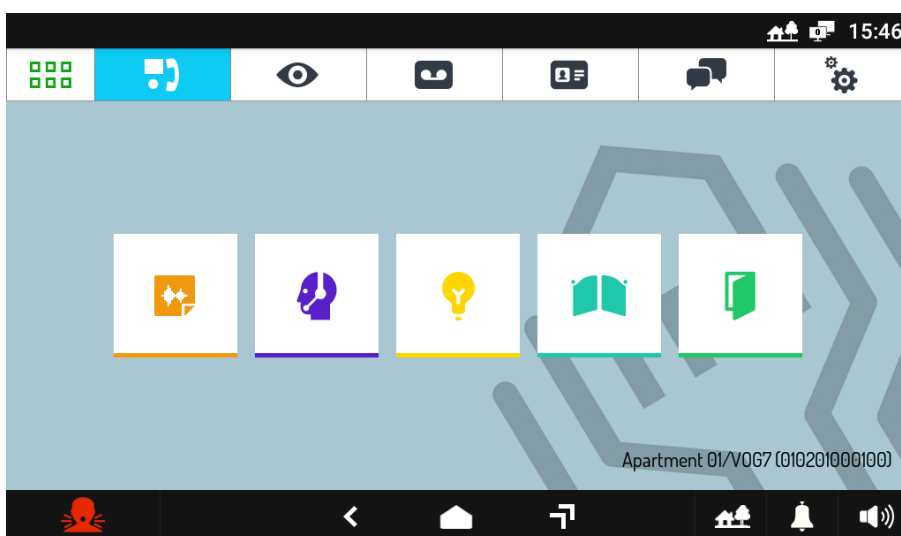



Figure 554: video door phone application

- Press the icon  at the top right to access the video door phone configuration page:

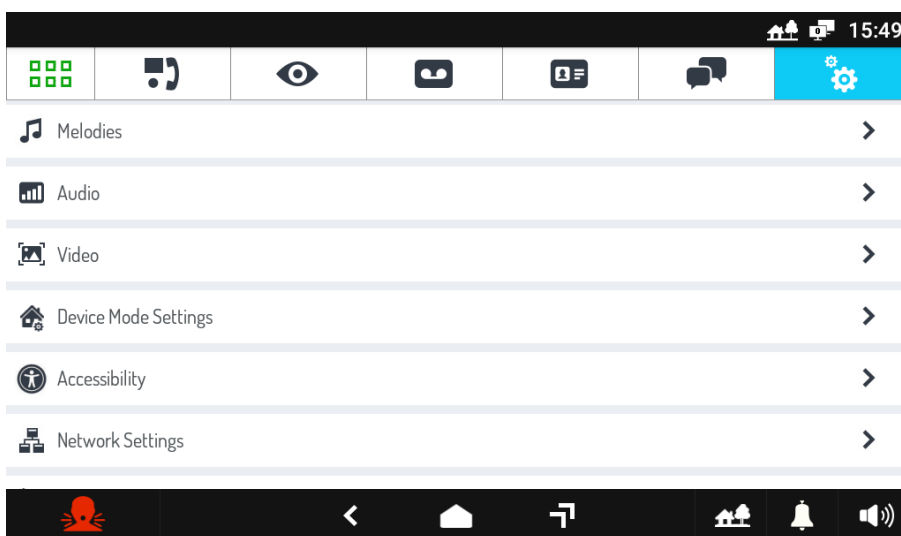


Figure 555: video door phone application settings

- Press on the “*Device Mode Settings*” item:

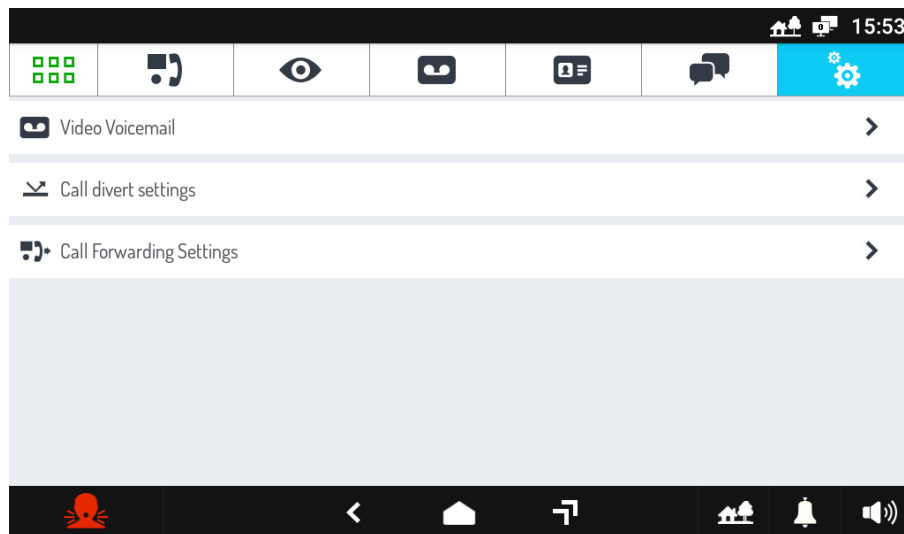


Figure 556: device mode settings

- Press on the item “*Call Forwarding Settings*” and then on the item “*Activate/Verify Call Forwarding service*”:

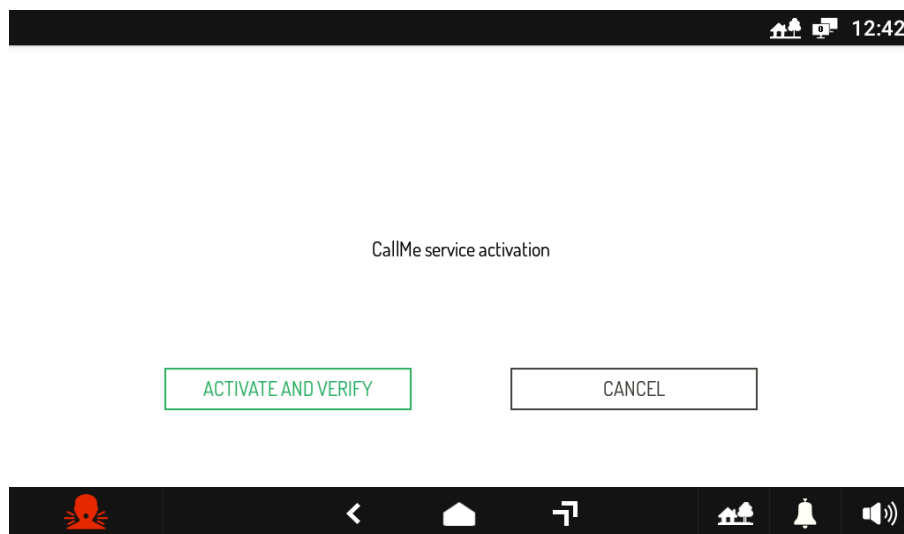


Figure 557: activation and verification of the call forwarding function

- Press the “ACTIVATE AND VERIFY” button and check that the following screen is shown for correct activation of the service:

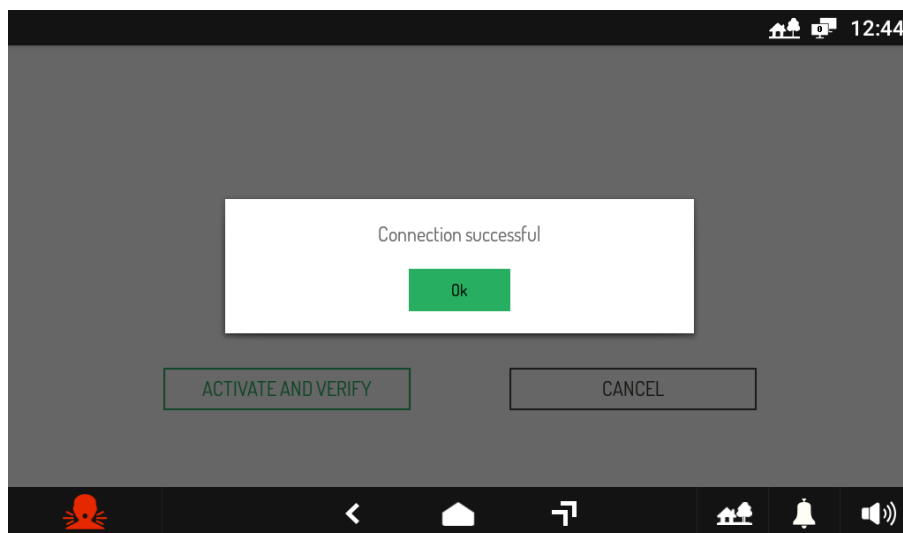


Figure 558: correct activation of the call forwarding function

As a last step it is necessary to check that the icon  appears at the bottom and top right of the master video door phone display as shown below:

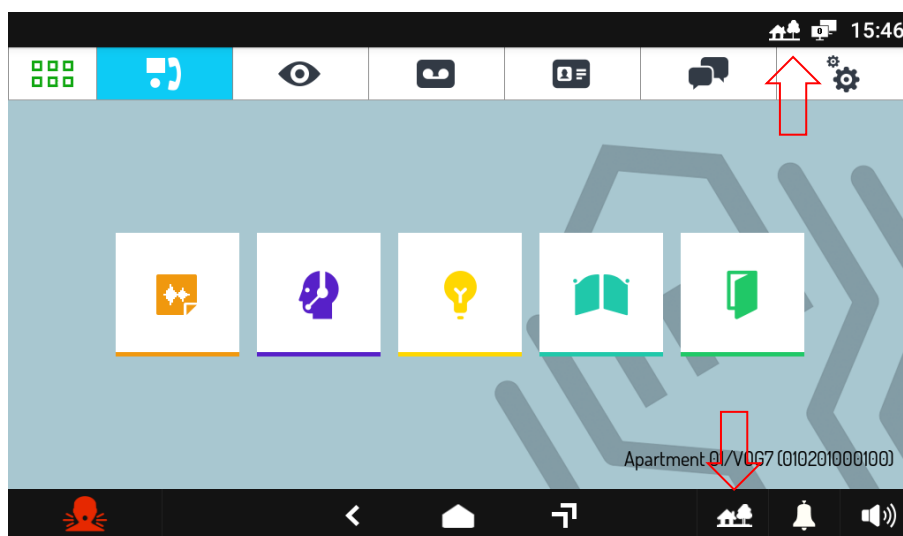




Figure 559: operating icon in “Remote” mode




On any slave video door phones, the “Remote” mode operating icon is only shown at the top right.



If operation in “Remote” mode has already been activated and deactivated previously on the video door phone, the relevant icon must be activated manually: it is necessary to press the icon  (bottom right) only on the master video door phone and then select the icon .

## VIDEO DOOR PHONE VOG<sup>5+</sup> 1761/15-16-18-19

- Press the button  twice to access the homepage, the following screen appears on the video door phone display:

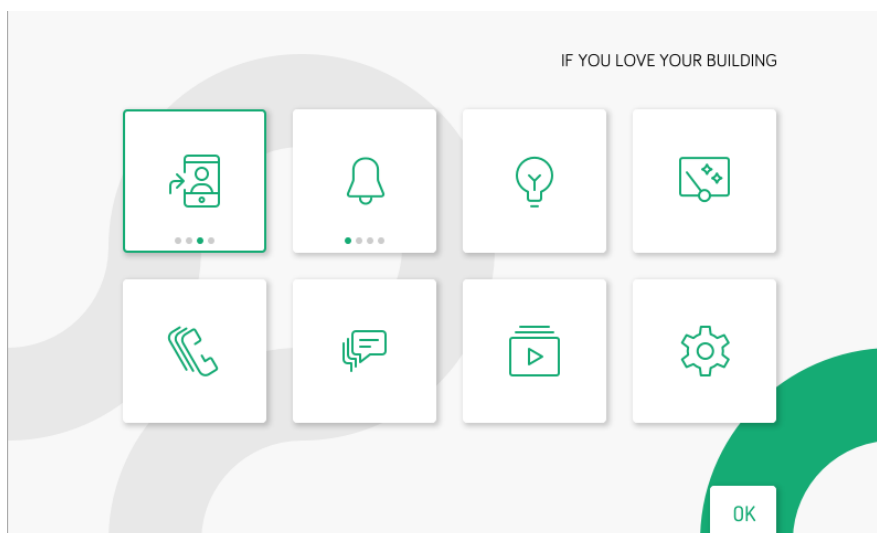








Figure 560: homepage

- Press the , ,  and  buttons to select the following icon , then press the button  to access the video door phone configuration menu:

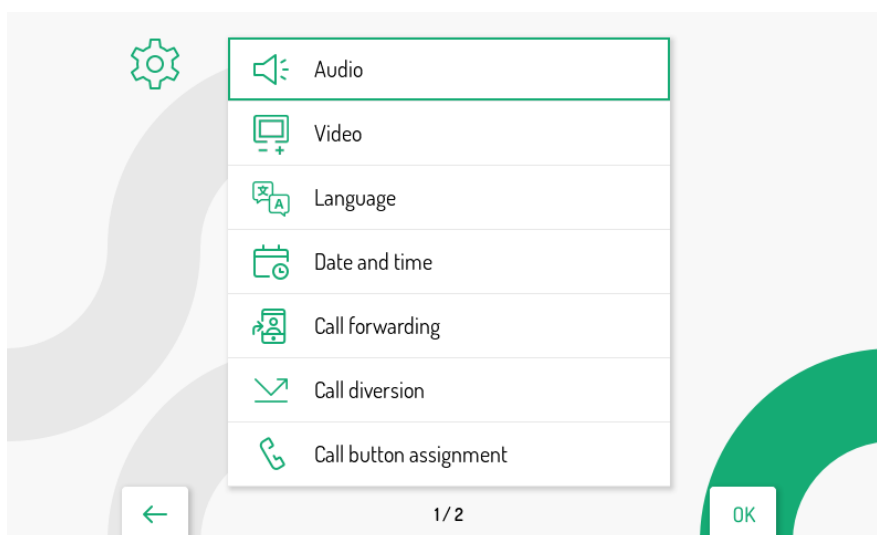




Figure 561: setting menu

- Press the  button and select the “*Call forwarding*” item, press the button  to confirm the selection.
- The following screen appears on the display:

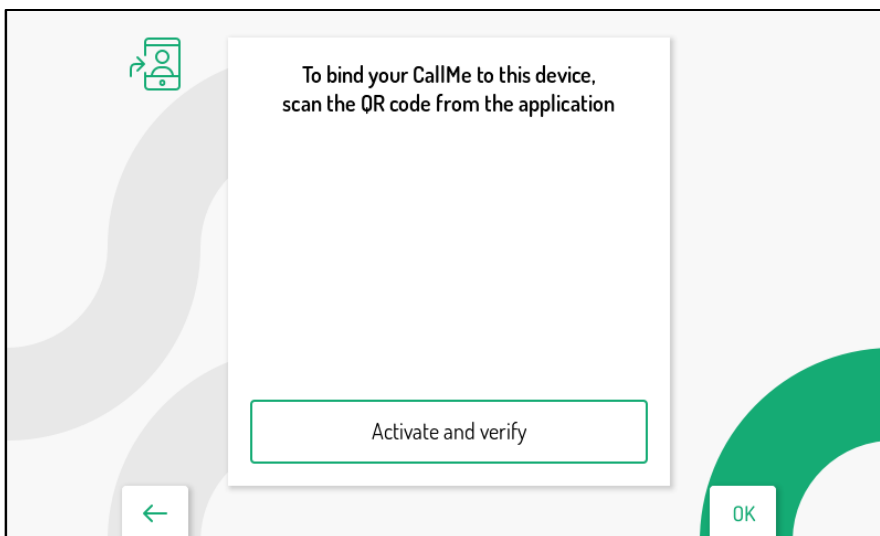



Figure 562: activation and verification button

- Press the “*Activate and verify*” item using the button  and check that the following screen is shown for correct activation of the service:

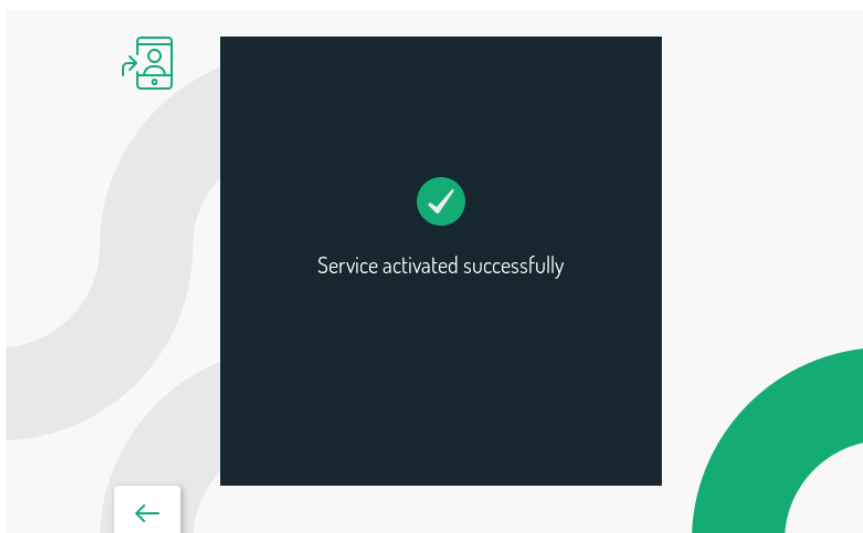



Figure 563: correct activation of the call forwarding function

As a last step it is necessary to check that the icon  as shown below appears on the homepage of the master video door phone:

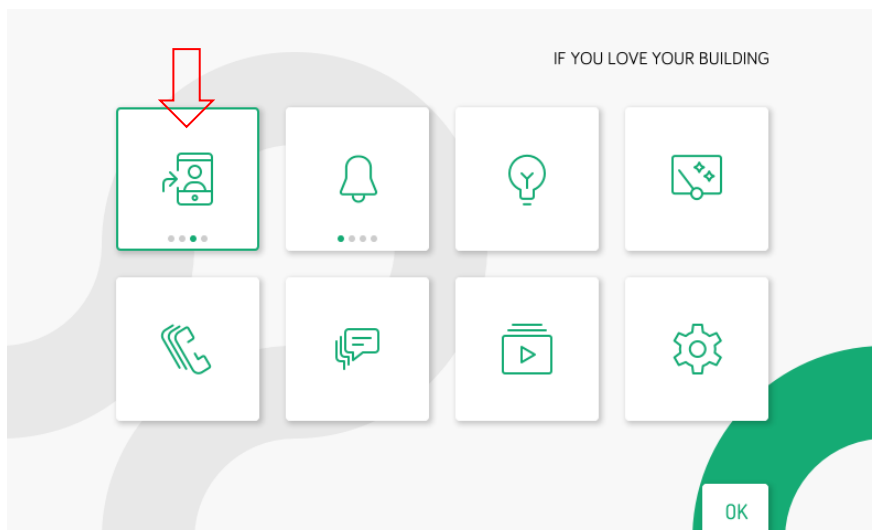






Figure 564: operating icon in "Remote" mode




On any slave video door phones, it is possible to view the "Remote" mode operating icon at the top right by pressing the button  once with the screen off.



If operation in "Remote" mode has already been activated and deactivated previously on the video door phone, the relevant icon must be activated manually: it is necessary (only on the master video door phone) to select the icon  and with button  select the icon .

## VIDEO DOOR PHONE VOG<sup>5</sup> 1761/6

- Access the configuration menu by pressing and holding down the button  for at least 5 seconds with the display off:

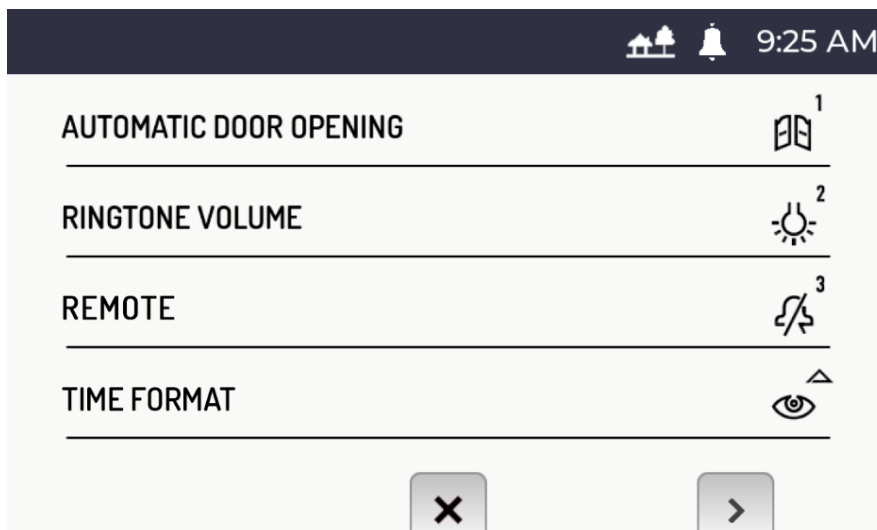



Figure 565: configuration menu (first window)

- Press the button  to display the second window of parameter configuration:

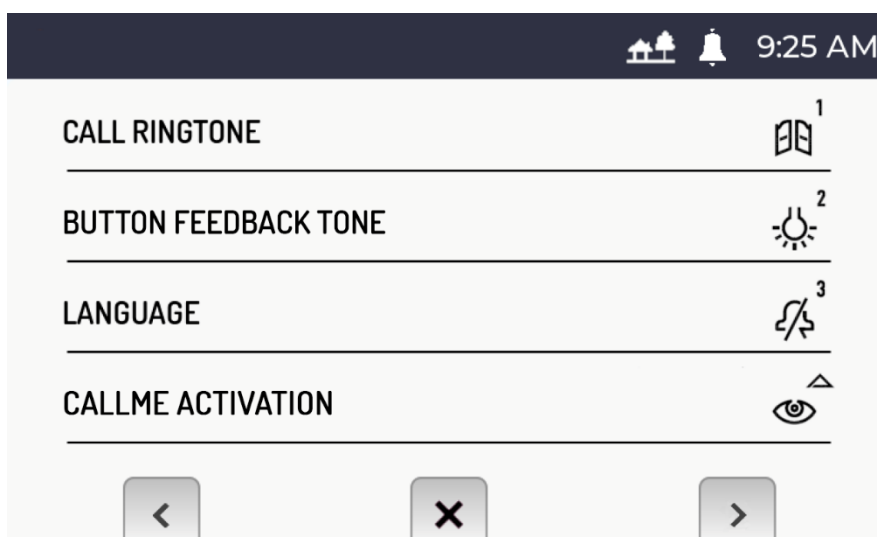



Figure 566: configuration menu (second window)

- Press the button  in the second screen of the configuration menu, the display will show the following window:

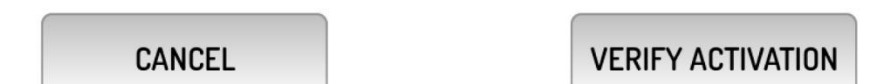



Figure 567: verify the correct activation of the call forwarding function

- Press the “VERIFY ACTIVATION” item using the button  and check that the following screen is shown for correct activation of the service:

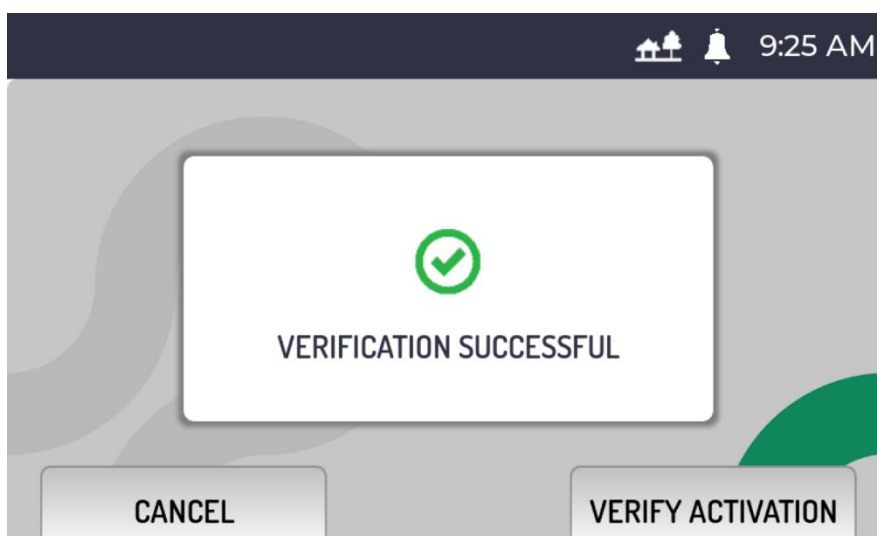





Figure 568: correct activation of the call forwarding function

As a final step, press the button  and then the button  and check that the icon  appears on the homepage of the master video door phone at the top right, as shown below:

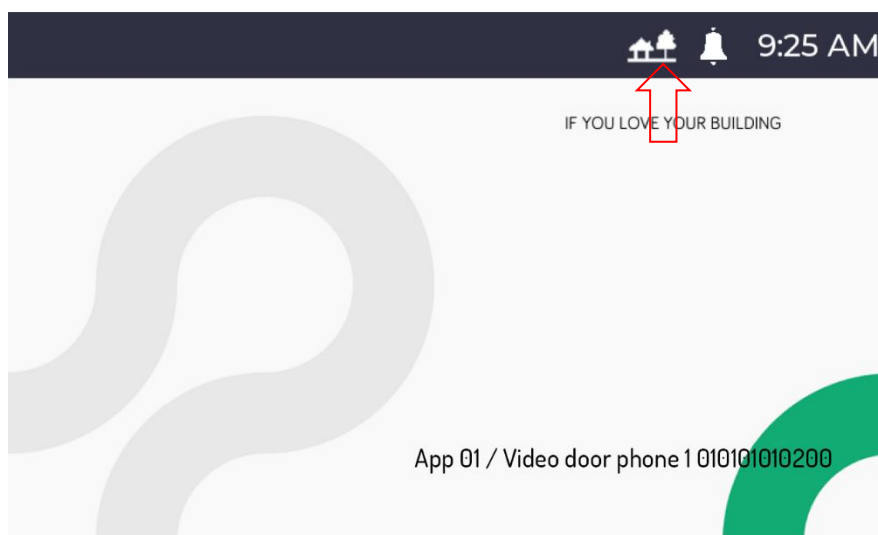






Figure 569: operating icon in "Remote" mode


 On any slave video door phones, it is possible to display the operating icon in "Remote" mode in the same way as seen for the master video door phone.

 If operation in "Remote" mode has already been activated and deactivated previously on the video door phone, the relevant icon must be activated manually: it is necessary (only on the master video door phone) with the screen off, press and hold down the icon  for at least 5s and use the button  to set the "Remote" mode.

At this point the configuration of the call forwarding service is finished and the *CallMe* app is ready for use.

The main features of the *CallMe* app are listed below:

- call forwarding to the apartment on smartphone/tablet (video door phone must be set in "remote" mode;
- auto-on on calling stations;
- intercom call to apartment stations;
- sending activation commands;
- door and gate opening even outside of the call.

 Auto-on on RTSP cameras is not supported by *CallMe* app.



*The QR code on PDF document sent by the building manager can only be used once. It cannot be used again after it has been scanned. The entire service activation procedure must be performed after scanning. If procedure is interrupted, the building manager will have to generate a new document with a new QR code to allow service activation.*



*Once the call forwarding function has been configured for the various apartments and Switchboard applications, it is of fundamental importance not to redo a new system configuration from scratch (even if the topology is the same): if so, the procedure described above to associate the smartphone/tablet to apartments/Switchboard applications is to be repeated.*

### 8.1.12.2 *Configuring call forwarding function without CallMe Manager application support*

The following are the various actions to be performed to properly configure the function for “Villa Kit (one-household)” system type.

Configuration can be done by the installer directly from the VOG<sup>7</sup>, Basic or MAX video door phones as these video door phones integrate the app *configurator*.



*If the single-family system does not have video door phones that integrate the configurator, then you must use the IPerCom Installer Tools application for the configuration only.*

#### 1. INSTALLER

- Connect a router to the IPerCom system network that can provide Internet access;
- Use the *configurator* of one of the system’s video door phones to create a configuration and verify that the parameters of the call forwarding function are correct.



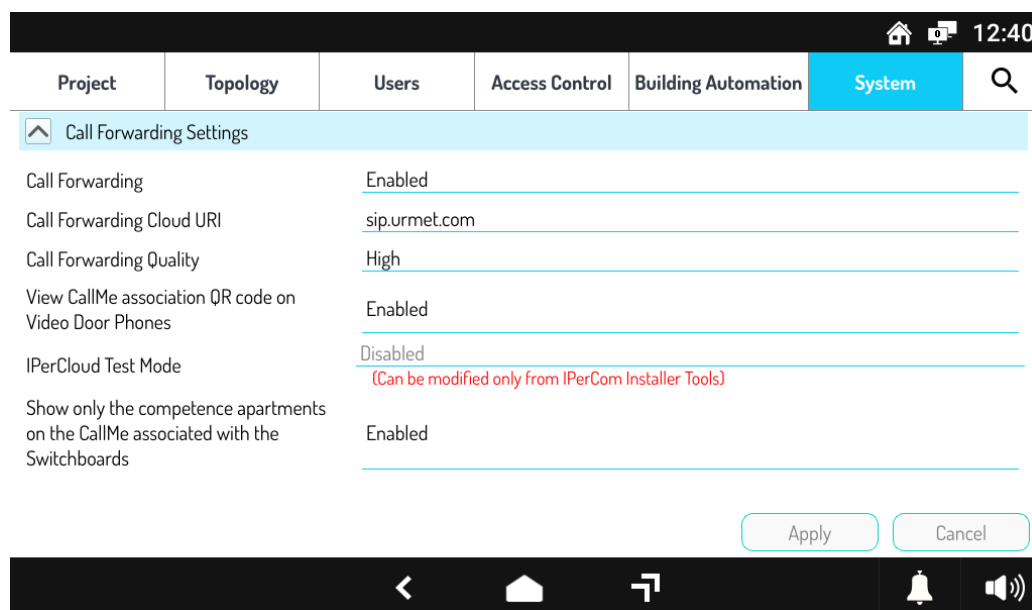
*To create a configuration from a video door phone, follow the steps outlined in paragraph [Upgrading and configuring a](#).*

#### 2. END-USER

- Install the *CallMe* app, distributed for Android and iOS operating systems and downloadable from the relevant stores;
- Create an Urmet Cloud account and authenticate with this account on the Urmet cloud via the *CallMe* app;
- Scan the QR-code present on the master video door phone to associate the account with the apartment;
- Activate the call forwarding function, check its correct activation, check that the apartment's master video door phone shows the “Remote” mode icon (for further details see the video door phone user manual available on the website [www.urmet.com](http://www.urmet.com));
- Share access to the plant with other users through the *CallMe* app (if required).

## Configuration of the system and parameters of the call forwarding function (installer)

Through the configurator of one of the plant's video door phones, the installer creates the project and the related configuration, that is defines the only allowed system topology ("*Villa Kit (one-household)*"), adds the devices on the topological nodes, assigns appropriate names to the devices, apartments, and topological nodes, creates the address books, the users, and activations, configure the parameters of the call forwarding function in the "System" ---> "*Call Forwarding Settings*" section of the *configurator* (as shown below):



The screenshot shows the iPercom configurator interface. At the top, there is a navigation bar with tabs: Project, Topology, Users, Access Control, Building Automation, and System (which is currently selected). Below the navigation bar, the 'Call Forwarding Settings' section is expanded, showing a list of settings:

Setting	Value
Call Forwarding	Enabled
Call Forwarding Cloud URI	sip.urmet.com
Call Forwarding Quality	High
View CallMe association QR code on Video Door Phones	Enabled
IPerCloud Test Mode	Disabled (Can be modified only from IPerCom Installer Tools)
Show only the competence apartments on the CallMe associated with the Switchboards	Enabled

At the bottom of the settings list, there are 'Apply' and 'Cancel' buttons. The bottom of the screen shows a navigation bar with icons for back, home, and forward, along with a notification bell and a speaker icon.

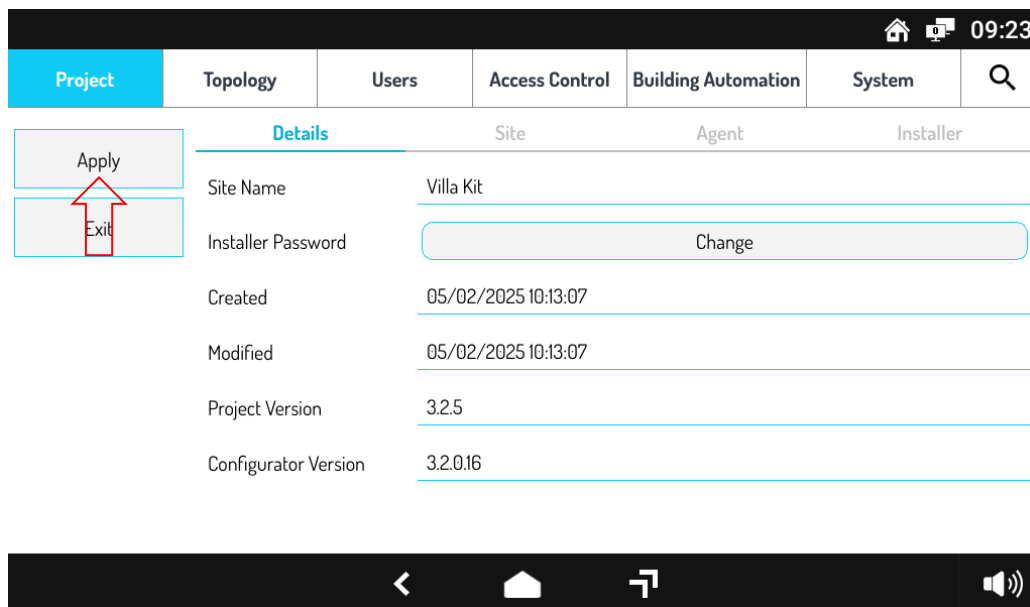
Figure 570: call forwarding parameters in tab "System"

In correspondence with the "*Call Forwarding*" item, check that the value is set to "*Enabled*", as shown in the figure above.

In correspondence with the "*Call Forwarding Cloud URI*" item, it is necessary to set the server on which the user is registered via the *CallMe* app: the default server is "*sip.urmet.com*", while the server "*cn.sip.urmet.com*" is to be used only for the Chinese market.

The "*Call forwarding quality*" item must be set based on the available bandwidth: if you encounter problems in the call, such as jerky video and/or incomprehensible audio, it is best to lower the quality of call forwarding call.

After finishing the configuration, you need to apply it to the plant. To do this, you need to select the “Project” tab and press the “Apply” button:



The screenshot shows the iPercom configuration interface. At the top, there is a navigation bar with tabs: Project (selected), Topology, Users, Access Control, Building Automation, and System. Below the tabs, there is a table with columns: Details, Site, Agent, and Installer. The 'Details' column contains the following information:

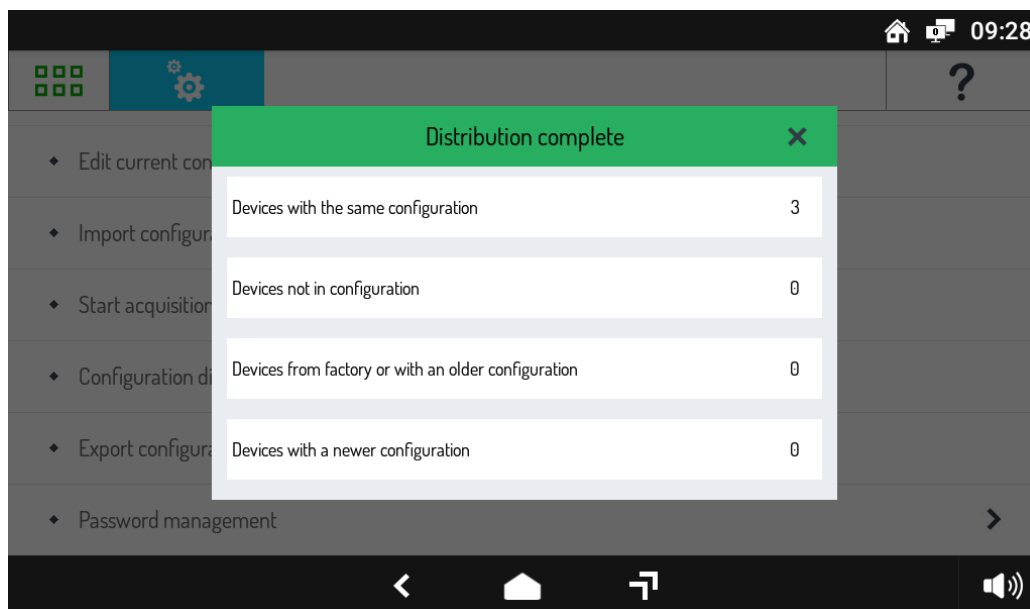
Details	Site	Agent	Installer
Site Name	Villa Kit		
Installer Password	<input type="text" value="Change"/>		
Created	05/02/2025 10:13:07		
Modified	05/02/2025 10:13:07		
Project Version	3.2.5		
Configurator Version	3.2.0.16		

On the left side of the table, there are two buttons: 'Apply' and 'Exit'. A red arrow points to the 'Apply' button.

Figure 571: configuration transfer

By pressing “Yes” on the corresponding dialog box, the configuration is deployed to the system.

The correct configuration deployment is indicated by the green bar, as shown below:



The screenshot shows the iPercom configuration interface with a 'Distribution complete' dialog box displayed. The dialog box has a green header bar with the text 'Distribution complete' and a close button (X). The dialog box contains the following information:

Category	Count
Devices with the same configuration	3
Devices not in configuration	0
Devices from factory or with an older configuration	0
Devices with a newer configuration	0

The background interface shows a sidebar with various configuration options: Edit current configuration, Import configuration, Start acquisition, Configuration distribution, Export configuration, and Password management.

Figure 572: distribution of configuration completed

At this point you must close the configuration distribution window and exit configuration mode.

### Activating and enabling the call forwarding feature (end-user)

Below the basic steps that the end-user must perform with the *CallMe* app to activate the call forwarding function are reported. For all information on configuring the app, refer to the [relevant booklet](#) on the website [www.urmet.com](http://www.urmet.com).

Download the app from the Apple Store (iOS) or the Play Store (Android).

Launch the app and after displaying the onboarding windows, press on the “*Let’s get started*” button.

The login page is displayed:

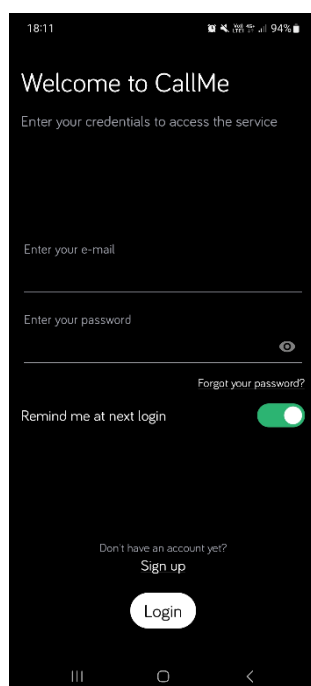


Figure 573: app login page or to create an account

Once logged in with a newly created or existing account, the application homepage is displayed:

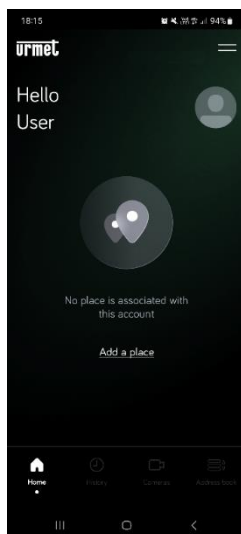


Figure 574: create an account or log in

Pressing the “Add a place” button the following screen appears:

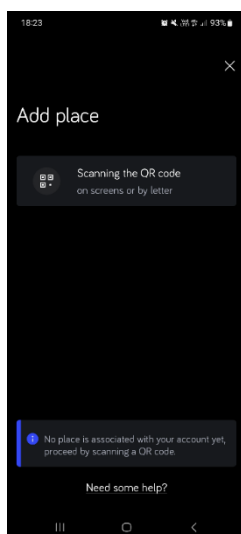




Figure 575: add of a place

Press the "Scanning the QR code" button to start the QR Code Reader application, then scan the QR code displayed on the apartment video door phone. Depending on the video door phone model, the various steps to view the QR code to scan are shown.

VIDEO DOOR PHONE 7" VOG<sup>7</sup> 1761/31-32-33, 7" MAX 1717/31-32-33-34-41, 10" MAX 1717/21-22-23, 7" BASIC 1741/1

- Switch on the master video door phone display by pressing anywhere on the screen or by pressing the Home button.
- If you are not already viewing the *Video Door Phone* page, press the icon  to access the "Top Page" and then the icon :

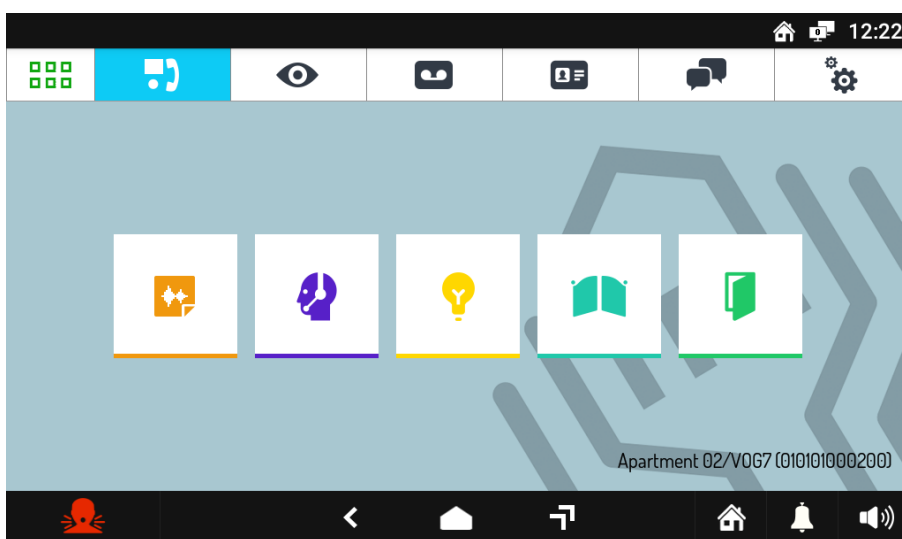



Figure 576: video door phone application

- Press the icon  at the top right to access the video door phone configuration page:

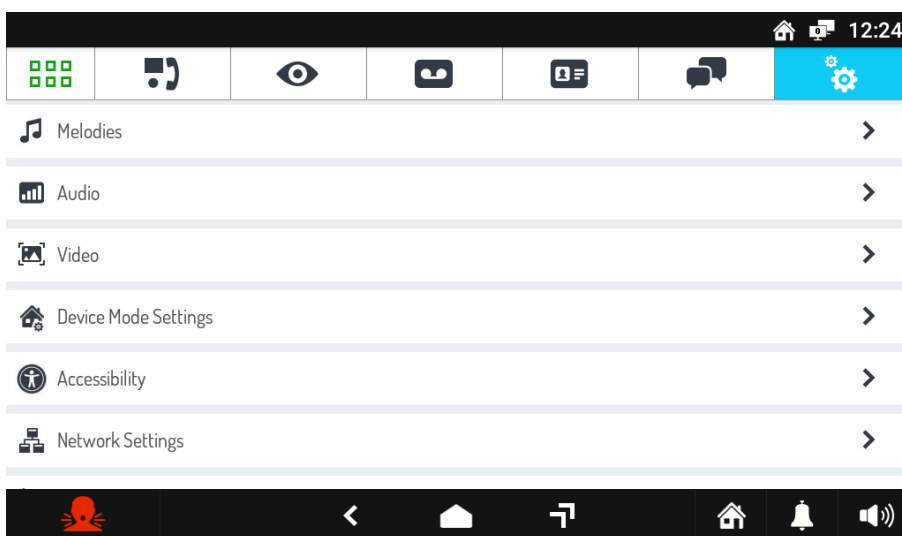


Figure 577: video door phone application settings

- Press on “Device Mode Settings” item:

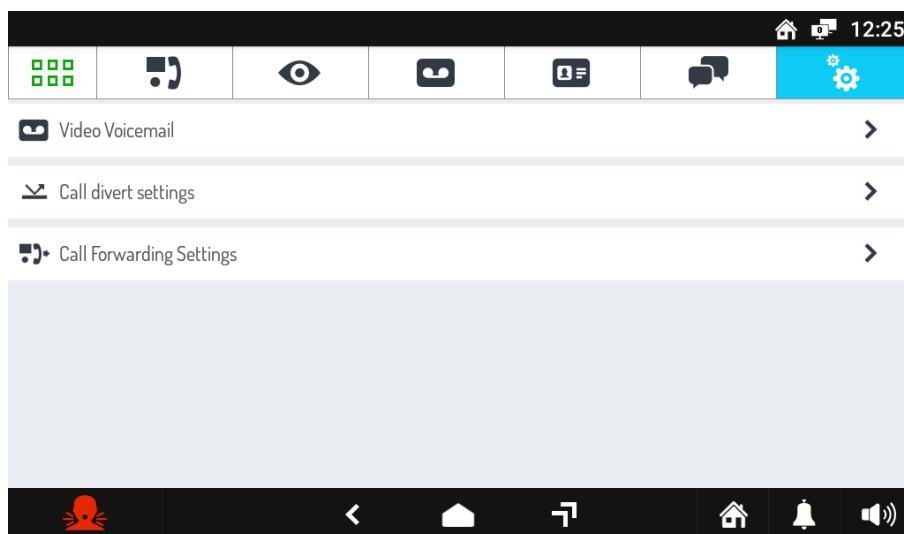


Figure 578: device mode settings

- Press on the item “Call Forwarding Settings” and then on the item “Activate/Verify Call Forwarding service”:

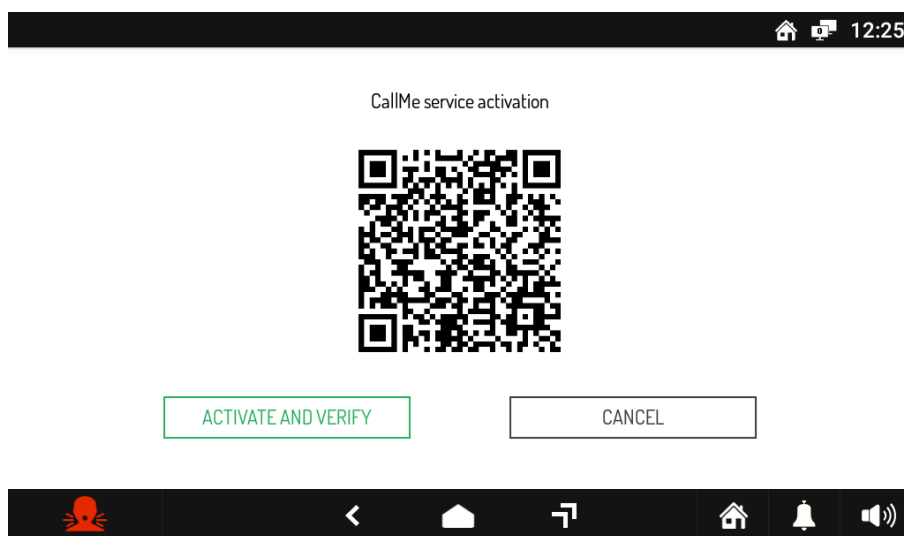



Figure 579: QR code for call forwarding function activation

## VIDEO DOOR PHONE VOG<sup>5+</sup> 1761/15-16-18-19

- Press the button  twice to access the homepage, the following screen appears on the video door phone display:

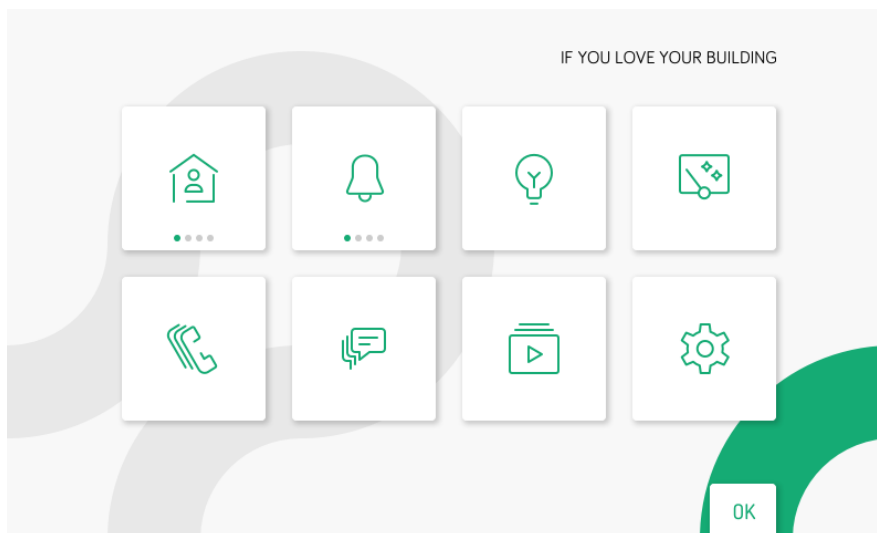








Figure 580: homepage

- Press the , ,  and  buttons to select the following icon , then press the button  to access the video door phone configuration menu:

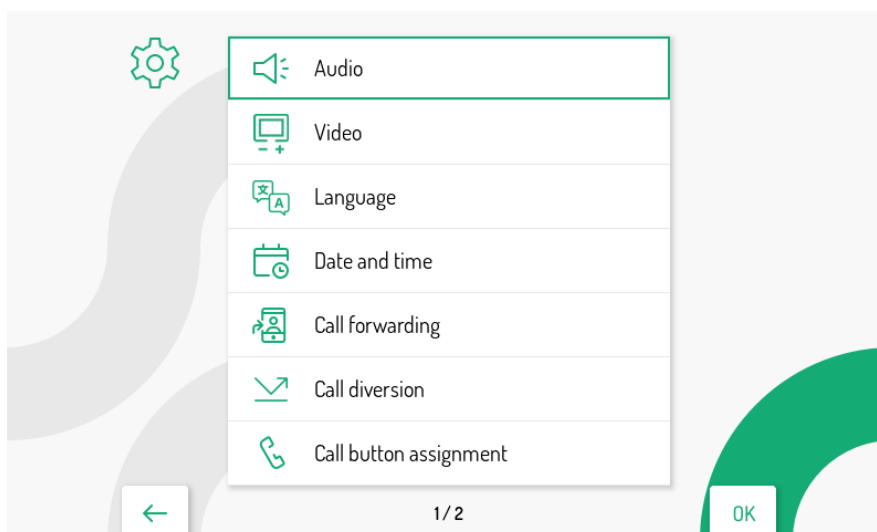




Figure 581: configuration menu

- Press the  button and select the “Call forwarding” item, press the button  to confirm the selection.
- The following screen appears on the display:

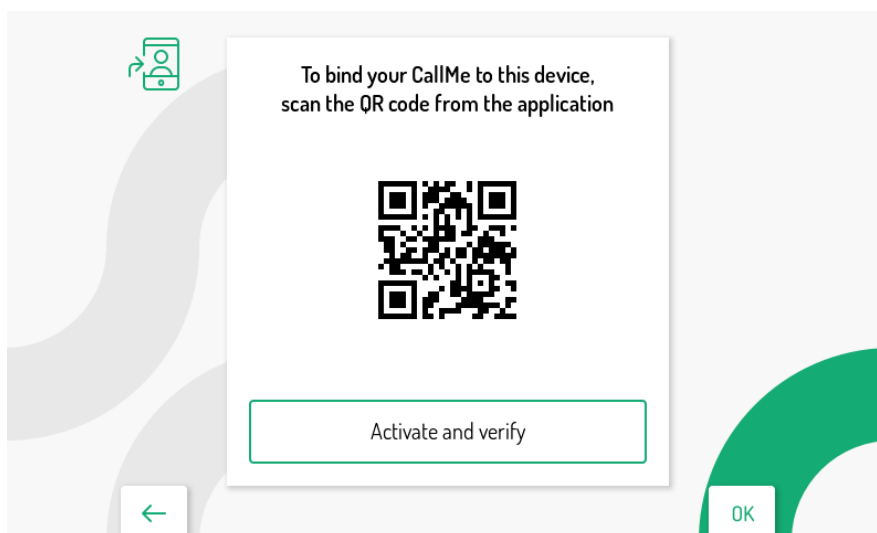



Figure 582: QR-code to associate the account with the apartment

## VIDEO DOOR PHONE VOG<sup>5</sup> 1761/6

- Access the configuration menu by pressing and holding down the button  for at least 5 seconds with the display off:

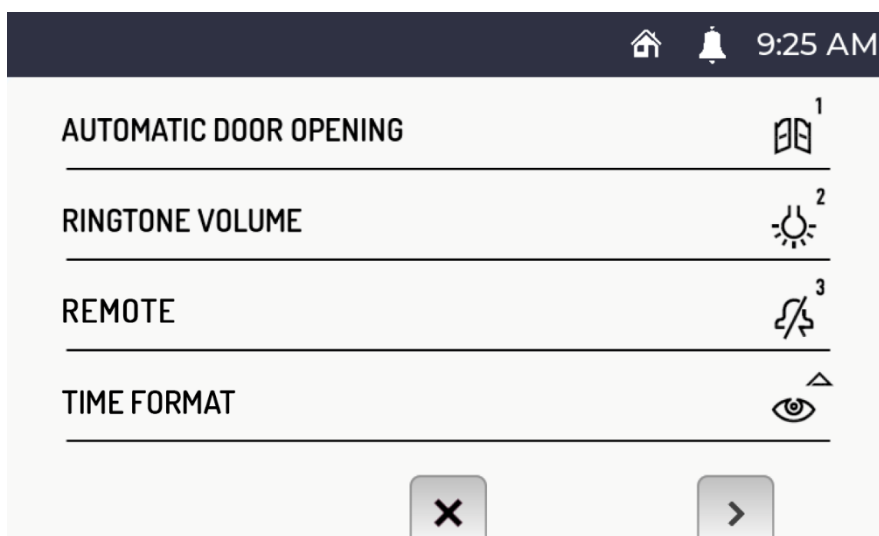



Figure 583: configuration menu (first window)

- Press the button  to display the second window of parameter configuration:

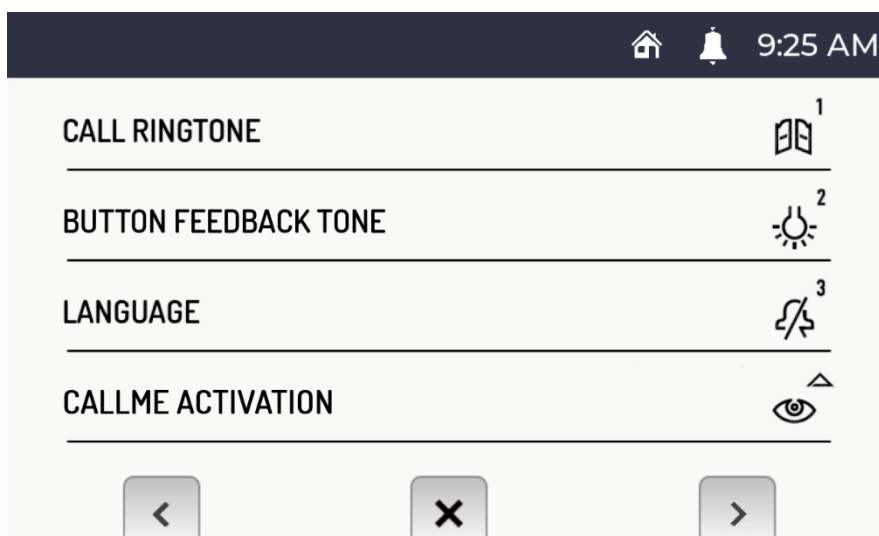

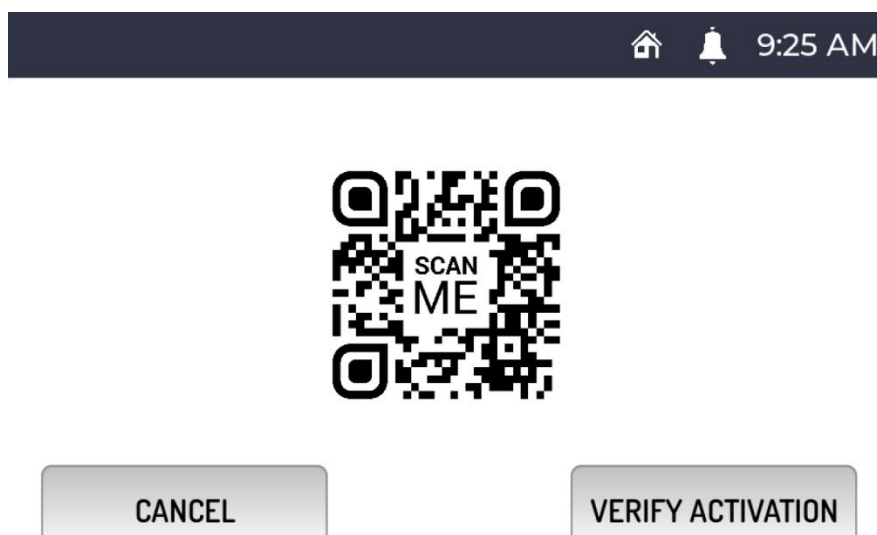


Figure 584: configuration menu (second window)

- Press the button  in the second screen of the configuration menu, the display will show the following window:



*Figure 585: QR-code to associate the account with the apartment*

After scanning the QR-code (in one of the three cases above), the app shows the following screen:

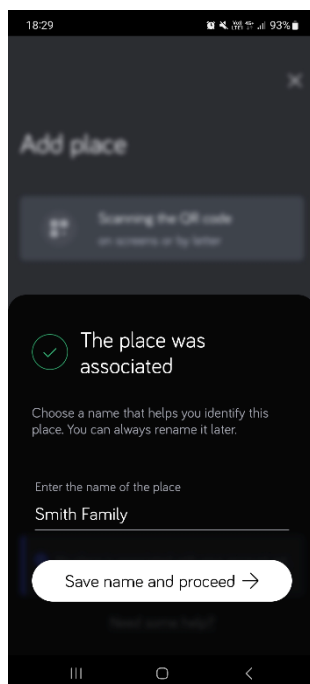


Figure 586: association of a place/apartment with the CallMe account

If you want, you can change the name “Smith Family”. By pressing the “Save name and proceed” button, the CallMe application home page appears as shown below:

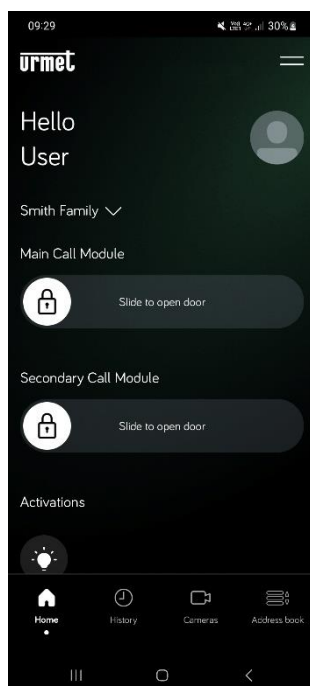


Figure 587: the account has been associated with the apartment

At this point on the video door phone, it is necessary to:

- press the “*Activate and Verify*” button to activate the call forwarding function and verify its correct activation;
- check that the apartment's master video door phone automatically shows (if the function is activated for the first time) the *Remote* mode icon.

The “*Activate and Verify*” button is located on the same screen where there is the QR-code associating the *CallMe* account with the apartment. Once pressed, the correct outcome of the operation is indicated by the following dialogue box depending on the different models of video door phone:

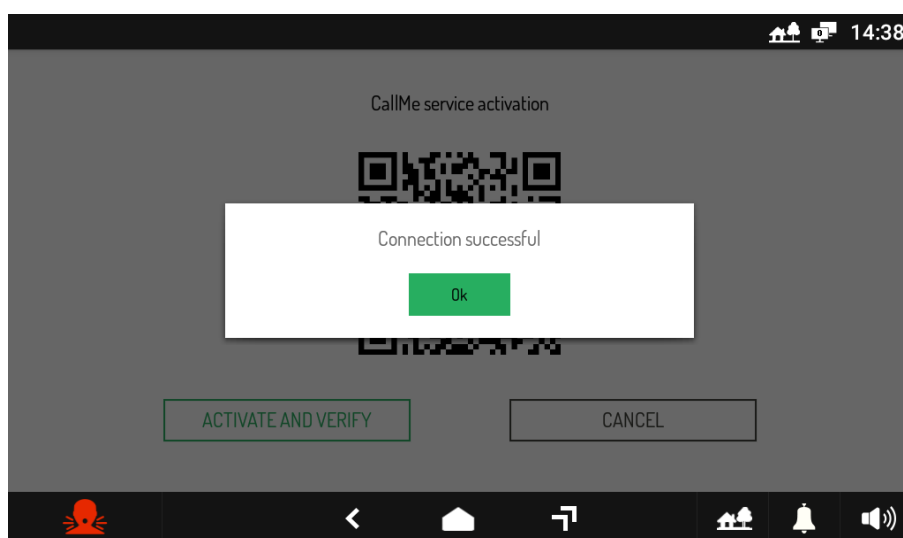


Figure 588: correct activation of the call forwarding function on video door phones 1717/xx - 1761/3x - 1741/x

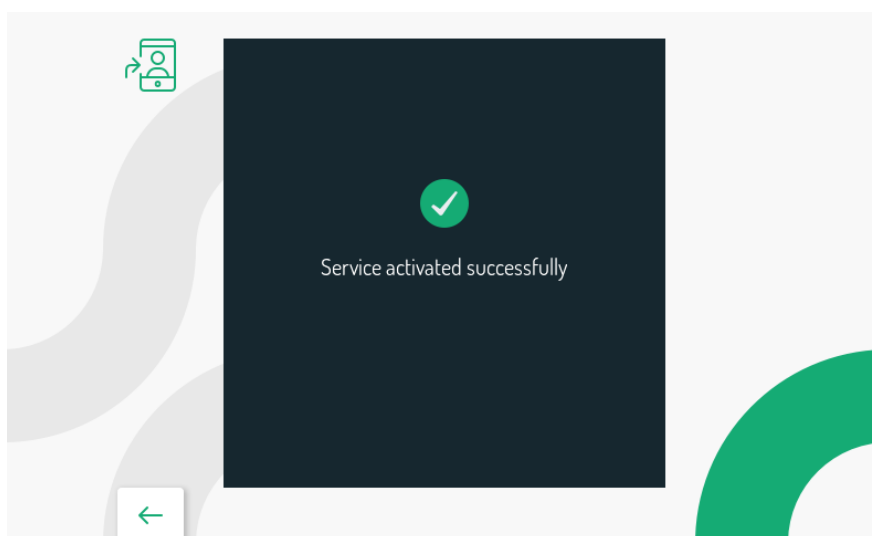


Figure 589: correct activation of the call forwarding function on video door phones 1761/1x

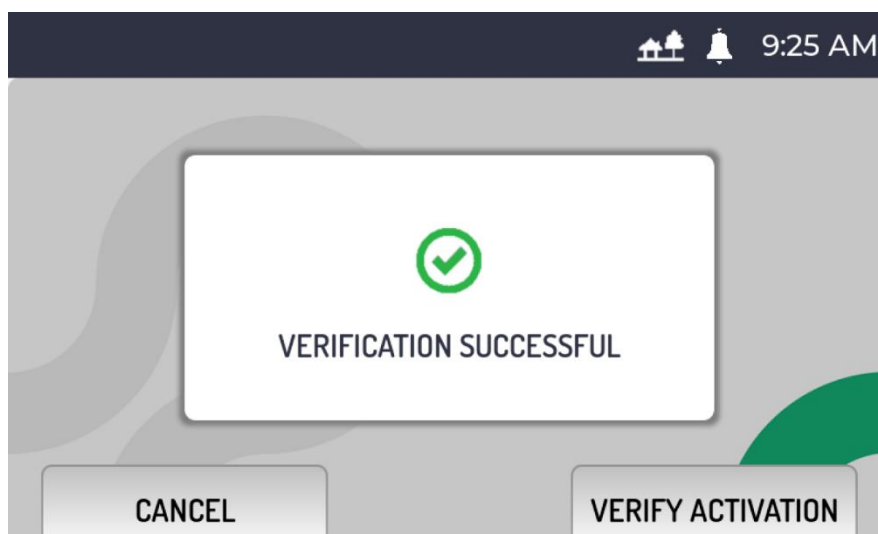


Figure 590: correct activation of the call forwarding function on video door phones 1761/6

As a final step, it is necessary to check that the “Remote” mode operating icon appears on the master video door phone as shown below depending on the different types of video door phone models:

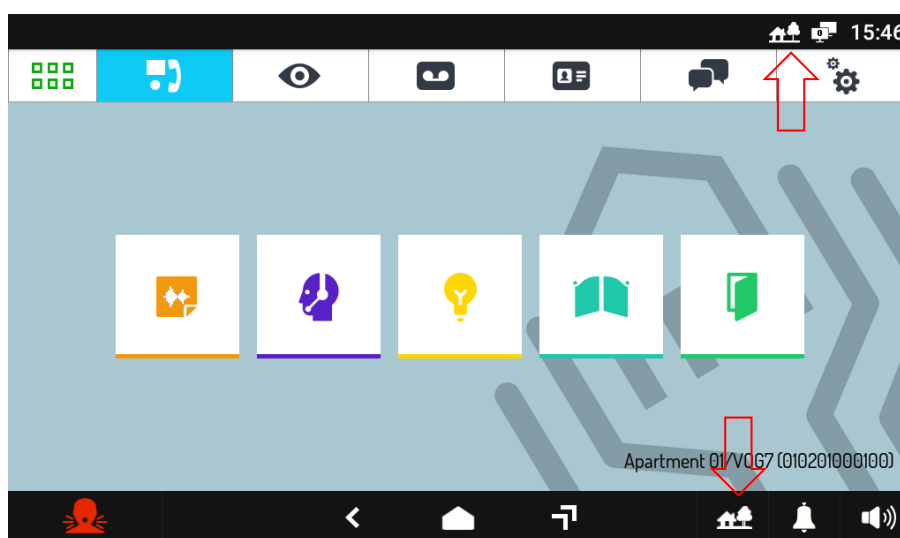


Figure 591: “Remote” mode operation icon on video video door phones 1717/xx - 1761/3x - 1741/x

On any slave video door phones, the “Remote” mode operating icon is only shown at the top right.

If operation in “Remote” mode has already been activated and deactivated previously on the video door phone, the relevant icon must be activated manually: it is necessary to press the icon (bottom right) only on the master video door phone and then select the icon .

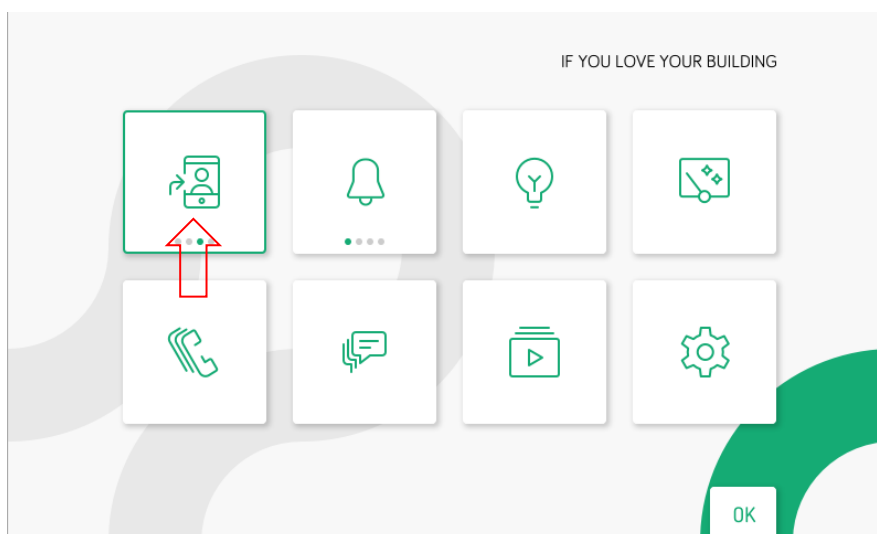






Figure 592: "Remote" mode operation icon on video video door phones 1761/15-16-17-18



On any slave video door phones, it is possible to view the "Remote" mode operating icon at the top right by pressing the button  once with the screen off.



If operation in "Remote" mode has already been activated and deactivated previously on the video door phone, the relevant icon must be activated manually: it is necessary (only on the master video door phone) to select the icon  and with button  select the icon .

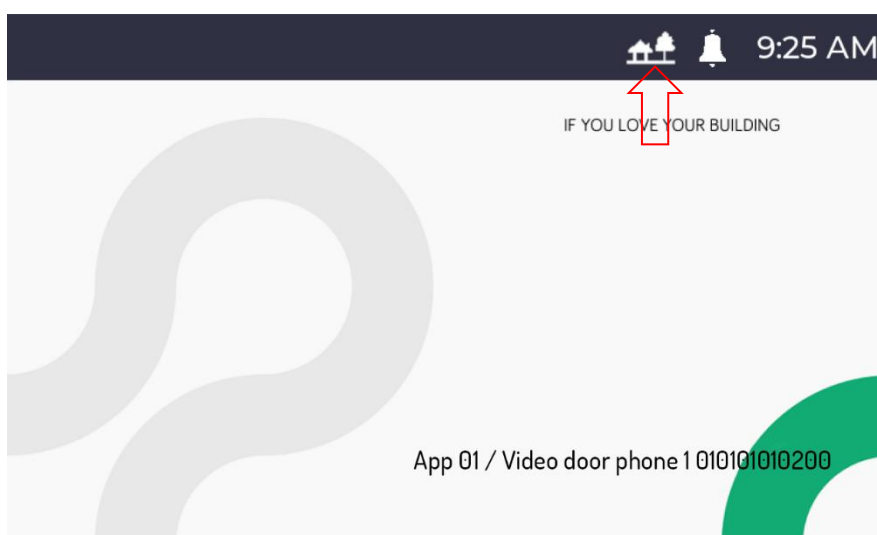




Figure 593: "Remote" mode operation icon on video video door phones 1761/6



On any slave video door phones, it is possible to display the operating icon in "Remote" mode in the same way as seen for the master video door phone.



*If operation in "Remote" mode has already been activated and deactivated previously on the video door phone, the relevant icon must be activated manually: it is necessary (only on the master video door phone) with the screen off, press and hold down the icon  for at least 5s and use the button  to set the "Remote" mode.*

The main features of the *CallMe* app are listed below:

- call forwarding to the apartment on smartphone/tablet (video door phone must be set in "remote" mode;
- auto-on on calling stations;
- intercom call to apartment stations;
- sending activation commands;
- door and gate opening even outside of the call.



*Auto-on on RTSP cameras is not supported by CallMe app.*

For a detailed description of all the features of the *CallMe* application, please refer to the [relevant booklet](#) which can be consulted on the website [www.urmet.com](http://www.urmet.com).



*Once the call forwarding function has been configured for the various apartments and Switchboard applications, it is of fundamental importance not to redo a new system configuration from scratch (even if the topology is the same): if so, the procedure described above to associate the smartphone/tablet to apartments/Switchboard applications is to be repeated.*

### 8.1.13 Configuring the call forwarding function in IPerCom systems in IPerCloud mode

The configuration of the call forwarding function in IPerCom system in IPerCloud mode requires the mandatory use of the following applications to be used in the following order:

- *IPerCom Installer Tools* (Windows application) for the installer (registration on Urmet Cloud is required),
- *CallMe Manager* (Windows application) for the installer and building manager (registration on Urmet Cloud is required),
- *CallMe* (Android or iOS smartphone/tablet application) for the end-user (registration on Urmet Cloud is required).

Below are the various actions to perform to correctly configure the function.

#### 1. INSTALLER

- Connect a router to the IPerCom system network that can provide Internet access;
- Install the *IPerCom Installer Tools* PC application;
- Create an Urmet Cloud account and authenticate with this account on the Urmet Cloud via the *IPerCom Installer Tools* application;
- Create a system configuration with IPerCloud apartments and verify that the parameters of the call forwarding function are correct, using the *IPerCom Installer Tools* application;
- Enable the test mode (from the *configurator*) and then verify that the call to a test IPerCloud apartment from any calling station arrives to the *CallMe* application without pre-activating (and therefore wasting) any license;
- Disable test mode (from the *configurator*);
- Pre-activate license bundle;
- Install the *CallMe Manager* application and authenticate with the same Urmet Cloud account created before via the *CallMe Manager* application;
- Using the *CallMe Manager* application, activate the license bundle, assign them to the IPerCloud apartments and transfer the site to the building manager via invitation sent via e-mail.

#### 2. BUILDING MANAGER

- Install the *CallMe Manager* application on the PC;
- Create an Urmet Cloud account and authenticate with this account on the Urmet Cloud via the *CallMe Manager* application;
- Acquire the site created by the installer via the *CallMe Manager* app;
- Generate letters (pdf format) with the QR-code;
- Send letters via email or post to users.

### 3. END-USER

- Install the *CallMe* application, distributed for Android and iOS operating systems and downloadable from the relevant stores;
- Create an Urmet Cloud account and authenticate with this account on the Urmet Cloud via the *CallMe* application;
- Scan the QR code sent by the building manager to associate the account with the apartment.

## What the installer must do

Using the *IPerCom Installer Tools* application, the installer creates the configuration associated with the project, that is defines the system topology, adds the devices on the topological nodes, assigns appropriate names to the devices, **IPerCloud apartments** and topological nodes, creates the address books, the residents, not residents, and activations, configure the parameters of the call forwarding function in the "System" ---> "Call Forwarding Settings" section of the *configurator* (as shown below):

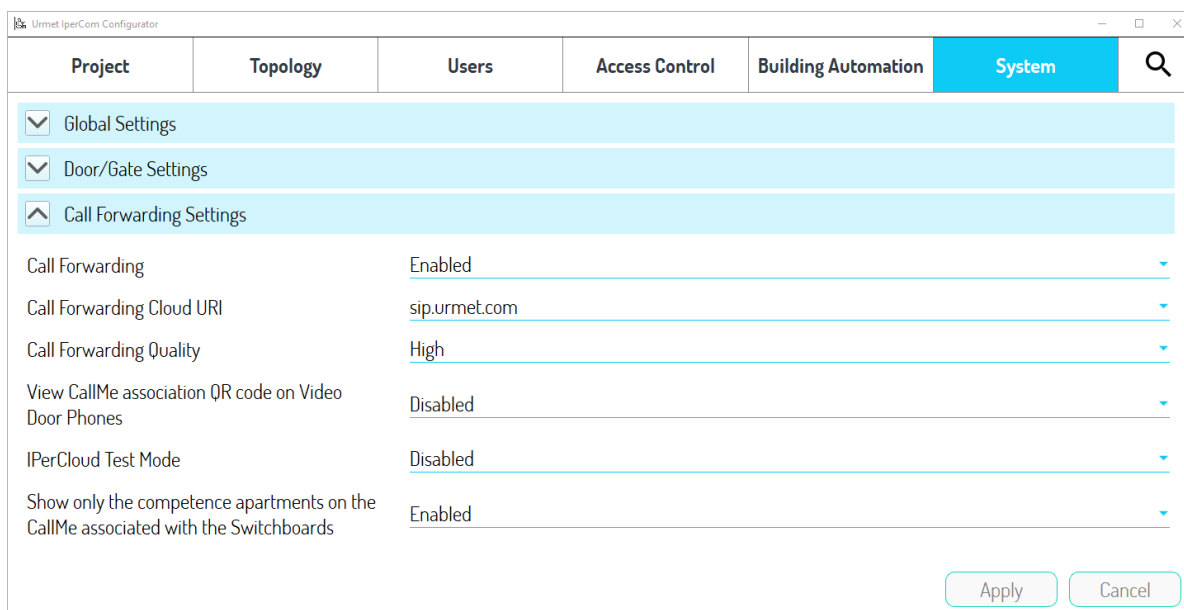


Figure 594: call forwarding parameters in tab "System"

For the "Call Forwarding" item, check that the value is set to "Enabled", as shown in the figure above.

For the "Call forwarding Cloud URI" item, it is necessary to set the server on which, via the *CallMe* app, the user is registered: the default server is "sip.urmet.com", while the "cn.sip.urmet.com" server is to be used only for the Chinese market.

The "Call forwarding quality" item must be set according to the available bandwidth: if you encounter problems in the call, such as jerky video and/or incomprehensible audio, it is best to lower the quality of call forwarding.

The "IPerCloud Test Mode" item must be enabled to be able to run the test mode of a generic IPerCloud apartment without using the licenses.

After carrying out the configuration, it is necessary to apply it to the system. To do this, you must first save the configuration and exit the *configurator*. Then select the “*Configuration*” tab and press the “*Apply changes*” button to transfer the configuration to the system:

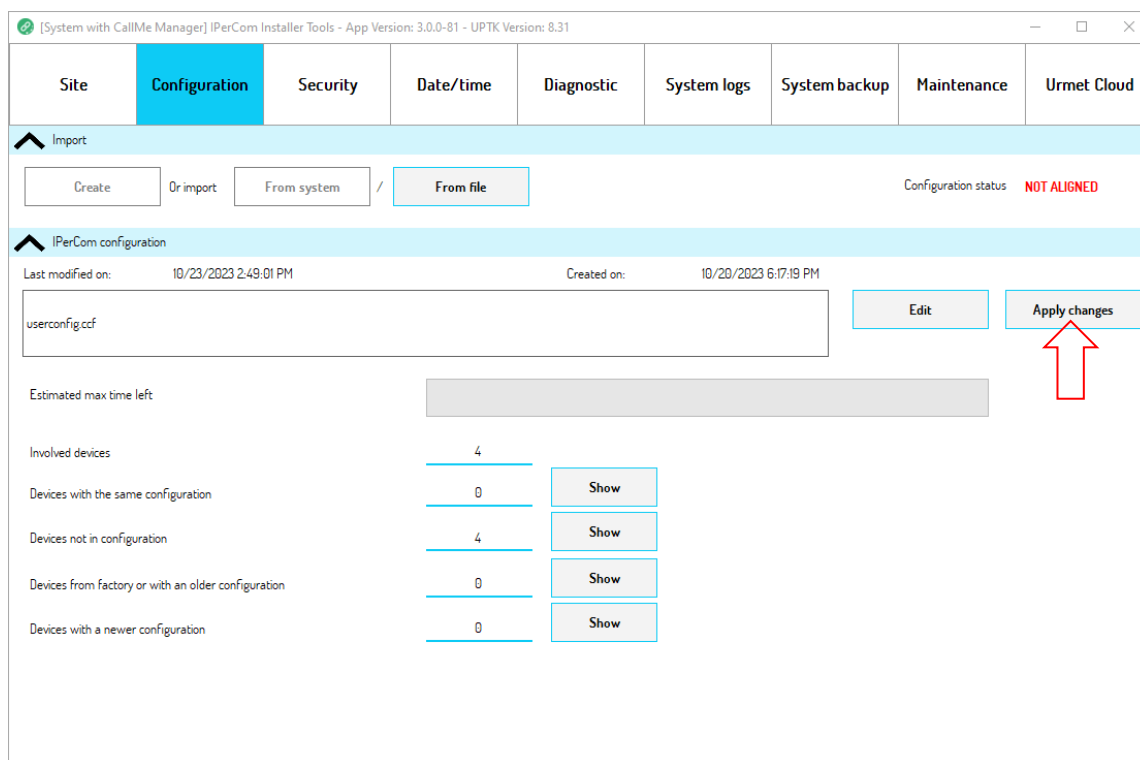


Figure 595: configuration transfer

After applying the configuration to the system, the installer must carry out the test mode: this mode is useful for verifying that the call from any calling station to a test IPerCloud apartment arrives correctly at the *CallMe* application.

Therefore, to carry out the test mode, the installer must have downloaded, installed, and started the *CallMe* app on his smartphone/tablet and then log in with the same account used on *IPerCom Installer Tools*.

Once logged in, this screen appears:

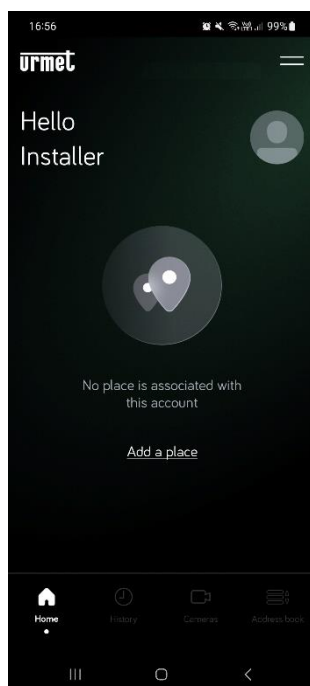


Figure 596: log in to app CallMe

Pressing button “Add a place”, the following window appears:

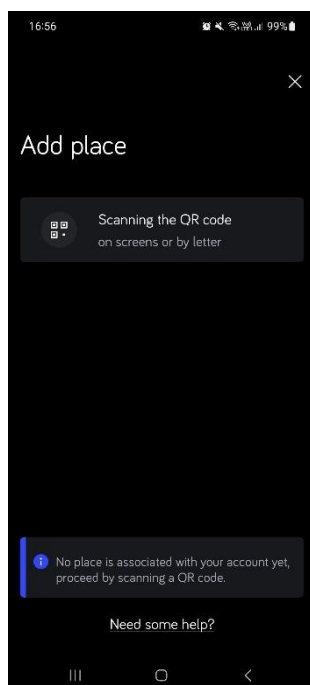


Figure 597: add a place

Press button “*Scanning the QR code*” to run app QR code reader.

Then press the “*IPerCloud Test QR Code*” button displayed on *IPerCom Installer Tools*. The following window appears:

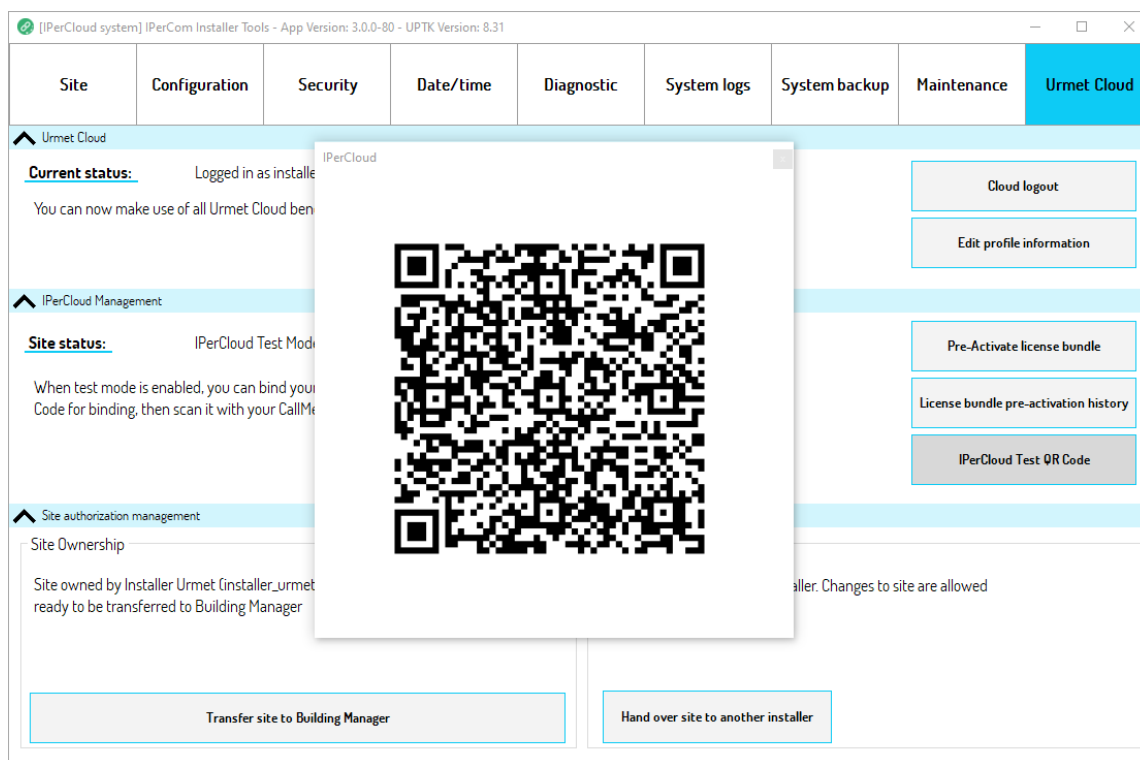


Figure 598: scan the test mode QR Code

Then scan the QR code displayed on the PC where the *IPerCom Installer Tools* application is installed.

After scanning the QR code, the following screen appears on smartphone/tablet of the installer to indicate that the place has been added correctly:

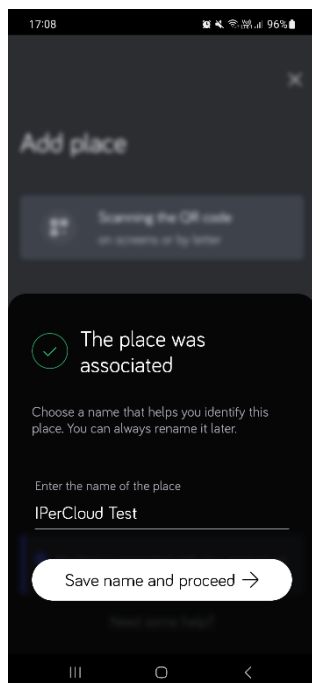


Figure 599: place added

The default name given to the place is “*IPerCloud Test*” but it is possible to rename it (even later): at this point the *CallMe* app has been associated with a (not real) IPerCloud test apartment. The installer can therefore make a call from any calling station to the IPerCloud test apartment: in fact, on all calling stations with displays the relevant address book displays only the name “*IPerCloud Test*” while calling stations with button call (from any button) the “*IPerCloud Test*” apartment.




*Any address book present on the calling stations with displays reappear after disabling the test mode from the configurator.*

In test mode the installer can only do the following:

- call the test IPerCloud apartment from any calling station,
- check that the call reaches the *CallMe* app,
- answer the call by checking the correct presence of audio and video,
- open the doors (main door and gate) only during conversation,
- auto-on on calling stations.

The test mode can therefore be considered passed if the points listed above work correctly.

 In test mode from the CallMe app it is not possible to open the doors (main door and gate) outside of a call and it is not possible to activate any activation.

Once the test mode is finished, you need to disable it from the *configurator* and apply the configuration.

After that, go to tab “Urmet Cloud” in the section **IPerCloud Management**:

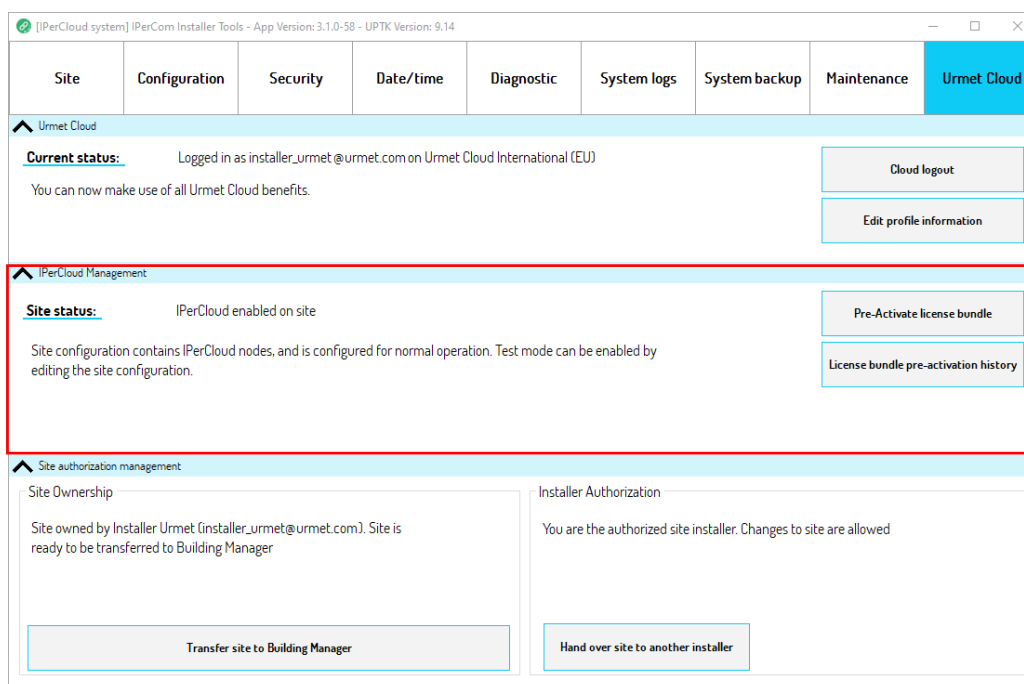


Figure 600: IPerCloud management

In this section the installer pre-activates a license bundle for the system by pressing the "Pre-Activate license bundle" button. The following window opens:

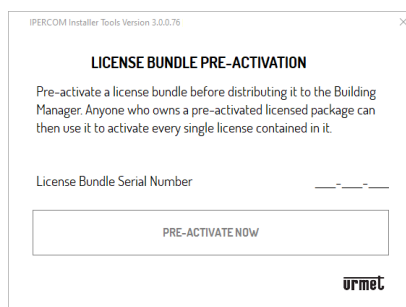


Figure 601: license bundle pre-activation

In the "License Bundle Serial Number" field it is necessary to enter the serial number of the license bundle for pre-activation by the installer. The number is shown on the license card with the abbreviation “S/N”.

After entering the serial number, pressing the "PRE-ACTIVATE NOW" button, and accepting the license agreement relating to the IPerCloud software (End User License Agreement), the positive outcome of the pre-activation is confirmed by the following message:

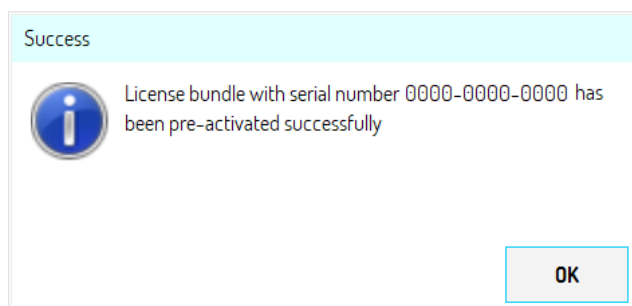


Figure 602: bundle license pre-activation with serial number

Once the pre-activation of the licenses has been completed, the installer must install the *CallMe Manager* application: the application and the related user manual are available on the website [www.urmet.com](http://www.urmet.com) at the download section.

You can then start the application and authenticate with the Urmet Cloud account already used for *IPerCom Installer Tools*:

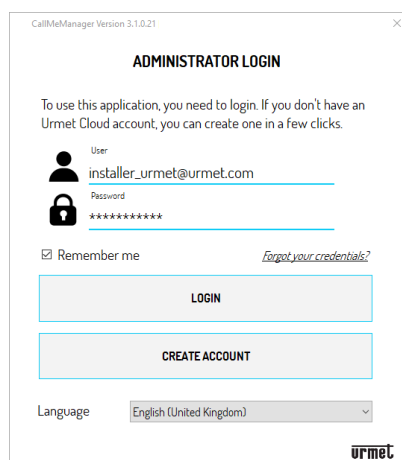


Figure 603: authentication on CallMe Manager by installer

By pressing the “Login” button, the *CallMe Manager* application starts and shows the following dialog box relating to the presence of a new site (“IPerCloud System”) transferred to the installer account (which in this case is also the site building manager):

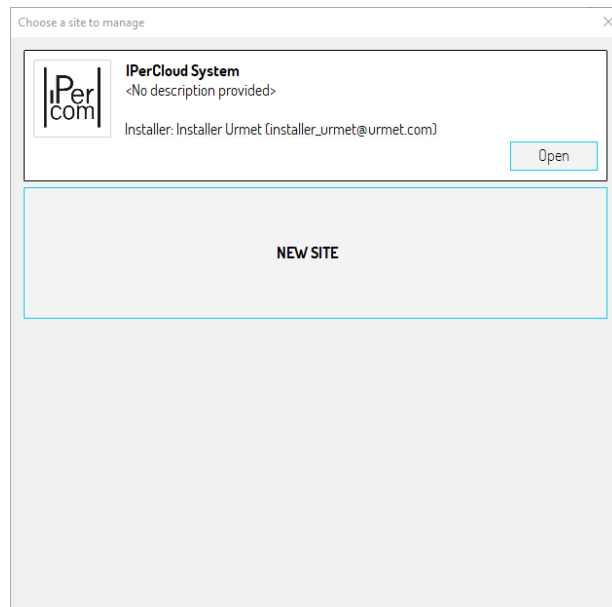


Figure 604: new site transferred to building manager/installer

By pressing the "Open" button, the home page of the *CallMe Manager* application appears with the new site loaded:

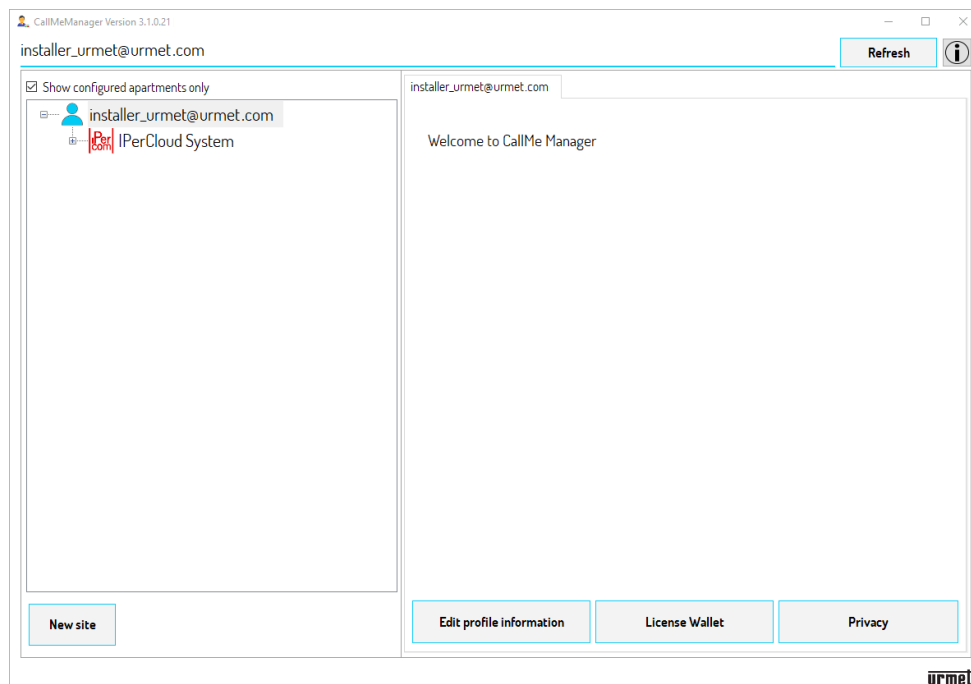


Figure 605: CallMe Manager home page (installer login)

By expanding the topological structure, it is possible to view all the topological nodes present in the system, that is blocks, stairs, floors, and apartments:

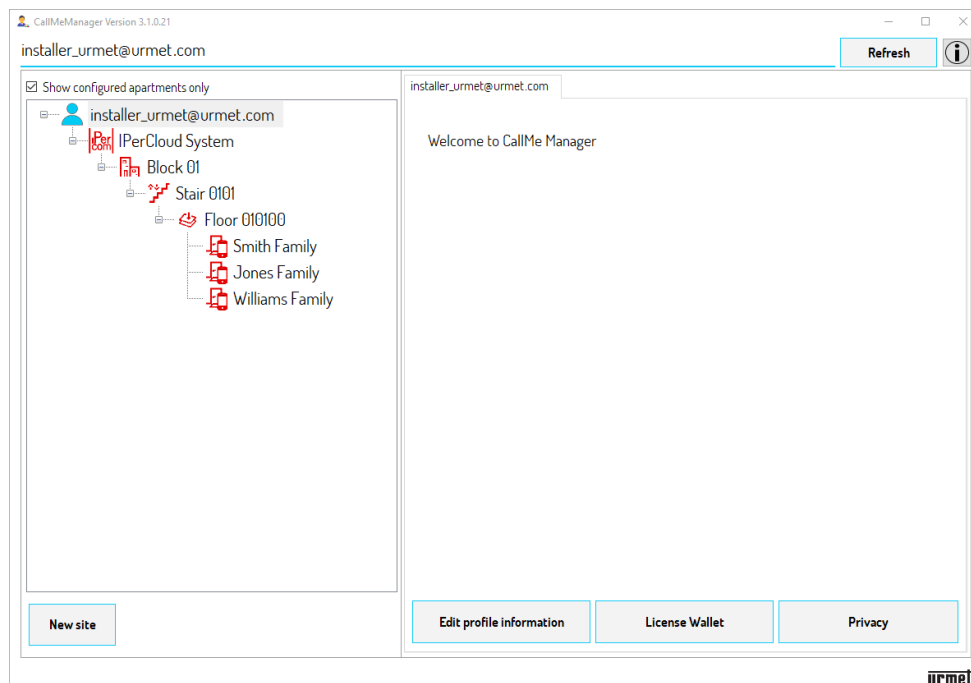


Figure 606: plant topological structure



The topological node icons are displayed in red to indicate that the topological structure contains Ipercloud apartments to which a license has not yet been associated. More precisely, the icons of the nodes located on the topological path of the IPerCloud apartments are colored red.



Hybrid apartments (i.e. IPerCloud apartments with one apartment station) are displayed in black.

At this point it is necessary to activate the licenses pre-activated previously by *iPerCom Installer Tools*. It is necessary to select the node where the installer's email appears and press the "License Wallet" button:

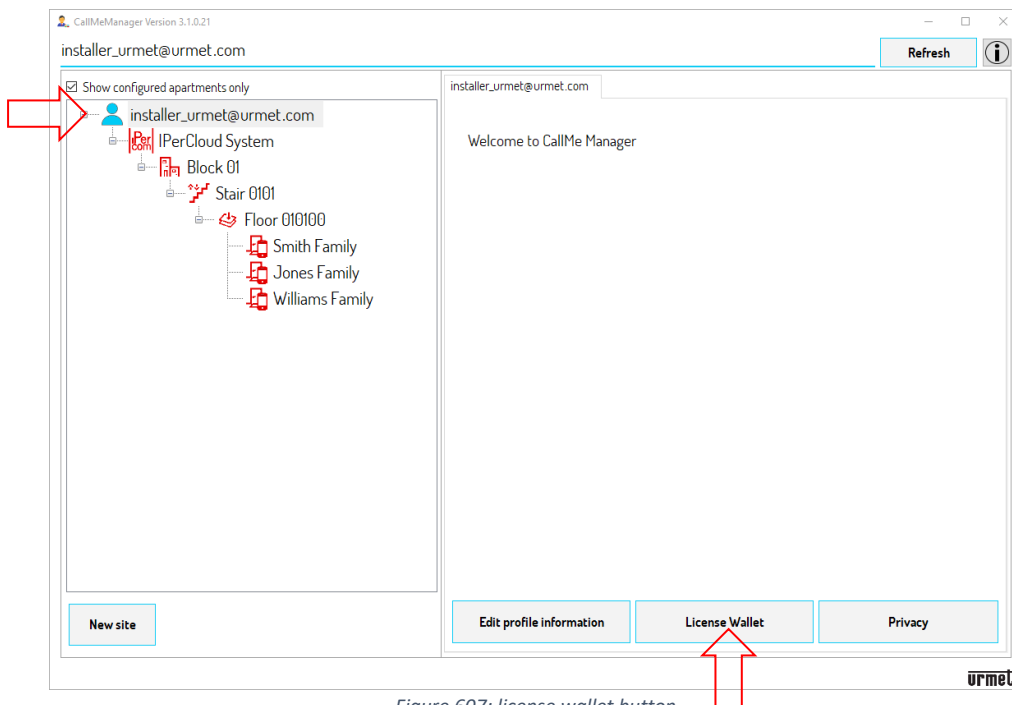


Figure 607: license wallet button

The following window is shown:

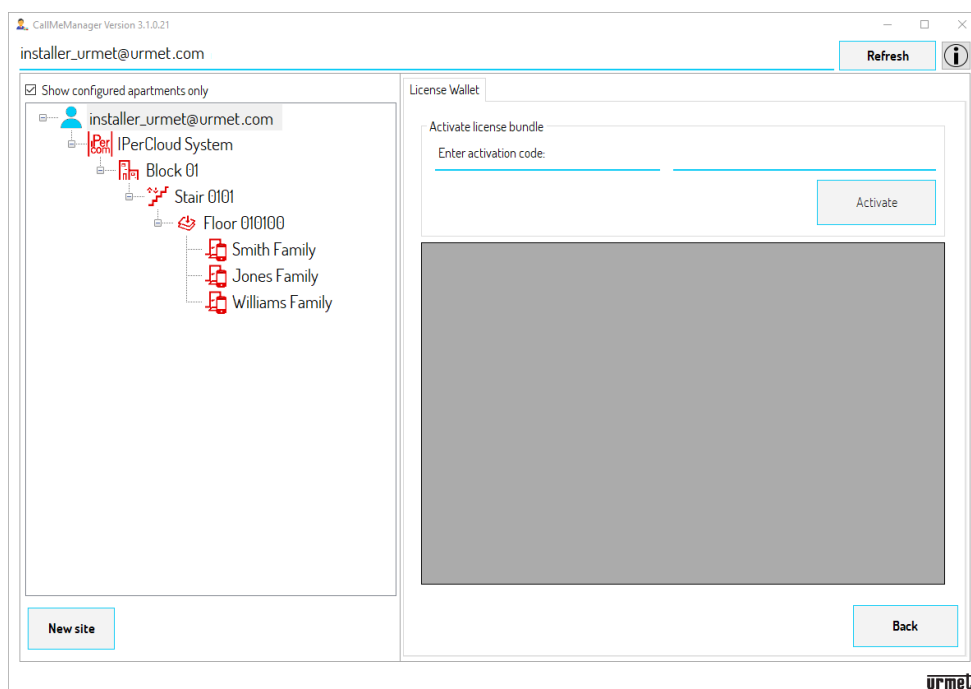


Figure 608: license wallet window

To activate one or more license bundles, it is necessary to know the activation code (A/C) shown on the license card as shown below:

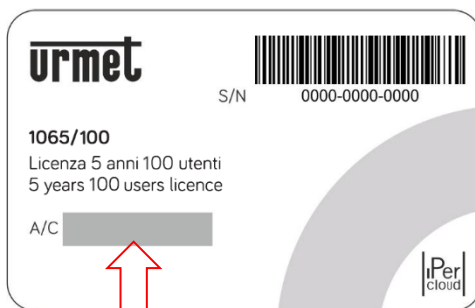


Figure 609: license bundle activation code



To view the activation code, you need to scratch the silver band next to the red arrow with a coin.

At this point, simply enter the activation code in the relevant field and press the "Activate" button:

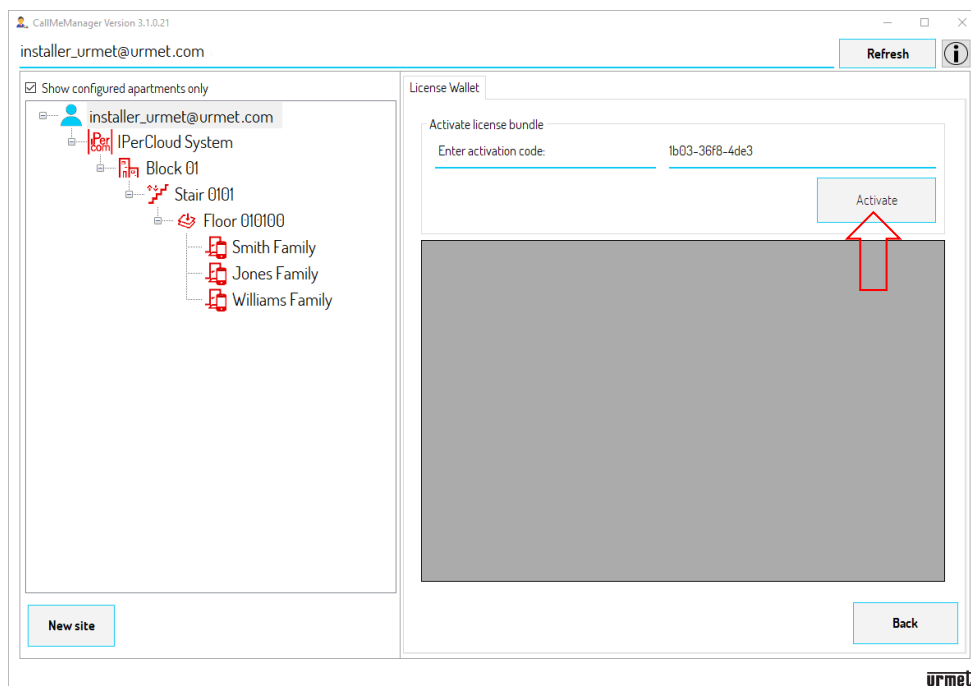


Figure 610: license bundle activation request

The correct outcome of the procedure is confirmed by the following dialog box:

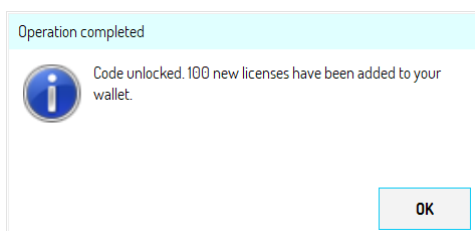


Figure 611: license bundle activated successfully

By pressing the “OK” button, the license is added to the installer's wallet:

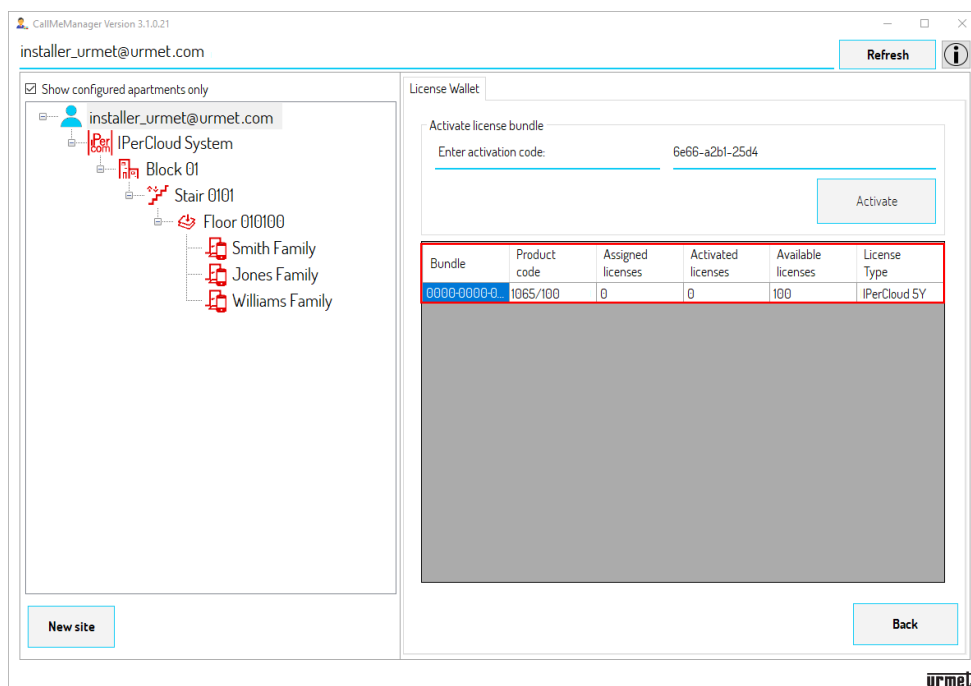


Figure 612: license added to installer wallet

All the information relating to the newly activated license bundle is displayed in the red box, that is:

- **Bundle:** identifies the serial number of the Ipercloud license bundle (entered during the pre-activation phase);
- **Product code:** identifies the product code of the license bundle;
- **Assigned licenses:** identifies the number of licenses assigned to the apartments;
- **Activated licenses:** identifies the number of licenses activated by users via *CallMe*;
- **Available licenses:** identifies the number of available licenses that can still be assigned to apartments;
- **License type:** identifies the duration of the license, 5Y (5 years) or LT (15 years).

After activating a license bundle, it is necessary to associate the single licenses with the apartments. To do this, simply select the topological node where the IPerCloud apartments are present (in this case "Floor 010100") and press the "Licenses" button:

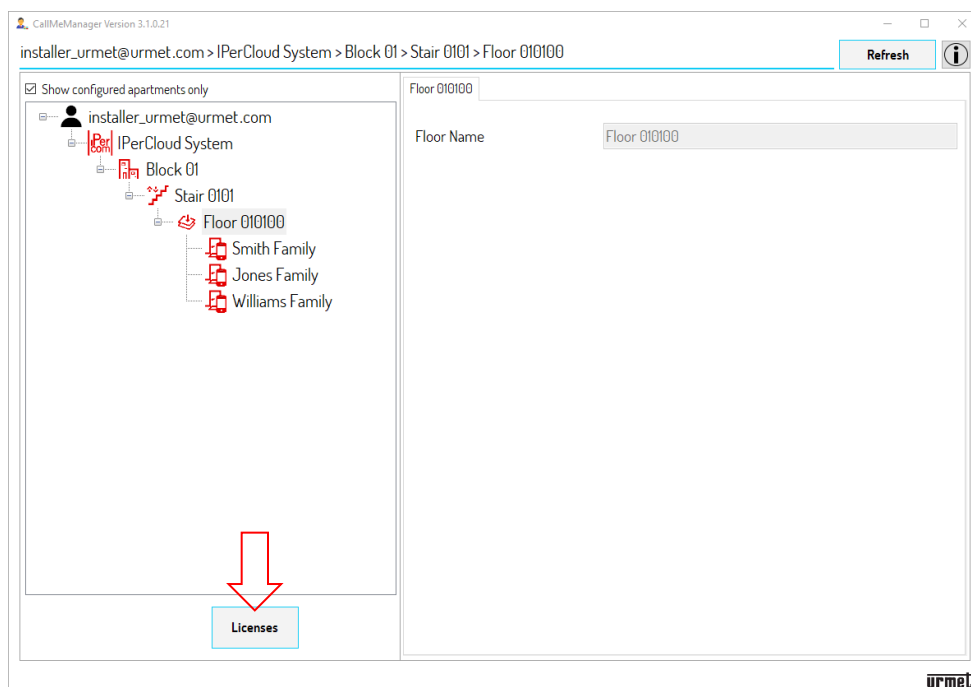


Figure 613: license association

The following window is shown:

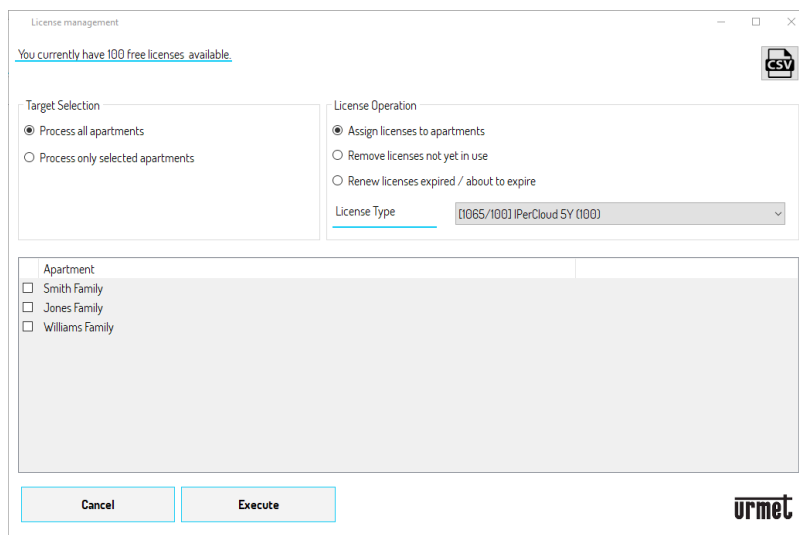


Figure 614: list of apartments to which to assign a license

In the **Target Selection** section, you can choose whether:

- assign licenses to all the apartments present on the topological node “*Floor 010100*” (item “*Process all apartments*”),
- assign licenses to only the selected apartments (item “*Process only selected apartments*”).

In the **License Operation** section, select the item “*Assign licenses to apartments*”.

In the **License Type** section, select the activated license bundle.

Then press the “*Execute*” button to associate the licenses with the 3 apartments.

The correct outcome of the procedure is confirmed by the following dialog box:

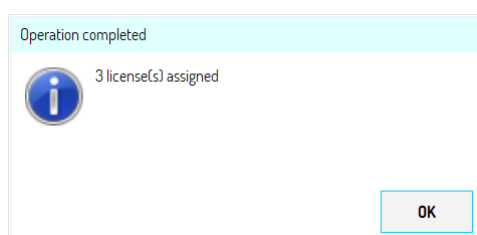


Figure 615: licenses correctly assigned to apartments



*The assignment of licenses can be carried out by positioning on any topological node. For example, if there are several floors with IPerCloud apartments, you can position yourself on the relevant upper stair node and assign licenses from this node. Similarly, if there are IPerCloud apartments on different stairs, it is sufficient to assign the licenses by positioning on the relevant upper block node.*

By pressing the “*OK*” button, the following screen appears:

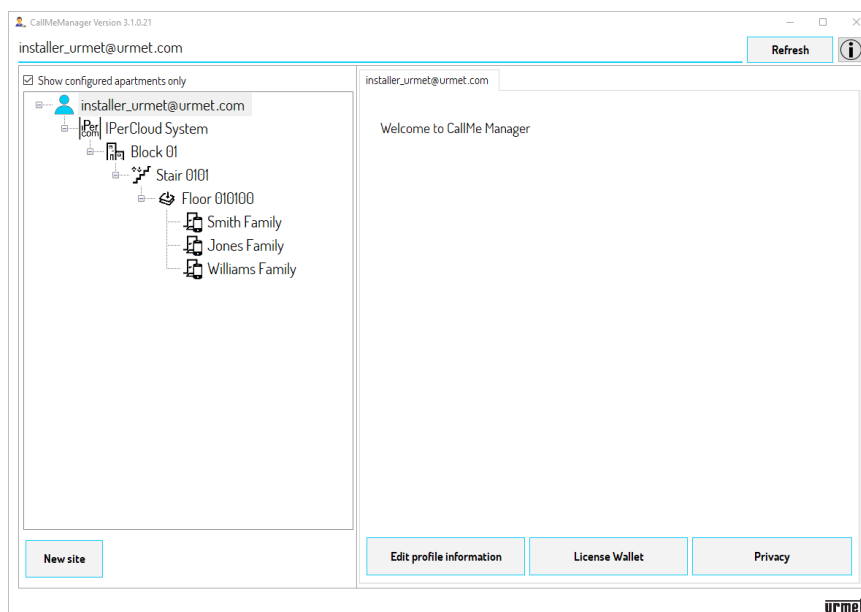


Figure 616: topological structure after assigning licenses to the apartments

After assigning licenses to apartments, the topological node icons are displayed in black to indicate that licenses have been assigned to Ipercloud apartments. By selecting a single apartment, you can view the single license in use:

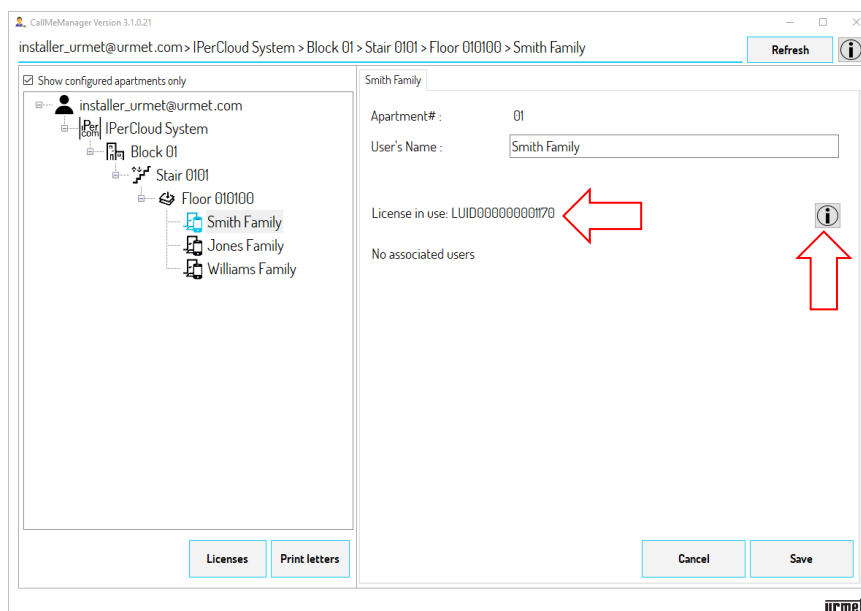


Figure 617: single license associated with an apartment

The “Info” button allows you to view all the information on the license in use by the apartment:

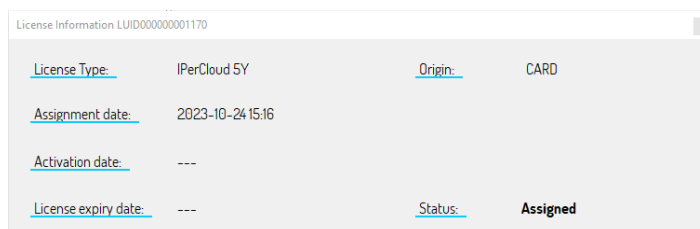


Figure 618: information about the assigned license



The “Activation date” and “License expiry date” fields will be filled in as soon as the end user associates the account (created to authenticate on the CallMe app) with the apartment via the letter with QR code sent by the building manager.

At this point the installer's last task is to transfer the site to the building manager for printing the letters. To do this it is necessary to select the node that shows the name of the site (in this case "IPerCloud System"); on the right side of the *CallMe Manager* application a series of information relating to the building manager and installer of the current site is then displayed:

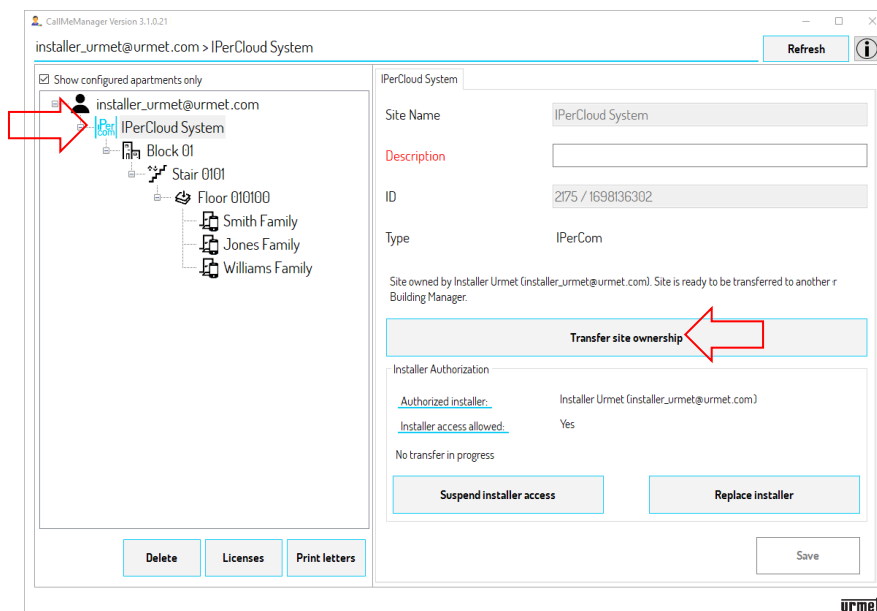


Figure 619: site transfer from installer to building manager

The "Transfer site ownership" button allows you to transfer the site to the building manager, who with the *CallMe Manager* application will be able to print the letters to send to the residents in the apartments. By pressing this button, the following dialog box is displayed in which it is necessary to enter the email with which the building manager has already registered with Urmet Cloud:

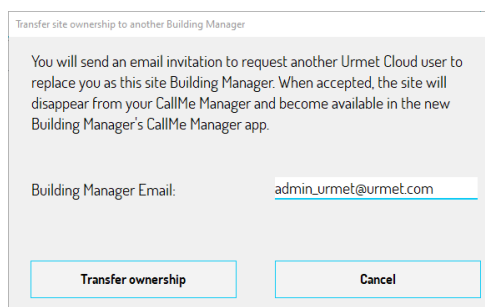


Figure 620: transfer of the site to building manager

By pressing the “*Transfer ownership*” button, an email is sent to the building manager and the correct outcome of the operation is confirmed by the following dialog box:

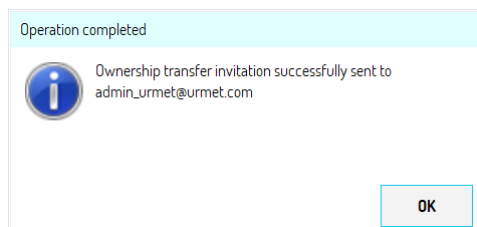


Figure 621: correct outcome of the invitation to the building manager

### What the building manager must do

Below are illustrated the fundamental steps that the building manager must follow to allow residents in IPerCloud apartments to use the call forwarding function.

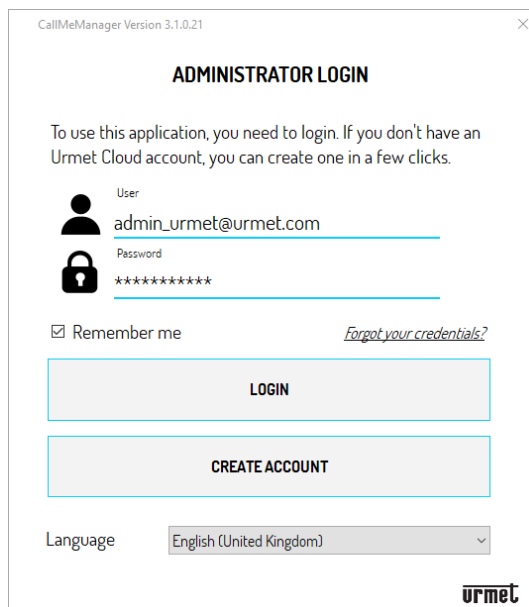
The *CallMe Manager* app and its user manual can be downloaded from the following address: <https://www.urmet.com/en-us/Professional/Tools/Software-and-Firmware>.

The *CallMe Manager* application allows you to:

- generate the pdf files to send to users to allow the association of accounts with apartments for use of the call forwarding function;
- manage the accounts of users who use the call forwarding feature.

Before using the *CallMe Manager* application, the building manager must open the email that he received following the transfer of the site from the installer and press on the relevant link to make the transfer effective. The positive outcome of the operation is confirmed by the message "*Site acquired successfully*".

At this point it is possible to start the *CallMe Manager* application, authenticate with the Urmet Cloud account previously created by the building manager and press the "Login" button:



CallMeManager Version 3.1.0.21

### ADMINISTRATOR LOGIN

To use this application, you need to login. If you don't have an Urmet Cloud account, you can create one in a few clicks.

User  
admin\_urmet@urmet.com

Password  
\*\*\*\*\*

☒ Remember me [Forgot your credentials?](#)

**LOGIN**

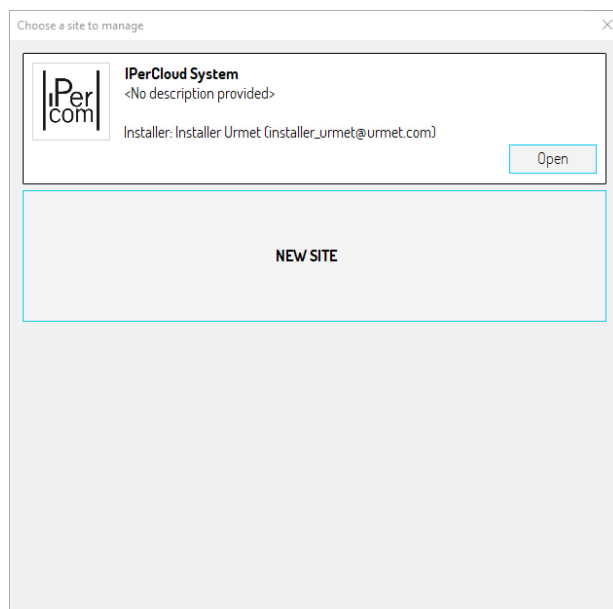
**CREATE ACCOUNT**

Language: English (United Kingdom)


**urmet**

Figure 622: CallMe Manager login window

The *CallMe Manager* application displays the following dialog box relating to the presence of a new site ("IPerCloud System") transferred to the building manager account:



Choose a site to manage



**IPerCloud System**  
<No description provided>  
Installer: Installer Urmet (installer\_urmet@urmet.com)

**Open**

**NEW SITE**

Figure 623: new site transferred to the building manager

By pressing the "OK" button, the homepage of the *CallMe Manager* application appears with the new site loaded:

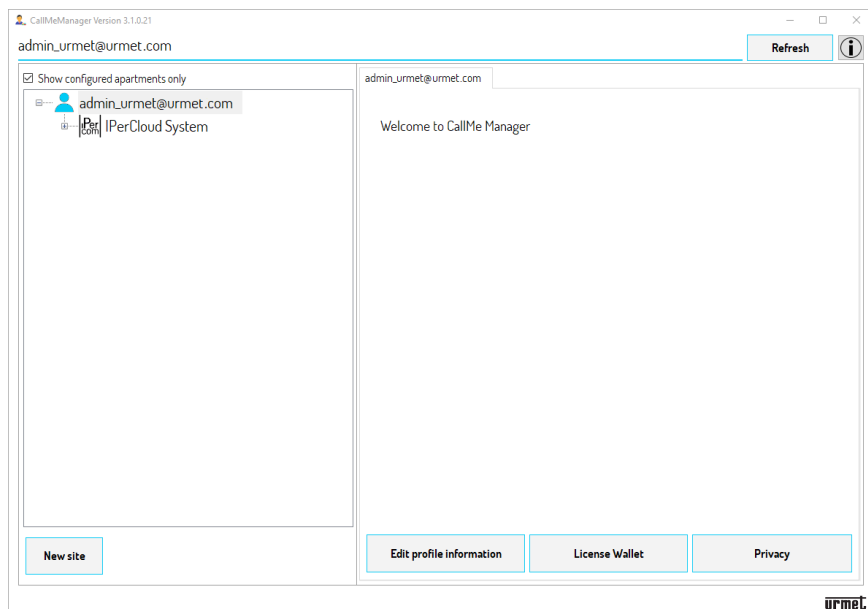


Figure 624: *CallMe Manager* app homepage

By expanding the topological structure, it is possible to view all the topological nodes present in the system, that is blocks, stairs, floors, and apartments:

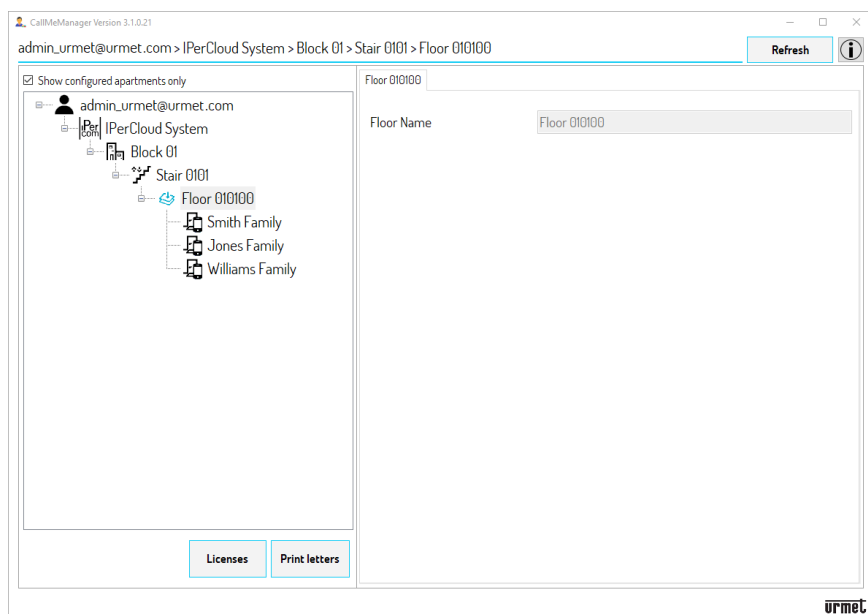


Figure 625: topological structure of the system

Once the topology has been imported, it is necessary to generate the letters (pdf file) which must be sent via email or post to the users, to allow the association of the accounts with the apartments (via the *CallMe* app) and the use of the function call forwarding: to do this, press the "Print letters" button.

Depending on the selected node, the letters of the users (and/or switchboard operator, if present) who are in the topological group of the node in question (including the node itself) are generated.

For example, if in the topological structure there is a block with 2 stairs ("Stair 1" and "Stair 2") in which there are 10 floors in each stair and 10 apartments in each floor, positioning on the "Stair 1" node, only the letters for the users/apartments present in the "Stair 1" node are generated, that is 100 letters.

Relative to the previous figure, a pdf file with 3 letters is generated:

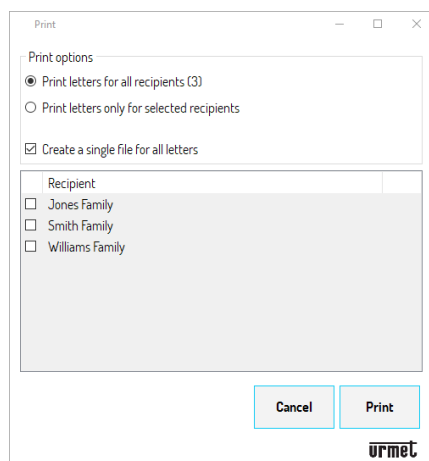


Figure 626: print of pdf letters

The "Print letters for all recipients" item allows you to generate pdf files for all recipients present within the selected node.

The "Print letters only for selected recipients" item allows you to generate pdf files only for selected recipients (to select a recipient, tick the box next to the recipient's name).

By checking the "Create a single file for all letters" box, a single pdf file containing all the letters from all recipients is generated (useful option for printing). If the box is not checked, a pdf file is generated for each individual recipient (useful option if you want to send pdf files for each recipient via email).

Press the "Print" button to generate letters in pdf format to send to users.



*Printing the letters in pdf format is an activity that the installer could also do via the CallMe Manager application, after assigning the licenses. Once printed, the installer can send them via email to the building manager, who forwards them to the various residents.*

## What the building manager can still do (optional)

If in the topological structure shown on the left side of the *CallMe Manager* application, the building manager selects the node that shows the name of the system (red arrow), the following screen appears:

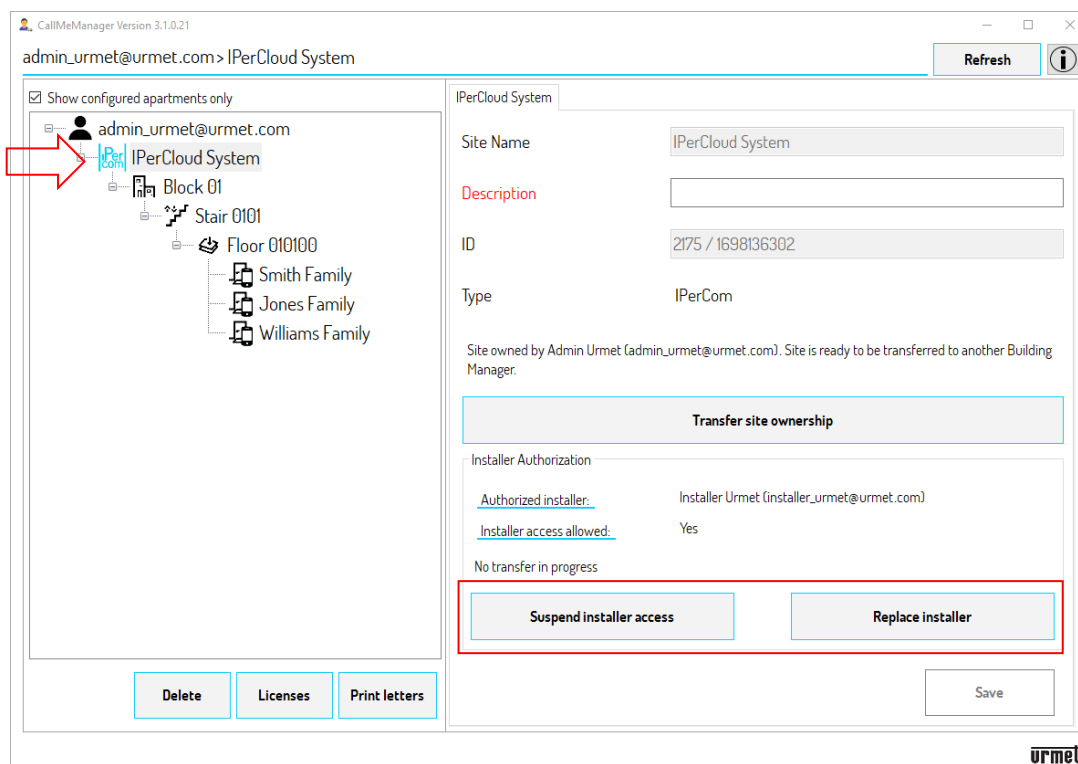


Figure 627: new features for building manager

The red box shows two new features for the building manager which are explained below.

### 1. SUSPEND/RESTORE INSTALLER

This feature is useful if the building manager wants to prevent the installer from making changes to the system after having correctly configured it; once suspended, you can still re-enable it if it is necessary to make changes to the system again.

The installer can be suspended by pressing the "*Suspend installer access*" button. The correct outcome of the operation is confirmed by the following dialog box:

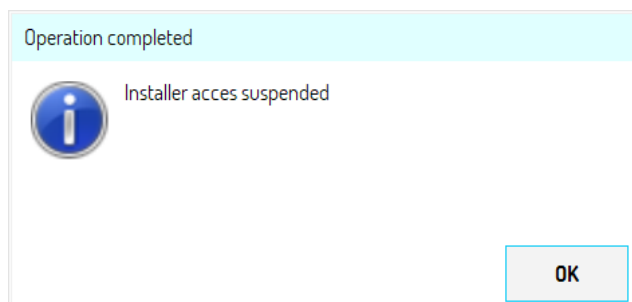


Figure 628: temporary suspension of installer

In this way the installer can make changes locally to the configuration via *IPerCom Installer Tools* but cannot apply them to the system, as the following message is displayed (following a connection to the plant):

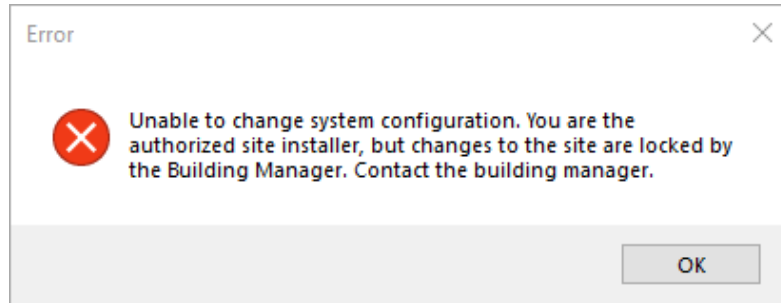


Figure 629: temporary installer suspension displayed in *IPerCom Installer Tools*

Once suspended, the building manager can re-enable the same installer via the "*Restore installer access*" button: a specific dialog box notifies the building manager regarding the correct outcome of the operation.

## 2. REPLACE INSTALLER

The "*Replace installer*" button allows the building manager to replace the installer of the system via an invitation sent via email. The procedure is the same as for transferring a site from installer to building manager: the building manager sends an invitation to the new installer via email, the installer accepts the invitation by pressing on a specific link contained in the same email, the building manager receives an email notification that the installer has accepted the invitation. If the old installer authenticates to Urmet Cloud through *IPerCom Installer Tools* and tries to connect to the plant, the following message is displayed:

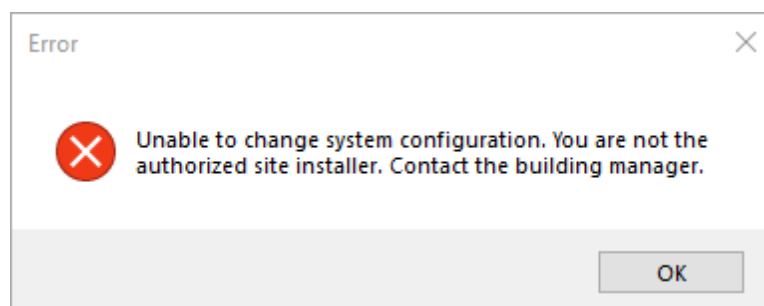


Figure 630: installer replacement displayed in *IPerCom Installer Tools*

### What the end-user must do

Below the basic steps that the end-user must perform with the *CallMe* app, after receiving the letter from the building manager, to activate the call forwarding function are reported. For all information on configuring the app, refer to the [relevant booklet](#) on the website [www.urmet.com](http://www.urmet.com).

Download the app from the Apple Store (iOS) or the Play Store (Android) and install it on your smartphone/tablet. The login page appears:

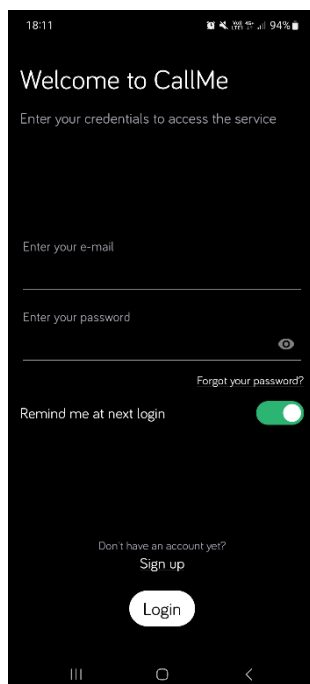


Figure 631: app login page or to create an account

Once logged in with a newly created or existing account, the application homepage is displayed:

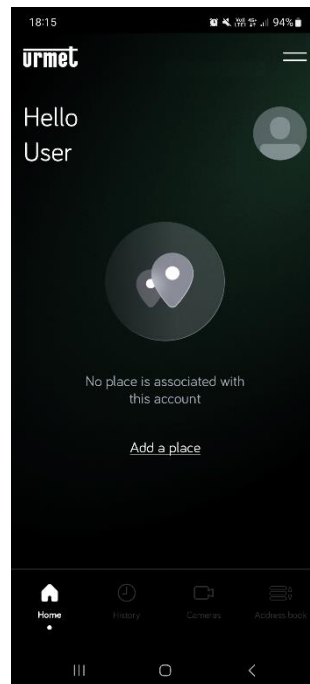


Figure 632: application homepage

Pressing the “Add a place” button the following screen appears:

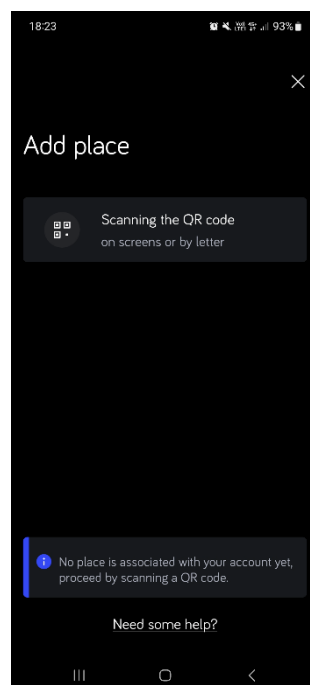


Figure 633: add of a place

Press the "Scanning the QR code" button to start the QR Code Reader application, then scan the QR code displayed in the letter sent by the building manager relating, for example, to the first apartment. The app shows the following screen:

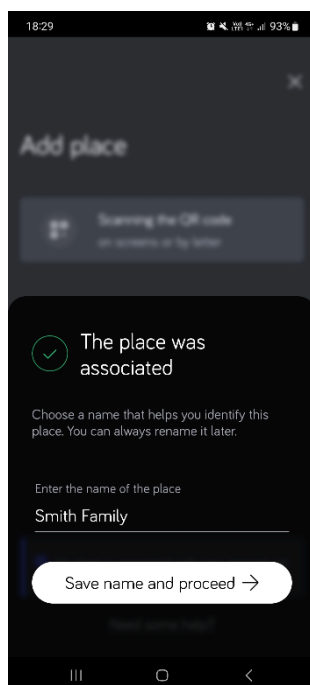


Figure 634: association of a place/apartment with the CallMe account

It is possible to change the name "Smith Family". By pressing the "Save name and proceed" button, the call forwarding function on the smartphone relating to the "Smith Family" apartment is activated:

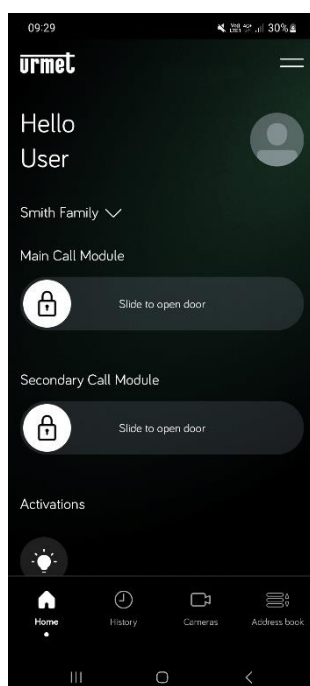


Figure 635: account associated with the apartment

The main features of the *CallMe* app are listed below:

- call forwarding to the apartment on smartphone/tablet;
- auto-on on calling stations;
- intercom call to apartment stations;
- sending activation commands;
- door and gate opening even outside of the call.



*Auto-on on RTSP cameras is not supported by CallMe app.*

For a detailed description of all the features of the *CallMe* application, please refer to the relevant [booklet](#) which can be consulted on the website [www.urmet.com](http://www.urmet.com).




*The QR Code present on the document sent by the building manager is disposable, once scanned it will no longer be usable. It is necessary to carry out the entire service activation procedure after the scan. If the procedure is interrupted, the building manager will have to generate a new document with a new QR code to allow the activation of the service*



*Once the call forwarding function has been configured for the various apartments and Switchboard applications, it is of fundamental importance not to redo a new system configuration from scratch (even if the topology is the same): if this were the case, the procedure seen above to associate the smartphone/tablet to apartments/Switchboard applications is to be repeated.*

### 8.1.14 Search function

The function allows a quick search of the items in the system.

Press  on the main screen of the configurator to open the following screen (relating to a generic system):

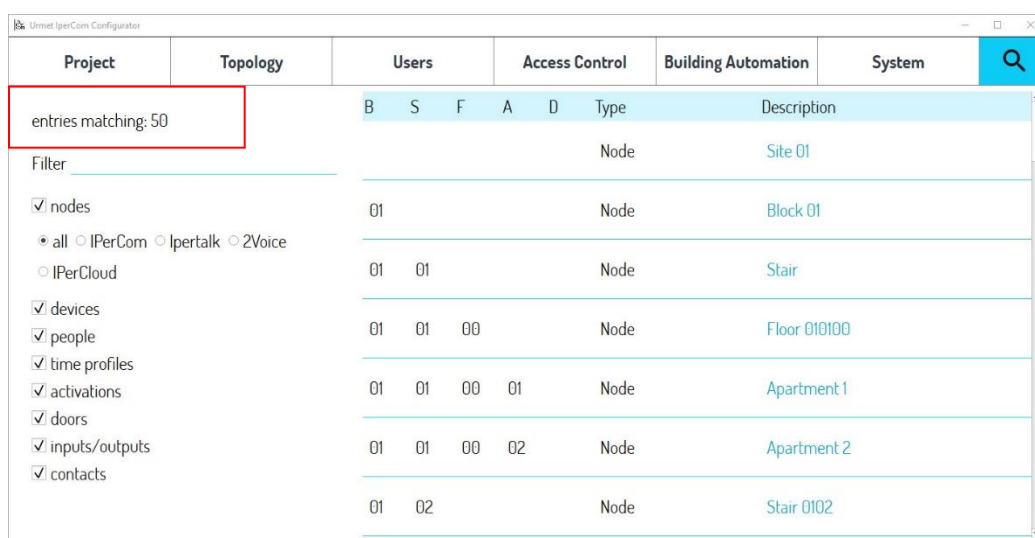


Figure 636: search function screen

You can search for the following items or only one of them:

- nodes,
- devices,
- people,
- time profiles,
- activations,
- doors,
- inputs/outputs,
- contacts.

The “Nodes” field allows you to view all the topological nodes of the system and possibly filter them according to the type of node (either iPerCom nodes or iPerTalk nodes or 2Voice nodes or iPerCloud nodes).

The *Filter* field (top left of the screen above) allows you to further refine the search for the items displayed. For example, it is possible to filter by the *Name* field, a field that is filled in when creating all the elements created above (only for residents/non-residents this field corresponds to the *Surname* field). This field is displayed in the *Description* column of the screen above.

Furthermore, only for the devices, it is possible to further filter by MAC address or part of it or by device code (that is 1060/12 for the *Call Module*).

The “*Entries Matching*” field shows the number of elements found depending on the selected entries (red box).

For example, the search for IPerCloud nodes shows the IPerCloud nodes of the system with the corresponding topological code (block, staircase, floor, and apartment):

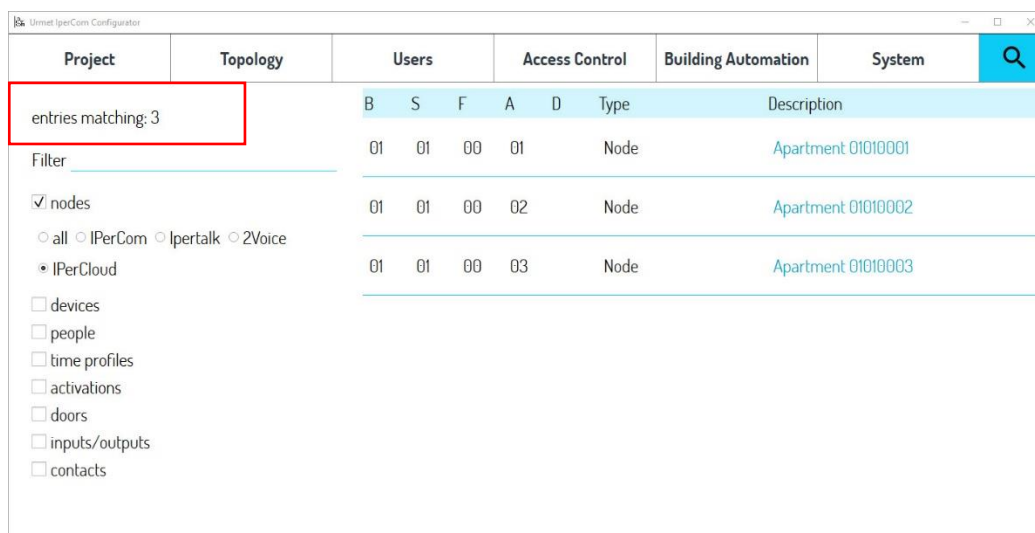


Figure 637: search for nodes

The number of entries matching the search (red box) has obviously decreased compared to the initial search where all the entries were selected.

The links in the “*Description*” column take you to the “*Settings*” page of the corresponding topological node. For example, the link “*Site 01*” takes you to the following page:

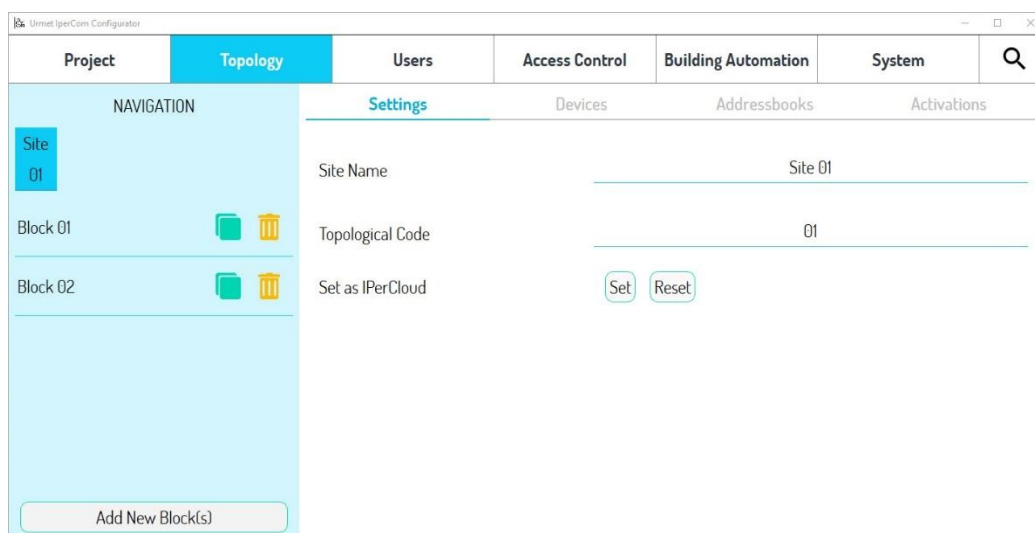


Figure 638: setting a site node

The device search shows the various devices present in the system with the corresponding topological code (block, stair, floor, and apartment), device code (column "D") and device type:

Umet IperCom Configurator

Project

Topology

Users

Access Control

Building Automation

System

entries matching: 4

Filter

☐ nodes

☒ devices

☐ people

☐ time profiles

☐ activations

☐ doors

☐ inputs/outputs

☐ contacts

B	S	F	A	D	Type	Description
01				00	Call Module 1060/12-13-17-18	<a href="#">Call Module</a>
01	01	00	02	00	Video Door Phone 7" VOG7 1761/31-32-33	<a href="#">Video Door Phone</a>
01				01	IperCom Server 1060/1	<a href="#">Server</a>
01	01	00	01	00	Door Phone Miro 1160/3	<a href="#">Door Phone</a>

Figure 639: search for device

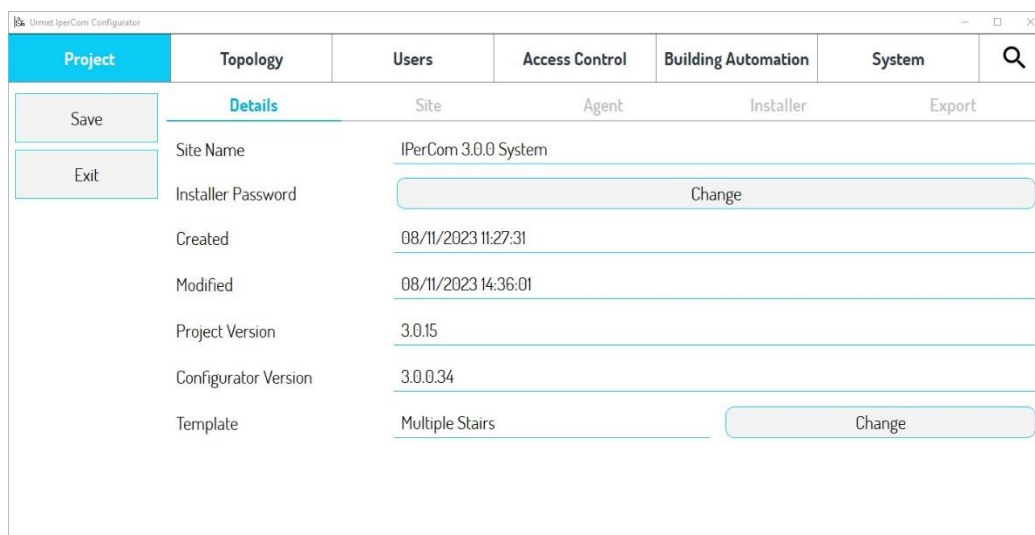
If the device is located on the site node, the table above only shows the device code and not its topological path.

The links in the "Description" column take you to the configuration page of the individual device.

The search by persons, time profiles, activations, doors, inputs/outputs (of *Relay Actuators*) and contacts works in the same way as described above. The corresponding links take you to the person, time profile, activation, doors, inputs/outputs (of *Relay Actuators*) and contacts editing page.

### 8.1.15 How to save the configuration

After creating the configuration, it is possible to save it through the "Project" tab of the *configurator*. The screen displayed is as follows:



The screenshot shows the 'Project' tab of the IPerCom Configurator. The interface includes a top navigation bar with tabs: Project (selected), Topology, Users, Access Control, Building Automation, and System. Below the navigation bar, there are two main sections: 'Details' and 'Export'. The 'Details' section contains a table with the following data:

Field	Value
Site Name	IPerCom 3.0.0 System
Installer Password	Change
Created	08/11/2023 11:27:31
Modified	08/11/2023 14:36:01
Project Version	3.0.15
Configurator Version	3.0.0.34
Template	Multiple Stairs

The 'Export' section is currently empty. The 'Project' tab also includes a 'Save' button and an 'Exit' button on the left side.

Figure 640: project sheet

Press the "Save" button to save the configuration.

The "Exit" button allows you to exit the *configurator* and return to the "Configuration" tab of *IPerCom Installer Tools*. To transfer the configuration to the system, please refer to paragraph [How to use IPerCom Installer Tools for the configuration of a system](#) where the most common use cases of the system configuration are described.

## 9 Upgrading and configuring a single-family system

To update a single-family system, i.e. a *“Villa kit (one-household)”* system, to version 3.3.0 (or higher), configure it and put it into operation, you need to use 2 different applications:

- *Villa Kit Updater* for updating the system;
- *configurator* integrated in the VOG<sup>7</sup>, Basic or MAX video door phones for configuring and commissioning the system.

The *Villa Kit Updater* application is an application released for the Windows operating system: for it to work correctly, the PC where it is installed must have an active Internet connection; otherwise, the application is closed.

The operation of the *configurator* is like what has already been seen for the *configurator* integrated in *IPerCom Installer Tools* (for further details see the paragraph [The configurator](#)).

The number of devices that make up a “Villa kit (one-household)” system must not exceed 6 and the devices must be among those listed below:

- Entry panel 1060/21-22-33-34-74,
- Modular entry panel with 1060/48,
- Video door phone 7” VOG<sup>7</sup> 1761/31-31U-32-33-33U,
- Video door phone 5” VOG<sup>5+</sup> 1761/15-15U-16-16U-18-19
- Video door phone 5” VOG<sup>5</sup> 1761/6,
- Video door phone 7” Basic 1741/1-2-3,
- Video door phone 7” MAX 1717/31-32-33-34,
- Key reader 1060/45-86,
- Relay Actuator 1060/84.

If this condition is not met, you must use the *IPerCom Installer Tools* application to put the system into operation and update it (if necessary).

The following single-family systems are available on the Italian and English markets: Ref. 1060/633-634-635-643-644 (for more details on the devices inside them, see [www.urmet.com](http://www.urmet.com)).



*In general, the “Villa Kit (one-household)” system can also be updated and configured using *IPerCom Installer Tools*, but all the features of *IPerCom Installer Tools* are not necessary for configuring this type of system: therefore, to simplify the procedure, it is advisable to use the *Villa Kit Updater* application and *configurator* integrated into the video door phones of the system itself.*



*If the “Villa Kit (one-household)” system does not have video door phones that integrate the *configurator*, it is mandatory to use the *IPerCom Installer Tools* application for configuration.*



*The count of devices that make up a single-family system does not include any RTSP cameras.*

The following paragraphs explain how to update and configure a single-family system of the “*Villa Kit (one-household)*” type.

## 9.1 Upgrading a single-family system through app *Villa Kit Updater*

The *Villa kit Updater* application can be downloaded from the Urmet website in the section [Software and Firmware](#) (registration on the site is required).

Hardware and software minimum requirements for installation are the following:

- PC with Windows 10 / 11 operating system, quad core CPU and frequency greater than 2GHz;
- SSD disk with 512GB or higher capacity (no hard disk);
- 8GB or higher RAM memory;
- 10/100/1000 Mbit/s network card.

To update your system to version 3.3.0 (or higher), follow the steps below.

1. Launch the *Villa Kit Updater* application clicking 2 times with mouse on related executable file desktop shortcut. The following window is shown:

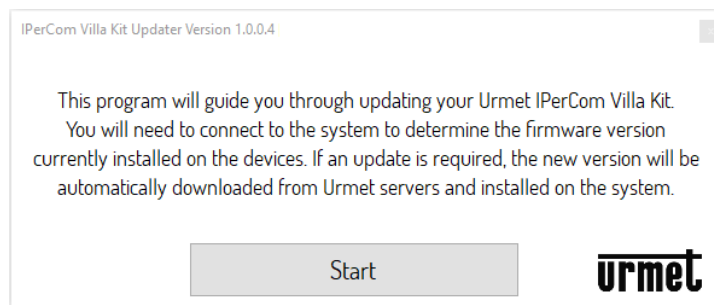


Figure 641: Villa Kit updater application launch window



*If the PC where the Villa Kit Updater application has been installed does not have an available Internet connection, the application is closed immediately after startup (the absence of an Internet connection is reported via a relevant dialog box).*



*At each start, the application checks whether there is a more updated version than the one installed: if so, it is mandatory to proceed with the application update.*

2. Press the “Start” button; the following window appears, where you need to choose the network interface through which the PC is connected to the IPerCom system:

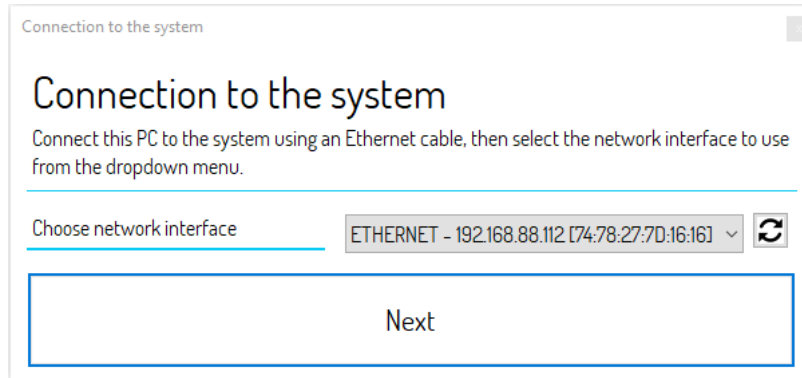




Figure 642: selecting the network interface

The  button allows updating the list of available network interfaces.



To find out the IP and MAC addresses of the network interface through which you are connected to the IPerCom system, you need to press on the “Open Network and Internet settings” item, which appears by pressing with the right mouse button the icon  at the bottom right on your PC monitor. A screen opens with the list of available networks. After pressing on the corresponding “Properties” item, you can view the IP address and MAC address.

3. Press the “Next” button; a check is made on the firmware version of the devices connected to the system, then a check is made on the presence of any updates on the Urmet Servers and finally how many devices are present on the system are detected:

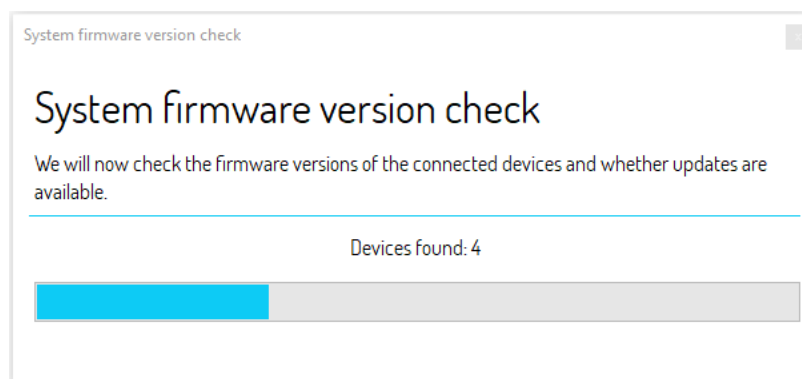


Figure 643: system checks



If the system is already updated to the latest available version, at the end of the various checks this is indicated by a specific dialogue window: by pressing the relevant “OK” button, the Villa Kit Updater application is terminated.

4. Once all the checks are completed, this screen appears (In case an update is available):

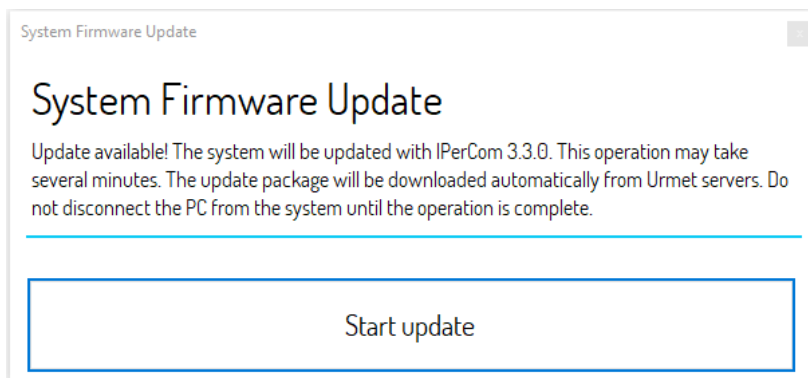


Figure 644: update available

5. Press the "Start update" button to begin the update file download phase; the following screen appears:

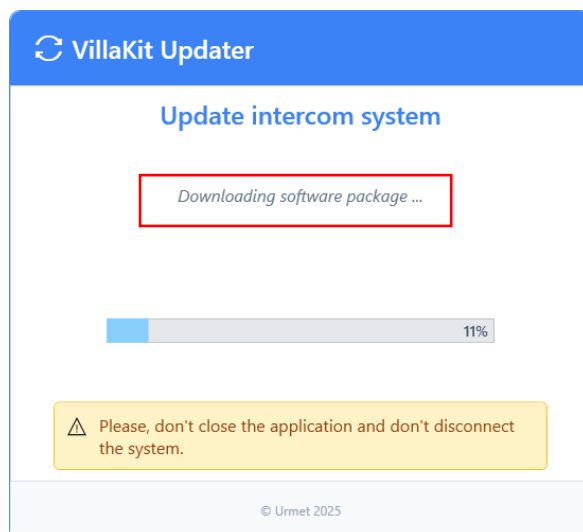


Figure 645: start of the download phase

6. Once the download phase is finished, wait for the file to be processed correctly (as highlighted in the figure below):

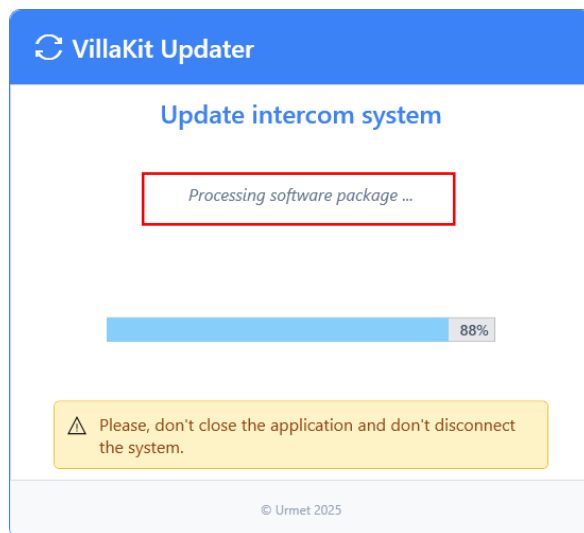


Figure 646: the update file is being processed

7. Once the processing phase of the downloaded update file is finished, the screen shown below appears, where application starts to update the system:

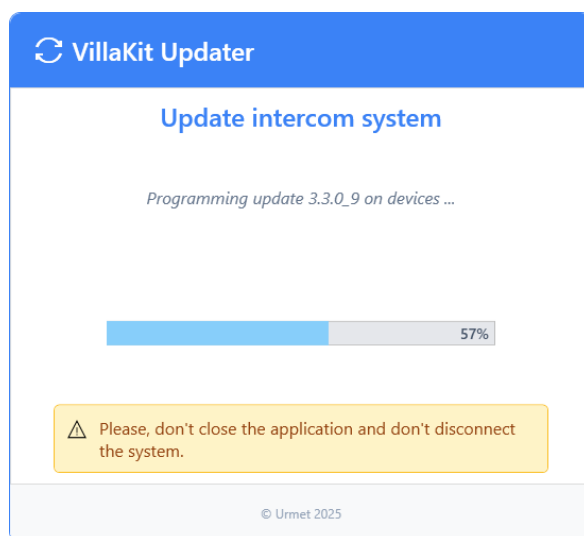


Figure 647: system firmware update

8. Once the update is complete, the following window is shown:

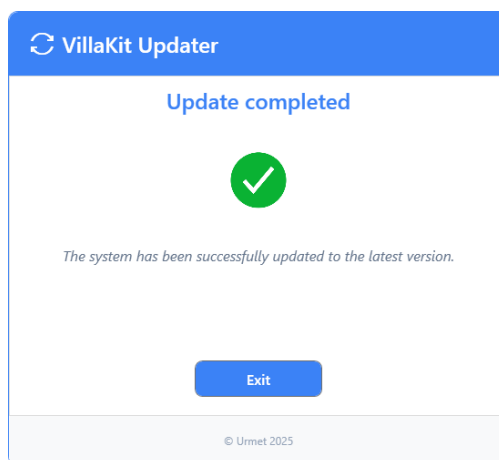


Figure 648: update completed successfully

The “Exit” button closes the application.



*If the system detects more than 6 devices, this is reported during the check phase by a dialog box:*

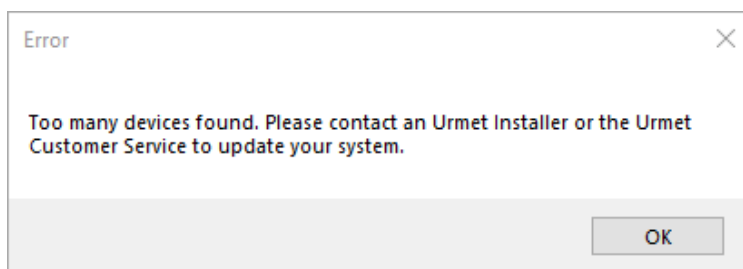
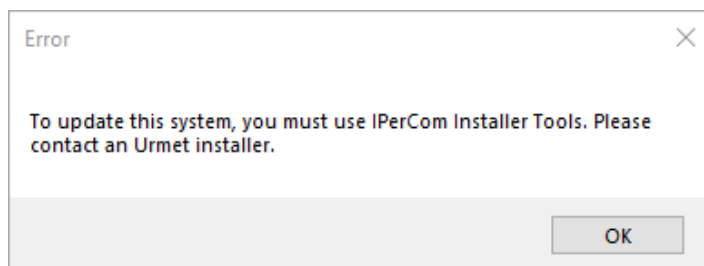


Figure 649: number of devices exceeded

*Pressing the “OK” button, the application is closed.*



*If the “Villa kit (one-household)” system is configured (and in case also updated) using IPerCom Installer Tools version 3.3.0, each subsequent update of the system must be performed by the authorized installer, which is equivalent to using the IPerCom Installer Tools application. If you try to update the system via the Villa Kit Updater app, the following message is displayed:*



*Figure 650: system cannot be updated by Villa Kit Updater app*



*If the “Villa kit (one-household)” system is not configured and updated using IPerCom Installer Tools version 3.3.0, a subsequent update can be performed both via IPerCom Installer Tools and via the Villa Kit Updater application.*



*Villa Kit Updater application can only update a single-family system: downgrade procedure is not supported.*

## 9.2 Commissioning a single-family system through video door phones

Commissioning a single-family system through a video door phone involves the following points:

- setting the date and time (see paragraph [Setting the date and time](#));
- creating the **project** with the relative **configuration** (see paragraph [Project creation with relative configuration from VOG7, Basic or MAX video door phones](#));
- distributing the configuration to the system devices (see paragraph [Configuration distribution](#));
- securing (or blocking) the system (see paragraph [System block](#)).

To perform the above, you must first:

1. set, if required, the operation of the video door phone in IPerCom mode (that is the normal use of the video door phone);
2. access the IPerCom *configuration menu* in the 2 modes listed below:
  - from the start screen with QR code on video door phones not yet configured,
  - from the *Top Page* screen if the start screen with QR code has been closed.

The following describes how to set the video door phone to operate in IPerCom mode (when required) and how to access the *configuration menu*.

### 9.3 IPerCom operating mode for unconfigured VOG<sup>7</sup>, Basic or MAX video door phones

The VOG<sup>7</sup> and MAX video door phones (1717/2x and 1717/3x) not configured at startup show a screen like the one shown below:

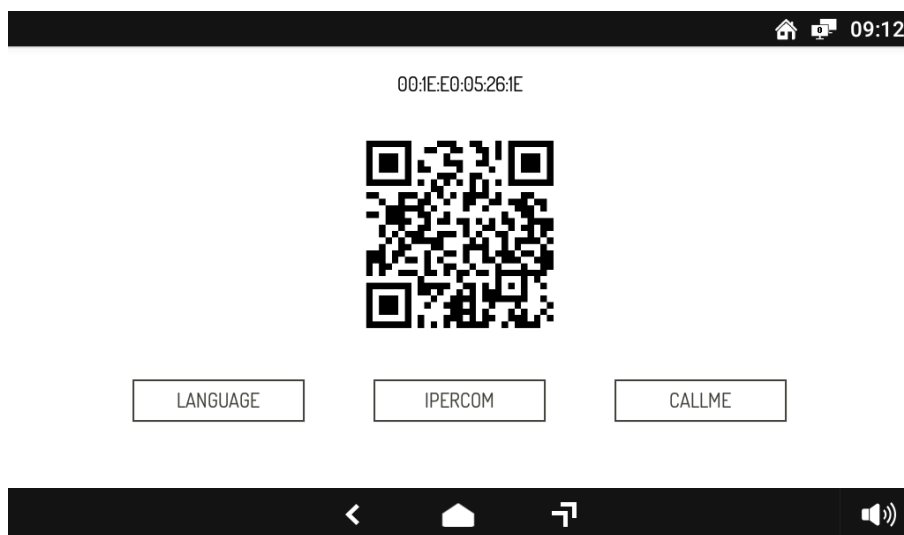


Figure 651: startup screen of an unconfigured VOG<sup>7</sup> and MAX 1717/3x and 1717/2x video door phone

The “LANGUAGE” button allows you to change the language of the video door phone, choosing one from those shown in the relevant list:

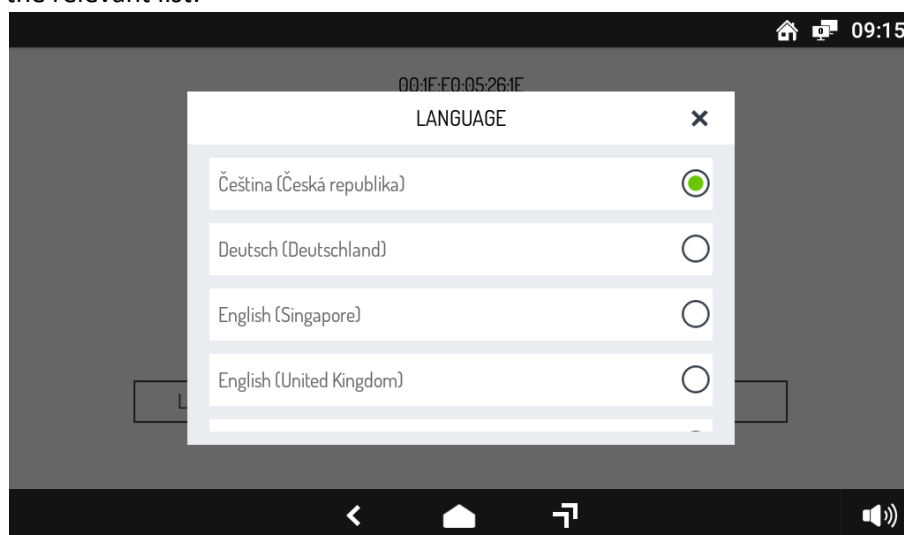


Figure 652: video door phone language selection

The language thus selected is immediately applied to the video door phone.

The “IPERCOM” button allows you to set the video door phone in IPerCom mode (after confirming in the relevant dialogue window) and thus display the “CONFIGURATION” button to access the configuration menu:

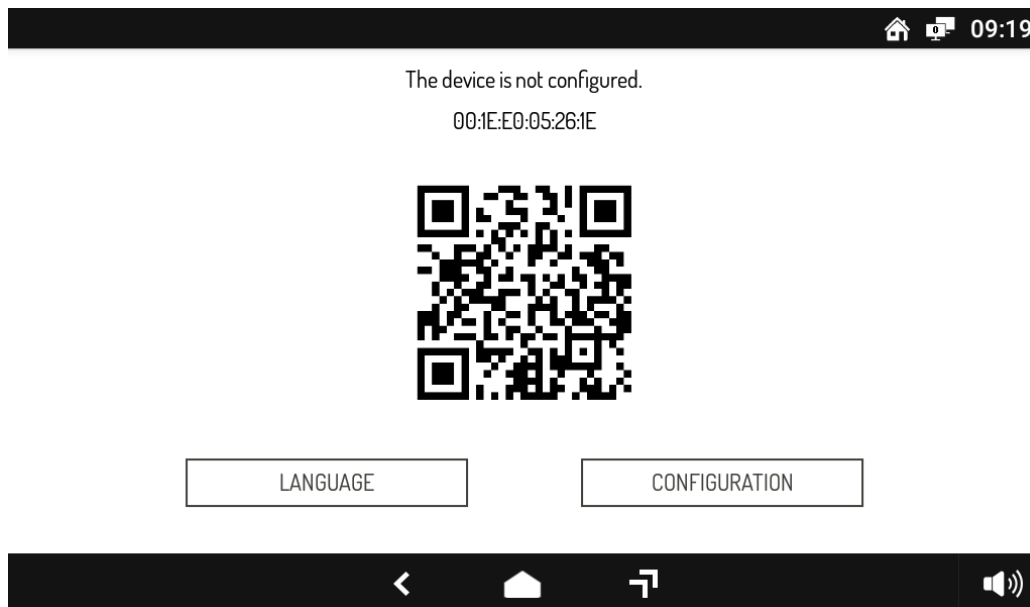






Figure 653: video door phone in IPerCom mode

-  Accessing the configuration menu from the video door phone allows you to configure only the “Villa Kit (one-household)” system type.
-  If there are different video video door phones in the system, simply press the “IPerCom” button only on the video door phone from which you want to access the configuration menu. Once the configuration has been completed and distributed to the system, the other video door phones automatically exit the screen shown above ([Figure 651](#)) and operate in IPerCom mode as done during the configuration definition phase.
-  Once you have selected the IPerCom mode, if you want to return to the screen in [Figure 651](#), you need to perform a factory reset operation.

The “CallMe” button allows you to configure the video door phone in **CallMe** mode (for further details see [APPENDIX Z: CallMe operating mode for VOG7, MAX 1717/3x and 1717/2x video door phones](#)).

-  Once you have selected the CallMe mode, if you want to return to the screen in [Figure 651](#), you need to perform a factory reset.

*Basic* and *MAX 1717/4x* video door phones that are not configured at startup show a screen like the one below:

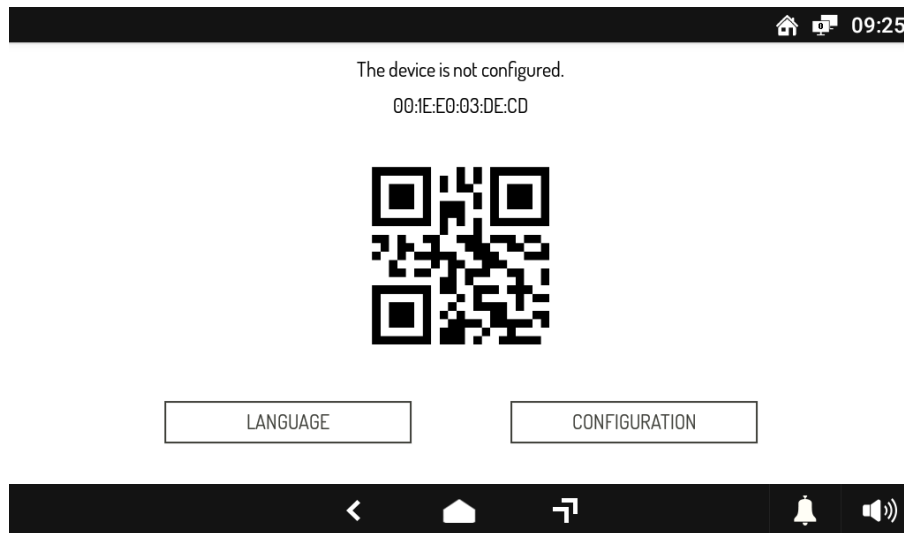



Figure 654: startup screen of an unconfigured *Basic* and *MAX 1717/4x* video door phone

These video door phones do not have the “*CallMe*” button and therefore they start directly in IPerCom mode.

### 9.3.1 Access to the configuration menu from the start screen of *VOG<sup>7</sup>*, *Basic* or *MAX* video door phones not configured and set to IPerCom mode

The “*CONFIGURATION*” button allows you to access the IPerCom configuration menu both in the case of the *VOG<sup>7</sup>*, *MAX 1717/2x* and *1717/3x* video door phones and in the case of the *MAX 1717/4x* and *Basic* video door phones.

### 9.3.2 Accessing the configuration menu via the *Top Page* button

If you exited the start screen with QR code, to access the configuration menu you need to go to the *Top Page* via the button  available on the top bar, then press the settings button indicated in the red box in the following figure:

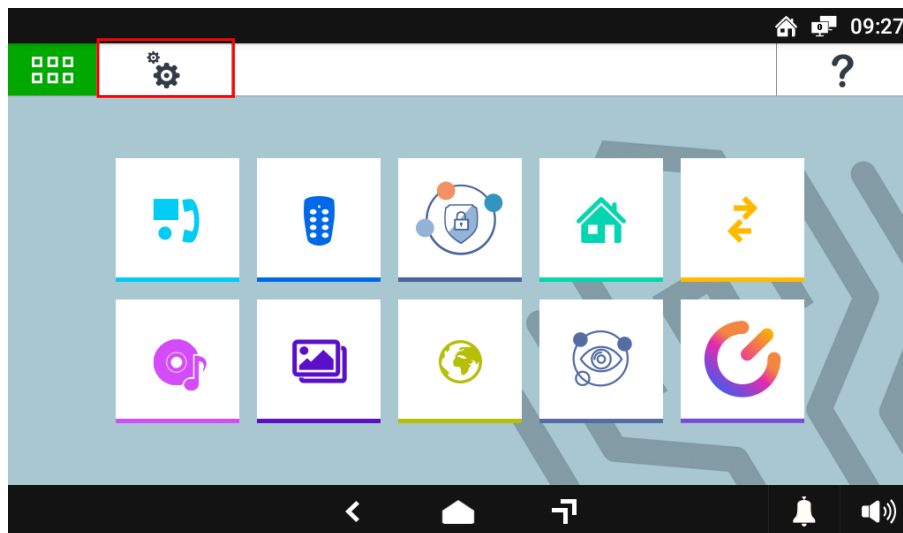


Figure 655: button to access the *Top Page* settings

This will bring up the *Top Page* settings menu:

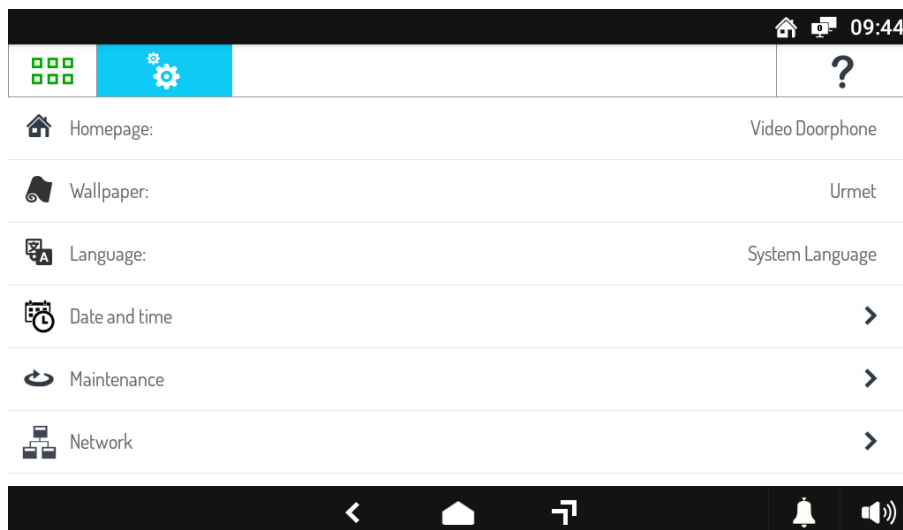


Figure 656: *Top Page* settings (first part)

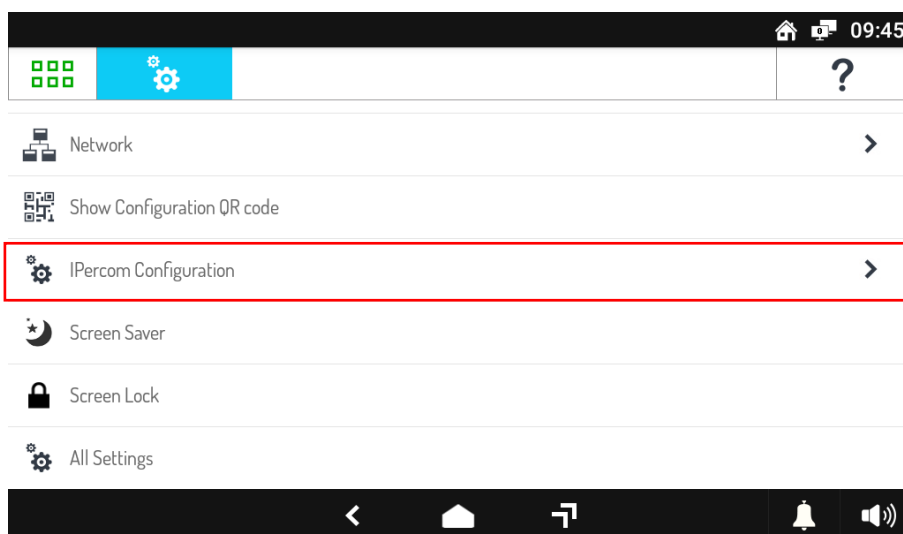


Figure 657: Top Page settings (second part)

Access to the configuration menu is achieved by pressing on the “IPerCom Configuration” item (see [Figure 657](#)).

## 9.4 Setting the date and time

Regardless of how you access the configuration menu (“CONFIGURATION” button or “IPerCom Configuration” item), you are required to set the correct date and time to start up the system.

This is done via the following screen:

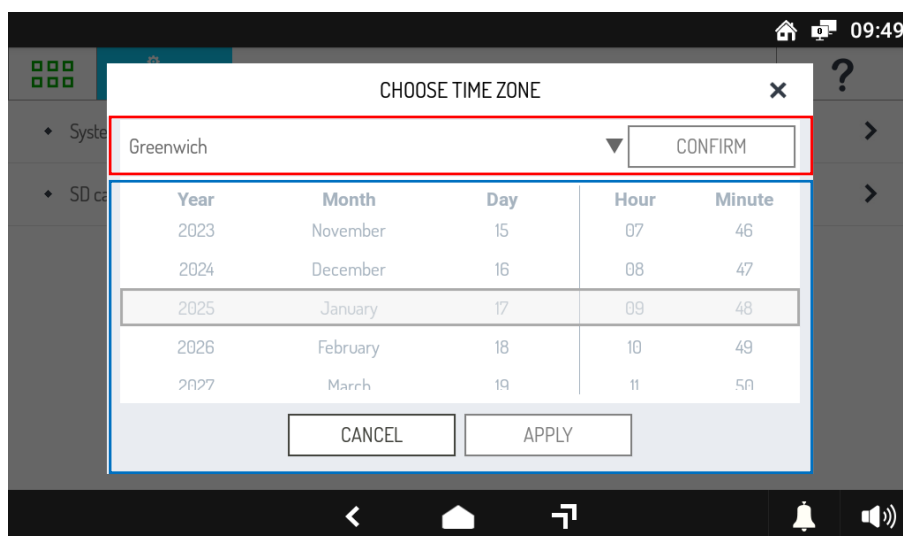


Figure 658: setting the date and time

You can find two sections:

- time zone (highlighted in red), where you set the time zone;
- date and time (highlighted in blue), where you set the current date and time.

The time zone is set via the drop-down menu in the section highlighted in red; once the correct one is chosen, the following screen is displayed:

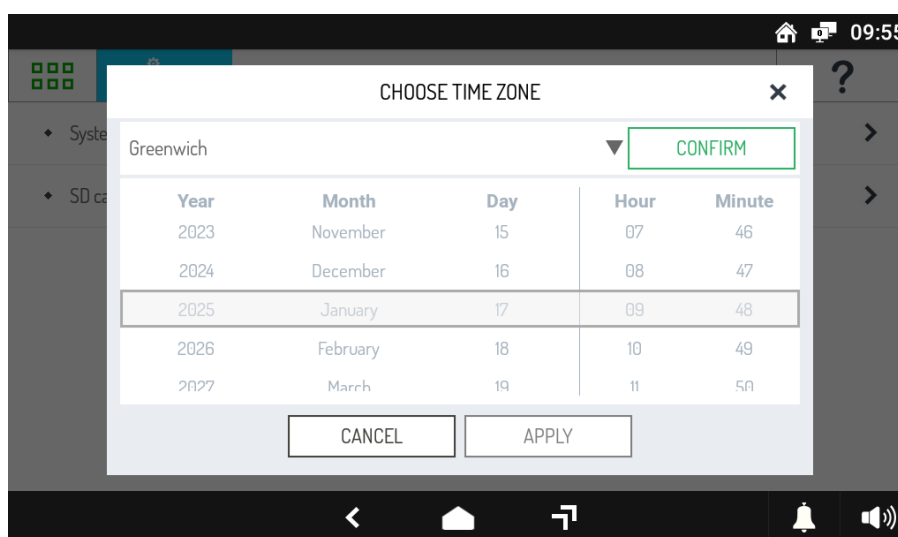


Figure 659: time zone setting

By pressing the “CONFIRM” button, you confirm the time zone selection and enable the section highlighted in blue for setting the date and time:

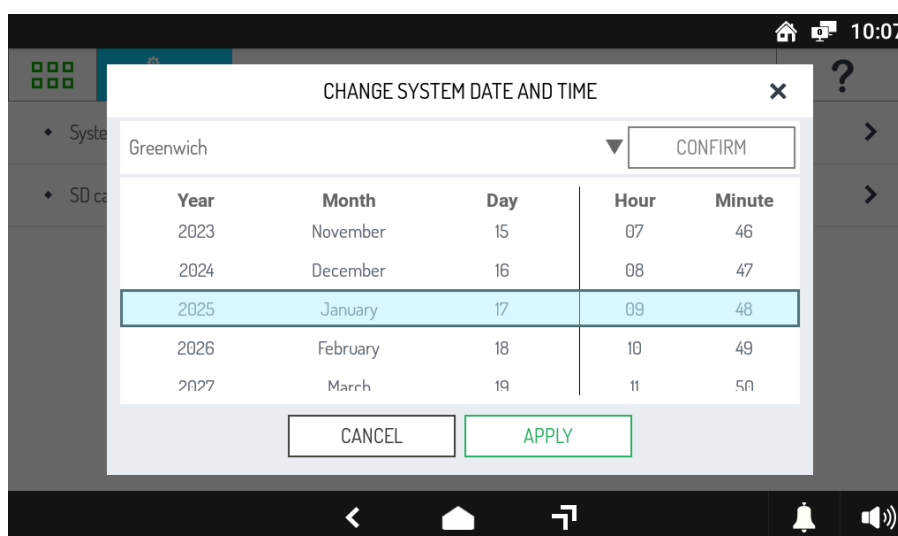


Figure 660: set date and time

After selecting the year, month, day, hour, and minutes, by pressing the “APPLY” button the system will acquire the set date and time.

As for the time zone setting, this will be applied only to the current device: the time zone is applied to the entire system via the *configurator* (see paragraph [Project creation with relative configuration from VOG7, Basic or MAX video door phones](#)).



**It is recommended to set the same time zone in the configurator as chosen on the video door phone, so that the entire system shows the correct date and time.**

Once the correct date and time have been set, it is possible to display the *configuration menu* as shown in the next paragraph.

## 9.5 Configuration menu

Once you have finished setting the date and time, the setup menu appears, as shown in the following screen:

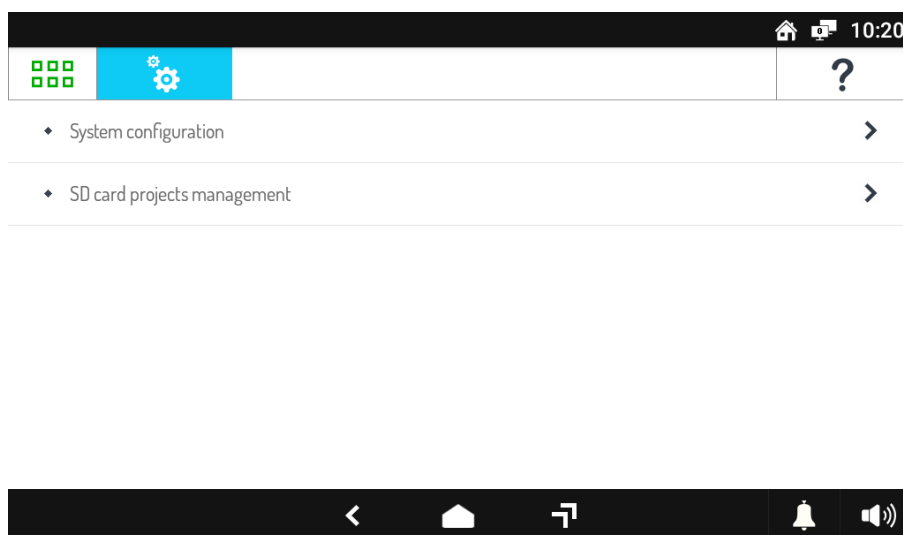


Figure 661: configuration menu

The configuration menu is divided into two submenus: “*System configuration*” and “*SD card project managements*”.

The “System configuration” submenu contains the following items:

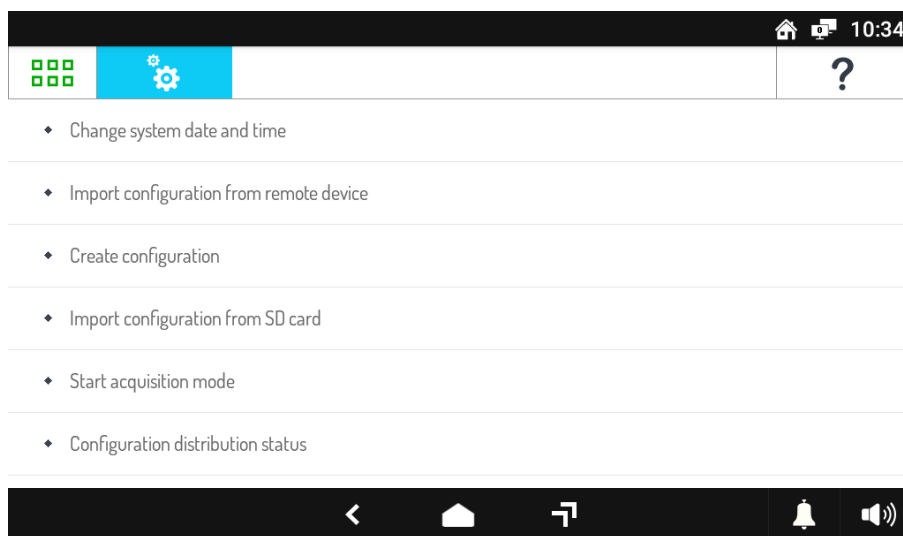


Figure 662: “System configuration” submenu items (part 1)

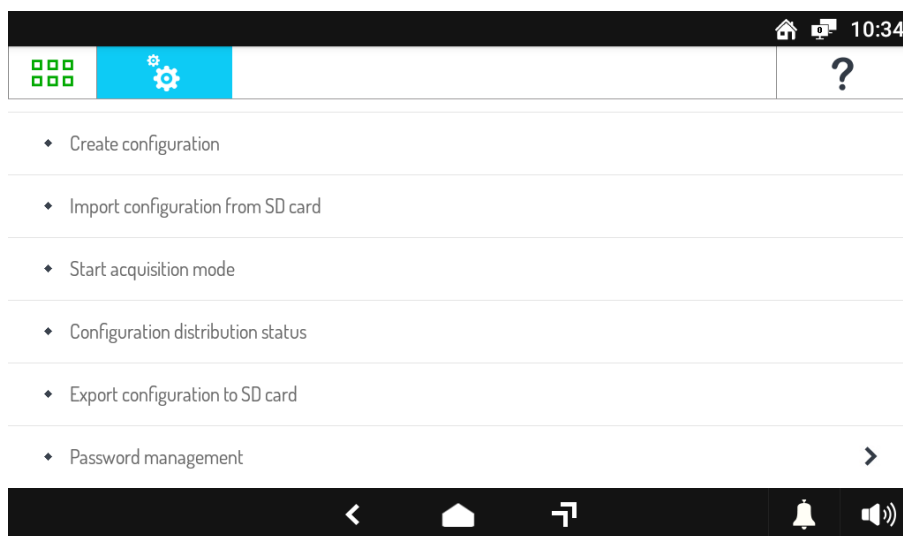


Figure 663: “System configuration” submenu items (part 2)

These items allow you to:

1. change only the date and time of the system;
2. import the configuration from another already configured device present in the network;
3. create a new system configuration or modify the current one: in both cases the configurator will open;
4. import the system configuration via SD card;
5. start the "acquisition mode";
6. check the distribution status of the configuration of the IPerCom devices present in the network;
7. export the system configuration to SD card;
8. manage the administrator and installer passwords.



**Points 2) and 5) will not be described in this manual as they refer to old IPerCom functions that are no longer necessary for the commissioning of a “Villa Kit (one-household)” type system from a video door phone.**

The “SD card project managements” submenu contains the following items:

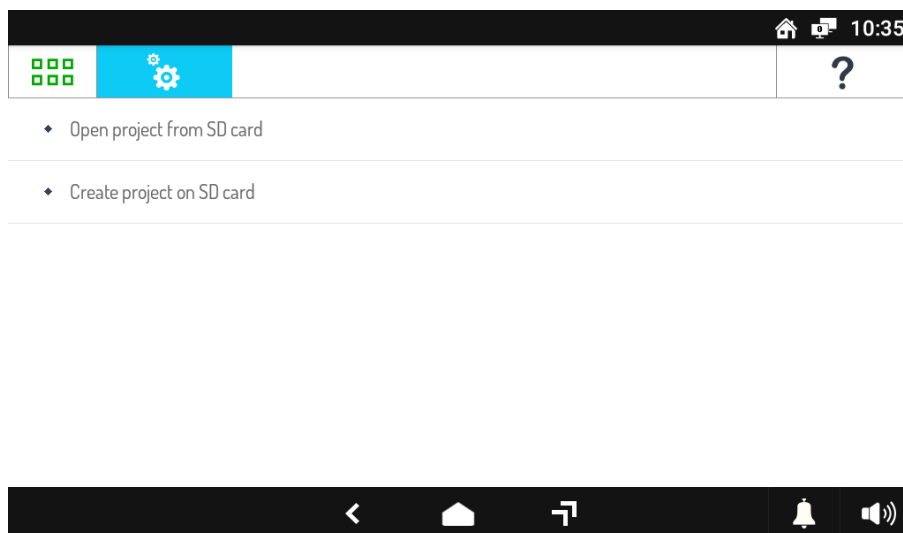


Figure 664: “SD card projects management” submenu items

These items allow you to:

1. open (and possibly modify and save) projects from SD card;
2. create projects to save on SD card.

These operations therefore allow you to use the VOG<sup>7</sup>, Basic or MAX video door phone as a configuration editor for the “Villa Kit (one-household)” system topology. For further details, see the paragraph [Project management on SD card](#).

The steps required to commission the system will be described below.

## 9.6 Project creation with relative configuration from *VOG<sup>7</sup>*, *Basic* or *MAX* video door phones

The creation of the project with the relative configuration takes place from the *VOG<sup>7</sup>*, *Basic* or *MAX* video door phones via the “*Create configuration*” item from the “*System configuration*” menu, when the system is not configured:

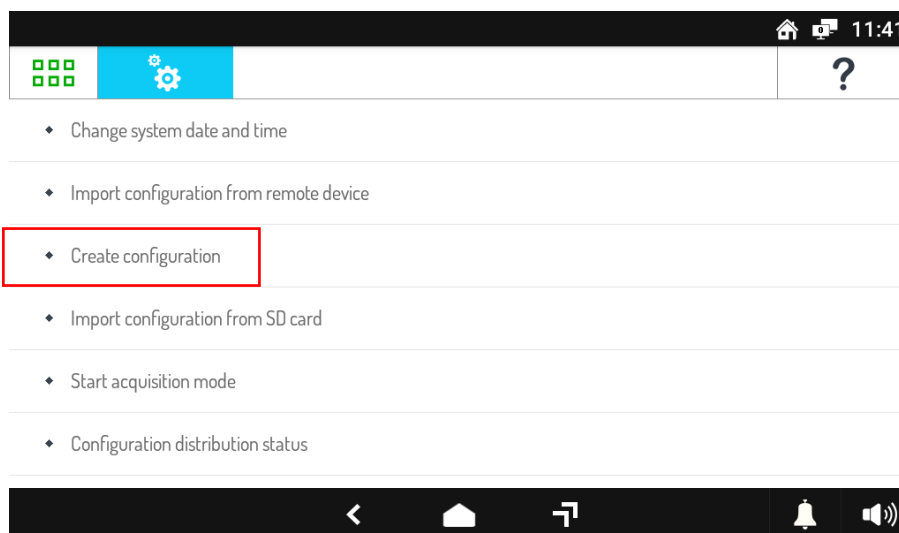


Figure 665: item to create the first configuration of a “*Villa Kit (one-household)*” system

By clicking on the “*Create configuration*” item, the following screen is displayed, where the only type of system proposed is the “*Villa Kit (one-household)*”:

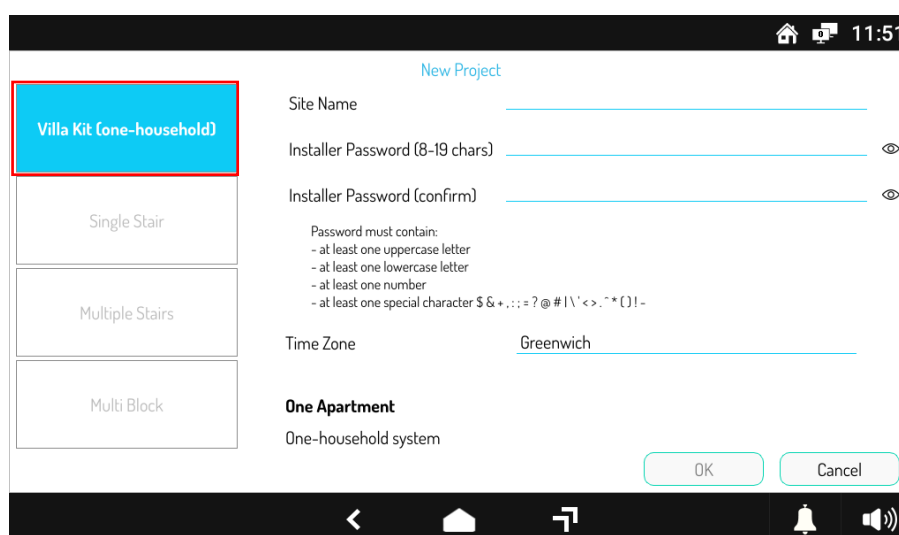


Figure 666: creating a new project via the configurator

In this screen you can enter (within the project you are creating):

- the name of the site (i.e. the name of the system you are configuring),
- the installer password (to access the *configurator*),
- the time zone (you must enter the same time zone set in the date and time setting screen in [Figure 660](#)).

At this point you can press the “OK” button to start the *configurator*. The screen that appears is the following:

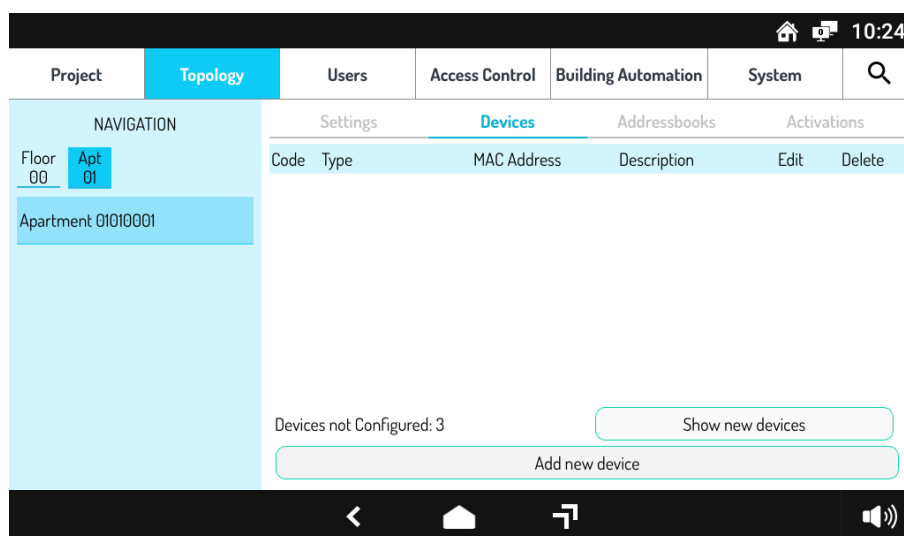


Figure 667: opening the configurator

In a “*Villa Kit (one-household)*” system type, creating the configuration in most cases involves adding devices to the configuration itself and configuring the call forwarding function. In fact, since the “*Villa Kit (one-household)*” is a small-sized system topology (a single-button calling station with one or more apartment stations), it is not generally required (via the *configurator*) to create address books, activations, residents, and non-residents with an access profile. If this is not the case, consult the links below to obtain more information on these topics:

1. creating directories ---> [Contacts](#),
2. creating activations ---> [Activations](#),
3. creating residents/non-residents ---> [User management](#),
4. associating an access profile to a resident/non-resident ---> [Access control](#).



On the “System” tab in the “Global Settings” section, the item “Default Apartment Type” cannot be edited in IPerCloud (the default is IPerCom) while in the “Call Forwarding Settings” section, the item “IPerCloud Test Mode” is always disabled. These values can only be changed using the IPerCom Installer Tools.

### 9.6.1 Adding devices to the configuration using the “Show New Devices” button

After starting the *configurator* from the video door phone, the “Devices” tab shows the number of devices connected to the system but not yet configured at the bottom left:

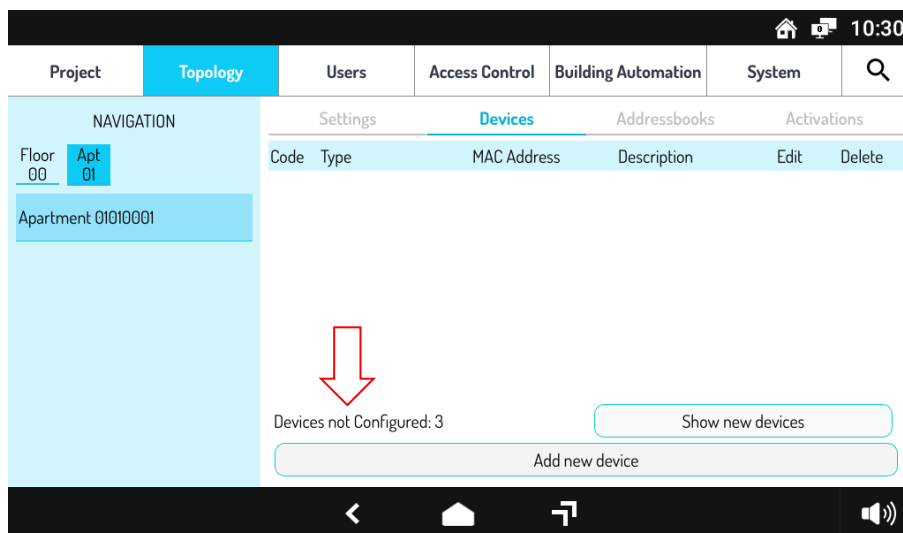


Figure 668: number of connected and unconfigured devices

By pressing the “Show new devices” button, the list of devices to be configured is displayed:

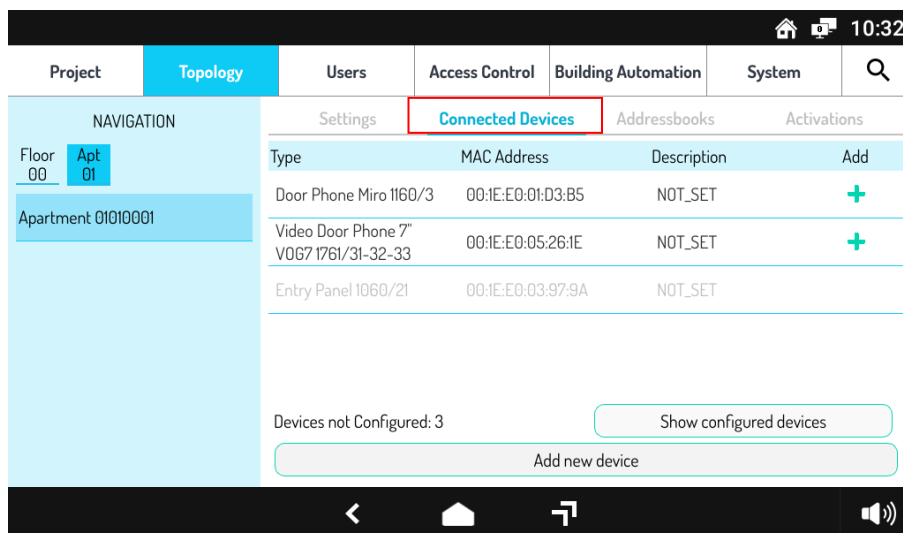


Figure 669: list of devices connected to the system and not yet configured


When viewing the list of devices to be configured, the “Devices” tab is renamed to “Connected devices” (as highlighted above).


If there are devices that cannot be configured on the topological node where you are positioned, these appear in light grey and the related button is not displayed.

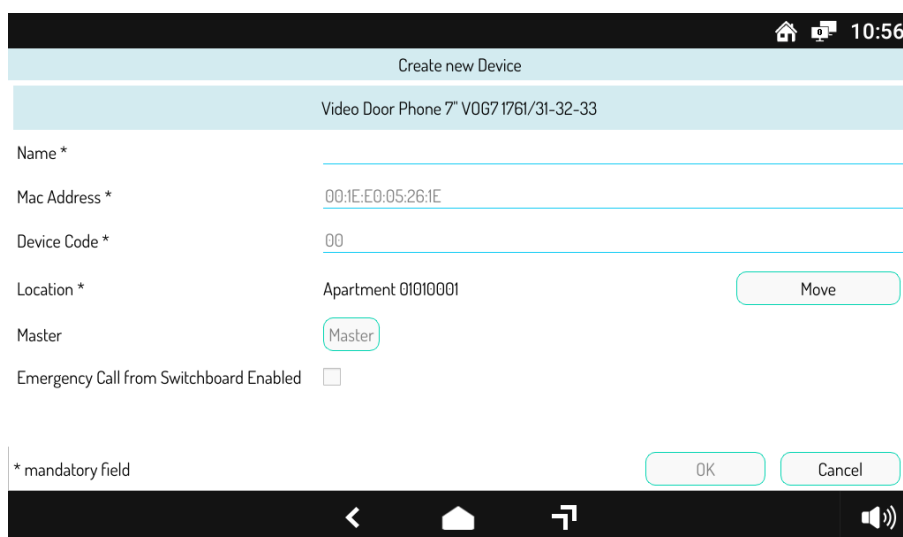


The “Show new devices” button is displayed only if the video door phone from which the configuration is created is connected to the system.

Configuration occurs according to the two steps below:

- select the node where adding the device through the navigation module (yellow box);
- press the button  relating to the device you want to add.

For example, if you want to add a VOG<sup>7</sup> video door phone in an apartment, after positioning yourself on the topological node in question, simply press the button  of the relevant video door phone. The following screen appears:



Create new Device

Video Door Phone 7" VOG7 1761/31-32-33

Name \*

Mac Address \* 00:1E:E0:05:26:1E

Device Code \* 00

Location \* Apartment 01010001 Move

Master Master

Emergency Call from Switchboard Enabled ☐

\* mandatory field OK Cancel

Figure 670: adding new device

Once the VOG<sup>7</sup> video door phone in question has been configured; by pressing the “OK” button, you return to the list of devices to be configured:

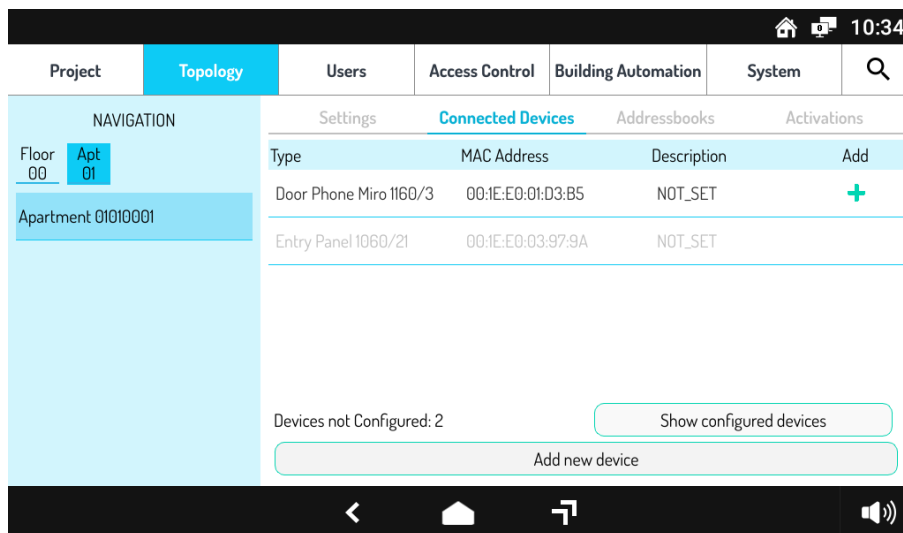


Figure 671: list of devices to configure updated

The “Show configured devices” button instead shows the devices configured on the topological node in question:

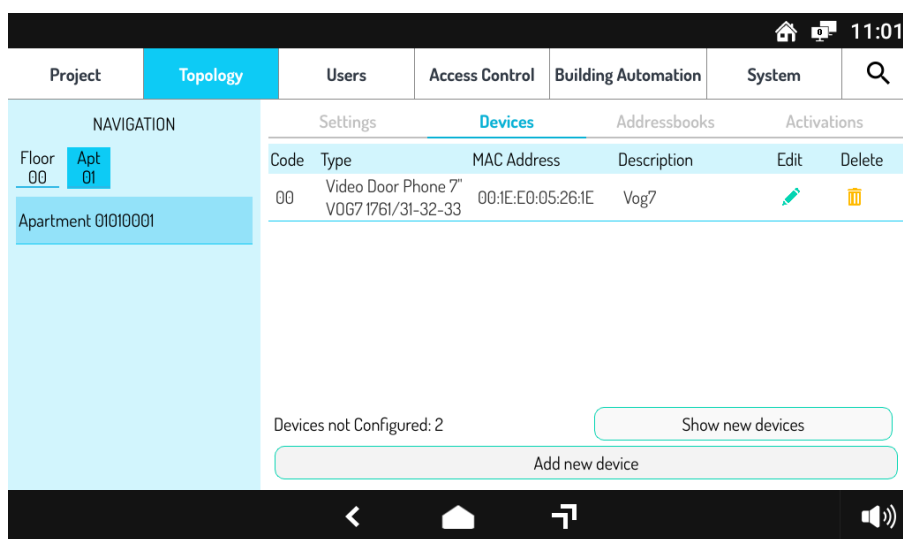


Figure 672: list of devices configured on a specific node

Once all the devices have been configured, the “Devices not configured” field will show the value 0 and the related list accessible via the “Show new devices” button will be empty.

To view the devices configured on each topological node, via the navigation module, you must choose a topological node, then via the “Devices” tab a list of the devices configured in the chosen topological node will be displayed.

To configure the call forwarding function, you must select the “System” tab, then the “Call forwarding settings” section (for more information on the various parameters see the [Call Forwarding Settings](#) paragraph).

## 9.6.2 Configuration distribution

After configuring all the devices and finishing the configuration changes, you need to apply it to the system. To do this, you need to select the “Project” tab from the *configurator* and then press the “Apply” button, as shown below:

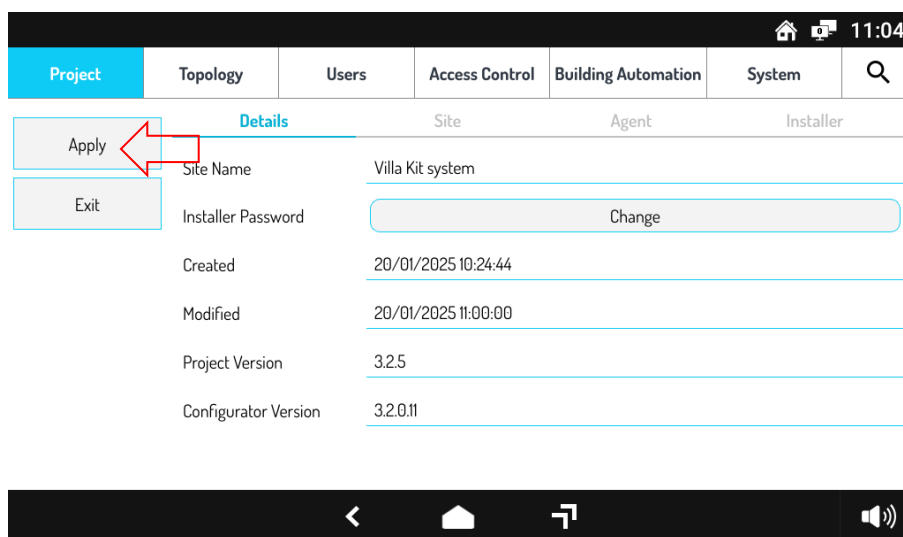


Figure 673: “Project” tab with “Apply” button to distribute the configuration

After pressing the “Yes” button in the relevant dialog box, the following window will be displayed, which reports the status of the configuration distribution on the plant:

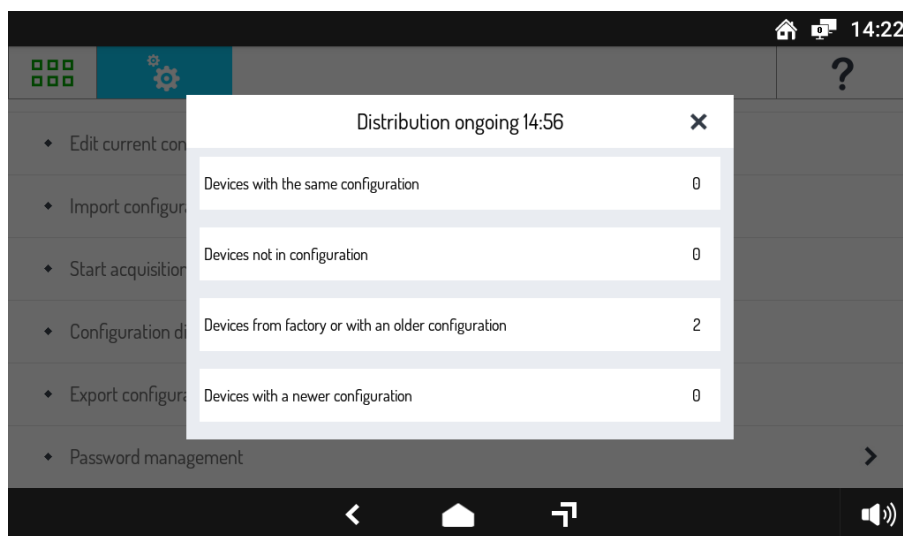


Figure 674: configuration distribution status

This window displays the following information:

- “*Devices with the same configuration*”, that is the number of devices that have the same configuration;
- “*Devices not in configuration*”, that is the number of devices that have not been included in the configuration;
- “*Devices from factory or with an older configuration*”, that is the number of devices with an older configuration than the newly created configuration or that do not have any configuration;
- “*Devices with a newer configuration*”, that is the number of devices that have a more recent configuration than the newly created configuration.

The distribution of the configuration is considered **complete** when all the devices added to the configuration have the same configuration: in this case, in the configuration distribution status, the last two items (“*Devices from factory or with an older configuration*” and “*Devices with a newer configuration*”) will have a value of 0, as shown in the following figure:

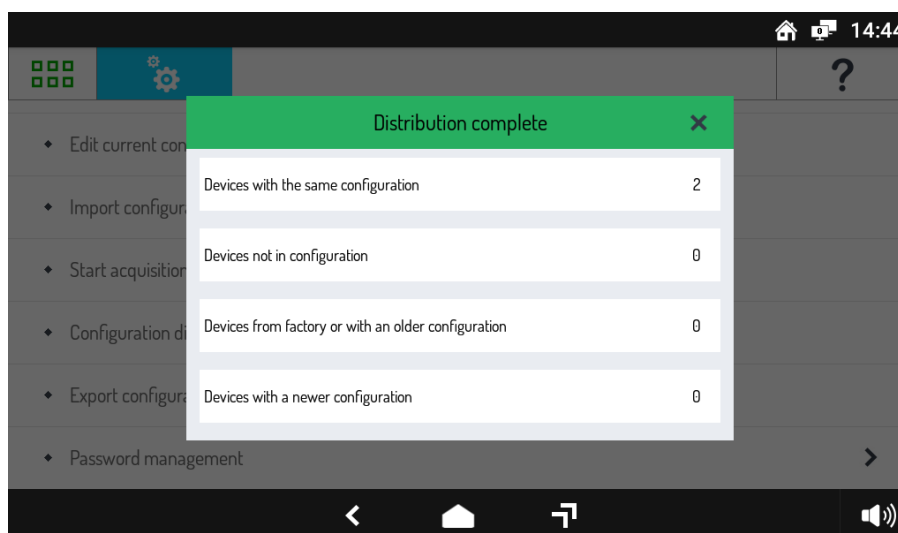


Figure 675: configuration distribution completed

The correct distribution of the configuration is indicated by the green bar, as shown in the figure.

**Once the configuration distribution is completed, the system can be used as it was done in the configuration.**

The item “*Devices with the same configuration*” shows the number of devices that have correctly received the configuration created by one of the video door phones in the system (therefore this number will be equal to the number of devices that make up the system minus one).

### 9.6.3 System block

After distributing the configuration to the various devices, the owner of the apartment **must block the system** using an appropriate password, **to secure the system itself**. This is done from the *configuration menu* (“IPerCom Configuration”) via the item “System configuration” ---> “Password management”:

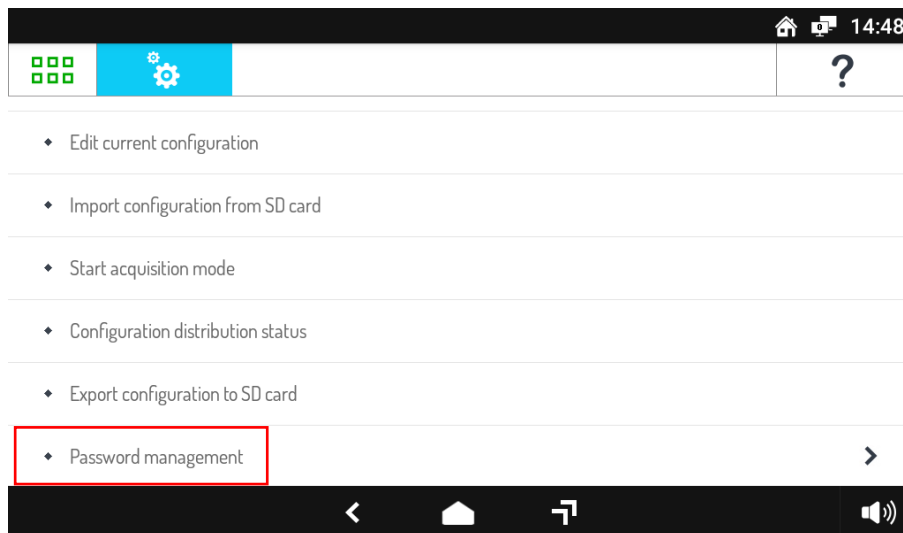


Figure 676: password management menu

By clicking on the “Password management” item, the following screen is displayed:

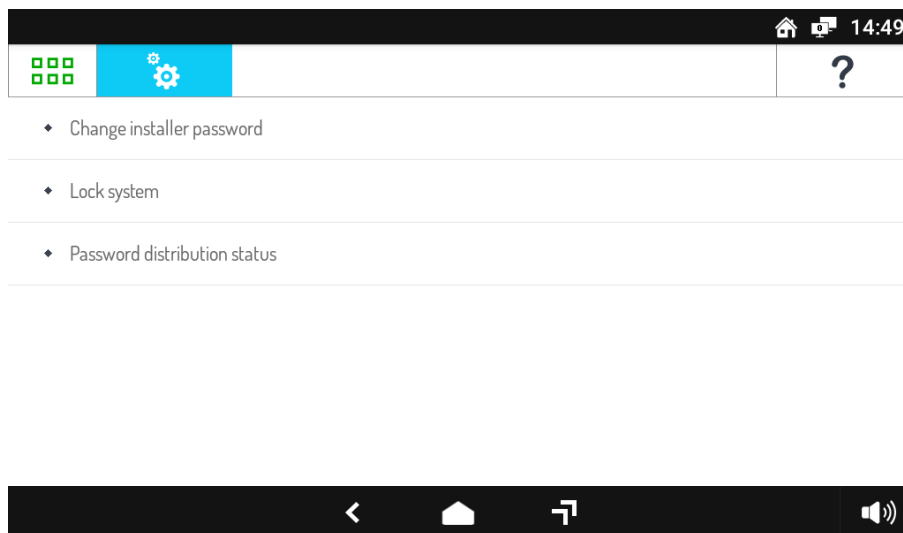


Figure 677: password management

By pressing on the “*Block system*” item, the following screen appears:

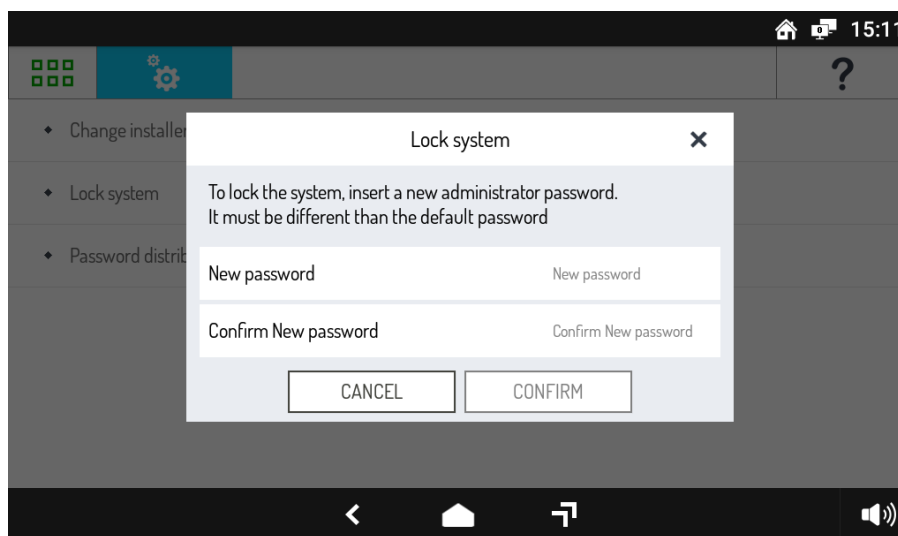


Figure 678: setting administrator password

Once you have entered and confirmed the password, you must wait for it to be distributed to all devices in the system. The correct end of the password distribution is indicated by the green bar, as shown in the figure:

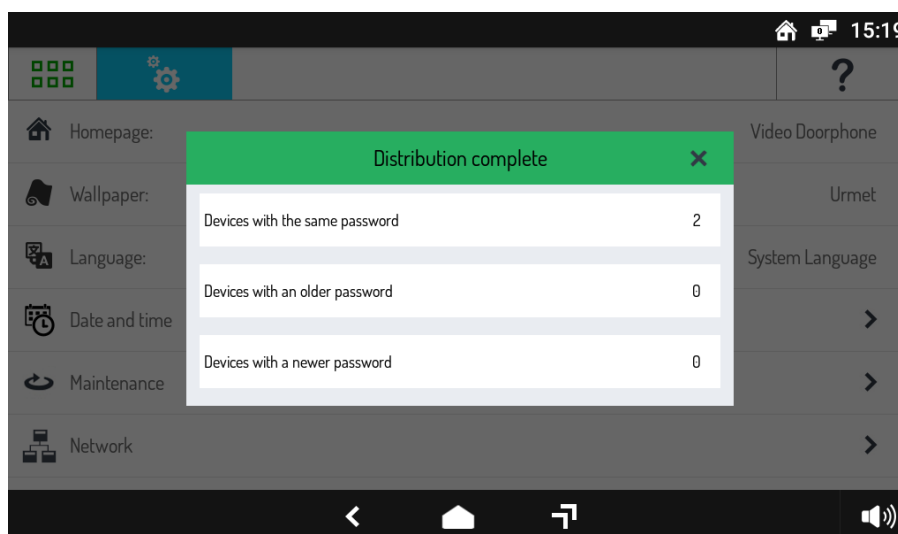


Figure 679: administrator password distribution

Once the system is locked, the installer can no longer make changes to the configuration and the system itself. The owner can unlock the system to allow access to the installer when it is necessary to make substantial changes to the configuration: once the installer has made changes to the system, the owner can lock it again.



*The system can be locked from any of the VOG<sup>7</sup>, Basic or MAX video door phones in the configuration.*

#### 9.6.4 Unlocking the system

Unlocking a system (previously blocked) occurs by pressing the *configuration menu* item (“IPerCom Configuration”):

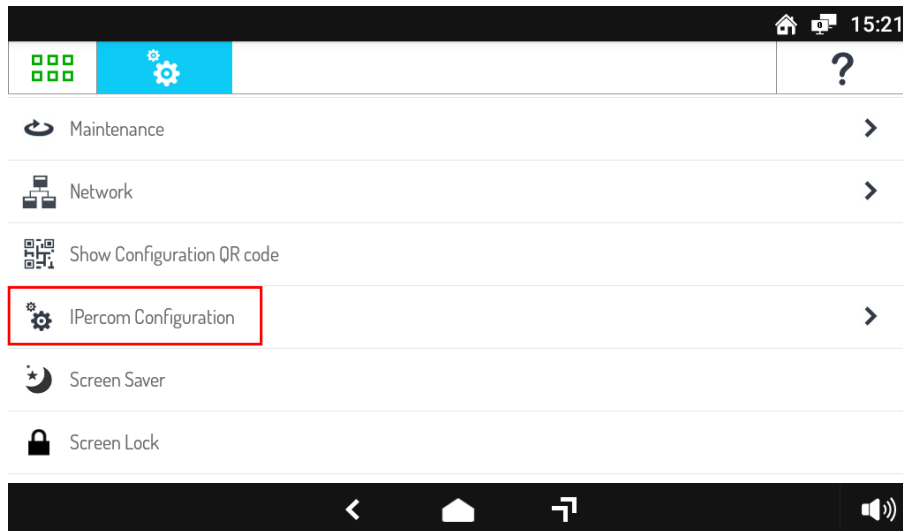


Figure 680: access to the configuration menu

You are prompted to enter your administrator password:

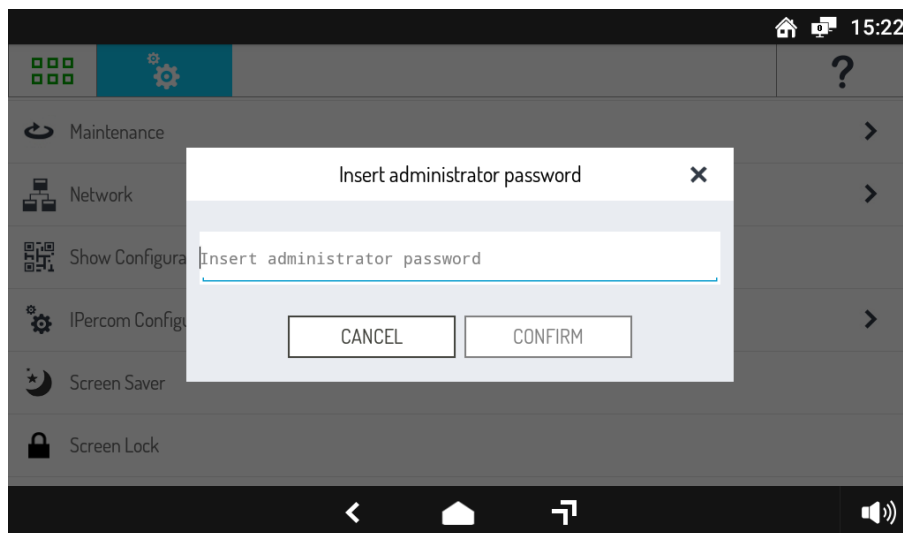


Figure 681: enter administrator password to access the configuration menu

Then through the item “System configuration” ---> “Password management” you access the screen shown below:

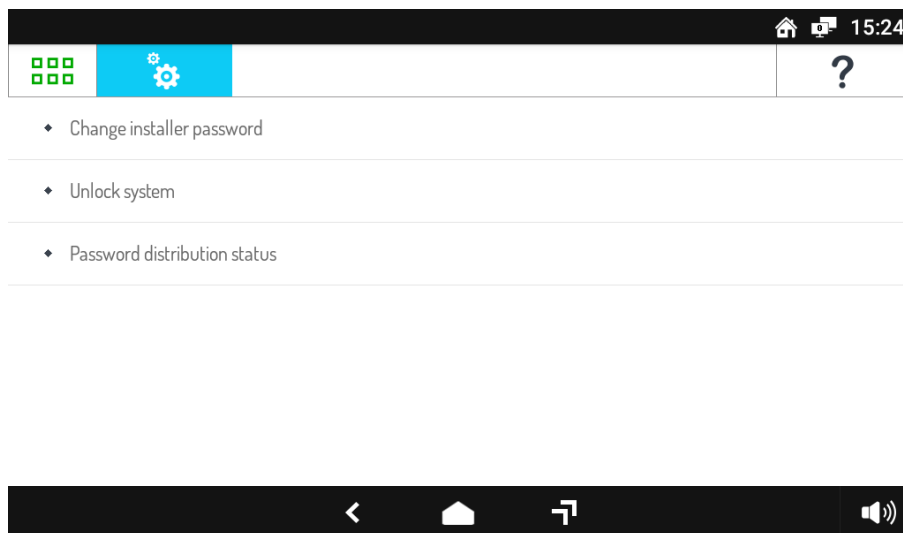


Figure 682: password management

The “Unlock system” item allows you to unlock the system (after confirming the request in the relevant dialogue window). The correct end of the system unlocking process is signalled by a green bar in the relevant distribution process.

In this way, to access the configuration, you only need to enter the installer password.



*The system can be unlocked from any of the VOG<sup>7</sup>, Basic or MAX video door phones present in the configuration.*



*To change the administrator password of a blocked system, you must unlock the system and then perform a new block with a new password.*

### 9.6.5 Change installer password

Changing the installer password is necessary if the administrator decides to change the installer or if the installer has simply forgotten the password. In both cases, changing the password does not require knowing the previous one.

To change the installer password, press the *configuration menu* item (“IPerCom Configuration”), then go to “System configuration” and then to “Password management”. The screen that appears is the following:

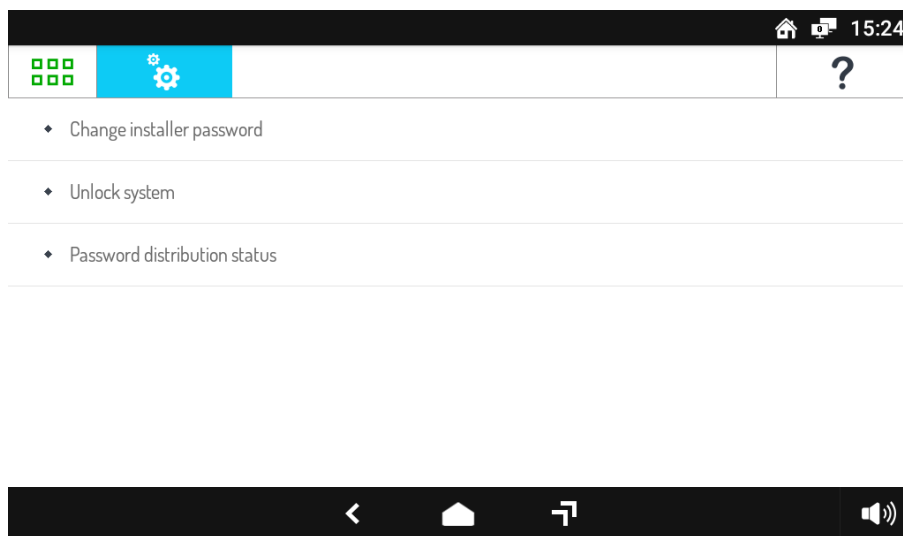


Figure 683: password management

By pressing on the item “Change installer password”, the following screen appears:

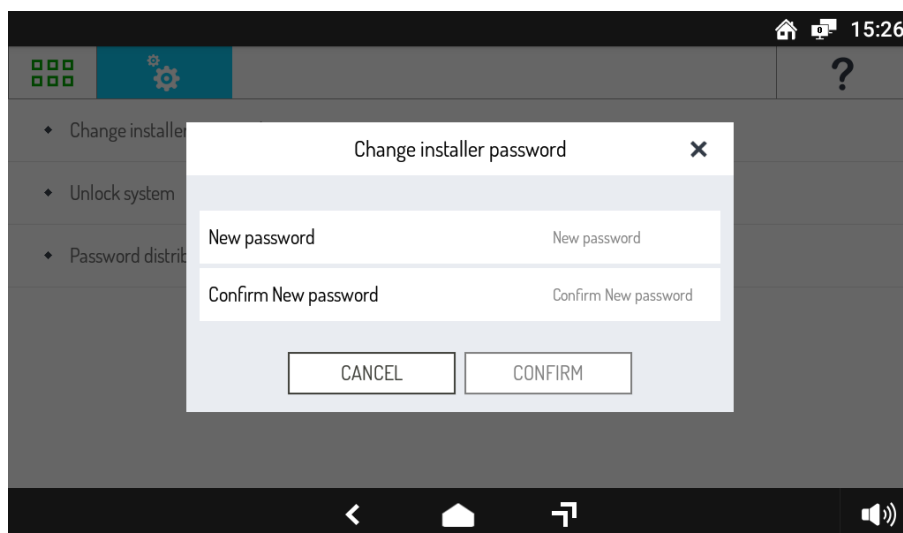


Figure 684: change installer password

Once the password has been entered and confirmed, it is necessary to wait for it to be distributed to all the devices in the system. The correct end of the distribution of the installer password is indicated by the green bar, as shown in the figure:

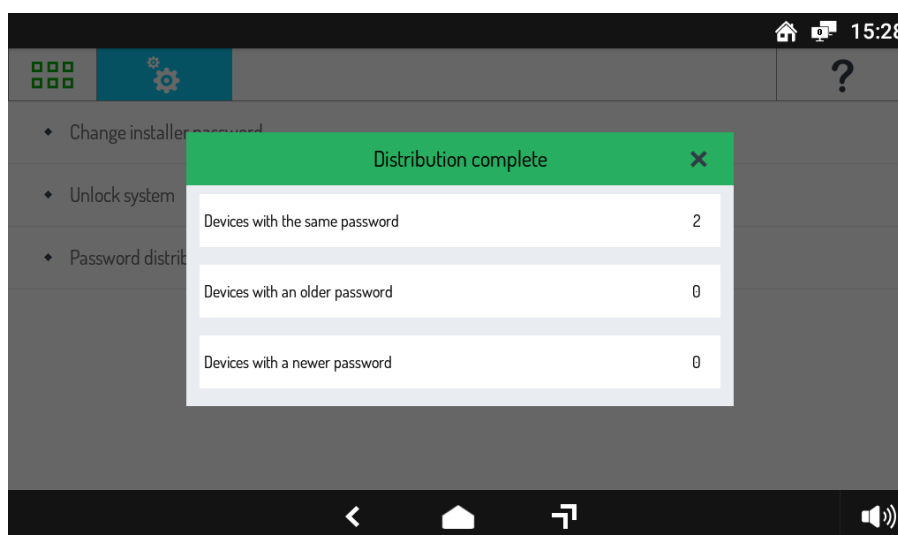



Figure 685: correct distribution of installer password

 If the system is locked, access to the configuration menu requires entering the administrator password.

#### 9.6.6 Export and import configuration to SD card

After distributing the configuration to the system, it is recommended to always make a copy of the project on file by exporting to SD card. To do this, in the *configuration menu* (“iPerCom configuration”), within the “System configuration” submenu, there is the item “Export configuration to SD card”, which allows saving the project and current configuration on SD card:

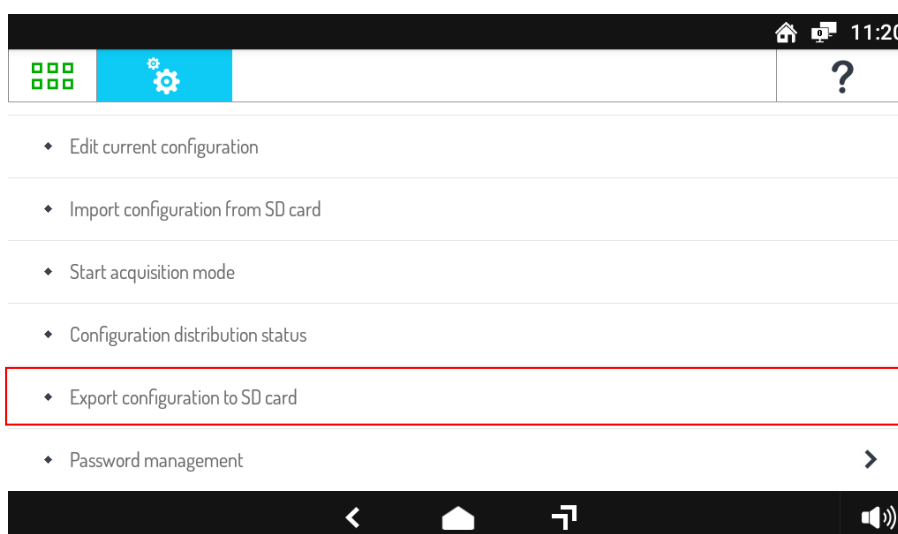


Figure 686: export configuration from SD card

Once the SD card has been inserted into the appropriate slot on the right side of the video door phone and the item in question has been selected, the following window appears:

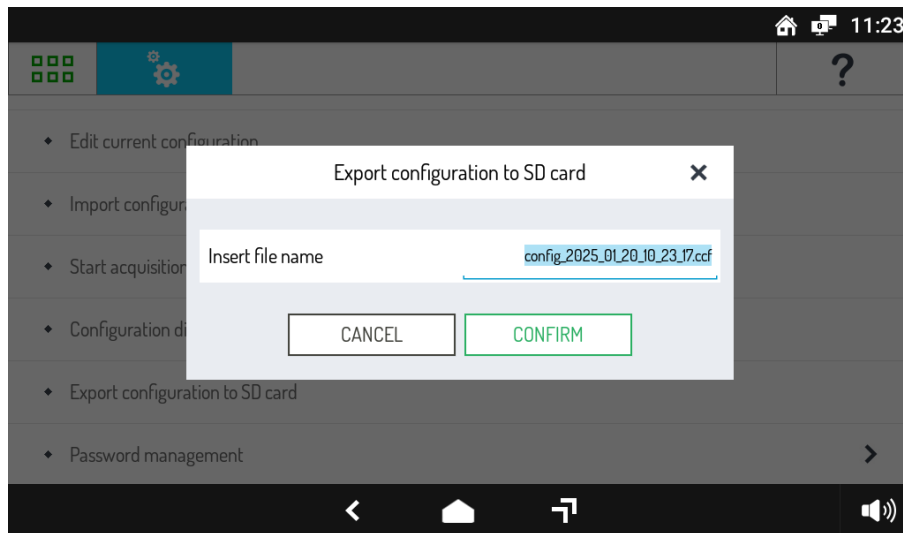


Figure 687: export configuration from SD card

It is necessary to assign a meaningful name to the file to be exported, then press the “CONFIRM” button to export to the SD card.

Similarly, the import operation takes place via the “Import configuration from SD card” item, present in the configuration menu (“IPerCom Configuration”) within the “System configuration” submenu:

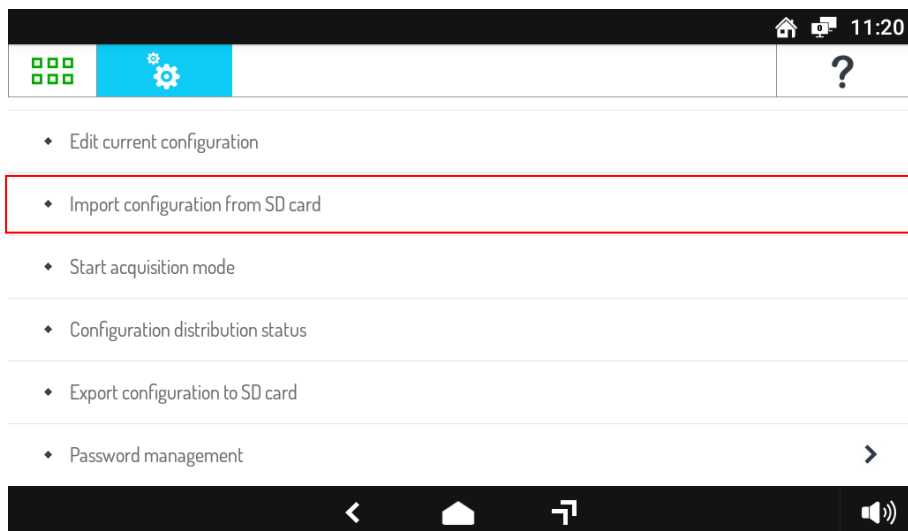


Figure 688: import configuration from SD card

After choosing the file to import, you are asked to enter the relative installer password.

The configuration thus imported can be associated with the system to which you are connected.

## 9.6.7 Changing the plant configuration after the first distribution

To change the configuration of a system after the first distribution of the configuration, you need to access the configuration menu from any *VOG<sup>7</sup>*, *Basic* or *MAX* video door phones connected to the system and configured. To do this, you need to press the settings button on the *Top Page*, then press the “*IPerCom configuration*” item:

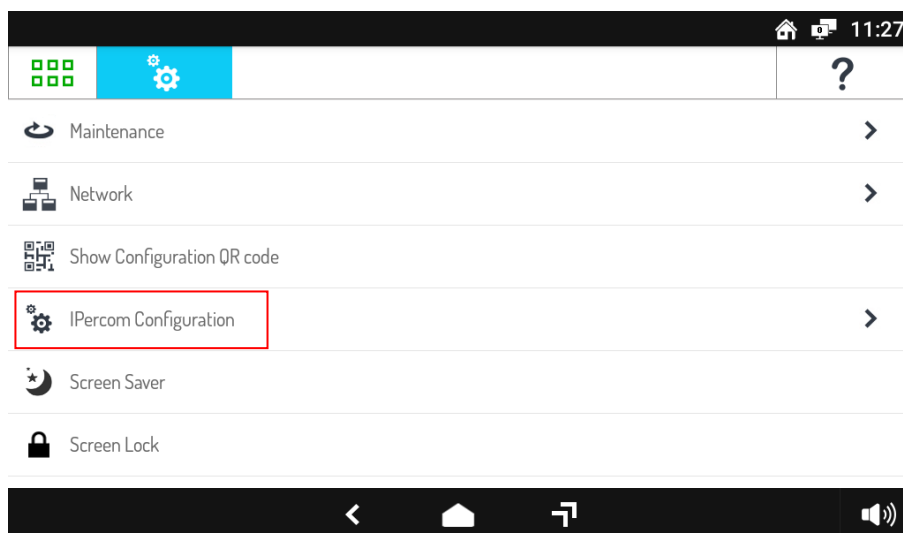


Figure 689: item to access the configuration of an IPerCom system

This is how you access the configuration menu:

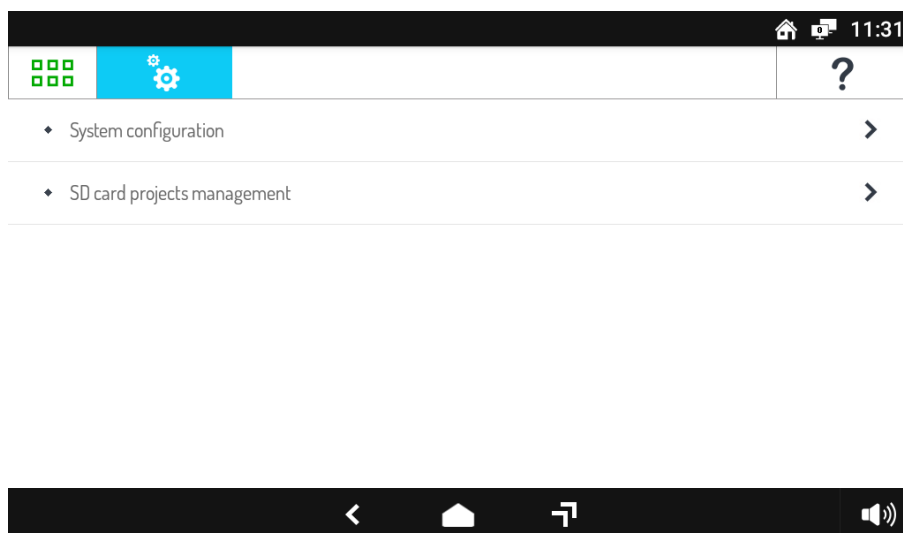


Figure 690: IPerCom system configuration



*If the system is locked, you must enter the administrator password to access the configuration menu.*

Then press on “System configuration” and finally on the “Edit current configuration” item:

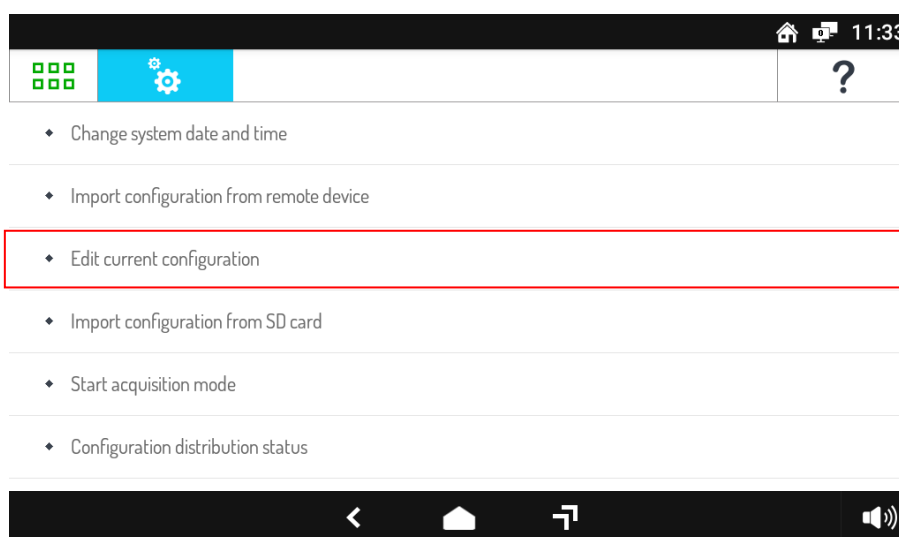


Figure 691: item to access the configurator after the first distribution

Once the installer password has been entered, the configurator opens in the “Topology” tab, as shown in the following figure:

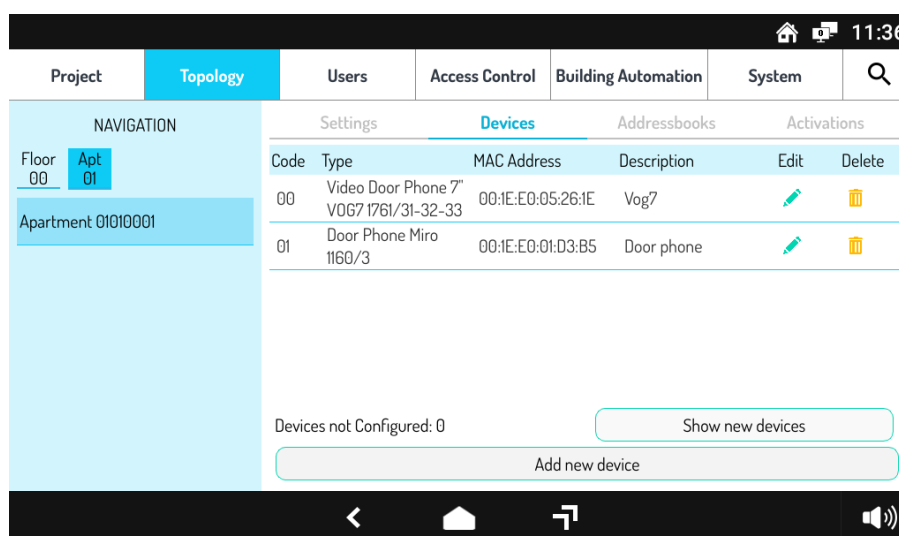


Figure 692: access to the configurator

It is then possible to modify the configuration and distribute it to the system as already seen previously.

## 9.6.8 Configuration distribution status

The “*Configuration distribution status*” item reports the status of the configuration distribution. If the distribution is complete, a screen like the one below is displayed:

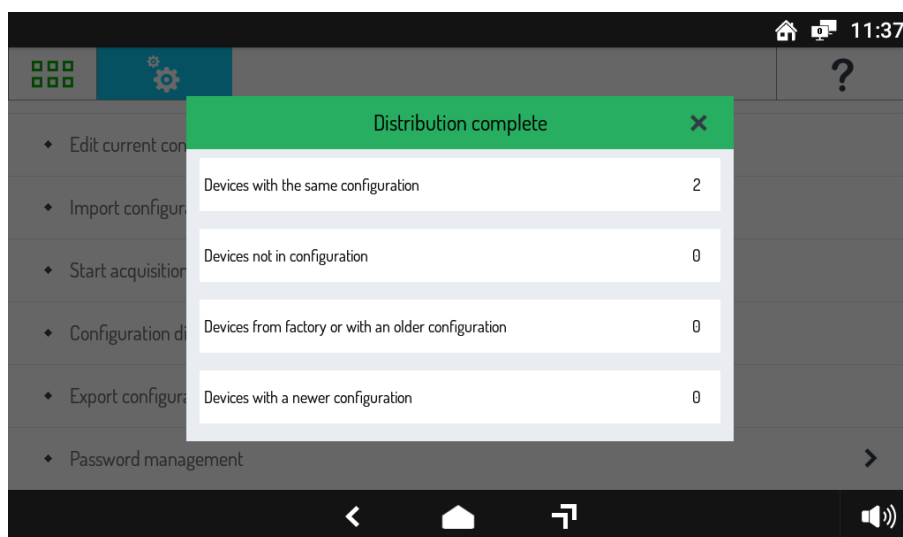


Figure 693: configuration distribution status

By pressing on the item “*Devices with the same configuration*”, a screen appears with the following information on the individual devices:

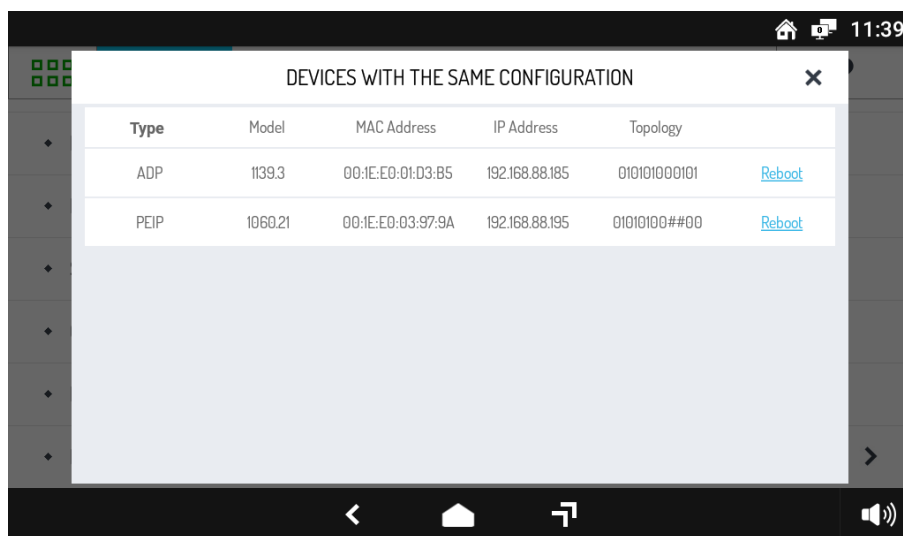


Figure 694: information about devices with the same configuration

The “*Reboot*” items allow you to restart the various devices.

The above screen is also displayed for devices not in configuration, devices with an old configuration or without and devices with a new configuration.

## 9.6.9 Change date and time of the system

This item allows you to change the system date and time but not the time zone as shown below:

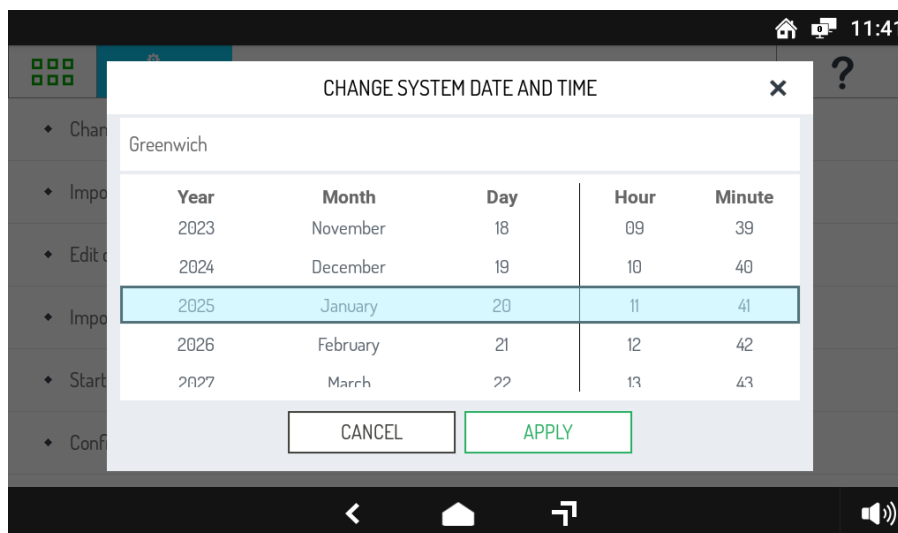


Figure 695: change date and time system

Once the date and time have been set, simply press the “*APPLY*” button to apply the date and time to the entire system. Any changes to the time zone must be made from the *configurator* from the “*System*” tab, then from the [Global Settings](#) section.

## 9.7 Project management on SD card

The *configurator* can also be opened as a project editor with the related configuration files, therefore not only to create or modify the current configuration of the system. The *configuration menu* has, in fact, the following two items:

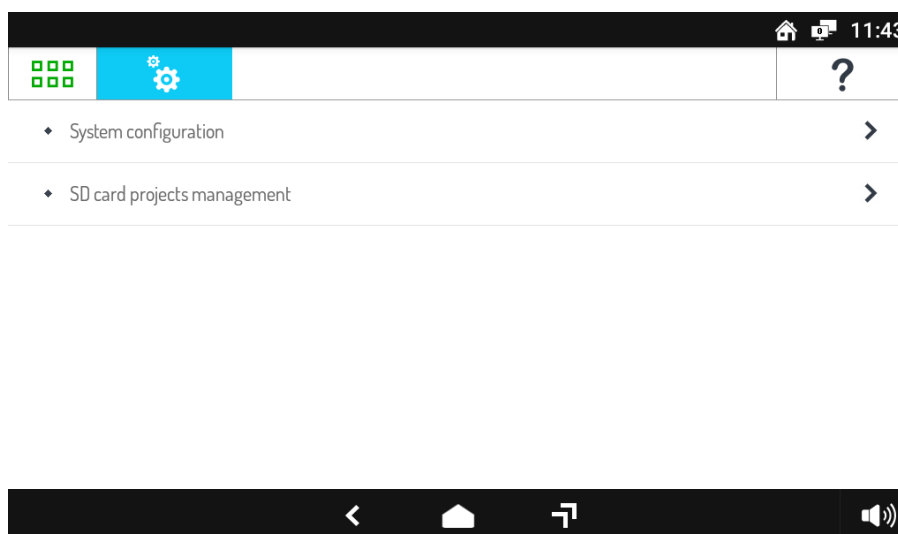


Figure 696: configuration menu items (“iPerCom Configuration”)

By pressing on the item “SD card projects management”, the following screen appears:

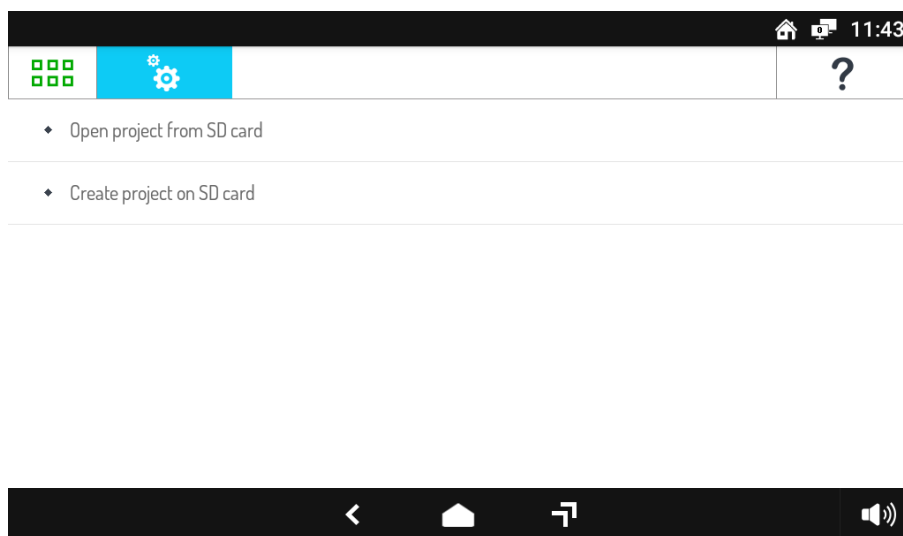


Figure 697: “SD card projects management” menu items

These items allow you to:

1. open (and possibly) modify and save projects from SD card;
2. create projects to save on SD card.

In the first case, a window will appear with a list of projects previously saved on the SD card:

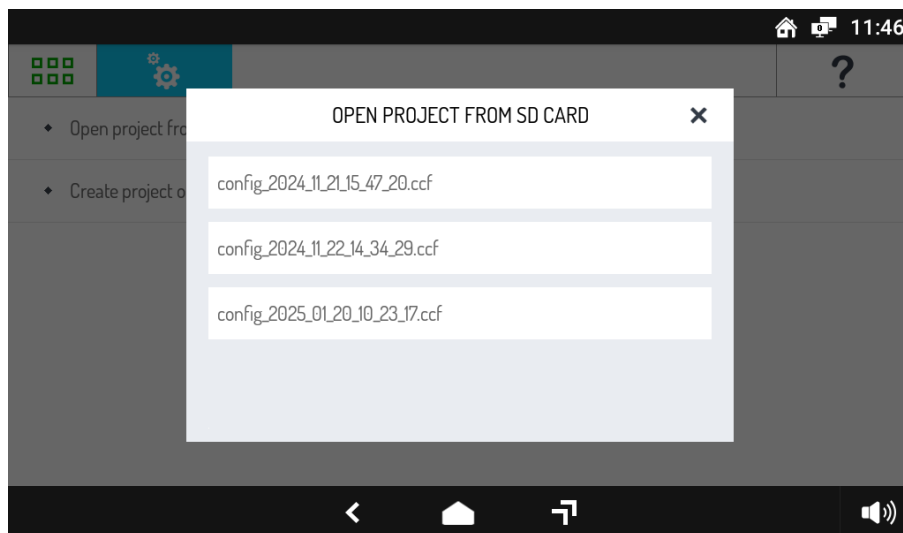


Figure 698: opening a configuration file from SD card

Selecting one of the projects, after entering the relative installer password, the *configurator* will open, showing the content of the selected configuration: it is possible to make changes to the configuration and save them.



If you open a project created with the IPerCom Installer Tools configurator (version 3.0.0 or higher), it is not possible to make any changes to the configuration except through the same configurator started by IPerCom Installer Tools, as shown by the following message:

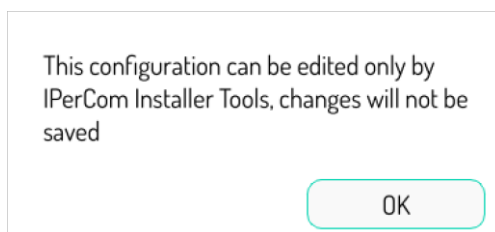


Figure 699: non-editable configuration

The “Create project on SD card” item, on the other hand, allows you to create a new project on SD card always relating to the only type of system allowed, that is “Villa Kit (one-household)”. The screen that opens, in fact, is shown below:

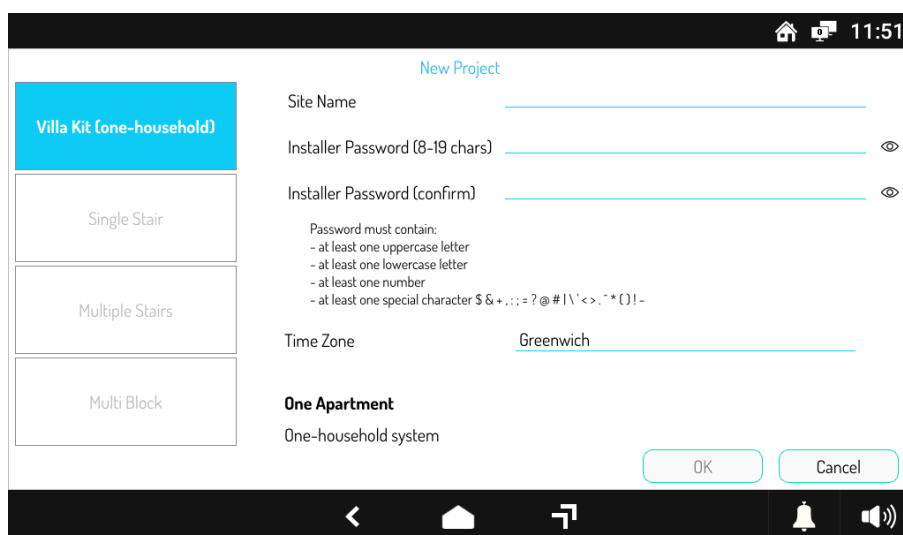


Figure 700: creating a new project via the configurator

After entering the site name and the installer password, pressing the “OK” button enters the *configurator* where you can make the required changes to the configuration and save it on SD card.

## 10 Devices/applications not aligned to the same IPerCom version (or software development platform UPTK)

In an IPerCom system, any misalignment between the firmware versions of the devices and/or the software versions of the applications is reported by:

- *IPerCom Installer Tools* application,
- *IPerCom Client* application,
- *Switchboard* application 1060/41 and *Switchboard* desktop 1060/42,
- *VOG<sup>7</sup>*, *VOG<sup>5+</sup>*, *VOG<sup>5</sup>*, *Basic* or *MAX* video door phones,

Misalignment simply means the presence in the system of devices and applications whose firmware/software versions correspond to different versions of IPerCom (among those officially released).

The misalignment report is made by comparing the firmware/software version of the devices/applications with its local firmware/software version. The misalignment report window does not refer to the IPerCom version but to the UPTK version of the devices/applications, with UPTK being the software development platform.

The following explains in detail how the misalignment is reported for the *IPerCom Installer Tools* application and for video door phones, referring to the *VOG<sup>7</sup>* video door phone.

For the *IPerCom Client* application, operation is like that of video door phones. For the *Switchboard* application and for the *Switchboard* desktop device, refer to the relevant booklets available on the website [www.urmet.com](http://www.urmet.com).

### 10.1 Misalignment report by means of *IPerCom Installer Tools*

The report is made after opening a project and connecting to the relevant system.

The most common cases in which misalignment can occur are reported:

1. with a system aligned (with any software applications) one or more devices are connected and these devices are not updated to the same IPerCom version as the system and are not present in the system configuration;
2. with a system aligned (with any software applications) one or more devices are connected and these devices are not updated to the same IPerCom version as the system and are present in the system configuration;
3. *Switchboard* and/or *IPerCom Client* applications present in the system configuration have not been updated to the latest IPerCom version present on the system;
4. version 3.3.0 (or higher) of *IPerCom Installer Tools* does not match the IPerCom version on the system;
5. the 3.3.0 IPerCom version detected on the system is no longer the latest officially released.

What happens in the three cases above is reported in detail.

## CASE 1

The misalignment is reported by *IPerCom Installer Tools* through the dialog box below:

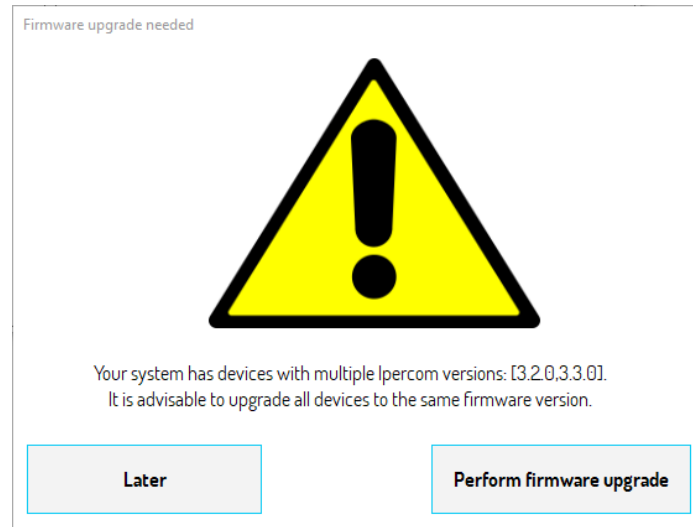


Figure 701: version mismatch reported by IPerCom Installer Tools

In this use case there are two ways to proceed:

- perform the update later and continue working on the project and system: this choice corresponds to the button “*Later*”;
- update the system to the latest version of IPerCom (in this case version 3.3.0): this choice corresponds to the “*Perform firmware upgrade*” button.

The button “*Perform firmware upgrade*” starts the upgrade of the system as already explained in paragraph [Basic steps to update your system](#).

The “*Later*” button displays a second dialog box:

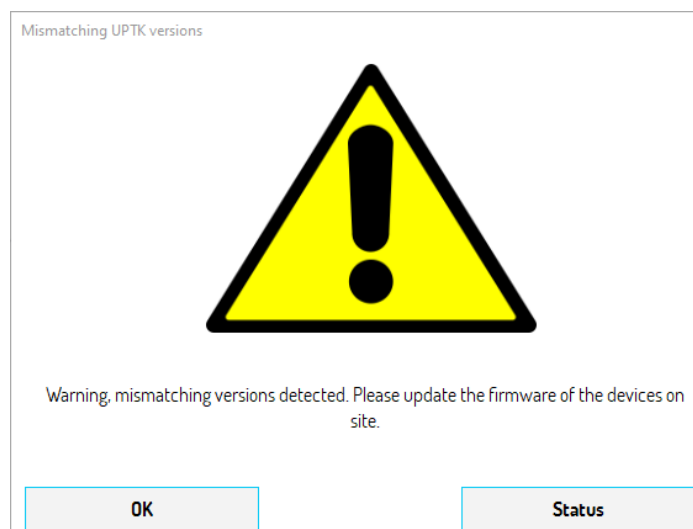


Figure 702: version mismatch reported by IPerCom Installer Tools

By pressing the “Status” button, the device, or devices whose UPTK version (for example 9.62) is not aligned with that of *IPerCom Installer Tools* (for example 9.86) are displayed:

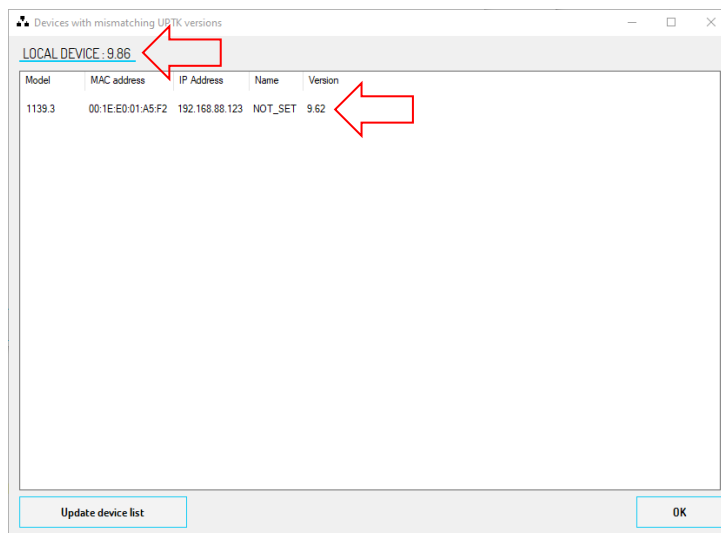


Figure 703: non-aligned device list

By pressing the “OK” button in [Figure 703](#) the dialog box disappears and you can continue to use *IPerCom Installer Tools* in all its features.



The dialog box reported in [Figure 701](#) is shown starting from 3.3.0 *IPerCom Installer Tool* version.

## CASE 2

The misalignment is reported by *IPerCom Installer Tools* through the dialog box below:

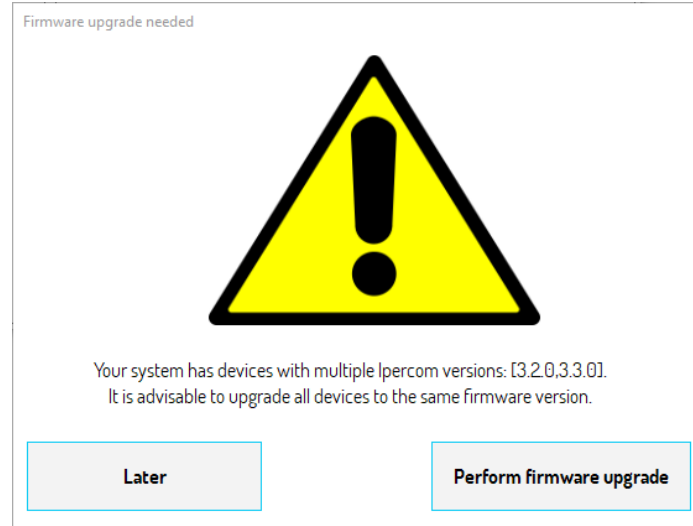


Figure 704: version mismatch reported by IPerCom Installer Tools

In this use case there are two ways to proceed:

- perform the update later and continue working on the project and system: this choice corresponds to the button “*Later*”;
- update the system to the latest version of IPerCom (in this case version 3.3.0): this choice corresponds to the “*Perform firmware upgrade*” button.

The button “*Perform firmware upgrade*” starts the upgrade of the system as already explained in paragraph [Basic steps to update your system](#).

The “*Later*” button displays the same dialog box as already seen in the first case.

By pressing the “*Status*” button, the device, or devices whose UPTK version is not aligned with that of *IPerCom Installer Tools* are displayed, in the same way as written in the previous case.

By pressing the “*OK*” button, the dialog box disappears and you can continue using *IPerCom Installer Tools* in all its features.



The dialog box reported in [Figure 704](#) is shown starting from 3.3.0 IPerCom Installer Tool version.

### CASE 3

The misalignment is reported by *IPerCom Installer Tools* in the same way as described in the previous points. For example, if the *Switchboard* application (running) has not been updated to the latest IPerCom version present on the system, after connecting to the system itself, the *IPerCom Installer Tools* application displays the following dialog box:

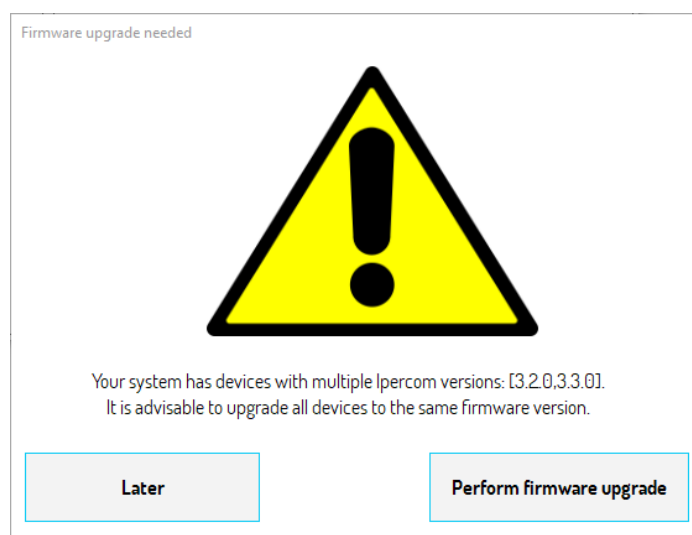


Figure 705: version mismatch reported by IPerCom Installer Tools

Even in this case the procedures are the same as those reported in the previous cases.

The “*Later*” button displays the same dialog box as already seen in the first case.

By pressing the “*OK*” button the dialog box disappears and you can continue using *IPerCom Installer Tools* in all its features.

By pressing the “*Status*” button, only the *Switchboard* application whose UPTK version is not aligned with that of the system is displayed:

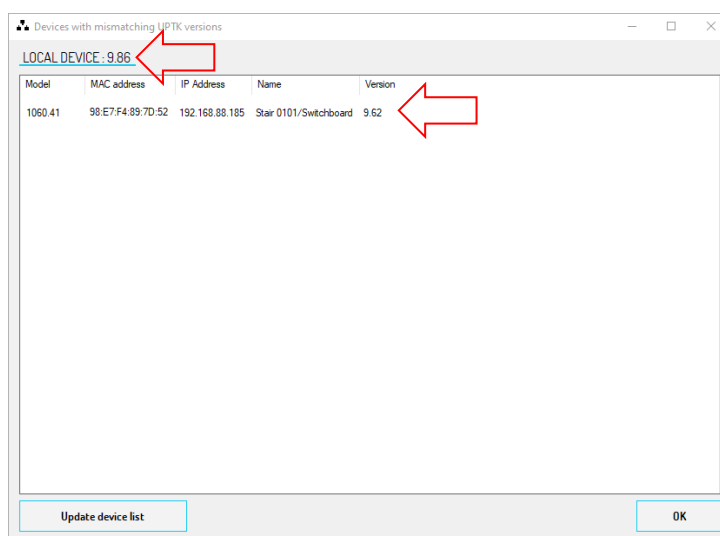


Figure 706: Switchboard application with misaligned UPTK



*The Switchboard application displays a similar window with the list of system devices not aligned with its UPTK version (for further details see the Switchboard installation and use manual downloadable from the website [www.urmet.com](http://www.urmet.com)).*

#### CASE 4

The misalignment is reported by *IPerCom Installer Tools* through the dialog box below:

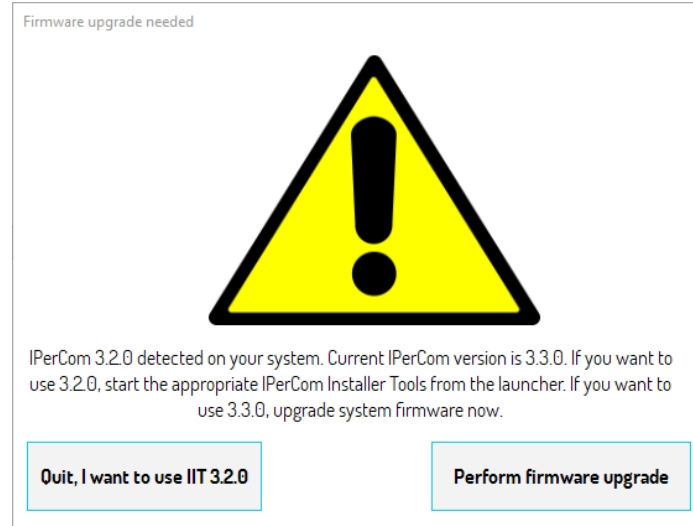


Figure 707: mismatch between *IPerCom Installer Tools* and *IPerCom* version on the system

The above dialog box indicates the following:

- version 3.3.0 of *IPerCom Installer Tools* has been started from the “launcher”;
- a project has been opened and then the relative system has been connected via the “Connect to site” button;
- *IPerCom Installer Tools* has detected an *IPerCom* version 3.2.0 on the system, therefore there is a misalignment between the *IPerCom* version and that of *IPerCom Installer Tools*.

In this use case there are two ways to proceed, as highlighted in [Figure 707](#):

- open the version of *IPerCom Installer Tools* aligned with the *IPerCom* version present on the system (in this case from the “launcher” select the 3.2.0 version of *IPerCom Installer Tools*): this choice corresponds to the button “Quit, I want to use IIT 3.2.0”;
- update the system to the version of *IPerCom Installer Tools* launched by the “launcher” (in this case the 3.3.0 version): this choice corresponds to the button “Perform firmware upgrade”.

The button “Perform firmware upgrade” starts the upgrade of the system as already explained in paragraph [Basic steps to update your system](#).



The dialog box reported in [Figure 707](#) is shown starting from 3.3.0 *IPerCom Installer Tool* version.

## CASE 5

The misalignment is reported by *IPerCom Installer Tools* through the dialog box below:

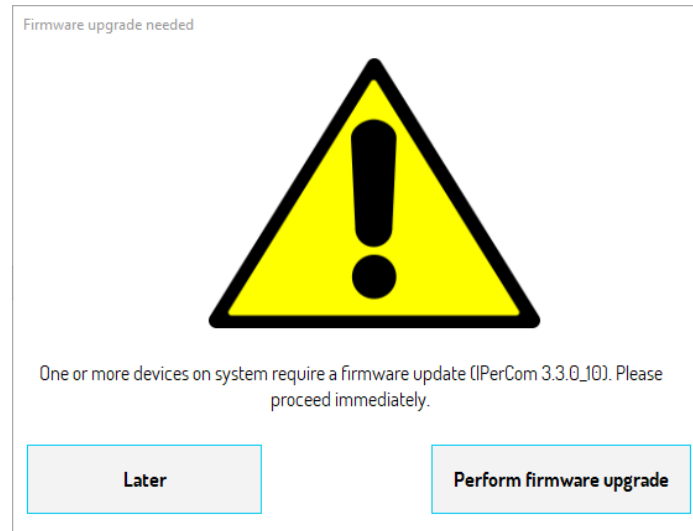


Figure 708: 3.3.0 IPerCom version detected is no longer the latest officially released

The above dialog box indicates the following:

- version 3.3.0 of *IPerCom Installer Tools* has been started from the “launcher”;
- a project has been opened and then the relative system has been connected via the “Connect to site” button;
- *IPerCom Installer Tools* has detected a version of IPerCom 3.3.0 on your system, which is not the officially released version.

**In this case, it is strongly recommended to update the system to the latest officially released version via the button “Perform firmware upgrade”.**

According to what is written above, it is therefore advisable to:

- add new devices to a system only after having updated them to the correct IPerCom version;
- always update the *Switchboard* and *IPerCom Client* applications when a system has been updated to a more recent IPerCom version.



The *Switchboard* and *IPerCom Client* applications can also be updated by downloading the relevant executable files from the [www.urmet.com](http://www.urmet.com) website.

If the misaligned devices are connected to the system or if the misaligned applications are running on the system, the update can be performed in the two ways listed below:

- via the *IPerCom Installer Tools* application;
- via *Server 1060/1* present on the system and configured with the “*Automatic update by Server*” option enabled (the *Server* will also take care of updating the *Switchboard* and *IPerCom Client* applications).

In both cases, after updating the misaligned devices/applications to the correct IPerCom version, the screen on *IPerCom Installer Tools* that notifies the misalignment disappears automatically.

If the non-aligned devices are disconnected from the system, the next time *IPerCom Installer Tools* is restarted the misalignment message is no longer displayed in the following cases:

- system without *Server 1060/1* and non-aligned devices not in configuration;
- system without *Server 1060/1* and non-aligned devices in configuration.

The same result is obtained by pressing the “*Update device list*” button shown in [Figure 703](#): this simply restarts *IPerCom Installer Tools* and the misalignment message is no longer displayed.

If there is a *Server 1060/1* in the system and the non-aligned devices are or are not in configuration, the dialog box indicating the presence of non-aligned devices is displayed each time *IPerCom Installer Tools* is started, even if these have been disconnected from the system.

In this case, after pressing the “Status” button, simply press the “Update device list” button, as shown below:

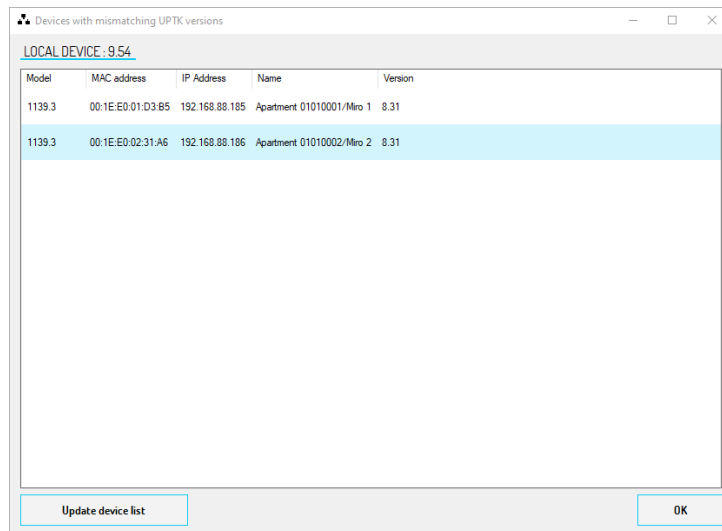


Figure 709: button “Update device list”

The following message is displayed requesting to restart both *iPerCom Installer Tools* and the system:

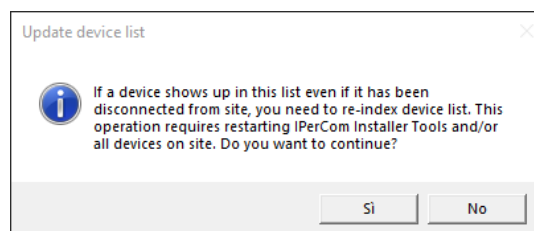


Figure 710: system restart request

By pressing “Yes”, all the devices in the system are restarted and at the end of the operation the following message is displayed:

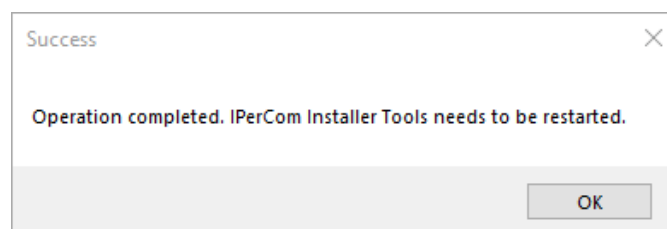


Figure 711: iPerCom Installer Tools restart request

This way, at the next start, *iPerCom Installer Tools* will not show any message about the presence of misaligned devices/software applications.



*If the misaligned devices are in configuration and are disconnected from the system, the misalignment message generated by IPerCom Installer Tools disappears automatically within 30 minutes (in systems with and without Server 1060/1).*



*If the misaligned devices are not in configuration and are disconnected from the system, the misalignment message generated by IPerCom Installer Tools does not disappear automatically (in systems with and without Server 1060/1).*

### 10.1.1 IPerCom Installer Tools application not aligned to the same IPerCom version or software development platform (UPTK) of the plant

If a PC with a version of *IPerCom Installer Tools* that is not aligned with the IPerCom version of the system is connected to a regularly functioning system, as soon as you connect to the system *IPerCom Installer Tools* will signal the misalignment via the dialogue box shown below:

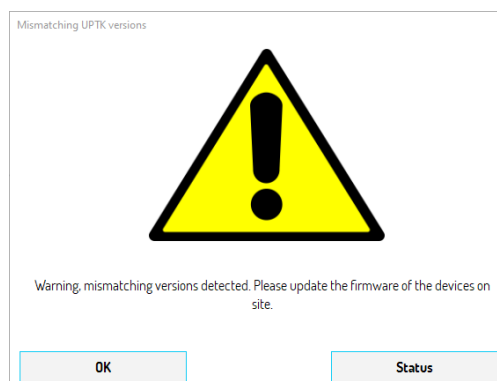


Figure 712: UPTK version misalignment report between system and IPerCom Installer Tools

By pressing the “Status” button, the following screen is displayed:

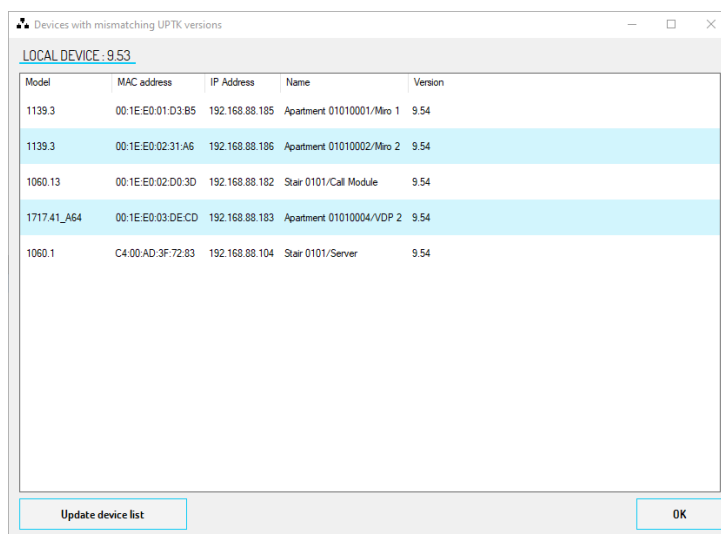


Figure 713: IPerCom Installer Tools not aligned with the rest of the installation

You can see that the local version of UPTK (that of the *IPerCom Installer Tools* application) is not the same as the one in the system: in this situation it is necessary to update *IPerCom Installer Tools* to the correct version. The various officially released versions of *IPerCom Installer Tools* are available for download on the website [www.urmet.com](http://www.urmet.com).

## 10.2 Misalignment reporting by the VOG<sup>7</sup> video door phones present in the system

The most common misalignment use cases can occur in the following 3 ways:

1. with an aligned system (with any software applications) one or more devices are connected and these devices are not updated to the same IPerCom version as the system and **are not present** in the system configuration;
2. with an aligned system (with any software applications) one or more devices are connected and these devices are not updated to the same IPerCom version as the system and **are present** in the system configuration;
3. the *IPerCom Client* and/or *Switchboard* applications present in the system configuration have not been updated to the latest IPerCom version present on the system.

What happens in the three cases above is reported in detail.

## CASE 1

The misalignment **is not reported** by the configured video door phones already present on the system: this is to avoid compromising the operation of the system itself. If the connected device, not updated to the same IPerCom version as the system, is a video video door phone, this reports its misalignment with respect to the rest of the system, as shown below:



Figure 714: list of devices whose UPTK version is not aligned with the UPTK version of the video door phone not in configuration

By pressing the “STATUS” button, the list of devices and/or software applications of the system is displayed whose IPerCom version (9.55) is not aligned with that of the local device just connected (9.22):

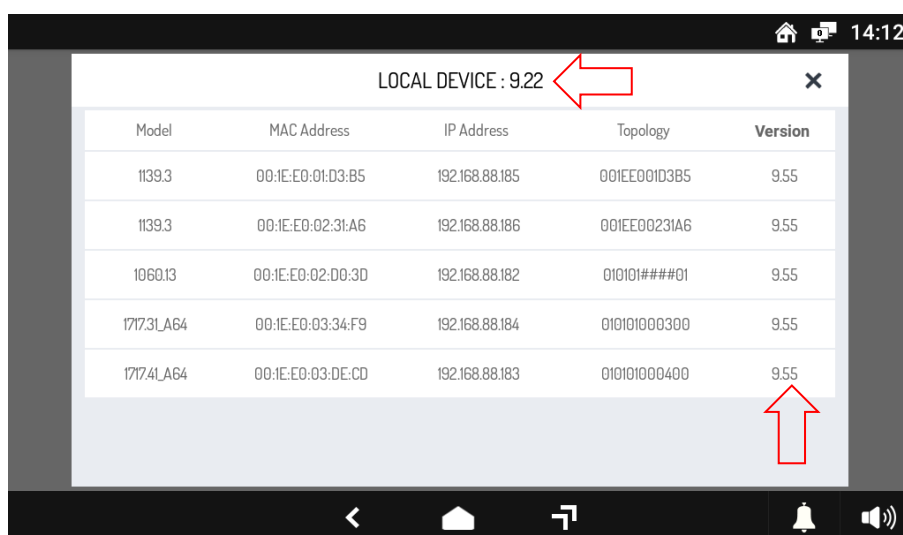


Figure 715: list of devices whose UPTK version is not aligned with the UPTK version of the video door phone



*The list above can list a maximum of 10 devices.*



*The misalignment signal shown in [Figure 714](#) appears after a video door phone restart too.*



*In server-managed systems only Server 1060/1 is shown in the list in [Figure 715](#).*



*By pressing the “OK” button in [Figure 714](#), the misalignment warning temporarily disappears and appears again immediately after or after a device restart or after distributing the configuration from IPerCom Installer Tools. In any case, it is necessary to update the video door phone to the IPerCom version of the system.*



*The above also applies to MAX and Basic video door phones; the VOG<sup>5</sup> 1761/6 and VOG<sup>5+</sup> 1761/15-16-18-19 video door phones, in the presence of devices with misaligned UPTK, display the misalignment signal without the “OK” and “STATUS” buttons.*

## CASE 2

The misalignment **is reported** by the configured video door phones already present on the system in the same way as seen in the previous point. For example, if only one non-aligned device is added and present in the system configuration, the video door phones already present on the system report the following report:



Figure 716: version misalignment reported by the video door phone in configuration already connected to the system

By pressing the “STATUS” button, only the newly added device is displayed (in the example a video door phone):

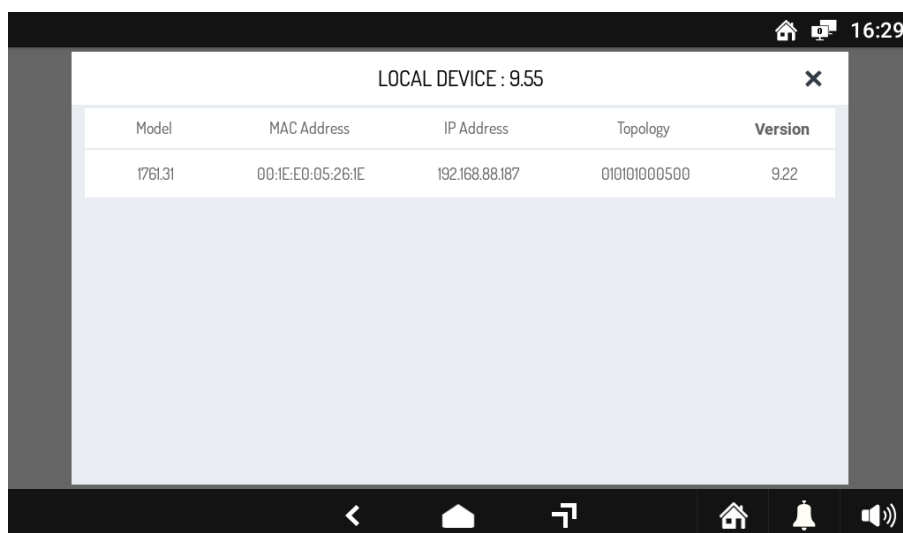


Figure 717: device in configuration whose UPTK version is not aligned with the UPTK version of the video door phone already connected to the system



The list above can list a maximum of 10 devices.

The IPerCom version of the newly connected device (9.22) is not aligned with that of the system (9.53). Also in this case, if the connected device not updated to the same IPerCom version as the system is a video door phone, this signals its misalignment with respect to the rest of the system, as shown in [Figure 715](#).



*In systems with Server 1060/1, if the non-updated device is a video door phone, the list shows all the system devices aligned to the same IPerCom version. After a system restart, this list may be incomplete or empty.*



*In systems without Server 1060/1, after a system restart, any misalignment of firmware/software versions is still displayed by the system's video door phones.*



*In systems with Server 1060/1, after a system restart, any misalignment of firmware/software versions is displayed only by video door phones that are not aligned with the rest of the system.*



*By disconnecting the devices in configuration and with misaligned firmware version from the system, the misalignment warning disappears from the other video door phones within 30 minutes.*



*By pressing the "OK" button on the video door phones (aligned or not), the misalignment warning disappears temporarily and reappears immediately afterwards or after a device restart or after distributing the configuration from IPerCom Installer Tools. In any case, it is necessary to update the video door phones to the IPerCom version of the system.*



*The above also applies to the MAX and Basic video door phones; the VOG<sup>5</sup> 1761/6 and VOG<sup>5+</sup> 1761/15-16-18-19 video door phones, in the presence of devices with misaligned UPTK, present the misalignment warning without the "OK" and "STATUS" buttons.*

### CASE 3

The misalignment is reported both by the software application and by the video door phones configured in the same ways described in the previous points. For example, if the *Switchboard* application has not been updated to the latest IPerCom version present on the system, after connecting to the system itself, the configured video door phones already present on the system report the following message:



Figure 718: version misalignment reported by video door phone

By pressing the “*STATUS*” button, only the *Switchboard* application whose UPTK version is not aligned with that of the system is displayed:

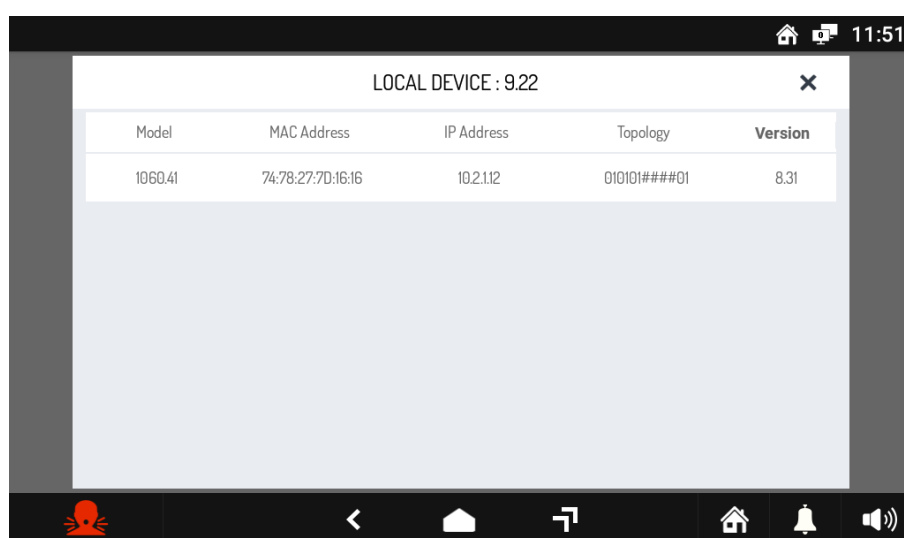


Figure 719: Switchboard application with misaligned UPTK

Similarly, the *Switchboard* application displays a similar window with the list of system devices that are not aligned with your UPTK version (for further details, see the *Switchboard* installation and use manual which can be downloaded from the website [www.urmet.com](http://www.urmet.com)).



*By closing the Switchboard application, the misalignment warning disappears from all the video door phones in the system.*



*The above also applies to the MAX and Basic video door phones; the VOG<sup>5</sup> 1761/6 and VOG<sup>5+</sup> 1761/15-16-18-19 video door phones, in the presence of devices with misaligned UPTK, present the misalignment warning without the “OK” and “STATUS” buttons.*

According to what is written above, it is therefore advisable to:

- add new devices to a system only after having updated them to the correct IPerCom version;
- always update the *Switchboard* and *IPerCom Client* applications when a system has been updated to a more recent IPerCom version.



*The Switchboard and IPerCom Client applications can also be updated by downloading the relevant executable files from the [www.urmet.com](http://www.urmet.com) website.*

If the misaligned devices are connected to the system or if the misaligned applications are running on the system, the update can be performed in the two ways listed below:

- via the *IPerCom Installer Tools* application;
- via *Server 1060/1* present on the system and configured with the “Automatic update by Server” option enabled (the *Server* will also take care of updating the *Switchboard* and *IPerCom Client* applications).

In both cases, after updating the misaligned devices/applications to the correct IPerCom version, the screen notifying the misalignment will automatically disappear.

## 11 Integration with the iPerTALK system

IPerCom allows the integration of the iPerTALK system PBXs Ref. 1375/10-11-12-13 and Ref. 1375/10A-11A-12A-13A. This integration is useful for the following video door phone features:

- Audio or audio-video calls from Ipercom calling stations to iPerTALK extensions;
- Audio or audio-video calls from Ipercom apartment stations to iPerTALK extensions;
- Audio or audio-video calls from iPerTALK extensions to Ipercom *Switchboard* and vice versa;
- Door and gate opening from iPerTALK extensions;
- Auto-on function from iPerTALK extensions to Ipercom calling stations;
- Auto-on function from Ipercom apartment stations to iPerTALK calling stations;
- Auto-on function from Ipercom apartment stations to iPerTALK RTSP cameras;
- Audio or audio-video calls from iPerTALK extensions to IPerCom apartments or single IPerCom apartment stations (any *CallMe* application associated with the apartment also rings);
- Sending activation commands from iPerTALK extensions to IPerCom *Relay Actuators* (only during conversation).

**Integration with the IPerCom 3.1.0 system is only supported by iPerTALK version 2.2.10 or higher.**

Two integration modes are possible:

- **with iPerTALK switch Ref. 1375/701** in presence of an internal network in the iPerTALK system and you want to separate the network where iPerTALK is installed from the IPerCom network;
- **without iPerTALK switch Ref. 1375/701** when using iPerTALK as gateway to Volp phones on the Ipercom network.

The 2 integration modes are described below.

## 11.1 Configuration and installation sequence for integration of the iPerTALK system into the IPerCom system with the switch Ref. 1375/701

The following configuration steps must be followed for proper operation.

### 11.1.1 iPerTALK system configuration

Configure the iPerTALK system consisting of PBX, router, switches, and phones.

1. Connect the PBX, router, switches, phones, and PC that you will use for configuration to the iPerTALK Ref. 1375/701 switch, as shown in the connection diagram below.

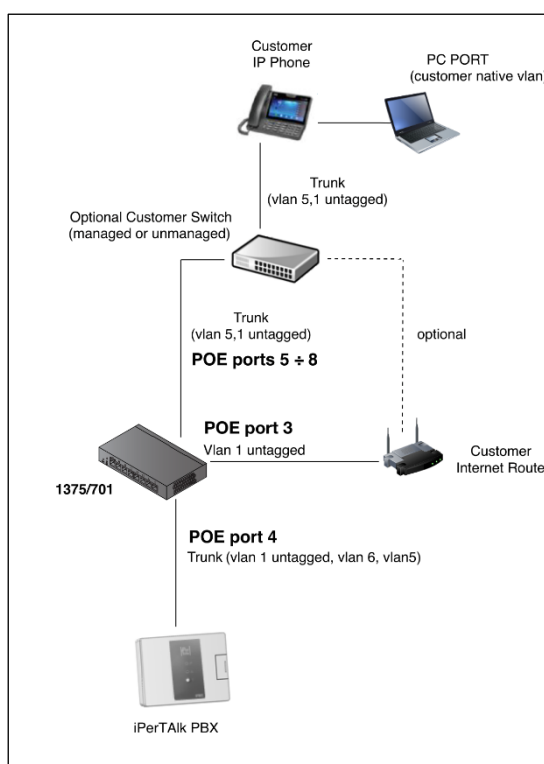


Figure 720: iPerTALK connection diagram with iPerTALK switch Ref. 1375/701

2. Wait until the PBX has booted up and the PC has received the IP from the router in the iPerTALK system.
3. On your PC open the web browser and type in the assigned IP address to PBX.
4. Proceed with phone acquisition and numbering assignment.
5. In the advanced system configurations add an IPerCom type line.
6. Create an inbound routing rule and add the IPerCom line as the destination trunk.
7. Enable the IPerCom network in the system network parameters.



Information relating to the specific configuration of the iPerTALK system integrated with the IPerCom system can be found in the [iPerTALK installation and configuration booklet](#).

### 11.1.2 IPerCom system configuration

1. Switch off the IPerCom system and the IPerTalk system.
2. Connect the iPerTalk switch Ref. 1375/701, the PBX, router, switches, and phones to the IPerCom network.



**Warning!** For a correct integration of the iPerTalk system with the IPerCom system, **exclusively** follow the instructions in the following connection diagram.

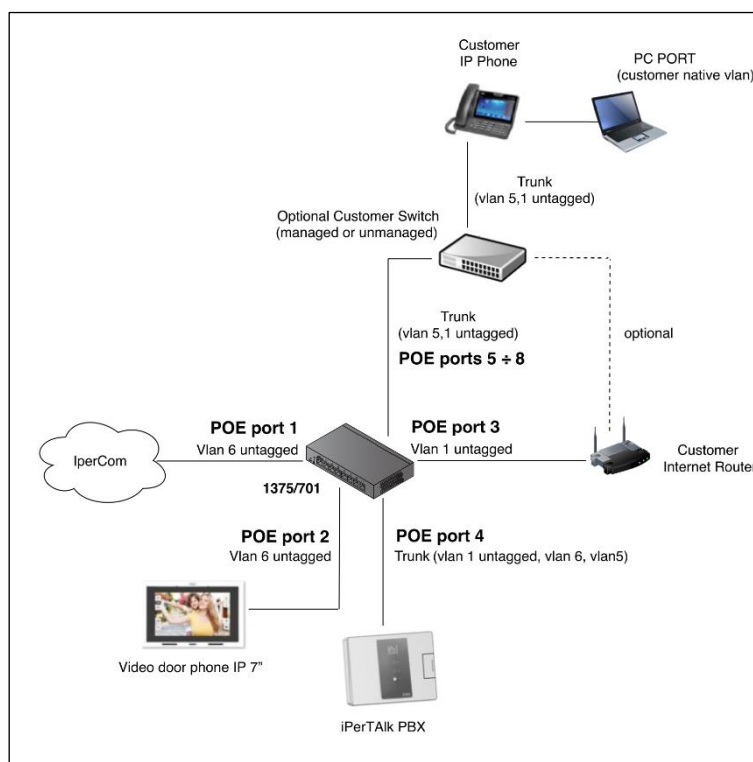


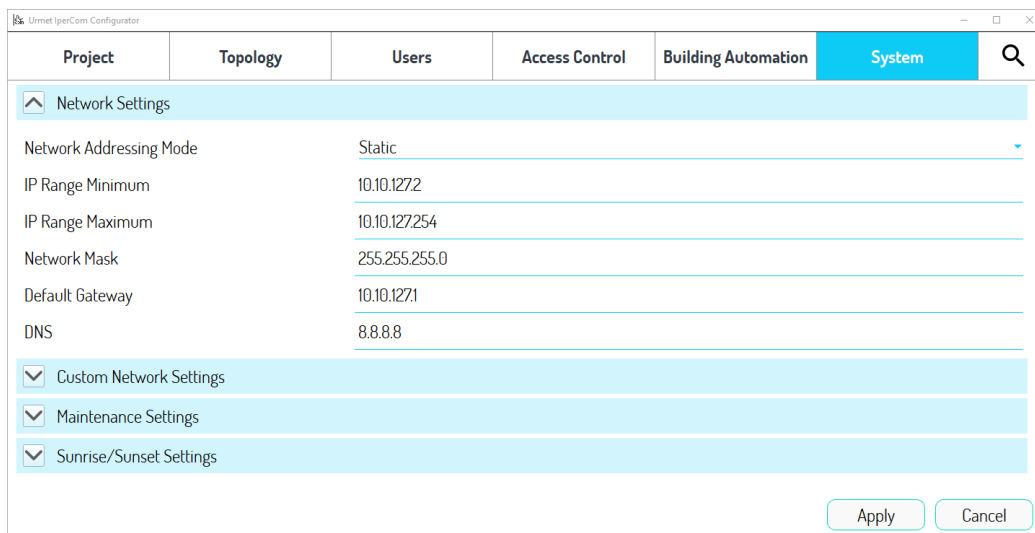
Figure 721: IPerCom connection diagram iPerTalk with iPerTalk switch Ref. 1375/701



**Warning!** In an apartment/floor with a Server iPerTalk V1 integrated with the IPerCom system, it is recommended to have an IPerCom apartment station so that all features of the system can be used.

3. Power the system up.
4. Create an IPerCom configuration, as described previously in this manual.

5. In the *configurator* select the "System" tab, then section "Network Settings", then choose as network addressing mode the item "Static", then set (for example) the following parameters:
  - a. "IP Range Minimum": 10.10.127.2
  - b. "IP Range Maximum": 10.10.127.254
  - c. "Network mask": 255.255.255.0
  - d. "Default Gateway": 10.10.127.1
  - e. "DNS": 8.8.8.8



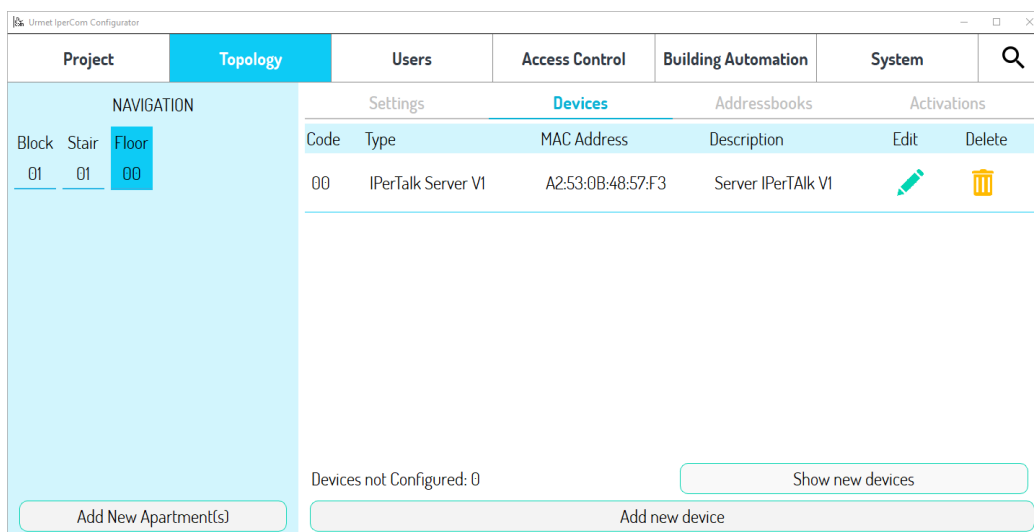
The screenshot shows the 'System' tab in the iPerCom Configurator. Under the 'Network Settings' section, the 'Network Addressing Mode' is set to 'Static'. The following parameters are configured:

Parameter	Value
IP Range Minimum	10.10.127.2
IP Range Maximum	10.10.127.254
Network Mask	255.255.255.0
Default Gateway	10.10.127.1
DNS	8.8.8.8



Below the network settings, there are three checked options: 'Custom Network Settings', 'Maintenance Settings', and 'Sunrise/Sunset Settings'. At the bottom right, there are 'Apply' and 'Cancel' buttons.

Figure 722: example of iPerCom network setup

6. In the "Topology" tab create the topological structure of the system and identify a topological node for *Server iPerTalk V1* (for example "Block 01" --> "Stair 01" --> "Floor 01").
7. In the selected node add the *Server iPerTalk V1*.



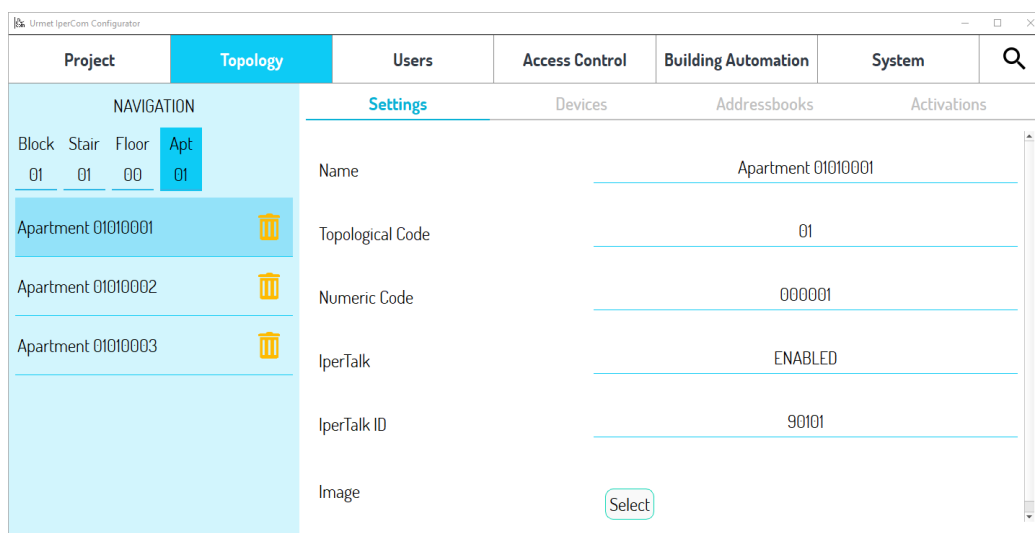
The screenshot shows the 'Topology' tab in the iPerCom Configurator. On the left, there is a 'NAVIGATION' panel with a tree structure: 'Block 01' --> 'Stair 01' --> 'Floor 01'. The 'Floor 01' node is selected. Below the navigation panel is a button 'Add New Apartment(s)'. On the right, there is a table with columns: 'Code', 'Type', 'MAC Address', 'Description', 'Edit', and 'Delete'. The table contains one entry:

Code	Type	MAC Address	Description	Edit	Delete
00	iPerTalk Server V1	A2:53:0B:48:57:F3	Server iPerTalk V1		

Below the table, there is a status bar that says 'Devices not Configured: 0'. To the right of this status bar is a button 'Show new devices'. At the bottom, there is a button 'Add new device'.

Figure 723: add of the iPerTalk Server V1

8. Navigating in the apartments of “Floor 00” (in this case where the *Server iPerTalk V1* has been added), on the “*Settings*” tab enable “*iPerTalk*” item and enter the number to call (item “*iPerTalk ID*”) (for example 90101, 90102, 90103, ...). Enabling the “*iPerTalk*” item, the apartment is considered as an extension in the iPerTalk system. Depending on how the system is structured, it may be necessary to configure several apartments equal to the number of extensions to be called from the IPerCom system. All apartments configured as iPerTalk extensions will be displayed in the Ipercom device directory.



The screenshot shows the Umet IperCom Configurator interface. The top navigation bar includes tabs for Project, Topology (selected), Users, Access Control, Building Automation, and System, along with a search icon. The left sidebar has a NAVIGATION section with filters for Block (01), Stair (01), Floor (00), and Apt (01). Below these are three apartment entries: Apartment 01010001, Apartment 01010002, and Apartment 01010003, each with a trash icon. The main area is divided into four tabs: Settings (selected), Devices, Addressbooks, and Activations. The Settings tab displays the configuration for Apartment 01010001 with the following fields:

Name	Apartment 01010001
Topological Code	01
Numeric Code	000001
IperTalk	ENABLED
IperTalk ID	90101
Image	Select

Figure 724: iPerTalk ID configuration

9. Proceed with the configuration of the IPerCom calling stations and other IPerCom devices.

## 11.2 Configuration and installation sequence for integration of the iPerTalk system into the IPerCom system without the switch Ref. 1375/701

The following configuration steps must be followed for proper operation.

### 11.2.1 IPerCom system configuration

Configure the IPerCom system **without connecting the iPerTalk Server V1.**

1. Create an IPerCom configuration, as described previously in this manual.
2. In the *configurator* select the "System" tab, then section "Network Settings", then choose as network addressing mode the item "Static", then set (for example) the following parameters:
  - a. "IP Range Minimum": 10.10.127.2,
  - b. "IP Range Maximum": 10.10.127.254,
  - c. "Network mask": 255.255.255.0,
  - d. "Default Gateway": 10.10.127.1,
  - e. "DNS": 8.8.8.8
3. In the "Topology" tab create the topological structure of the system and identify a topological node for the *Server iPerTalk V1* (for example "Block 01" --> "Stair 01" --> "Floor 00").
4. In the selected node, add a *Server iPerTalk V1* by correctly setting the MAC address of the device (manually).

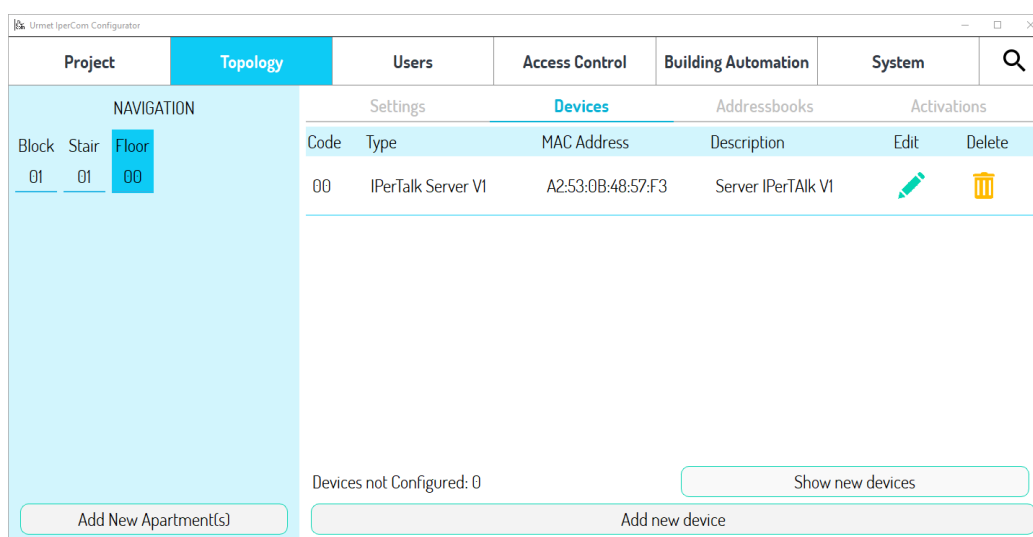
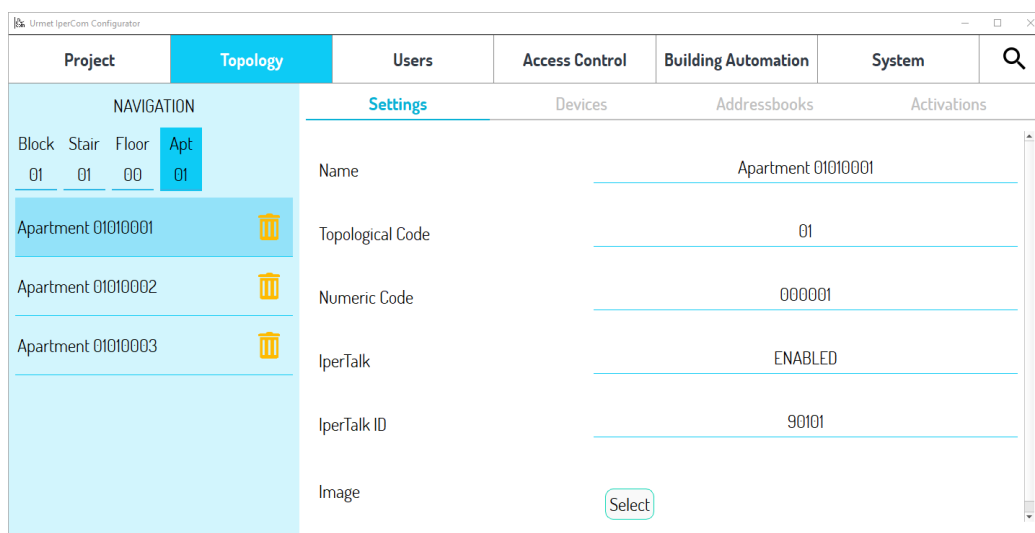


Figure 725: add of an iPerTalk Server

5. Navigating in the apartments of “Floor 00” (in this case where the *Server iPerTalk V1* has been added), on the “*Settings*” tab, enable “*iPerTalk*” item and enter the number to call (item “*iPerTalk ID*”) (for example 90101, 90102, 90103, ...). Enabling the “*iPerTalk*” item, the apartment is considered as an extension in the iPerTalk system. Depending on how the system is structured, it may be necessary to configure several apartments equal to the number of extensions to be called from the IPerCom system. All apartments configured as iPerTalk extensions will be displayed in the Ipercom device directory.



The screenshot shows the Umet IperCom Configurator interface. The top navigation bar includes tabs for Project, Topology (selected), Users, Access Control, Building Automation, and System, along with a search icon. The left sidebar has a NAVIGATION section with filters for Block (01), Stair (01), Floor (00), and Apt (01). Below these are three apartment entries: Apartment 01010001, Apartment 01010002, and Apartment 01010003, each with a trash icon. The main area is divided into four tabs: Settings (selected), Devices, Addressbooks, and Activations. The Settings tab displays the configuration for Apartment 01010001 with the following fields:

Field	Value
Name	Apartment 01010001
Topological Code	01
Numeric Code	000001
IperTalk	ENABLED
IperTalk ID	90101
Image	Select

Figure 726: iPerTalk ID configuration

6. Proceed with the configuration of the IPerCom calling stations and other IPerCom devices.

### 11.2.2 iPerTALK system configuration

1. Switch off the IPerCom system.
2. Connect the PBX and phones to the switch in the IPercom system.

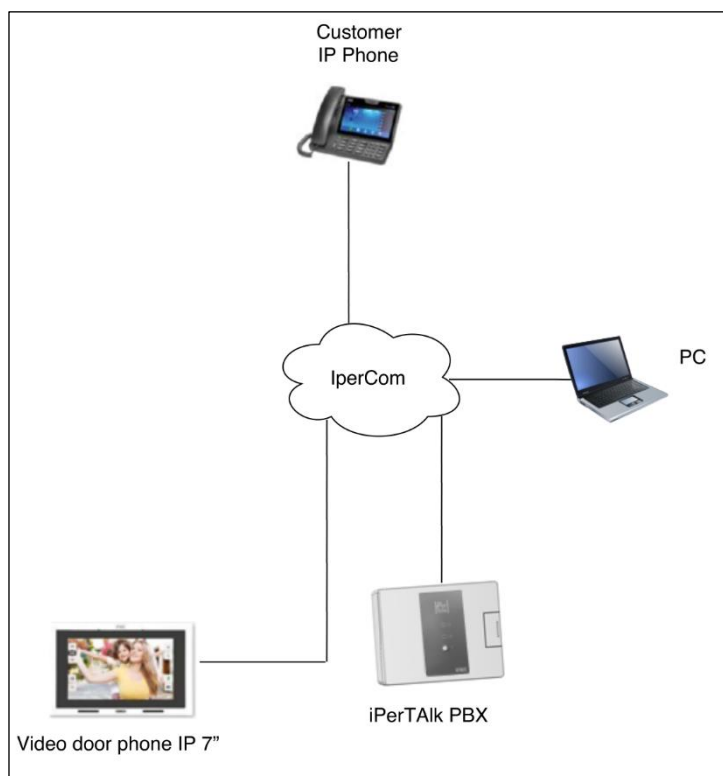


Figure 727: IPerCom connection diagram - iPerTALK without iPerTALK switch Ref. 1375/701

3. Power the system up.
4. Configure the iPerTALK system as follows.
5. Wait until the PBX has started and that the PC has received the IP if a DHCP server is present in the IPerCom system; otherwise, iPerTALK assigns IP address **192.168.56.245** to itself to allow it to be reached from the network.
6. On your PC open the web browser and type in the IP address of *Server iPerTALK V1*.
7. Acquire the phones and assign the numbering (as per IPerCom configuration, for example 90101, 90102, 90103, ...).
8. In the advanced system configurations add an IPerCom type line.
9. Create an inbound routing rule and add the IPerCom line as the destination trunk.
10. Disable the IPerCom network in the system network parameters.
11. Set in "static" mode the WAN configuration of iPerTALK with the IP address suggested by IPerCom.



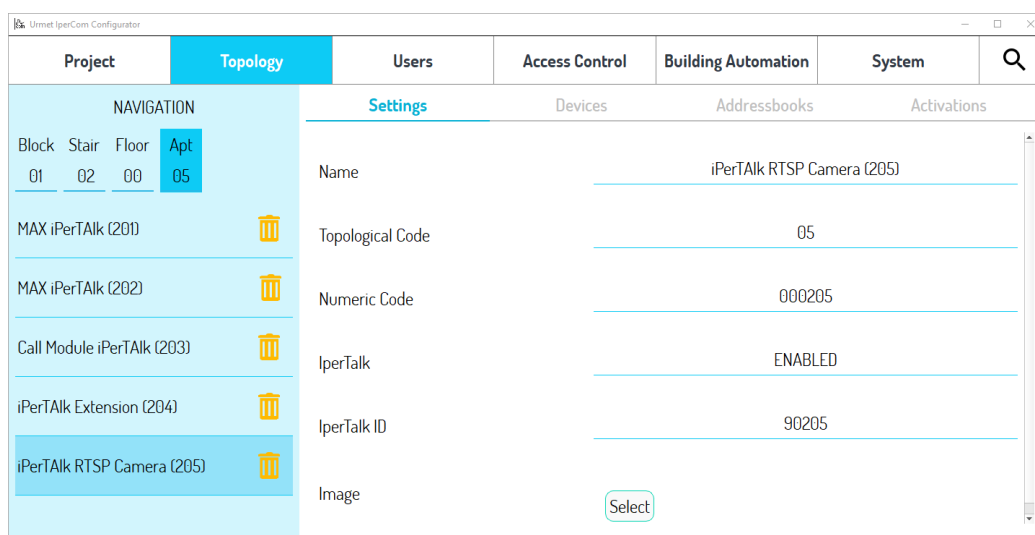
Information on the specific configurations of the iPerTALK system integrated with the IPerCom system are reported in the iPerTALK [Installation and configuration booklet](#).

### 11.3 Auto-on function on iPerTALK RTSP cameras from IPerCom video door phones

The integration of the IPerCom system with the iPerTALK system allows you to do the auto-on function on iPerTALK RTSP cameras from IPerCom video door phones.

After having correctly configured the IPerCom and iPerTALK systems (as described in the previous paragraphs), the steps below must be followed via the IPerCom *configurator* so that IPerCom video door phones can also perform the auto-on function on RTSP cameras of iPerTALK system.

- 1.A In one of the apartments on “Floor 00” (where, for example, the *iPerTALK Server* is placed), create an iPerTALK apartment, enabling the relevant setting, and enter the internal extension number of the RTSP camera to be called using the “*iPerTALK ID*” parameter:



Project	Topology	Users	Access Control	Building Automation	System	Q
NAVIGATION						
Block	Stair	Floor	Apt			
01	02	00	05			
MAX iPerTalk (201)				[Trash]		
MAX iPerTalk (202)				[Trash]		
Call Module iPerTalk (203)				[Trash]		
iPerTalk Extension (204)				[Trash]		
iPerTalk RTSP Camera (205)				[Trash]		
Settings						
Name		iPerTalk RTSP Camera (205)				
Topological Code		05				
Numeric Code		000205				
IperTalk		ENABLED				
IperTalk ID		90205				
Image		[Select]				

Figure 728: iPerTalk apartment with ID corresponding to an RTSP camera

2.A Press the “Contact” tab on the *configurator* and, in the MAX, VOG<sup>7</sup>, VOG<sup>5+</sup>, Basic e IPerCom Client video door phone directory, add a contact that has the iPerTALK apartment created in the previous step as recipient and in the “Visibility Filter” section select “Video door phone with address book (VDP)” item (for all the details on the contact creation procedure refer to chapter [Contacts](#)):

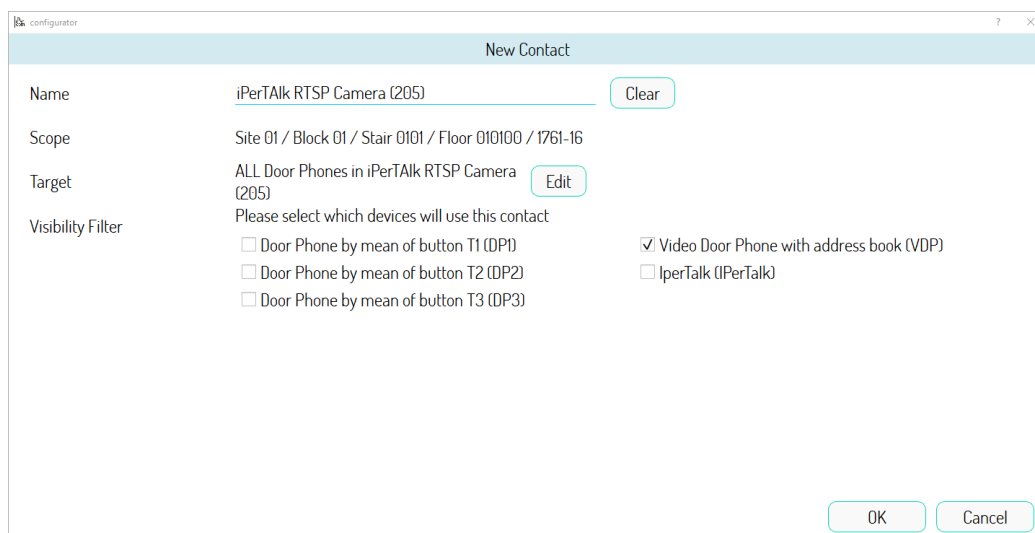


Figure 729: creation of a contact calling the iPerTALK apartment with RTSP camera in the apartment with video door phone 1761/16

2.B Press the “Contact” tab on the *configurator* and, in the VOG<sup>5</sup> video door phone directory, add a contact that has the iPerTALK apartment created in the previous step as recipient, and in the “Visibility Filter” section select the button with which to call the apartment, choosing among T1, T2 or T3 (for all the details on the contact creation procedure, refer to chap. [Contacts](#)):

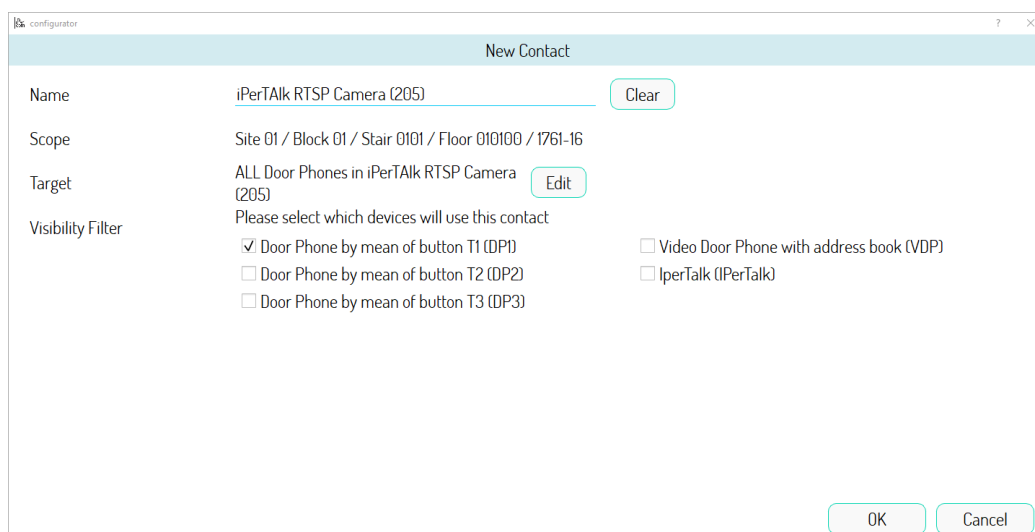


Figure 730: creation of a contact calling the iPerTALK apartment with RTSP camera in the apartment with video door phone 1761/6



*The contact with the iPerTALK apartment as recipient can also be a public contact created on the site, block, stair, or floor node. If the MAX, VOG<sup>7</sup>, VOG<sup>5+</sup>, VOG<sup>5</sup>, Basic and IPerCom Client video door phones are part of the respective topology group, both the “Video door phone with address book (VDP)” option and one of the T1, T2 or T3 buttons (or more than one) must be selected.*

### 3. Distribute the configuration on the Ipercom system.

In this way the MAX, VOG<sup>7</sup>, VOG<sup>5+</sup>, Basic e IPerCom Client video door phone directories will show the contact (with the same name given during the creation phase) that will enable the auto-on function on the RTSP camera. On the other hand, for the VOG<sup>5</sup> video door phone, the T1, T2 or T3 keys will enable the same feature. In both cases the contact must be called as if making an intercom call.

## 12 Restoring the factory settings

If devices are removed from the system or you want to restore the factory settings, it is necessary to make a restore to the factory settings, or easier factory reset.

### 12.1 Factory reset of MAX, VOG<sup>7</sup>, Basic video door phone and IPerCom Client app

To perform a factory reset, you must first access the settings screen on the *Top Page*:

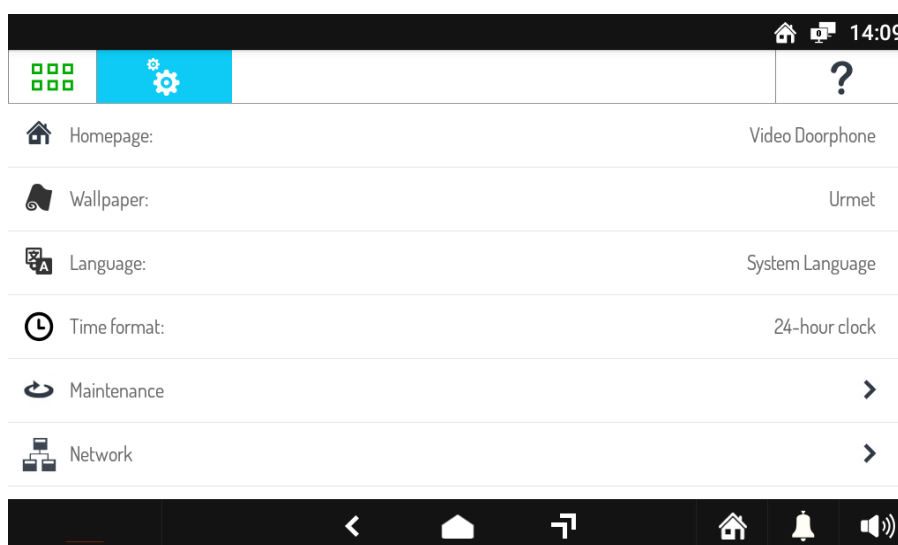



Figure 731: Top Page settings menu

Select the “Maintenance” item, then “Factory Reset” item: the video door phone starts the factory reset procedure and restarts.



After a factory reset, if the device is connected to a router with a DHCP server and is not configured, the time zone may be different from that expected.



The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).

## 12.2 Factory reset of video door phone VOG<sup>5+</sup>

To perform a *factory reset* of the VOG<sup>5+</sup> video door phone, access the Homepage by pressing the key twice. The display shows the following screen:

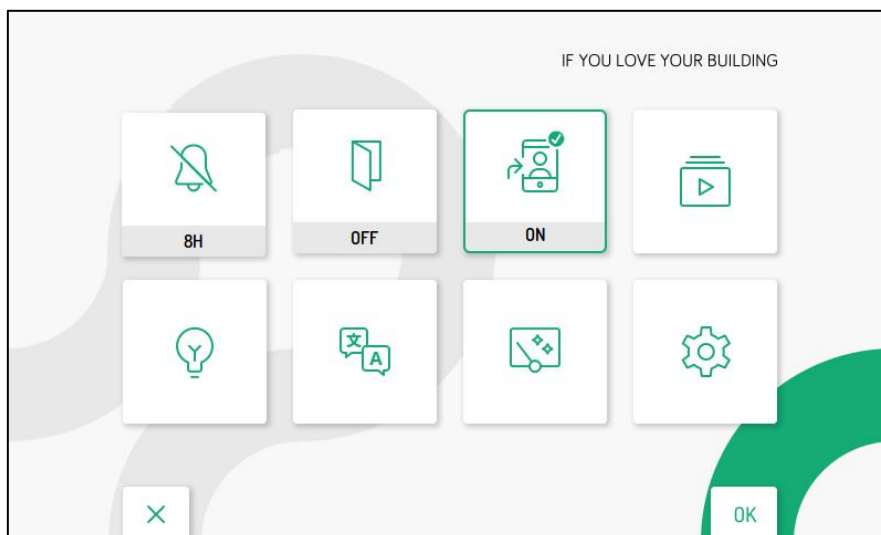


Figure 732: Homepage

Use keys , , , and to select the button and press the key (OK). The following screen is displayed:

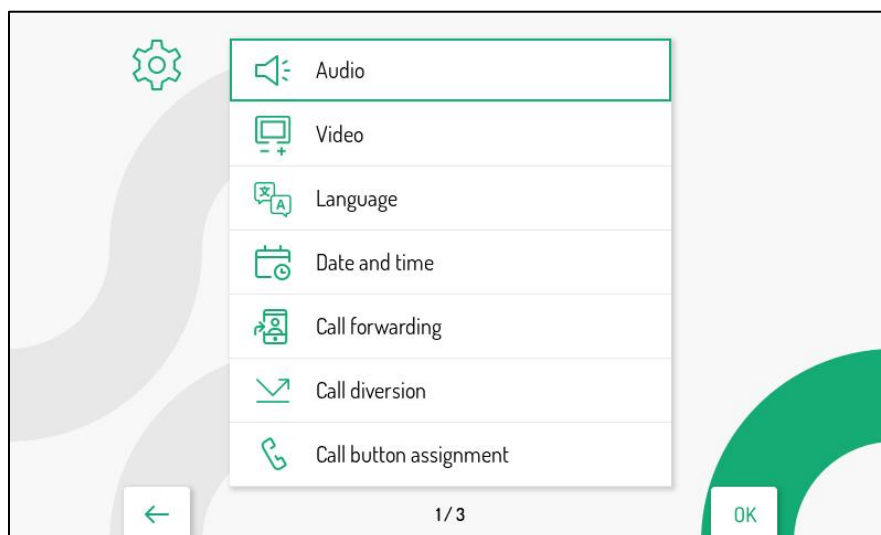


Figure 733: configuration menu

Use the keys and to select “Reset factory settings”, then press the key (OK). The following screen is displayed:

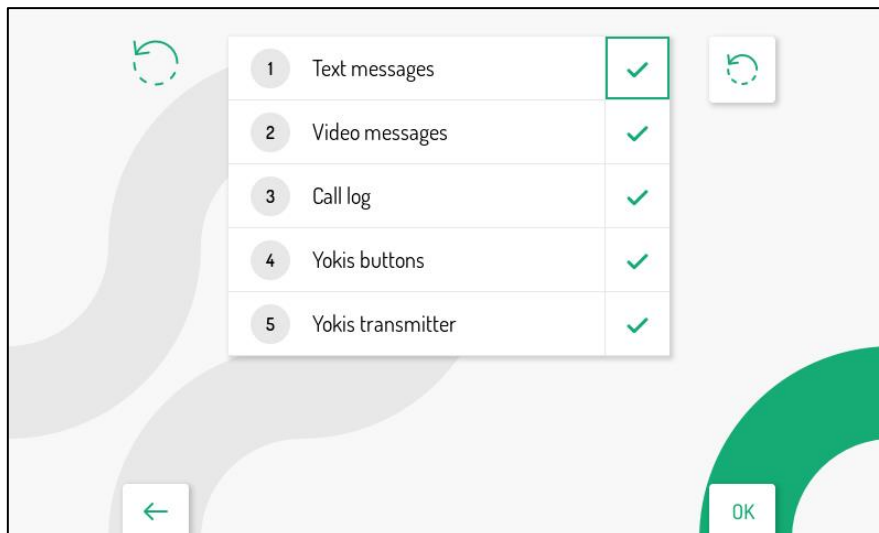


Figure 734: restoring the factory reset

Press the keys and to select which video door phone parameters you want to reset to factory values. When the selection has been made, press the key (OK) to enable or disable the parameter for reset to factory values. Enabling is confirmed by the presence of the icon (all video door phone parameters are initially enabled for resetting to factory settings).

Press the key to select the icon , then press the key (OK) to start reset to factory data. The display shows the following screen page:

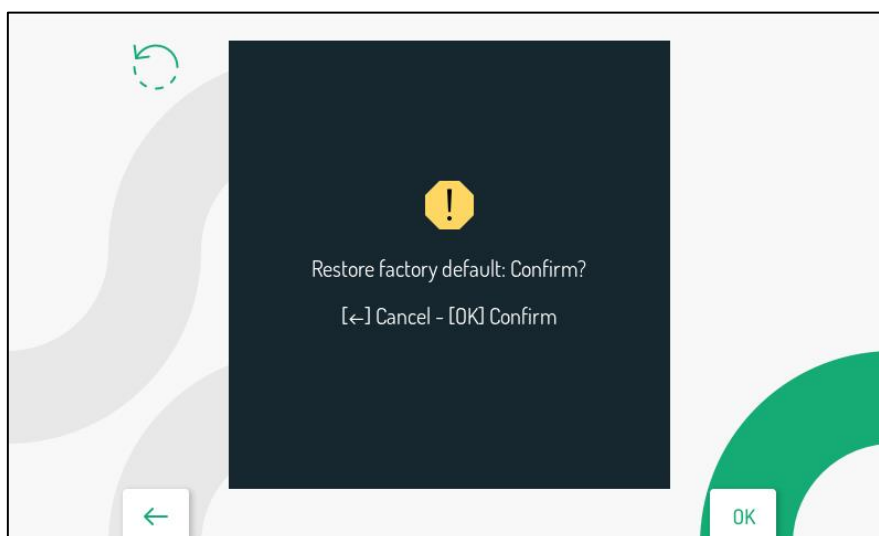


Figure 735: confirm factory reset

Press the key (OK) to confirm reset to factory values.

### 12.3 Factory reset of video door phone VOG<sup>5</sup>

To perform a *factory reset* of the VOG<sup>5</sup> video door phone, access the configuration menu:

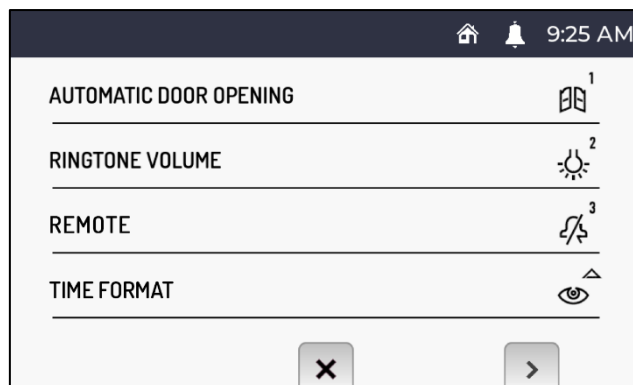


Figure 736: configuration menu - part 1

Press the key  to move to the screen page 2 of the configuration menu:

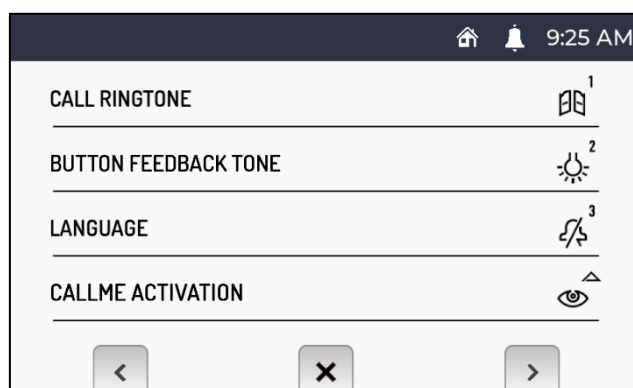



Figure 737: configuration menu - part 2

Press the key  again to move to screen page 3 of the configuration menu:

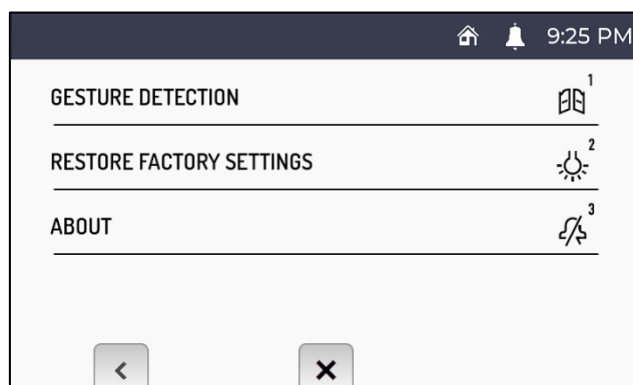


Figure 738: configuration menu - part 3

Press the key 2 in the screen page 3 of the configuration menu. The display shows the following screen:

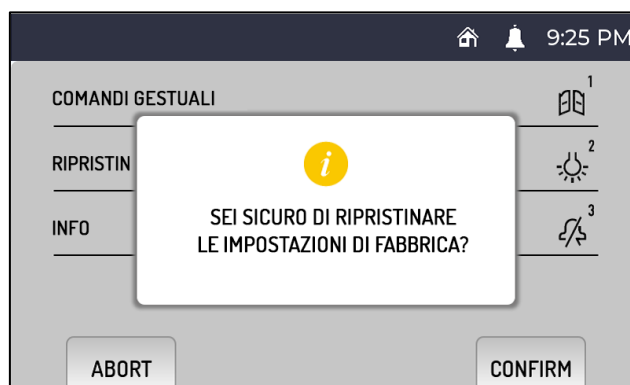




Figure 739: confirm factory reset

Press the key  to confirm the reset to factory settings of the device.

 The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).

## 12.4 Factory reset of Door Phone Miro




To restore default parameters of a Miro door phone after entering programming mode, hold button T1 pressed for longer than 5 seconds, hold buttons  and  pressed for longer than 5 seconds. The device will generate 2 long beeps and reboot.



Figure 740: Miro door phone



The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).

## 12.5 Factory reset of Call Modules 1060/12-13-17-18-23



Figure 741: Call Module

The *factory reset* of the *Call Module* can be carried out only during the device startup. During the start-up phase, the following screen is shown for five seconds:

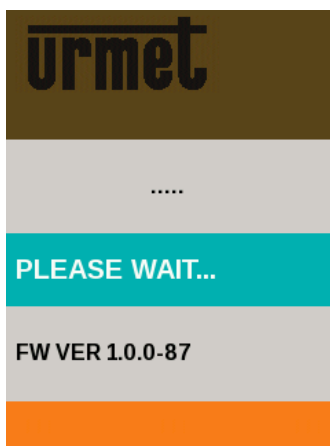



Figure 742: Call Module start screen

If during this time the buttons "X" and "0" are pressed several times in succession, the device will restart and perform a *factory reset*.



The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).

## 12.6 Factory reset of the Modular Entry Panel with 1060/48

The *factory reset* of the *Modular Entry Panel with 1060/48* can be done via the *IP audio and video outdoor station 1060/48* or via the *Display Module 1168/1* (below):



Figure 743: Audio Video IP outdoor station (on the left) and Display Module (on the right)

### 12.6.1 Factory reset via the Outdoor Audio and Video IP Station 1060/48

There are 3 ways to perform a *factory reset* and they are listed below.

#### *Mode 1: factory reset with reset button (Modular Entry Panel with 1060/48 ON)*

Press the "RESET" button placed on the back of the *Outdoor Audio and Video IP Station 1060/48* 5 times within 10 seconds (indicated in the figure with the red arrow). Each time the button is pressed feedback tone is sent: the button must be pressed again immediately after the feedback tone. If the procedure has been carried out correctly, the orange LEDs on the front panel will flash quickly for 6 times. After about 1 minute, the white LEDs illuminating name tags and buttons start flashing: this means that the *factory reset* operation has been carried out correctly.

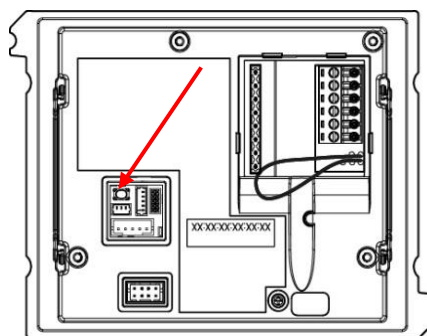


Figure 744: rear view of Outdoor Audio and Video IP Station 1060/48

### *Mode 2: factory reset with call button (Modular Entry Panel with 1060/48 OFF)*

Press the call button on the right (indicated in the figure with the red circle) of the *Outdoor Audio and Video IP Station 1060/48*, turn on the device by continuing to hold down the relevant button until the orange LEDs begin to flash 6 times. You can now release the call button. After about 1 minute, the white LEDs illuminating name tags and buttons start flashing: this means that the *factory reset* operation has been carried out correctly.



Figure 745: front view of Outdoor Audio and Video IP Station 1060/48

### *Mode 3: factory reset with call button and entrance hall button (Modular Entry Panel with 1060/48 ON)*

Press the call button on the right of the *Outdoor Audio and Video IP Station 1060/48* (the same as in the previous mode) and at the same time the entrance hall button (for about 20s) until the orange LEDs start flashing 6 times. You can now release the call button and the entrance hall button. After about 1 minute, the white LEDs illuminating name tags and buttons start flashing: this means that the *factory reset* operation has been carried out correctly.

## 12.6.2 Factory reset via the Display Module 1168/1

*Press the soft-touch buttons (Modular Entry Panel with 1060/48 OFF)*

Switch on the *Modular Entry Panel with 1060/48* and wait for the *Display Module 1168/1* to show the following screen page:

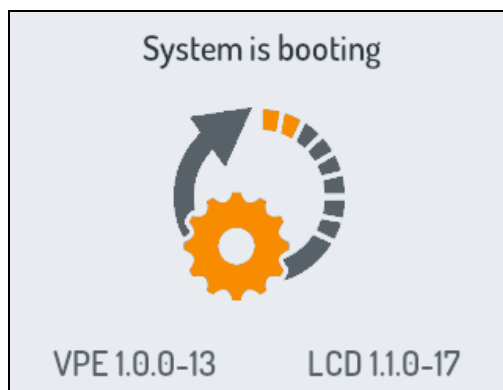



Figure 746: reset screen

Within 5 seconds, press the soft-touch buttons in the following sequence: 2-4-1-3 (button numbering starts from the leftmost button). The orange LEDs of the *Outdoor Audio and Video IP Station 1060/48* start flashing 6 times. The *Display Module 1168/1* will show the *Factory Reset* indication at the beginning of the procedure and after about 1 minute the *Not Configured* indication (at the end of the procedure). At the end of the procedure, the white LEDs illuminating the name tags and buttons of *Outdoor Audio and Video IP Station 1060/48* start flashing.



Besides the 5 modes described above, the reset to factory settings can always be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).

## 12.7 Factory reset of the Entry panels 1060/71-/74-75-78


To perform a *factory reset* of an *Entry Panel*, press the entrance hall button and at the same time the second button of the keypad (the lowest button) for 20 seconds.



Figure 747: Entry panels

After 20 seconds, the device emits a beep before restarting; then release both buttons: the device will start the *factory reset* procedure and reboot.



The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).


## 12.8 Factory reset of IPerCom 2Voice Gateway



Figure 748: IperCom 2Voice Gateway 1083/59

To perform a *factory reset* on a gateway, press the Reset button five times in a row (less than 1s in between). The device will be reset to default parameters; all configurations will be lost. Hold same button pressed for more than 10 seconds to make an hardware reboot the device. For more details, refer to the device installation manual at [www.urmet.com](http://www.urmet.com)



*The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).*

## 12.9 Factory reset of the lift interface 1060/37



Figure 749: Lift interface 1060/37

To perform the *factory reset* of the lift interface, press the Reset button for 5 times in a row (with intervals of less than 1s). The device resets to factory parameters and loses all the configurations made. The same button briefly pressed 1 time reboots the device hardware. For more details, refer to the installation manual of the device available at [www.urmet.com](http://www.urmet.com).

## 12.10 Factory reset of the Entry panel 1060/33-34





Figure 750: Entry panel 1060/33 (on the left) and 1060/34 (on the right)

To perform the *factory reset* of the *Entry panel* Ref. 1060/33-34 carry out the following operations in sequence:

- switch the device off;
- for the *Entry panel* 1060/33: press and hold the first call key (the top key) and the hall key;
- for the *Entry panel* 1060/34: press and hold the “up arrow” key and the hall key;
- switch the device on;
- do not release the keys until the device performs the following steps in sequence:
  - 8 flashes in sequence of the key LEDs,
  - camera LEDs turning on and off,
  - flashes in sequence of the key LEDs,
  - camera LEDs turning on and off.

Now, you can release the 2 keys and the factory reset function is implemented and the device reboots.

 The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).

## 12.11 Factory reset of Entry Panel 1060/21



Figure 751: Entry Panel 1060/21

To perform a *factory reset* on an *Entry Panel* Ref. 1060/21, the following operations must be carried out in sequence:


- Switch the device off.
- Press and hold the call key and the hall key.
- Turn on the device.
- Do not release the two buttons for at least 25 seconds.

During this -time, the following events can be observed in sequence on the device:

- The camera LEDs will switch on and off.
- The LED tags will flash 8 times.
- The camera LEDs will switch on and off again.

The two buttons can now be released. After two seconds, factory reset is performed and the device restarts.



*The reset to factory settings can be carried out also via the Ipercom Installer Tools application (button  of the Diagnostic tab).*

## 12.12 Factory reset of *Private Call Module 1060/22*



Figure 752: *Private Call Module 1060/22*



To perform a *factory reset* on a *Private Call Module* Ref. 1060/22, the following operations must be carried out in sequence:

- Switch the device off.
- Hold the call button pressed.
- Turn on the device.
- Do not release the buttons for at least 25 seconds.

During this time, the following events can be observed in sequence on the device:

- The camera LEDs will switch on and off.
- The LED tags will flash 8 times.
- The camera LEDs will switch on and off again.

The buttons can now be released. After two seconds, factory reset is performed and the device restarts.

 The reset to factory settings can be carried out also via the *Ipercom Installer Tools* application (button  of the *Diagnostic* tab).

## 13 Configuration parameters of IPerCom devices

### 13.1 Server 1060/1

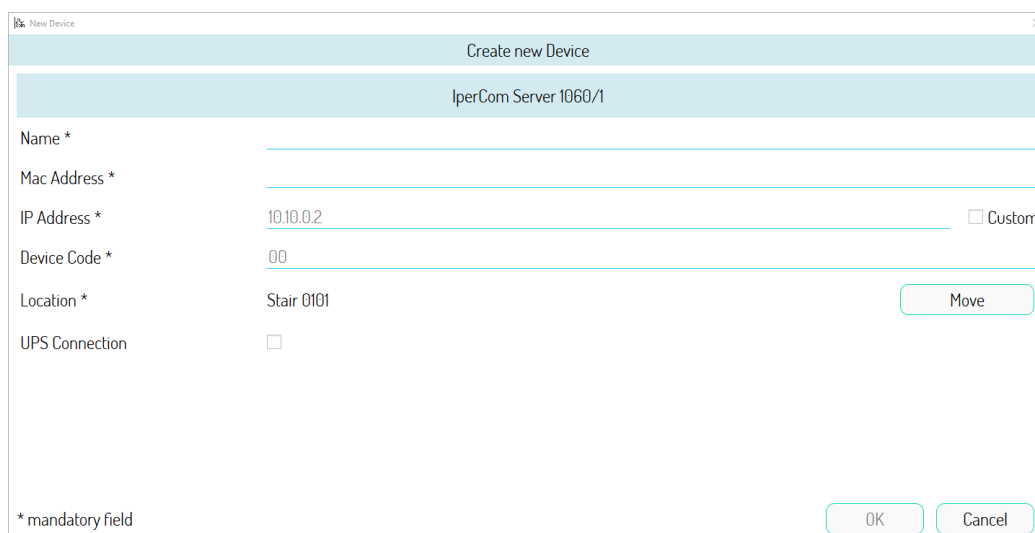


Figure 753: configuration parameters for Server 1060/1

The following table shows the meaning of the above configuration parameters.

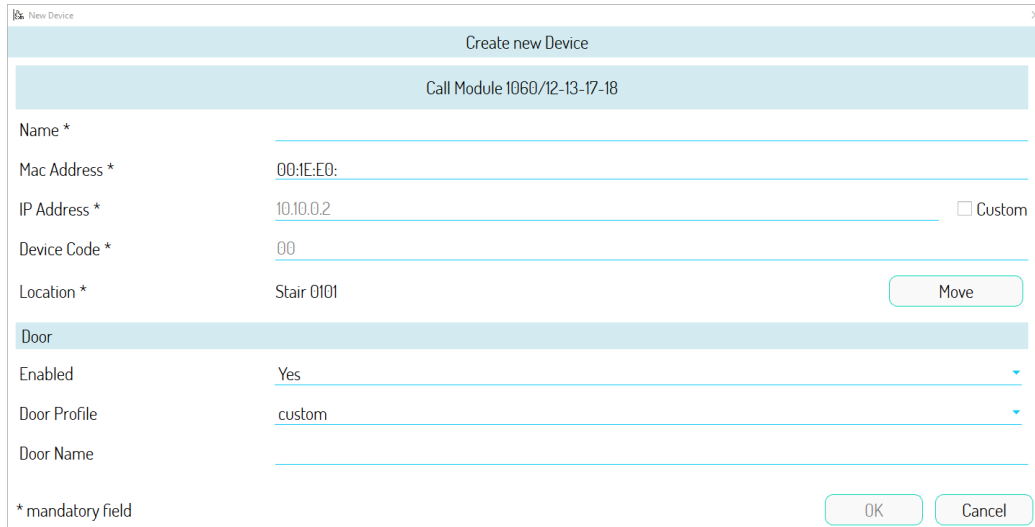
<b>General Settings</b>	
<b>Name</b>	Name to assign to the server.
<b>MAC Address</b>	MAC address associated with the server.
<b>IP Address</b>	IP address associated with the server. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.
<b>UPS connection (uninterruptible power supply)</b>	If selected, the server through the <i>Maintenance</i> tab of <i>IPerCom Installer Tools</i> can give several information about the UPS parameters, including the battery charge level. Default value: not selected. The connection between UPS and Server is made via the USB port of the server.

Table 27: meaning of the general configuration parameters for Server 1060/1



*It is highly recommended to connect a UPS (Uninterruptible Power Supply) to the IPerCom Server from the first power up to avoid irreparable damage caused by possible voltage drops or sudden power failures. The UPS models currently supported are the BK350EI/BK500EI/BK650EI. The information is managed through one of the 3 USB ports of the Server itself.*

## 13.2 Call Module 1060/12-13-17-18



**Create new Device**

Call Module 1060/12-13-17-18

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

**Door**

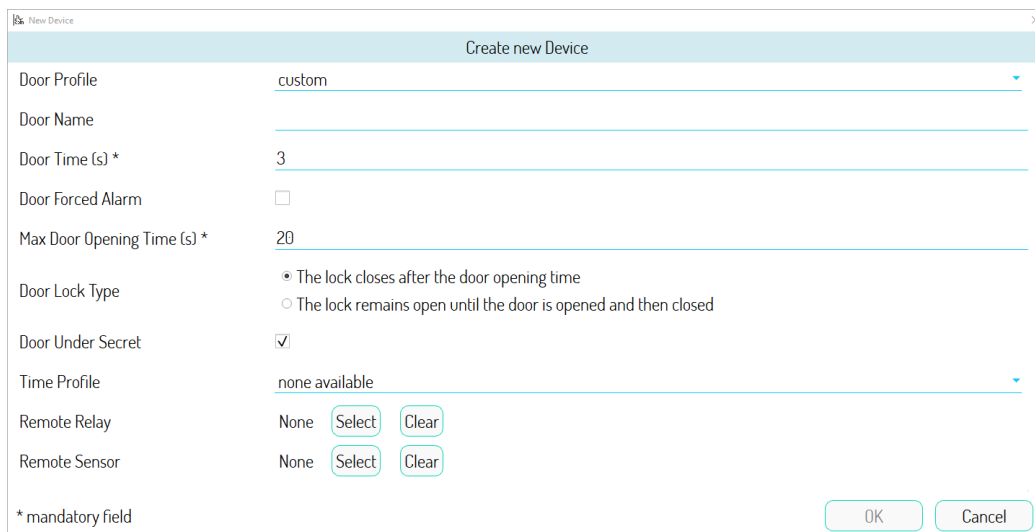
Enabled Yes

Door Profile custom

Door Name

\* mandatory field OK Cancel

Figure 754: configuration parameters for Call Module 1060/12-13-17-18 (part 1)



**Create new Device**

Door Profile custom

Door Name

Door Time (s) \* 3

Door Forced Alarm ☐

Max Door Opening Time (s) \* 20

Door Lock Type   
☒ The lock closes after the door opening time   
☐ The lock remains open until the door is opened and then closed

Door Under Secret ☒

Time Profile none available

Remote Relay None Select Clear

Remote Sensor None Select Clear

\* mandatory field OK Cancel

Figure 755: configuration parameters for Call Module 1060/12-13-17-18 (part 2)

New Device

Create new Device

Hall Button

Use Hall Button for calling concierge ☐

Remote Button None Select Clear

Gate

Enabled No

Settings

Show Address Book ☐

Concierge button ☒

Infrared ☒

LEDs ☒

Keyboard LEDs

\* mandatory field

OK Cancel

Figure 756: configuration parameters for Call Module 1060/12-13-17-18 (part 3)

New Device

Create new Device

Keyboard LEDs

Call Feedback Tone

Button feedback tone

Speakers Volume

Welcome Message

Image Select

RTSP Settings

RTSP In-Call Stream ☐

Activations

Activations 0 defined Add

\* mandatory field

OK Cancel

Figure 757: configuration parameters for Call Module 1060/12-13-17-18 (part 4)

The following tables show the meaning of the above configuration parameters.

<b>General Settings</b>	
<i>Name</i>	Name to assign to call module.
<i>MAC Address</i>	MAC address associated to the call module.
<i>IP Address</i>	IP address associated with the call module. <u>Field visible only if a static network configuration has been set in the system parameters</u> . In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<i>Device code</i>	Value that cannot be changed.
<i>Location</i>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.

Table 28: meaning of the general configuration parameters for Call Module 1060/12-13-17-18

<b>Door settings (pedestrian door)</b>	
<b>Enabled</b>	The item <i>Yes</i> enables the main door: in this case the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the main door. Default value: <i>Yes</i> .
<b>Door Profile (#)</b>	This allows you to associate a previously created door profile with the concerned main door. In this case, the door parameters are automatically compiled (besides the name). Default setting: <i>Custom</i> (parameters must be compiled manually).
<b>Door Name (#)</b>	Name to assign to the main door.
<b>Door Time (s) (#)</b>	Pulse duration on the control relay. Default value: 3s.
<b>Door Forced Alarm (#)</b>	If selected, if the door is forced, the current event sends an alarm to the <i>Switchboard</i> .
<b>Max Door Opening Time (s) (#)</b>	If selected, if the accessed is forced, the concerned event sends an alarm to the <i>Switchboard</i> .
<b>Door Lock Type (#)</b>	It allows you to choose the type of lock installed on the main door (see note reported below).
<b>Door Under Secret (#)</b>	If selected, by pressing the door opener button (from an indoor station) it is possible to activate the electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the door can also be opened outside call mode from the apartments the topological path of which intercepts the <i>Call Module</i> . Default setting: selected.
<b>Time Profile (#)</b>	This allows you to associate a temporal profile to the main door. Access will be valid only within the selected time profile (except for residents of apartments whose topological path intercepts the <i>Call Module</i> ). Default setting: <i>none</i> .
<b>Remote Relay (#)</b>	It allows you to remotely control the relay that operates the main door of the <i>Call module</i> . For further details, see paragraph <a href="#"><u>Remote relay functions, remote entrance hall button and remote sensor</u></a> .
<b>Remote Sensor (#)</b>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#"><u>Remote relay functions, remote entrance hall button and remote sensor</u></a> .

Table 29: meaning of the configuration parameters of the main door for Call Module 1060/12-13-17-18

<b>Hall button settings</b>	
<i>Use Hall Button for calling concierge</i>	If selected, it allows you to use the hall button to call the competence switchboard or switchboards of the system.
<i>Remote Button (#)</i>	It allows you to remotely control the entrance hall button that opens the main door of the <i>Call Module</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 30: meaning of the configuration parameters of the hall button for Call Module 1060/12-13-17-18

<b>Gate settings</b>	
<i>Used</i>	<p>The item <i>Yes</i> enables the gate: in this case the following options are shown, marked with a hash mark (#).  The item <i>No</i> disables the gate.  The <i>Relay Actuator</i> item allows you to use the gate relay output as the output (only in monostable mode) of a <i>Relay Actuator</i>: in this case the item marked with the symbol (\$) appears. For further details see the section <a href="#">Gate contact used as output of a Relay Actuator</a>.  Default value: <i>No</i>.</p>
<i>Gate Profile (#)</i>	This allows you to associate a previously created access profile to the concerned gate. In this case, the gate parameters are automatically compiled (besides the name). Default setting: <i>Custom</i> (parameters must be compiled manually).
<i>Gate Name (#)</i>	Name to assign to the gate.
<i>Gate Time (s) (#) (\$)</i>	Pulse duration on the control relay. Default value: 3s. Allowed values: from 1s to 90s.
<i>Gate Under Secret (#)</i>	If selected, by pressing the gate button (from an indoor station) it is possible to activate electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the gate can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<i>Time Profile (#)</i>	This allows you to associate a temporal profile to the gate access. Access will be valid only within the selected time profile (except for residents of apartments whose topological path intercepts the <i>Call Module</i> ). Default setting: <i>none</i> .
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the gate of the <i>Call Module</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .

Table 31: meaning of the configuration parameters of the gate for Call Module 1060/12-13-17-18

<b>User settings</b>	
<i>Show Address Book</i>	The item appears only if the call addressing mode is “ <i>Block Mode</i> ” and if the device is placed on a node other than the “ <i>Site</i> ” node. In this case, if the item is selected, the address book is shown on the call module; if the item is not selected, the address book does not appear. In the first case it will be possible to call the apartments via address book and numeric code, in the second case only via numeric code. Default value: unchecked.
<i>Switchboard Button</i>	Enable button to call to the respective <i>Switchboard</i> .
<i>Infrared</i>	Enabling of user presence competence through integrated infrared sensor.
<i>LEDs</i>	Enabling of the camera LED.
<i>Keyboard LEDs</i>	Enabling the keypad backlighting.
<i>Call Feedback Tone</i>	Call feedback setting.
<i>Button Feedback Tone</i>	Setting of audio feedback on buttons.
<i>Speakers Volume</i>	Loudspeaker volume setting
<i>Welcome Message</i>	This allows you to set a welcome message on the <i>Call Module</i> display. Some special characters (e.g. "emojicons") may not be displayed correctly, so we recommend that you check that the message is displayed correctly. Maximum length of the message: 64 characters.

Table 32: meaning of the user configuration parameters for Call Module 1060/12-13-17-18

<b>RTSP In-Call stream settings</b>	
<i>RTSP In-Call stream</i>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<i>IP Address (#)</i>	IP address of calling station camera.
<i>Network mask (#)</i>	Subnet mask of RTSP cameras (including calling station camera).
<i>Port</i>	RTSP video stream port. Value not editable.
<i>Stream</i>	Name of the RTSP video stream. Value not editable.
<i>User Name (#)</i>	Username to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>Password (#)</i>	Password to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>Streaming URI</i>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: rtsp://[<username>:<password>@] <IP address>:<port>/<stream>

Table 33: meaning of the configuration parameters of the RTSP streaming for Call Module 1060/12-13-17-18



There are two types of electric locks on the market: with automatic rearm or without automatic rearm.

Installing a type of lock with automatic rearm and sending a door opening command, the door remains open only for the time established in the configurator ("Door Time (s)" parameter). After that time the lock rearms and the door is closed. In this case the option "The lock closes after the door opening time" must be chosen. In this context mounting a sensor on the door, a door left open alarm will be sent to the video door phones and switchboards only if the door remains opened (sensor) beyond the time set on configurator ("Max door opening time (s)" parameter).

On the other hand, installing a type of lock without automatic rearm and sending a door opening command, the door remains open until the door is opened and closed again. In this case the option "The lock remains open until the door is opened and closed" must be chosen. In this situation, by installing a sensor on the door, a door open alarm will be sent to the video door phones and switchboard if, after the door open command has been given, the door is not opened and closed within the time set on the configurator ("Max door opening time (s)" parameter).

The above also applies to the other calling stations that have this option.



In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#).



It is possible to configure any Urmet NVR device to record calls made via Call Module 1060/12-13-17-18 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IperCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.

The "Add" button in the **Activations** section has already been described in paragraph [Activations](#).

The "Select" button in the "Images" section allows loading a welcome image on the calling station display. Supported file formats include the most common ones like jpg, bmp and png. We recommend uploading images with an aspect ratio of 200x58 pixels: this way the image will not be cropped. Once an image is uploaded, you can delete it using the "Delete" button.

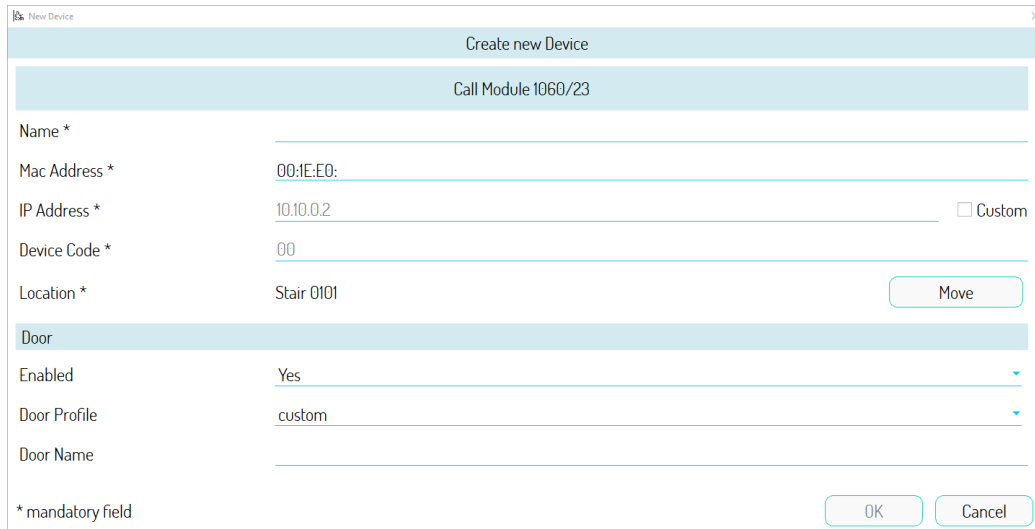


The welcome image disappears if an apartment is called for which (in the configurator) a help image on how to reach it has been uploaded (see section [Call addressing mode](#)). This image is only replaced by the welcome image during the call phase (forwarding and answering). At the end of the call, the welcome image is displayed again.



The address book of the Call Module is automatically created by importing the residents (set as visible) of all apartments in the topology group of the Call Module itself.

### 13.3 Call Module 1060/23



**Create new Device**

**Call Module 1060/23**

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

**Door**

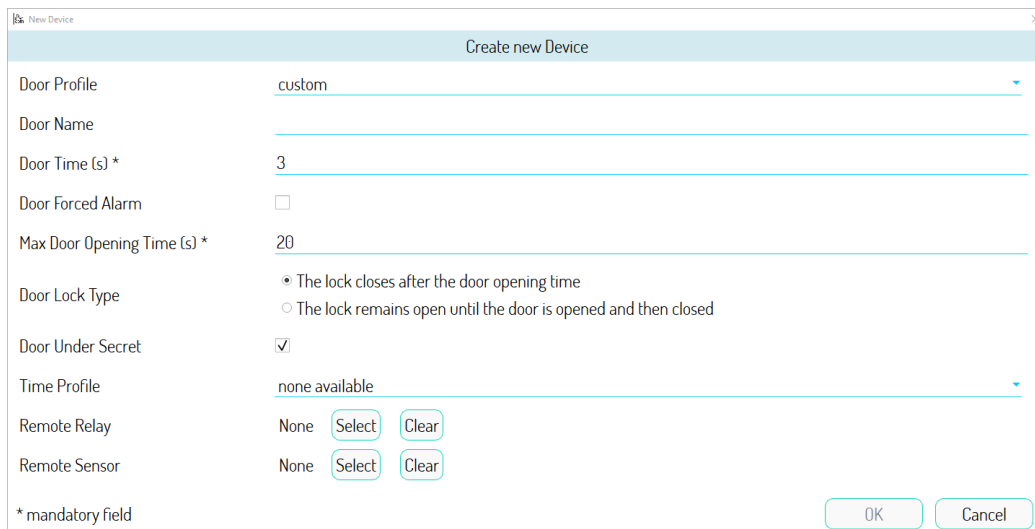
Enabled Yes

Door Profile custom

Door Name

\* mandatory field OK Cancel

Figure 758: configuration parameters for Call Module 1060/23 (part 1)



**Create new Device**

Door Profile custom

Door Name

Door Time (s) \* 3

Door Forced Alarm ☐

Max Door Opening Time (s) \* 20

Door Lock Type   
☒ The lock closes after the door opening time   
☐ The lock remains open until the door is opened and then closed

Door Under Secret ☒

Time Profile none available

Remote Relay None Select Clear

Remote Sensor None Select Clear

\* mandatory field OK Cancel

Figure 759: configuration parameters for Call Module 1060/23 (part 2)

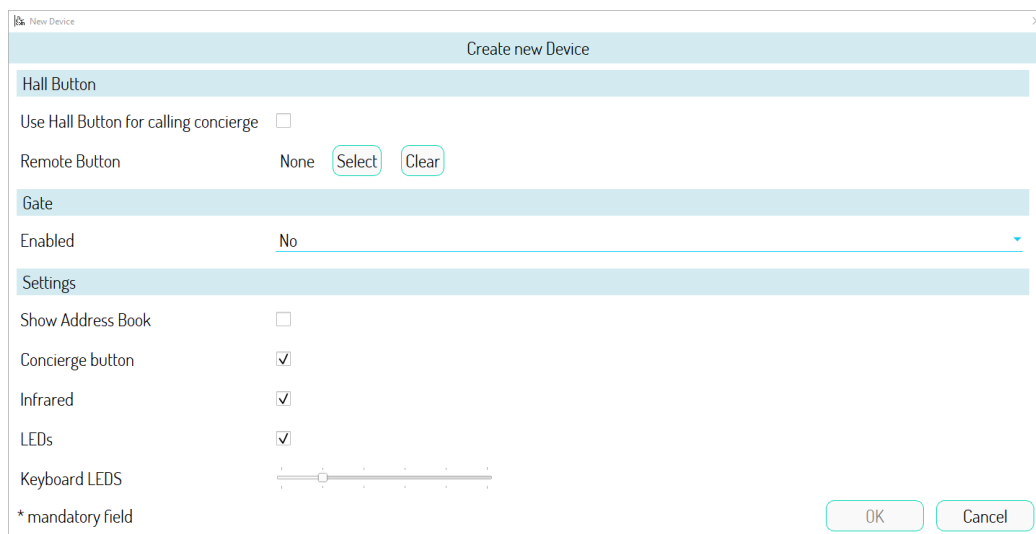


Figure 760: configuration parameters for Call Module 1060/23 (part 3)

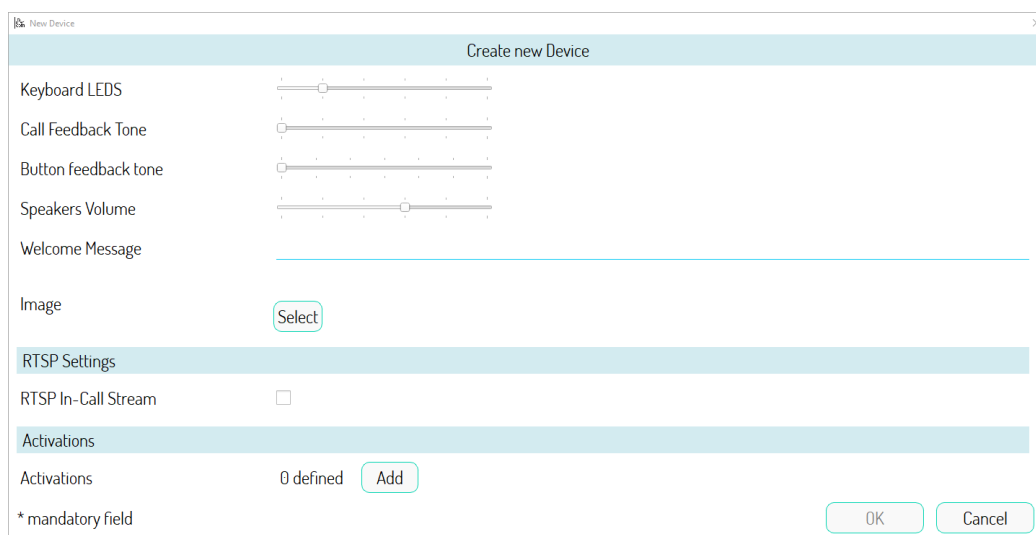


Figure 761: configuration parameters for Call Module 1060/23 (part 4)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<i>Name</i>	Name to assign to call module.
<i>MAC Address</i>	MAC address associated with the call module.
<i>IP Address</i>	IP address associated with the call module. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<i>Device Code</i>	Value not editable.
<i>Location</i>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.

Table 34: meaning of the general configuration parameters for Call Module 1060/23

<b>Door settings (pedestrian door)</b>	
<i>Used</i>	The item <i>Yes</i> enables the main door: in this case the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the main door. Default value: <i>Yes</i> .
<i>Door Profile (#)</i>	It allows you to associate a previously created access profile to the main door in question. In this case the door parameters are automatically filled in (except the name). Default value: <i>customised</i> (the parameters must be filled in manually).
<i>Main Door Name (#)</i>	Name to assign to the main door.
<i>Door opening time (s) (#)</i>	Pulse duration on the control relay. Default value: 3s.
<i>Door forced alarm (#)</i>	If selected, if the door is forced, the current event sends an alarm to the <i>Switchboard</i> .
<i>Max Door Opening Time (s) (#)</i>	Maximum door opening time beyond which a warning of opened door is sent to the <i>Switchboard</i> .
<i>Lock type (#)</i>	It allows you to choose the type of lock installed on the main door (see note at the end of the configuration section of the <a href="#">Call Module 1060/12-13-17-18</a> )
<i>Door under secret (#)</i>	If selected, by pressing the door opener button (from an indoor station) it is possible to activate the electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the door can also be opened outside the call phase only from all the apartments where the topological path detects the calling station. Default value: <i>selected</i> .
<i>Time profile (#)</i>	It allows you to associate a time profile to the main door. Access will be valid only within the selected time profile (except for the residents of the apartments whose topological path detects the calling station). Default value: <i>none</i> .
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the main door of the calling station. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .
<i>Remote Sensor (#)</i>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 35: meaning of the configuration parameters of the main door for Call Module 1060/23

<b>Hall button settings</b>	
<i>Use Hall Button for calling concierge</i>	If selected, it allows you to use the hall button to call the competence switchboard or switchboards of the system.
<i>Remote Button (#)</i>	It allows you to remotely control the entrance hall button that opens the main door of the <i>Call Module</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 36: meaning of the configuration parameters of the hall button for Call Module 1060/23

<b>Gate settings</b>	
<i>Used</i>	<p>The item <i>Yes</i> enables the gate: in this case the following options are shown, marked with a hash mark (#).  The item <i>No</i> disables the gate.  The <i>Relay Actuator</i> item allows you to use the gate relay output as the output (only in monostable mode) of a <i>Relay Actuator</i>: in this case the item marked with the symbol (\$) appears. For further details see the section <a href="#">Gate contact used as output of a Relay Actuator</a>.  Default value: <i>No</i>.</p>
<i>Gate Profile (#)</i>	It allows you to associate a previously created access profile to the gate in question. In this case the gate parameters are automatically filled in (except the name). Default value: <i>customised</i> (the parameters must be filled in manually).
<i>Gate name (#)</i>	Name to assign to the gate.
<i>Gate Opening Time (s) (#) (\$)</i>	Pulse duration on the control relay. Default value: 3s. Allowed values: from 1s to 90s.
<i>Gate under secret (#)</i>	If selected, by pressing the gate button (from an indoor station) it is possible to activate electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the gate can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<i>Time profile (#)</i>	It allows you to associate a time profile to the gate. Access will be valid only within the selected time profile (except for the residents of the apartments whose topological path detects the calling station). Default value: <i>none</i> .
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the gate opener of the calling station. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .



Table 37: meaning of the configuration parameters of the gate for Call Module 1060/23

<b>User settings</b>	
<i>Show Address Book</i>	The item appears only if the call addressing mode is “ <i>Block Mode</i> ” and if the device is placed on a node other than the “ <i>Site</i> ” node. In this case, if the item is selected, the address book is shown on the call module; if the item is not selected, the address book does not appear. In the first case it will be possible to call the apartments via address book and numeric code, in the second case only via numeric code. Default value: unchecked.
<i>Switchboard Button</i>	Enabling of the button for the call to the relevant <i>Switchboard</i> .
<i>Infrared</i>	Enabling of user presence detection through integrated infrared sensor.
<i>LEDs</i>	Enabling of the camera LED.
<i>Keyboard LEDs</i>	Enabling the button backlighting.
<i>Call Feedback Tone</i>	Call feedback setting.
<i>Button Feedback Tone</i>	Setting of audio feedback on buttons.
<i>Loudspeaker Volume</i>	Loudspeaker volume setting
<i>Welcome Message</i>	It allows to set a welcome message on the calling station display. Some special characters (e.g. "emoticons") may not be displayed correctly: it is therefore advisable to check that the message is displayed correctly. Maximum message length: 64 characters.

Table 38: meaning of the user configuration parameters for Call Module 1060/23



<b>RTSP In-Call stream settings</b>	
<i>RTSP In-Call stream</i>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<i>IP Address (#)</i>	IP address of calling station camera.
<i>Network mask (#)</i>	Subnet mask of RTSP cameras (including calling station camera).
<i>Port</i>	RTSP video stream port. Value not editable.
<i>Stream</i>	Name of the RTSP video stream. Value not editable.
<i>User Name (#)</i>	Username to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>Password (#)</i>	Password to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>URI for Streaming</i>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: <code>rtsp://[&lt;username&gt;:&lt;password&gt;@] &lt;IP address&gt;:&lt;port&gt;/&lt;stream&gt;</code>

Table 39: meaning of the configuration parameters of the RTSP streaming for Call Module 1060/23

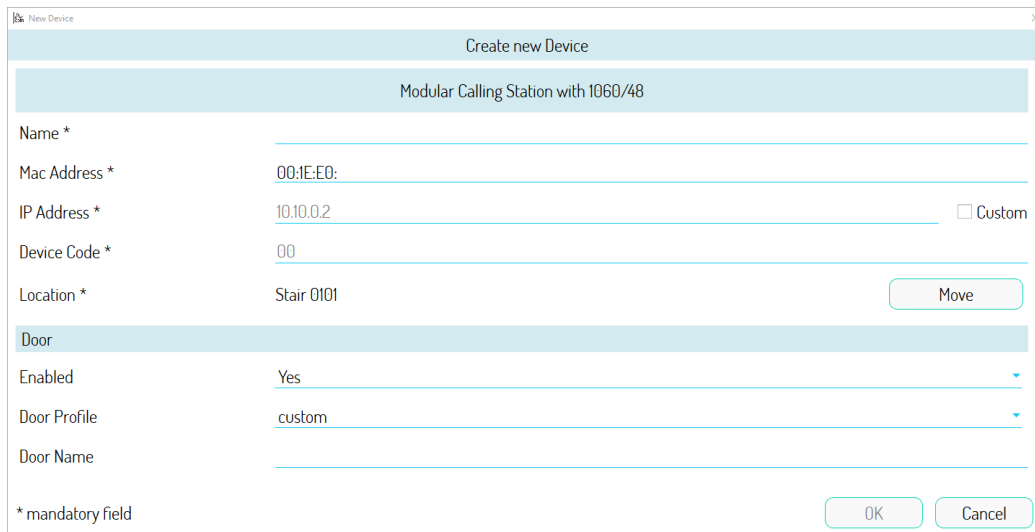
-  In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#).
-  It is possible to configure any Urmet NVR device to record calls made via Call Module 1060/23 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IPerCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.

The "Add" button in the **Activations** section has already been described in paragraph [Activations](#).

The "Select" button in the "Images" section allows loading a welcome image on the calling station display. Supported file formats include also the most common ones like jpg, bmp and png. We recommend uploading images with an aspect ratio of 200x58 pixels: this way the image will not be cropped. Once an image is uploaded, you can delete it using the "Delete" button.

-  The welcome image disappears if an apartment is called for which (in the configurator) a help image on how to reach it has been uploaded (see section [Call addressing mode](#)). This image is only replaced by the welcome image during the call phase (forwarding and answering). At the end of the call, the welcome image is displayed again.
-  The address book of the Call Module is automatically created by importing the residents (set as visible) of all apartments in the topology group of the Call Module itself.

## 13.4 Modular Calling Station with 1060/48



**Create new Device**

Modular Calling Station with 1060/48

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

**Door**

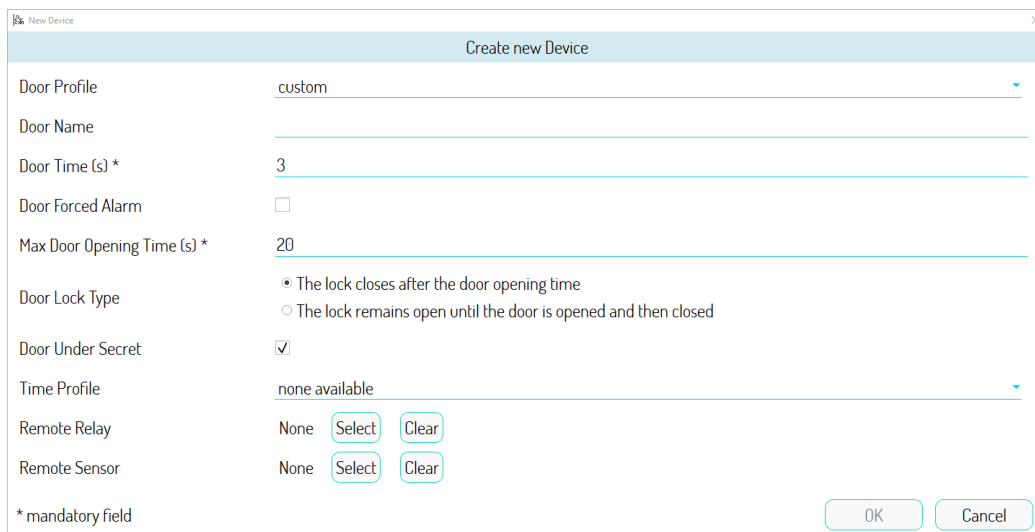
Enabled Yes

Door Profile custom

Door Name

\* mandatory field OK Cancel

Figure 762: configuration parameters for Modular Calling Station with 1060/48 (part 1)



**Create new Device**

Door Profile custom

Door Name

Door Time (s) \* 3

Door Forced Alarm ☐

Max Door Opening Time (s) \* 20

Door Lock Type

- ☒ The lock closes after the door opening time
- ☐ The lock remains open until the door is opened and then closed

Door Under Secret ☒

Time Profile none available

Remote Relay None Select Clear

Remote Sensor None Select Clear

\* mandatory field OK Cancel

Figure 763: configuration parameters for Modular Calling Station with 1060/48 (part 2)

**Create new Device**

**Hall Button**

Use Hall Button for calling concierge ☐

Remote Button: None **Select** **Clear**

**Gate**

Enabled: No

**Settings**

Embedded Call Buttons:
 

- ☐ Call buttons disabled
- ☐ Right call button enabled
- ☒ Right and Left call buttons enabled

Camera LEDs: ☒

Welcome Message: \_\_\_\_\_

\* mandatory field

**OK** **Cancel**

Figure 764: configuration parameters for Modular Calling Station with 1060/48 (part 3)

**Create new Device**

Camera LEDs: ☒

Welcome Message: \_\_\_\_\_

Call Feedback:
 

- ☐ Vocal Messages
- ☐ Feedback Tones
- ☒ None

Light Sensor: ☒

Screen Saver Mode: Continuous run

Module Settings:
 

- ☐ Numeric Keyboard
- ☐ Alphabetic Keyboard
- ☐ ILA
- ☐ LCD
- ☐ Key Reader

\* mandatory field

**OK** **Cancel**

Figure 765: configuration parameters for Modular Calling Station with 1060/48 (part 4)

**Create new Device**

Available	Used
Activations by code	Call from addressbook
	Call by manual code
	Door opening
	Call to competence switchboards

LCD menu items

\* mandatory field

**OK** **Cancel**

Figure 766: configuration parameters for Modular Calling Station with 1060/48 (part 5)

New Device

Create new Device

RTSP Settings



RTSP In-Call Stream ☐

Activations

Activations 0 defined [Add](#)

Call Buttons

all apartments - inverted topological order [Populate](#) [Clear](#)

Position	B	S	F	A	D	Type	Description	Edit	Delete
Left									
Right									

\* mandatory field

[OK](#) [Cancel](#)






Figure 767: configuration parameters for Modular Calling Station with 1060/48 (part 6)

New Device

Create new Device

Call Buttons

all apartments - inverted topological order [Populate](#) [Clear](#)

Position	B	S	F	A	D	Type	Description	Edit	Delete
Left									
Right									
1									
2									
3									

\* mandatory field

[OK](#) [Cancel](#)

Figure 768: configuration parameters for Modular Calling Station with 1060/48 (part 7)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<i>Name</i>	Name to assign to the calling station.
<i>MAC Address</i>	MAC address associated with the calling station.
<i>IP Address</i>	IP address associated with the calling station. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<i>Device Code</i>	Value not editable.
<i>Location</i>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.

Table 40: meaning of the general configuration parameters for Modular Calling Station with 1060/48

<b>Door settings (pedestrian door)</b>	
<i>Used</i>	The item <i>Yes</i> enables the main door: in this case the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the main door. Default value: <i>Yes</i> .
<i>Door Profile (#)</i>	It allows you to associate a previously created access profile to the main door in question. In this case the door parameters are automatically filled in (except the name). Default value: <i>customised</i> (the parameters must be filled in manually).
<i>Main Door Name (#)</i>	Name to given to the main door.
<i>Door Opening Time (s) (#)</i>	Pulse duration on the control relay. Default value: 3s.
<i>Door Forced Alarm (#)</i>	If selected, if the door is forced, the current event sends an alarm to the <i>Switchboard</i> .
<i>Max Door Opening Time (s) (#)</i>	Maximum door opening time beyond which a warning of opened door is sent to the <i>Switchboard</i> . Default value: 60s.
<i>Lock type (#)</i>	It allows you to choose the type of lock installed on the main door (see note at the end of the configuration section of the <a href="#">Call Module 1060/12-13-17-18</a> ).
<i>Door Under Secret (#)</i>	If selected, by pressing the door opener button (from an indoor station) it is possible to activate the electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the door can also be opened outside the call phase from all the apartments where the topological path detects the <i>External unit</i> . Default value: selected.
<i>Time Profile (#)</i>	It allows you to associate a time profile to the main door. Access will be valid only within the selected time profile (except for the residents of the apartments whose topological path detects the <i>Call Module</i> ). Default value: <i>none</i> .
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the main door of the external unit. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .
<i>Remote Sensor (#)</i>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 41: meaning of the configuration parameters of the main door for Modular Calling Station with 1060/48

<b>Hall button settings</b>	
<i>Use Hall Button for calling concierge</i>	If selected, it allows you to use the hall button to call the competence switchboard or switchboards of the system.
<i>Remote Button (#)</i>	It allows you to remotely control the entrance hall button that opens the main door of the <i>Call Module</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 42: meaning of the configuration parameters of the hall button for Modular Calling Station with 1060/48

<b>Gate settings</b>	
<i>Used</i>	<p>The item <i>Yes</i> enables the gate: the following options are shown, marked with a hash mark (#).</p> <p>The item <i>No</i> disables the gate.</p> <p>The item <i>“By door opening”</i> allows you to use the relay contact of the driveway to open the main door.</p> <p>The <i>Relay Actuator</i> item allows you to use the gate relay output as the output (only in monostable mode) of a <i>Relay Actuator</i>: in this case the item marked with the symbol (§) appears. For further details see the section <a href="#">Gate contact used as output of a Relay Actuator</a>.</p> <p>Default value: <i>No</i>.</p>
<i>Gate Profile (#)</i>	It allows you to associate a previously created access profile to the gate in question. In this case the door parameters of gate are automatically filled in (except the name). Default value: <i>customised</i> (the parameters must be filled in manually).
<i>Gate Name (#)</i>	Name to assign to the gate.
<i>Gate Opening Time (s) (#) (§)</i>	Pulse duration on the control relay. Default value: 3s. Allowed values: from 1s to 90s.
<i>Gate Under Secret (#)</i>	If selected, by pressing the gate button (from an indoor station) it is possible to activate electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the gate can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<i>Time profile (#)</i>	It allows you to associate a time profile to the gate. Access will be valid only within the selected time profile (except for the residents of the apartments whose topological path detects the <i>Call Module</i> ). Default value: <i>none</i> .
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the gate opener of the External unit. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .

Table 43: meaning of the configuration parameters of the gate for Modular Calling Station with 1060/48

<b>User settings</b>	
<i>Integrated call buttons</i>	The 2 calling station buttons can be enabled or disabled as shown below: - ) both disabled, - ) only right call button enabled, - ) both enabled.
<i>Camera LEDs</i>	Enabling of the camera LEDs. Default value: <i>selected</i> .
<i>Welcome Message</i>	It allows you to enter a text message that will be displayed on the display module 1168/1 in case of configuration as Alpha call module.
<i>Call Feedback</i>	This allows you to set call feedback via vocal message/sound feedback or to set no call feedback mode (default).
<i>Voice synthesis module</i>	It allows you to set up call feedback via voice message or audible feedback. Default value: <i>selected</i> .
<i>Twilight sensor</i>	It allows you to enable or disable the twilight sensor present on the module. Default value: <i>not selected</i> .
<i>Screen Saver operating mode</i>	It allows you to enable and configure a screen saver on the <i>Display Module 1168/1</i> when in stand-by mode. Use modes are: - ) OFF (screen saver disabled), - ) continuous operation (screen saver enabled).
<i>Module configuration</i>	It allows you to select and enable the various modules that make up the calling station: - ) <i>Numeric Keypad Module 1168/46</i> , - ) <i>Alphabetic Keypad Module 1168/49</i> , - ) <i>ILA Voice Synthesis Module 1168/48</i> , - ) <i>Display Module 1168/1</i> , - ) <i>Proximity key reader 1168/45</i> .
<i>LCD menu items</i>	It allows you to select which items will be displayed on the <i>Display Module 1168/1</i> : - ) call from address book, - ) call through manual code, - ) door/gate opening, - ) activation through code, - ) call to the switchboards concerned, - ) empty line.

Table 44: meaning of the user configuration parameters for Modular Calling Station with 1060/48

<b>RTSP In-Call stream settings</b>	
<i>RTSP In-Call stream</i>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<i>IP Address (#)</i>	IP address of calling station camera.
<i>Network mask (#)</i>	Subnet mask of RTSP cameras (including calling station camera).
<i>Port</i>	RTSP video stream port. Value not editable.
<i>Stream</i>	Name of the RTSP video stream. Value not editable.
<i>User Name (#)</i>	User name to access the calling station RTSP video stream from the <i>Switchboard</i>
<i>Password (#)</i>	Password to access the calling station RTSP video stream from the <i>Switchboard</i> ,
<i>Uri per lo Streaming</i>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: <code>rtsp://[&lt;username&gt;:&lt;password&gt;@] &lt;IP address&gt;:&lt;port&gt;/&lt;stream&gt;</code>

Table 45: meaning of the configuration parameters of the RTSP streaming for Modular Calling Station with 1060/48



In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#).



It is possible to configure any Urmet NVR device to record calls made via Modular Calling Station with 1060/48 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IperCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.

The "*Call Buttons*" section allows associating the apartment stations (or the *Switchboards*) to be called to the keys of the *Outdoor Station* by pressing on the icon "*Edit*". The relevant window will open allowing you to:

- set recipient's name and surname (field "*Name*"), which will appear on the outdoor station name tag at the corresponding call key;
- navigate the topological structure of the system and for each topological node choose whether the key should call one or all indoor stations of the topological node or any *Switchboards* ("*Modification*" button).

The "*Delete*" icon allows you to delete the assignment made before.

In the case of installation as modular entry panel it is possible to assign all keys from 1 to 90: in fact, the device has 2 keys (named "*Left*" and "*Right*"), which can be expanded to 88 (for a total of 90) by means of key add-on modules. In case of installation as call module, it is possible to assign only the "*Left*" and "*Right*" keys (for further details see booklet of [IP audio and video outdoor station 1060/48](#)).

The "*Delete*" button allows you to delete the association made for each single button.

The "*Populate*" button allows you to automatically assign all the indoor stations of the apartments of the system to each call key of the *Outdoor Station*. The assignment can take place in 4 ways (as per the relevant drop-down menu:

- all apartments in topological order,
- all apartments in reverse topological order,
- all apartments in alphabetical order,
- all apartments in reverse alphabetical order.

The automatic assignment only concerns apartments in the topological group of the *Outdoor Station*.

In this case, the "*Name*" field, automatically filled in with the name given to the apartment, can be edited using the "*Modification*" button.

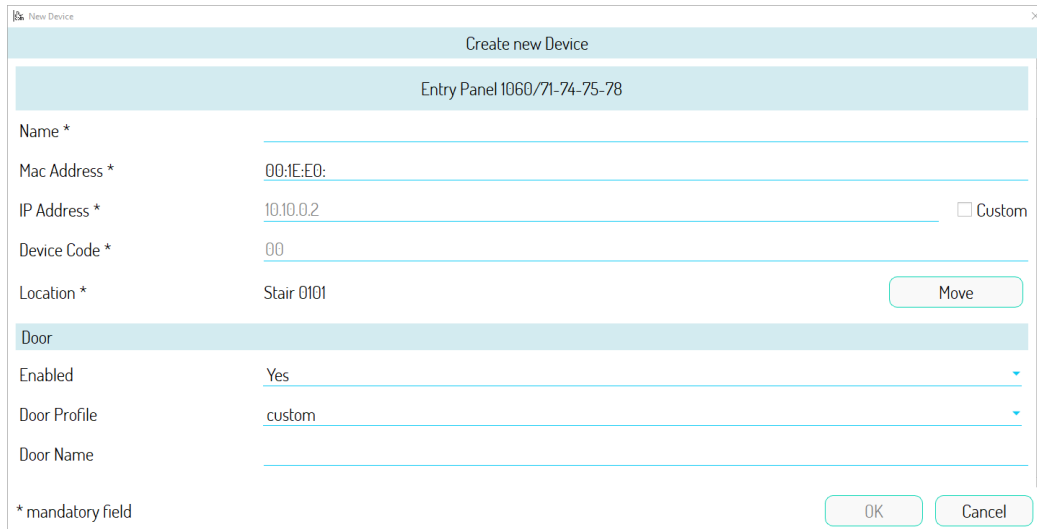
The "*Clean*" button allows you to delete the assignment previously made.

The "*Add*" button in the **Activations** section has already been described in paragraph [Activations](#).



*The address book of the Call Module is automatically created by importing the residents (set as visible) of all apartments in the topology group of the Call Module itself.*

## 13.5 Entry Panel 1060/71-74-75-78



**Create new Device**

Entry Panel 1060/71-74-75-78

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

**Door**

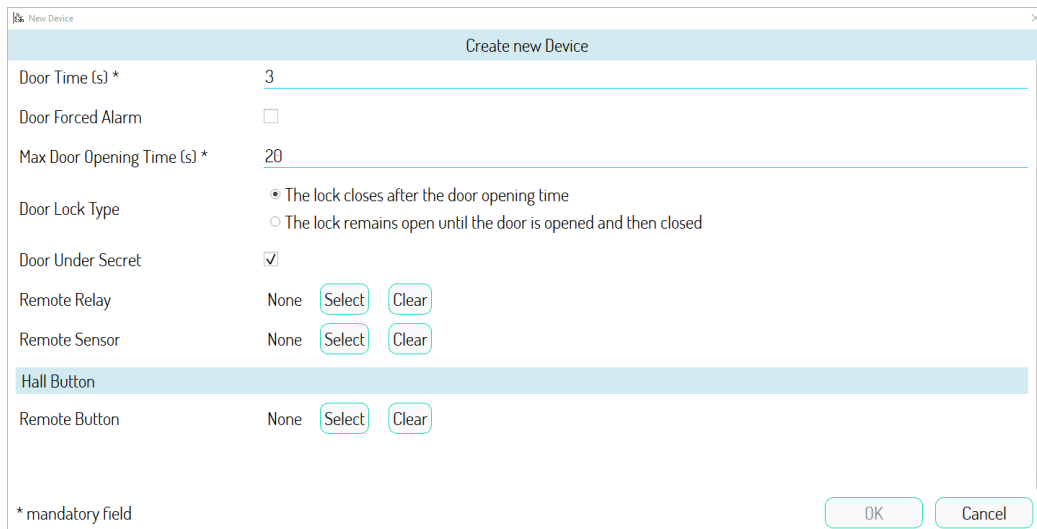
Enabled Yes

Door Profile custom

Door Name

\* mandatory field OK Cancel

Figure 769: configuration parameters for Entry Panel 1060/71-74-75-78 (part 1)



**Create new Device**

Door Time (s) \* 3

Door Forced Alarm ☐

Max Door Opening Time (s) \* 20

Door Lock Type

- ☒ The lock closes after the door opening time
- ☐ The lock remains open until the door is opened and then closed

Door Under Secret ☒

Remote Relay None Select Clear

Remote Sensor None Select Clear

**Hall Button**

Remote Button None Select Clear

\* mandatory field OK Cancel

Figure 770: configuration parameters for Entry Panel 1060/71-74-75-78 (part 2)

**Create new Device**

**Gate**

Enabled No

**Settings**

Button feedback tone [slider]

Call Feedback Tone [slider]

Speakers Volume [slider]

Camera LEDs ☒

Model 1060/71 ☐

**Activations**

Activations 0 defined Add

\* mandatory field

OK Cancel

Figure 771: configuration parameters for Entry Panel 1060/71-74-75-78 (part 3)

**Create new Device**

**RTSP Settings**

RTSP In-Call Stream ☐

**Call Buttons (at least one entry required)**

all apartments - inverted topological order Populate Clear

Position	B	S	F	A	D	Type	Description	Edit	Delete
1									
2									
3									
4									

\* mandatory field

OK Cancel

Figure 772: configuration parameters for Entry Panel 1060/71-74-75-78 (part 4)

**Create new Device**

29									
30									
31									
32									
33									
34									

\* mandatory field

OK Cancel

Figure 773: configuration parameters for Entry Panel 1060/71-74-75-78 (part 5)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<i>Name</i>	Name to assign to the calling station.
<i>MAC Address</i>	MAC address associated with the calling station.
<i>IP Address</i>	IP address associated with the calling station. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<i>Device Code</i>	Value cannot be changed.
<i>Location</i>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.

Table 46: meaning of the general configuration parameters for Entry Panel 1060/71-74-75-78

<b>Door settings (pedestrian door)</b>	
<i>Used</i>	In this case, the item <i>Yes</i> enables the main door: the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the main door. Default value: <i>Yes</i> .
<i>Door Profile (#)</i>	This allows you to associate a previously created door profile with the concerned main door. In this case, the door parameters are automatically compiled (besides the name). Default setting: <i>Custom</i> (parameters must be compiled manually).
<i>Door Name (#)</i>	Name to assign to the main door.
<i>Door Time (s) (#)</i>	Pulse duration on the control relay of the main door. Default value: 3s.
<i>Door Forced Alarm (#)</i>	If selected, if the accessed is forced, the concerned event sends an alarm to the <i>Switchboard</i> .
<i>Max Door Opening Time (s) (#)</i>	The maximum opening time of the door after which an opened door notification is sent to the <i>Switchboard</i> .
<i>Lock type (#)</i>	It allows you to choose the type of lock installed on the main door. See note at the end of the configuration paragraph of the <a href="#">Call Module 1060/12-13-17-18</a> .
<i>Door Under Secret (#)</i>	If selected, by pressing the door opener button (from an indoor station) it is possible to activate the electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the vehicle gate can also be opened outside call mode from the apartments the topological path of which intercepts the <i>Entry Panel</i> . Default value: selected.
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the main door of the <i>Entry panel</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .
<i>Remote Sensor (#)</i>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 47: meaning of the configuration parameters of the main door for Entry Panel 1060/71-74-75-78

<b>Hall button settings</b>	
<i>Remote Button (#)</i>	It allows you to remotely control the entrance hall button that opens the main door of the <i>Call Module</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 48: meaning of the configuration parameters of the hall button for Entry Panel 1060/71-74-75-78

<b>Gate settings</b>	
<i>Used</i>	<p>In this case, the item <i>Yes</i> enables the gate: the following options are shown, marked with a hash mark (#).</p> <p>The item <i>No</i> disables the gate.</p> <p>The item <i>“By door opening”</i> allows you to use the relay contact of the gate to open the main door.</p> <p>The <i>Relay Actuator</i> item allows you to use the gate relay output as the output (only in monostable mode) of a <i>Relay Actuator</i>: in this case the item marked with the symbol (§) appears. For further details see the section <a href="#">Gate contact used as output of a Relay Actuator</a>.</p> <p>Default value: <i>No</i>.</p>
<i>Gate Profile (#)</i>	This allows you to associate a previously created door profile to the concerned vehicle gate. In this case, the door parameters of the gate are automatically compiled (besides the name). Default setting: <i>Custom</i> (parameters must be compiled manually).
<i>Gate Name (#)</i>	Name to assign to the door.
<i>Gate Opening Time (s) (#) (§)</i>	Pulse duration on the control relay. Default value: 3s. Allowed values: from 1s to 90s.
<i>Gate Under Secret (#)</i>	If selected, by pressing the gate button (from an indoor station) it is possible to activate electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the gate can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the gate of the Entry panel. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .

Table 49: meaning of the configuration parameters of the gate for Entry Panel 1060/71-74-75-78

<b>User settings</b>	
<i>Loudspeakers Volume</i>	Loudspeaker volume setting.
<i>Button feedback tone</i>	Audio feedback volume at button press.
<i>Call feedback tone</i>	Feedback volume of forwarded call.
<i>Camera LEDs</i>	Enabling of the camera LEDs.
<i>Model 1060/71</i>	This box must be ticked if you use a calling station with one button.

Table 50: meaning of the user configuration parameters for Entry Panel 1060/71-74-75-78

<b>RTSP In-Call stream settings</b>	
<b>RTSP In-Call stream</b>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<b>IP Address (#)</b>	IP address of calling station camera
<b>Network mask (#)</b>	Subnet mask of RTSP cameras (including calling station camera).
<b>Port</b>	RTSP video stream port. Value not editable.
<b>Stream</b>	Name of the RTSP video stream. Value not editable
<b>User Name (#)</b>	Username to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<b>Password (#)</b>	Password to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<b>URI for Streaming</b>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: <code>rtsp://[&lt;username&gt;:&lt;password&gt;@] &lt;IP address&gt;:&lt;port&gt;/&lt;stream&gt;</code>

Table 51: meaning of the configuration parameters of the RTSP streaming for Entry Panel 1060/71-74-75-78



In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#).



It is possible to configure any Urmet NVR device to record calls made via Entry Panel 1060/71-74-75-78 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IperCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.

The **Call Buttons** section allows associating the apartment stations (or the *Switchboards*) to be called to the call buttons of the *Entry Panel* by pressing on the icon “*Edit*”. The relevant window will open allowing you to:

- set recipient’s name and surname (field “*Name*”), which will appear on the entry panel name tag at the corresponding call button;
- navigate the topological structure of the system and for each topological node choose whether the call button should call one or all apartment stations of the topological node or any *Switchboards* (“*Edit*” button).

The “*Delete*” icon allows you to delete the assignment made before.

In the case of *Entry Panel* 1060/74-75-78, it is possible to associate all buttons from 1 to 34; in fact, the device has 2 buttons as standard, which can be expanded to 32 (for a total of 34) by means of call button add-on modules.

In the case of *Entry Panel* 1060/71, (if the relevant option is selected), call button 1 in the list will be disabled: in fact, the device has only one call button in the basic version (the second in the list), but it is possible to increase the number of call buttons by means of the same call button add-on modules of the *Entry Panel* 1060/74-75-78 (for a total of 33 keys).

The “*Populate*” button allows you to automatically assign all the apartment stations of the apartments of the system to each call button of the *Entry Panel*. The assignment can take place in 4 ways (as per the relevant drop-down menu):

- in topological order,
- in reverse topological order,
- in alphabetical order,
- in reverse alphabetical order.

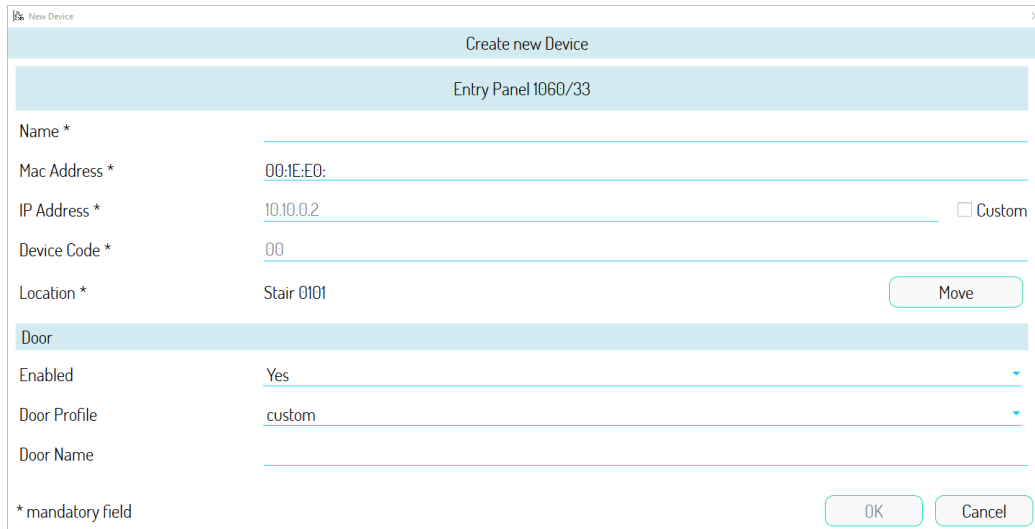
The automatic assignment only concerns apartments in the topological group of the *Entry Panel*.

In this case, the “*Name*” field, automatically filled in with the name given to the apartment, can be edited using the “*Edit*” button.

The “*Delete*” button allows you to delete the assignment previously made.

The “*Add*” button in the **Activations** section has already been described in paragraph [Activations](#).

## 13.6 Entry panel 1060/33



**Create new Device**

Entry Panel 1060/33

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

**Door**

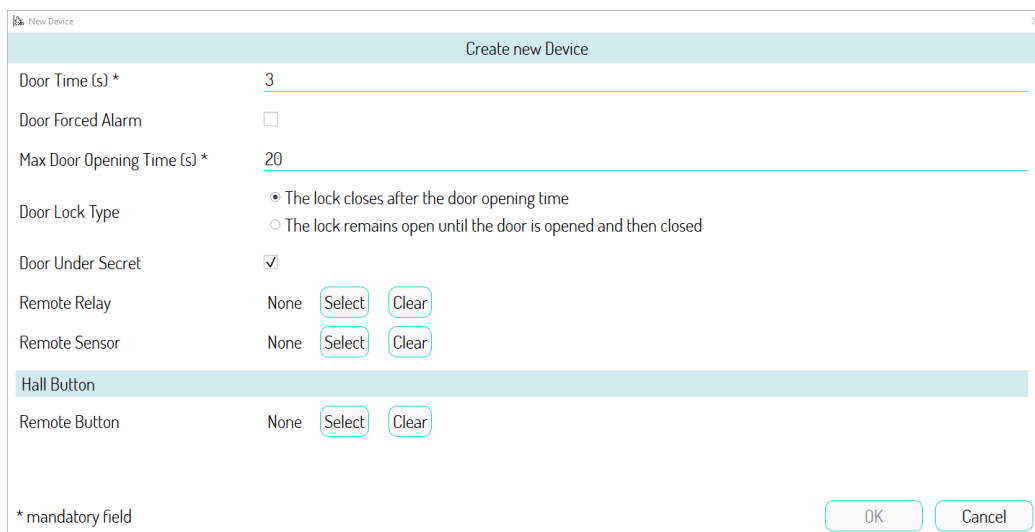
Enabled Yes

Door Profile custom

Door Name

\* mandatory field OK Cancel

Figure 774: configuration parameters for Entry Panel 1060/33 (part 1)



**Create new Device**

Door Time (s) \* 3

Door Forced Alarm ☐

Max Door Opening Time (s) \* 20

Door Lock Type

- ☒ The lock closes after the door opening time
- ☐ The lock remains open until the door is opened and then closed

Door Under Secret ☒

Remote Relay None Select Clear

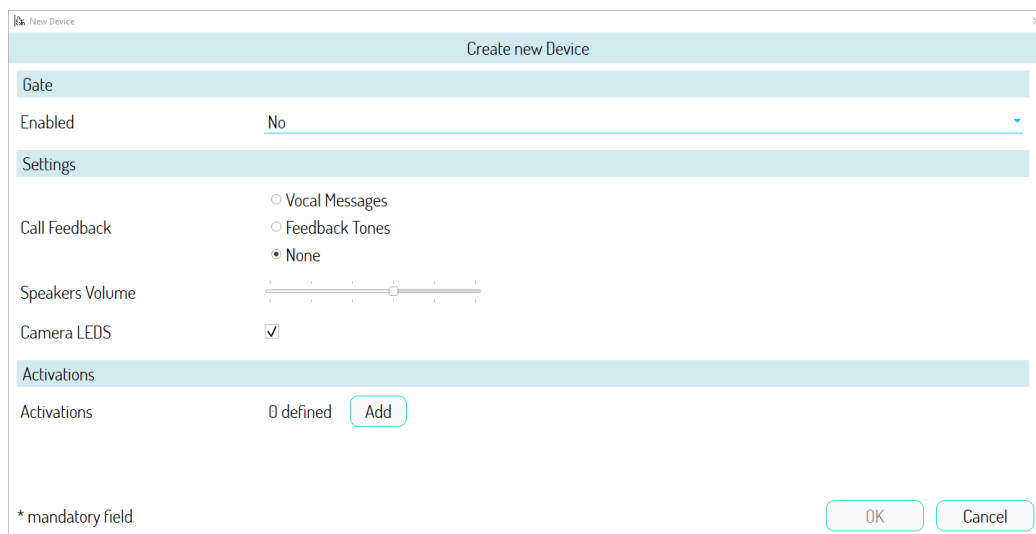
Remote Sensor None Select Clear

**Hall Button**

Remote Button None Select Clear

\* mandatory field OK Cancel

Figure 775: configuration parameters for Entry Panel 1060/33 (part 2)



**Create new Device**

**Gate**

Enabled No

**Settings**

Call Feedback ☐ Vocal Messages  
☐ Feedback Tones  
☒ None

Speakers Volume

Camera LEDs ☒

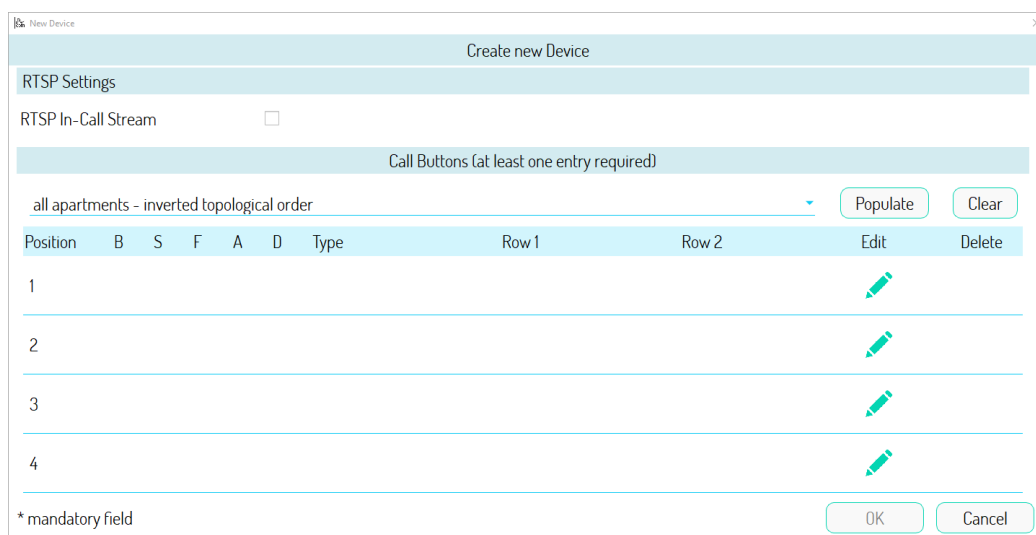
**Activations**

Activations 0 defined Add

\* mandatory field

OK Cancel

Figure 776: configuration parameters for Entry Panel 1060/33 (part 3)



**Create new Device**

**RTSP Settings**

RTSP In-Call Stream ☐

**Call Buttons (at least one entry required)**

all apartments - inverted topological order Populate Clear

Position	B	S	F	A	D	Type	Row 1	Row 2	Edit	Delete
1										
2										
3										
4										

\* mandatory field

OK Cancel

Figure 777: configuration parameters for Entry Panel 1060/33 (part 4)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<i>Name</i>	Name to assign to the calling station.
<i>MAC Address</i>	MAC address associated with the calling station.
<i>IP Address</i>	IP address associated with the calling station. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<i>Device Code</i>	Value not editable.
<i>Location</i>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.

Table 52: meaning of the general configuration parameters for Entry Panel 1060/33

<b>Door settings (pedestrian door)</b>	
<i>Used</i>	In this case, the item <i>Yes</i> enables the main door: the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the main door. Default value: <i>Yes</i> .
<i>Door Profile (#)</i>	It allows you to associate a previously created access profile to the main door in question. In this case the door parameters are automatically filled in (except the name). Default value: <i>customised</i> (the parameters must be filled in manually).
<i>Main Door Name (#)</i>	Name to assign to the main door.
<i>Door Opening Time (s) (#)</i>	Pulse duration on the control relay. Default value: 3 s.
<i>Door Forced Alarm (#)</i>	If selected, if the door is forced, the current event sends an alarm to the <i>Switchboard</i> .
<i>Max Door Opening Time (s) (#)</i>	Maximum door opening time beyond which a warning of opened door is sent to the <i>Switchboard</i> .
<i>Lock type (#)</i>	It allows you to choose the type of lock installed on the main door (see note at the end of the configuration section of the <a href="#">Call Module 1060/12-13-17-18</a> ).
<i>Door Under Secret (#)</i>	If selected, by pressing the door opener button (from an indoor station) it is possible to activate the electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the door can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the main door of the outdoor station. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .
<i>Remote Sensor (#)</i>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 53: meaning of the configuration parameters of the main door for the Entry Panel 1060/33

<b>Hall button settings</b>	
<b>Remote Button (#)</b>	It allows you to remotely control the entrance hall button that opens the main door of the <i>Call Module</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 54: meaning of the configuration parameters of the hall button for the Entry Panel 1060/33

<b>Gate settings</b>	
<b>Used</b>	In this case, the item <i>Yes</i> enables the gate: the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the gate. The item <i>“By door opening”</i> allows you to use the relay contact of the gate to open the main door. The <i>Relay Actuator</i> item allows you to use the gate relay output as the output (only in monostable mode) of a <i>Relay Actuator</i> : in this case the item marked with the symbol (\$) appears. For further details see the section <a href="#">Gate contact used as output of a Relay Actuator</a> . Default value: <i>No</i> .
<b>Gate Profile (#)</b>	It allows you to associate a previously created access profile to the gate in question. In this case the gate parameters are automatically filled in (except the name). Default value: <i>customized</i> (the parameters must be filled in manually).
<b>Gate Name (#)</b>	Name to assign to the gate.
<b>Gate Opening Time (s) (#) (\$)</b>	Pulse duration on the control relay. Default value: 3s. Allowed values: from 1s to 90s.
<b>Gate Under Secret (#)</b>	If selected, by pressing the gate button (from an indoor station) it is possible to activate electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the gate can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<b>Remote Relay (#)</b>	It allows you to remotely control the relay that operates the gate opener of the outdoor station. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .

Table 55: meaning of the configuration parameters of the gate for Entry Panel 1060/33

<b>User settings</b>	
<i>Call Feedback</i>	This allows you to set call feedback via vocal message/sound feedback or to set no call feedback mode (default).
<i>Loudspeaker Volume</i>	Loudspeaker volume setting
<i>Camera LEDs</i>	Enabling of the camera LEDs. Default value: selected.

Table 56: meaning of the user configuration parameters for Entry Panel 1060/33

<b>RTSP In-Call stream settings</b>	
<i>RTSP In-Call stream</i>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<i>IP Address (#)</i>	IP address of calling station camera
<i>Network mask (#)</i>	Subnet mask of RTSP cameras (including calling station camera).
<i>Port</i>	RTSP video stream port. Value not editable.
<i>Stream</i>	Name of the RTSP video stream. Value not editable
<i>User Name (#)</i>	Username to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>Password (#)</i>	Password to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>URI for Streaming</i>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: <code>rtsp://[&lt;username&gt;:&lt;password&gt;@] &lt;IP address&gt;:&lt;port&gt;/&lt;stream&gt;</code>

Table 57: meaning of the configuration parameters of the RTSP streaming for Entry Panel 1060/33



In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#).



It is possible to configure any Urmet NVR device to record calls made via Entry Panel 1060/33 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IPerCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.

The "Add" button in the **Activations** section has already been described in paragraph [Activations](#).

The "Call Keys" section allows associating the indoor stations (or the *Switchboards*) to be called to the 4 keys of the *Outdoor Station* by pressing on the icon "Modification". The relevant window will open allowing you to:

- set recipient's name and surname (fields "Name" and "Name2"), which will appear on the display of the *Outdoor Station* at the corresponding call key;
- navigate the topological structure of the system and for each topological node choose whether the key should call one or all indoor stations of the topological node or any *Switchboards* ("Modification" button).

The "Delete" icon allows you to delete the assignment made before.

The "Populate" button allows you to automatically assign all the indoor stations of the apartments of the system to each call key of the *Outdoor Station*. The assignment can take place in 4 ways (as per the relevant drop-down menu):

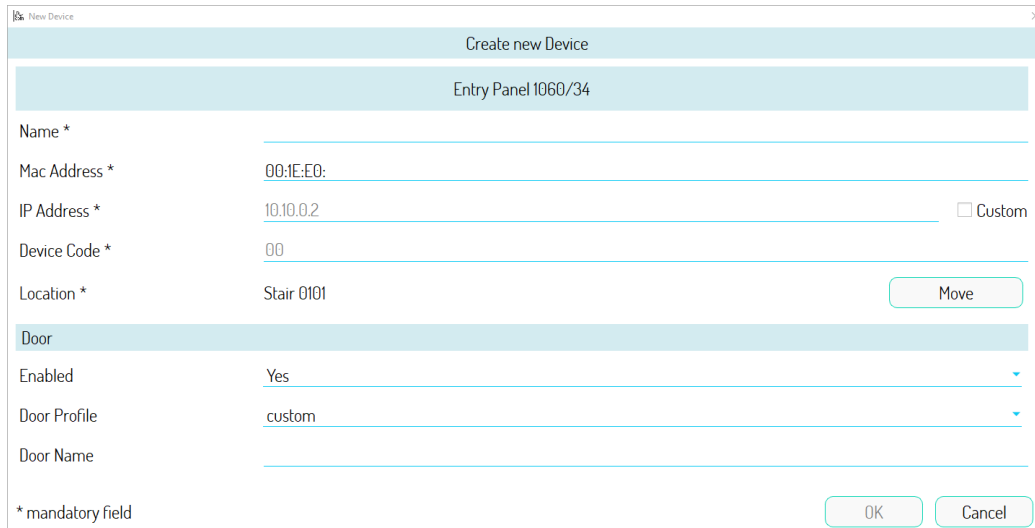
- in topological order,
- in reverse topological order,
- in alphabetical order,
- in reverse alphabetical order.

The automatic assignment only concerns apartments in the topological group of the *Outdoor Station*.

In this case, the "Name" field, automatically filled in with the name given to the apartment, can be edited using the "Modification" button.

The "Clean" button allows you to delete the assignment previously made.

## 13.7 Entry panel 1060/34



**Create new Device**

Entry Panel 1060/34

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

**Door**

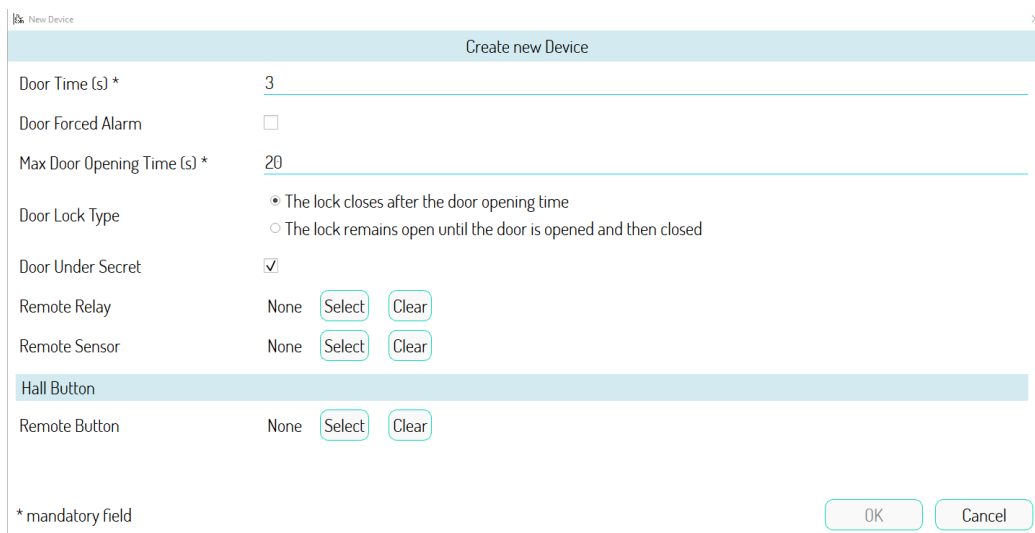
Enabled Yes

Door Profile custom

Door Name

\* mandatory field OK Cancel

Figure 778: configuration parameters for Entry Panel 1060/34 (part 1)



**Create new Device**

Door Time (s) \* 3

Door Forced Alarm ☐

Max Door Opening Time (s) \* 20

Door Lock Type

- ☒ The lock closes after the door opening time
- ☐ The lock remains open until the door is opened and then closed

Door Under Secret ☒

Remote Relay None Select Clear

Remote Sensor None Select Clear

**Hall Button**

Remote Button None Select Clear

\* mandatory field OK Cancel

Figure 779: configuration parameters for Entry Panel 1060/34 (part 2)

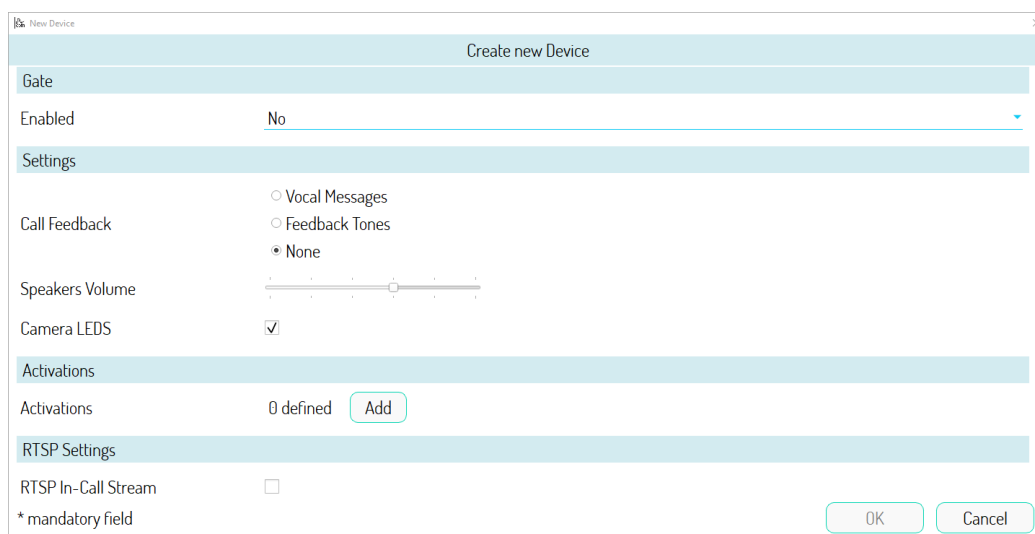


Figure 780: configuration parameters for Entry Panel 1060/34 (part 3)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<b>Name</b>	Name to assign to the calling station.
<b>MAC Address</b>	MAC address associated with the calling station.
<b>IP Address</b>	IP address associated with the calling station. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the device to another topological node by pressing the "Move" button.

Table 58: meaning of the general configuration parameters for Entry Panel 1060/34

<b>Door settings (pedestrian door)</b>	
<i>Used</i>	In this case, the item <i>Yes</i> enables the main door: the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the main door. Default value: <i>Yes</i> .
<i>Door Profile (#)</i>	It allows you to associate a previously created access profile to the main door in question. In this case the door parameters are automatically filled in (except the name). Default value: <i>customized</i> (the parameters must be filled in manually).
<i>Main Door Name (#)</i>	Name to assign to the main door.
<i>Door Opening Time (s) (#)</i>	Pulse duration on the control relay. Default value: 3 s.
<i>Door Forced Alarm (#)</i>	If selected, if the door is forced, the current event sends an alarm to the <i>Switchboard</i> .
<i>Max Door Opening Time (s) (#)</i>	Maximum door opening time beyond which a warning of opened door is sent to the <i>Switchboard</i> .
<i>Lock type (#)</i>	It allows you to choose the type of lock installed on the main door (see note at the end of the configuration section of the <a href="#">Call Module 1060/12-13-17-18</a> ).
<i>Door Under Secret (#)</i>	If selected, by pressing the door opener button (from an indoor station), it is possible to activate the electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the door can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the main door of the outdoor station. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .
<i>Remote Entrance Hall Button (#)</i>	It allows you to remotely control the entrance hall button that opens the main door of the outdoor station. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .
<i>Remote Sensor (#)</i>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 59: meaning of the configuration parameters of the main door for the Entry Panel 1060/34

<b>Hall button settings</b>	
<i>Remote Button (#)</i>	It allows you to remotely control the entrance hall button that opens the main door of the <i>Call Module</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 60: meaning of the configuration parameters of the hall button for the Entry Panel 1060/34

<b>Gate settings</b>	
<i>Used</i>	In this case, the item <i>Yes</i> enables the gate: the following options are shown, marked with a hash mark (#). The item <i>No</i> disables the gate. The item <i>“By door opening”</i> allows you to use the relay contact of the gate to open the main door. The <i>Relay Actuator</i> item allows you to use the gate relay output as the output (only in monostable mode) of a <i>Relay Actuator</i> : in this case the item marked with the symbol (§) appears. For further details see the section <a href="#">Gate contact used as output of a Relay Actuator</a> . Default value: <i>No</i> .
<i>Gate Profile (#)</i>	It allows you to associate a previously created access profile to the gate in question. In this case the gate parameters are automatically filled in (except the name). Default value: <i>customised</i> (the parameters must be filled in manually).
<i>Gate Name (#)</i>	Name to assign to the gate.
<i>Gate Opening Time (s) (#) (§)</i>	Pulse duration on the control relay. Default value: 3s. Allowed values: from 1s to 90s.
<i>Gate Under Secret (#)</i>	If selected, by pressing the gate button (from an indoor station) it is possible to activate electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the gate can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.

Table 61: meaning of the configuration parameters of the gate for Entry Panel 1060/34

<b>User settings</b>	
<i>Call Feedback</i>	This allows you to set call feedback via vocal message/sound feedback or to set no call feedback mode (default).
<i>Loudspeaker Volume</i>	Loudspeaker volume setting.
<i>Camera LEDs</i>	Enabling of the camera LEDs. Default value: selected.

Table 62: meaning of the user configuration parameters for Entry Panel 1060/34

<b>RTSP In-Call stream settings</b>	
<b>RTSP In-Call stream</b>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<b>IP Address (#)</b>	IP address of calling station camera
<b>Network mask (#)</b>	Subnet mask of RTSP cameras (including calling station camera).
<b>Port</b>	RTSP video stream port. Value not editable.
<b>Stream</b>	Name of the RTSP video stream. Value not editable.
<b>User Name (#)</b>	Username to access the calling station RTSP video stream from the Switchboard application.
<b>Password (#)</b>	Password to access the calling station RTSP video stream from the Switchboard application.
<b>URI for Streaming</b>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: rtsp://[<username>:<password>@] <IP address>:<port>/<stream>

Table 63: meaning of the configuration parameters of the RTSP streaming for Entry Panel 1060/34



In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#).



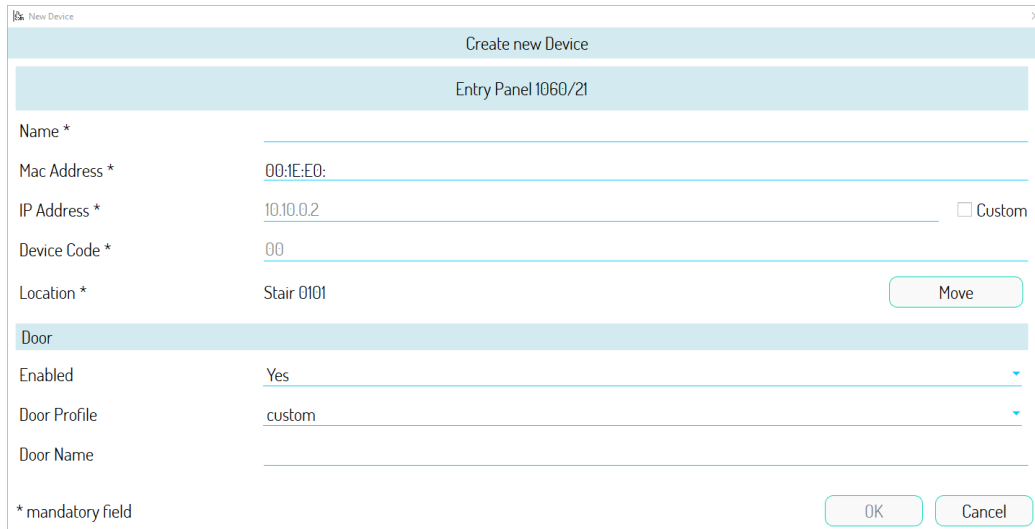
It is possible to configure any Urmet NVR device to record calls made via Entry Panel 1060/34 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IperCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.

The "Add" button in the "Activations" section has already been described in the paragraph [Activations](#).



The address book of the Entry Panel is automatically created by importing the residents (set as visible) of all the apartments of the topological group of the Entry Panel itself.

## 13.8 Entry Panel 1060/21



**Create new Device**

Entry Panel 1060/21

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

**Door**

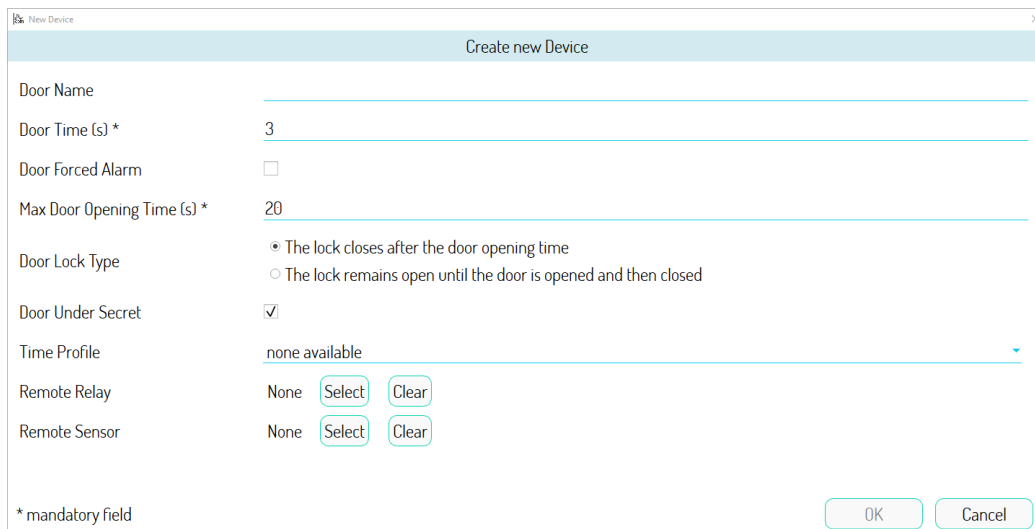
Enabled Yes

Door Profile custom

Door Name

\* mandatory field OK Cancel

Figure 781: configuration parameters for Entry Panel 1060/21 (part 1)



**Create new Device**

Door Name

Door Time (s) \* 3

Door Forced Alarm ☐

Max Door Opening Time (s) \* 20

Door Lock Type

- ☒ The lock closes after the door opening time
- ☐ The lock remains open until the door is opened and then closed

Door Under Secret ☒

Time Profile none available

Remote Relay None Select Clear

Remote Sensor None Select Clear

\* mandatory field OK Cancel

Figure 782: configuration parameters for Entry Panel 1060/21 (part 2)

Figure 783: configuration parameters for Entry Panel 1060/21 (part 3)

Figure 784: configuration parameters for Entry Panel 1060/21 (part 4)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<b>Name</b>	Name to assign to the calling station.
<b>MAC address</b>	MAC address associated with the calling station.
<b>IP address</b>	IP address associated with the calling station. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<b>Device code</b>	Read-only value.
<b>Position</b>	Position in system topology. The device can be moved to another topological node by pressing the “Move” button.

Table 64: meaning of the general configuration parameters for Entry Panel 1060/21

<b>Door settings (pedestrian door)</b>	
<i>Used</i>	The item “Yes” enables the main door: in this case the following options are shown, marked with a hash mark (#). The item “No” disables the main door. Default value: “Yes”.
<i>Door Profile (#)</i>	This allows you to associate a previously created door profile with the concerned main door. In this case, the door parameters are automatically compiled (besides the name). Default setting: <i>Custom</i> (parameters must be compiled manually).
<i>Access Name (#)</i>	Name to assign to the main door.
<i>Gate Opening Time (s) (#) (§)</i>	Pulse duration on the control relay. Default value: 3s. Allowed values: from 1s to 90s.
<i>Forced Door Alarm (#)</i>	If selected, if the access is forced, the concerned event sends an alarm to the <i>Switchboard</i> .
<i>Max Door Opening Time (s) (#)</i>	The maximum opening time of the door after which an open-door notification is sent to the <i>Switchboard</i> .
<i>Lock type (#)</i>	It allows you to choose the type of lock installed on the main door (see note at the end of the configuration section of the <a href="#">Call Module 1060/12-13-17-18</a> ).
<i>Door Under Secret (#)</i>	If selected, by pressing the door opener button (from an indoor station) it is possible to activate the electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the door can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<i>Time Profile (#)</i>	Allows you to associate a time profile with the main door. Access will only be valid within the selected time profile. Default setting: <i>none</i> .
<i>Remote Relay (#)</i>	It allows you to remotely control the relay that operates the main door of the <i>Entry panel</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .
<i>Remote Sensor</i>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 65: meaning of the configuration parameters of the main door for the Entry Panel 1060/21

<b>Hall Button Settings</b>	
<b>Remote Button (#)</b>	It allows you to remotely control the entrance hall button that opens the main door of the <i>Entry Panel</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 66: meaning of the configuration parameters of the hall button for the Entry Panel 1060/21

<b>Gate settings</b>	
<b>Used</b>	In this case, the item Yes enables the gate: the following options are shown, marked with a hash mark (#). The item No disables the gate. The item “By door opening” allows you to use the relay contact of the gate to open the main door. The <i>Relay Actuator</i> item allows you to use the gate relay output as the output (only in monostable mode) of a <i>Relay Actuator</i> : in this case the item marked with the symbol (\$) appears. For further details see the section <a href="#">Gate contact used as output of a Relay Actuator</a> . Default value: No.
<b>Gate Profile (#)</b>	This allows you to associate a previously created door profile to the concerned gate. In this case, the gate parameters are automatically compiled (besides the name). Default setting: <i>Custom</i> (parameters must be compiled manually).
<b>Gate Name (#)</b>	Name to assign to the gate.
<b>Gate Opening Time (s) (#)</b>	Control relay pulse time. Default setting: 3s.
<b>Gate Under Secret (#)</b>	If selected, by pressing the gate button (from an indoor station) it is possible to activate electric lock of the outdoor station only when the caller is in conversation or is waiting for a response. If not selected, the gate can also be opened outside the call phase from all the apartments where the topological path detects the outdoor station. Default value: selected.
<b>Remote Relay (#)</b>	It allows you to remotely control the relay that operates the gate of the Entry panel. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .

Table 67: meaning of the configuration parameters of the gate for Entry Panel 1060/21

<b>User settings</b>	
<b>Speakers Volume</b>	Loudspeaker volume setting.
<b>Keyboard feedback tone</b>	Sound feedback volume when buttons are pressed.
<b>Call feedback tone</b>	Call feedback volume.
<b>Camera LED</b>	To enable the lighting LED of the camera.

Table 68: meaning of the user configuration parameters for Entry Panel 1060/21

<b>RTSP In-Call stream settings</b>	
<b>RTSP In-Call stream</b>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<b>IP Address (#)</b>	IP address of calling station camera
<b>Network mask (#)</b>	Subnet mask of RTSP cameras (including calling station camera).
<b>Port</b>	RTSP video stream port. Value not editable.
<b>Stream</b>	Name of the RTSP video stream. Value not editable
<b>User Name (#)</b>	Username to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<b>Password (#)</b>	Password to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<b>URI for Streaming</b>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: <code>rtsp://[&lt;username&gt;:&lt;password&gt;@] &lt;IP address&gt;:&lt;port&gt;/&lt;stream&gt;</code>

Table 69: meaning of the configuration parameters of the RTSP streaming for Entry Panel 1060/21



In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IPerCom system](#).



It is possible to configure any Urmet NVR device to record calls made via Entry Panel 1060/21 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IPerCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.

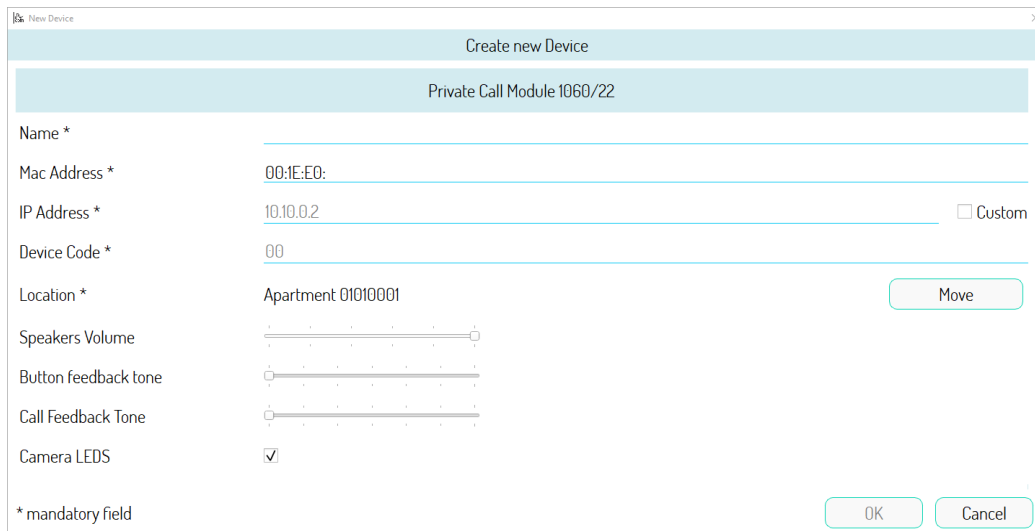
The “*Call Buttons*” section allows associating the apartment stations or the *Switchboards* to be called to the only key of the *Entry panel* by browsing the topological structure of the system through the “*Edit*” button.

The assignment takes place in the same way as stated (for example) for *Entry panel* 1060/33.

The “*Add*” button in the **Activations** section has already been described in paragraph [Activations](#).

**If the 1060/21 calling station is part of a villa kit system in IPerCloud mode (that is, it is configured directly by scanning a QR-code with the *CallMe* app), some configuration parameters are different from the screens shown above. In detail, the gate is enabled with a relay opening duration set to 3s while the “Name” field is “MIKRA”.**

## 13.9 Private Call Module 1060/22



**Create new Device**

Private Call Module 1060/22

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Apartment 01010001 Move

Speakers Volume

Button feedback tone

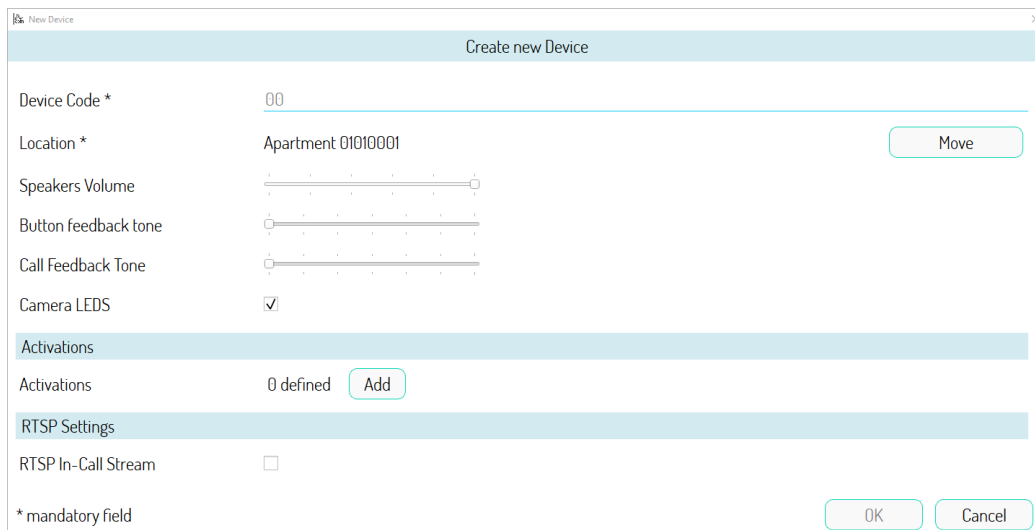
Call Feedback Tone

Camera LEDS ☒

\* mandatory field

OK Cancel

Figure 785: configuration parameters for Private Call Module 1060/22 (part 1)



**Create new Device**

Device Code \* 00

Location \* Apartment 01010001 Move

Speakers Volume

Button feedback tone

Call Feedback Tone

Camera LEDS ☒

**Activations**

Activations 0 defined Add

**RTSP Settings**

RTSP In-Call Stream ☐

\* mandatory field

OK Cancel

Figure 786: configuration parameters for Private Call Module 1060/22 (part 2)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<i>Name</i>	Name to assign to the calling station.
<i>MAC address</i>	MAC address associated with the calling station.
<i>IP address</i>	IP address associated with the calling station. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<i>Device code</i>	Read-only value.
<i>Position</i>	Position in system topology. The device can be moved to another topological node (only apartments) by pressing the “Move” button.
<i>Speakers Volume</i>	Speaker sound level.
<i>Keyboard feedback tone</i>	Sound feedback volume when buttons are pressed.
<i>Call feedback tone</i>	Call feedback volume.
<i>Camera LED</i>	To enable the lighting LED of the camera.

Table 70: meaning of the general configuration parameters for Private Call Module 1060/22

<b>RTSP In-Call stream settings</b>	
<i>RTSP In-Call stream</i>	If selected, the <i>Switchboard</i> application can display the RTSP video stream of the calling station during the call to an apartment station or during the auto-on from an apartment station. Fields marked with the hash mark (#) must be filled correctly.
<i>IP Address (#)</i>	IP address of calling station camera
<i>Network mask (#)</i>	Subnet mask of RTSP cameras (including calling station camera).
<i>Port</i>	RTSP video stream port. Value not editable.
<i>Stream</i>	Name of the RTSP video stream. Value not editable
<i>User Name (#)</i>	Username to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>Password (#)</i>	Password to access the calling station RTSP video stream from the <i>Switchboard</i> application.
<i>URI for Streaming</i>	Full URI of the RTSP video stream. Value not editable. It is built automatically by filling in the fields above respecting the following syntax: <code>rtsp://[&lt;username&gt;:&lt;password&gt;@] &lt;IP address&gt;:&lt;port&gt;/&lt;stream&gt;</code>

Table 71: meaning of the configuration parameters of the RTSP streaming for Private Call Module 1060/22



*In the RTSP streaming settings to set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#).*



*It is possible to configure any Urmet NVR device to record calls made via Entry Panel 1060/22 and related auto-on activated by video door phone. In [APPENDIX I: Streaming video from IPerCom calling stations to NVR Urmet](#) the configuration procedure of the **1098/328P** Urmet NVR device is shown. For the configurations of the other Urmet NVR devices contact the Urmet Service Centre.*

The “Add” button in the **Activations** section has already been described in paragraph [Activations](#).

## 13.10 Switchboard 1060/41

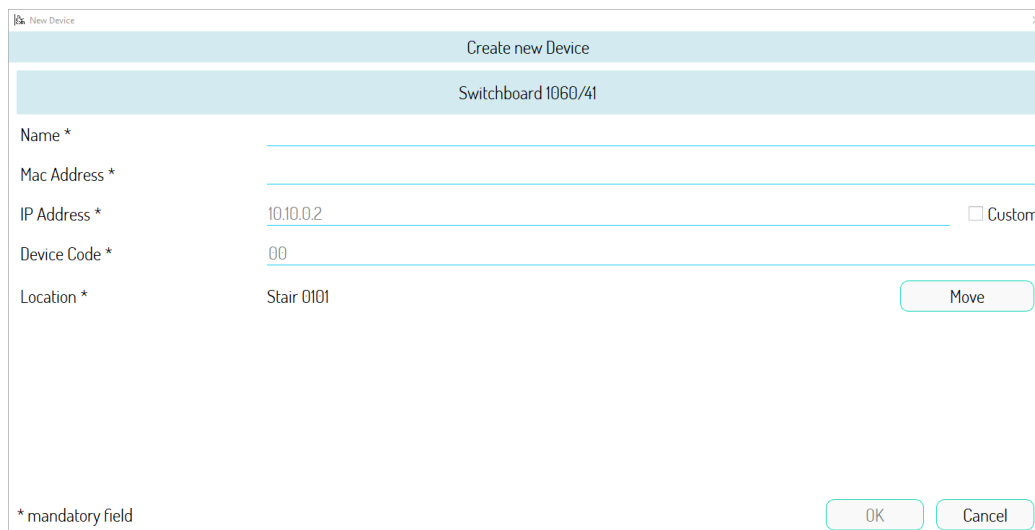


Figure 787: configuration parameters for Switchboard 1060/41

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the switchboard.
<b>MAC Address</b>	MAC address associated with the PC on which the switchboard application is installed.
<b>IP Address</b>	IP address associated with the PC on which the <i>Switchboard</i> application is installed. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the “ <a href="#">CUSTOM NETWORK SETTINGS</a> ” section.
<b>Device Code</b>	Value that cannot be changed.
<b>Location</b>	Position in the system topology: it is possible to move the <i>Switchboard</i> to another topological node by pressing the “Move” button.

Table 72: meaning of the general configuration parameters for Switchboard 1060/41

If there are two or more *Switchboard* applications on the same node, the following screen page will appear:

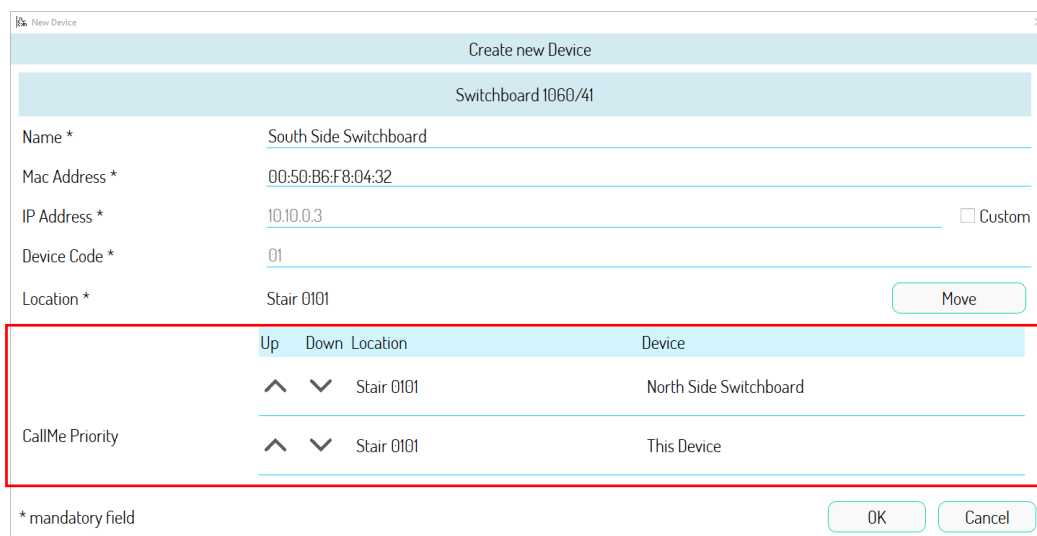


Figure 788 shows the configuration parameters for Switchboard 1060/41. The window is titled 'Create new Device' and contains the following fields:

- Name \*: South Side Switchboard
- Mac Address \*: 00:50:B6:F8:04:32
- IP Address \*: 10.10.0.3 ☐ Custom
- Device Code \*: 01
- Location \*: Stair 0101



The 'CallMe Priority' section is highlighted with a red box and contains the following table:

Up	Down	Location	Device
^	v	Stair 0101	North Side Switchboard
^	v	Stair 0101	This Device

\* mandatory field

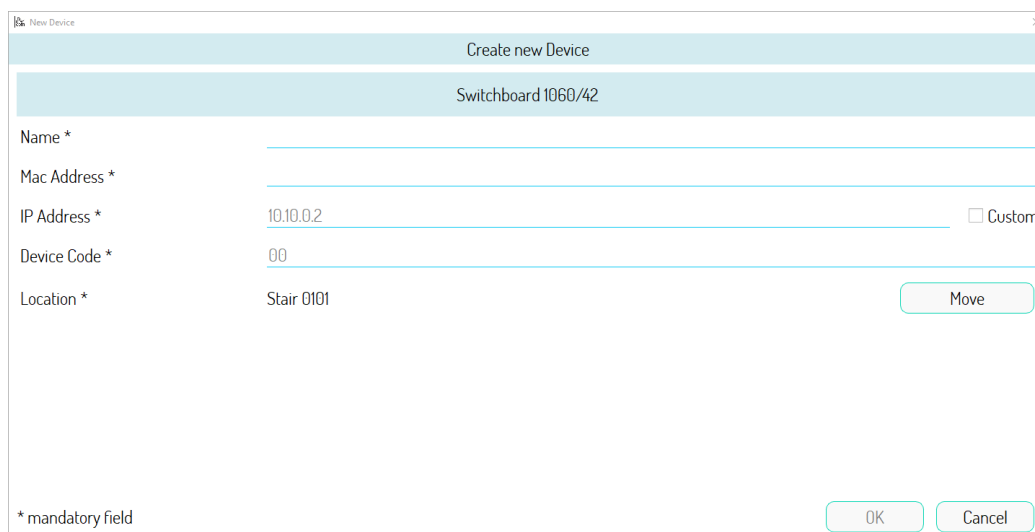
OK Cancel

Figure 788: configuration parameters for Switchboard 1060/41

The buttons  and  in the "CallMe Priority" section allow you to move the *Switchboard* applications (located on node "Stair 0101") up or down (as position in the list).

This function is useful in the case of a call to "competence Switchboards" or to "all Switchboards", if each *Switchboard* has the call forwarding function enabled (for further details see the paragraph [APPENDIX S: Call to several Switchboard applications each linked to a CallMe app](#)).

## 13.11 Switchboard 1060/42



**Create new Device**

Switchboard 1060/42

Name \*

Mac Address \*

IP Address \* 10.10.0.2 ☐ Custom

Device Code \* 00

Location \* Stair 0101 Move

\* mandatory field

OK Cancel

Figure 789: configuration parameters for Switchboard 1060/42

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the switchboard.
<b>MAC Address</b>	MAC address of switchboard device.
<b>IP Address</b>	IP address of <i>Switchboard</i> device. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value that cannot be changed.
<b>Location</b>	Position in the system topology: it is possible to move the <i>Switchboard</i> device to another topological node by pressing the "Move" button.

Table 73: meaning of the general configuration parameters for Switchboard 1060/42

If there are two or more *Switchboard* devices on the same node, the following screen page will appear:

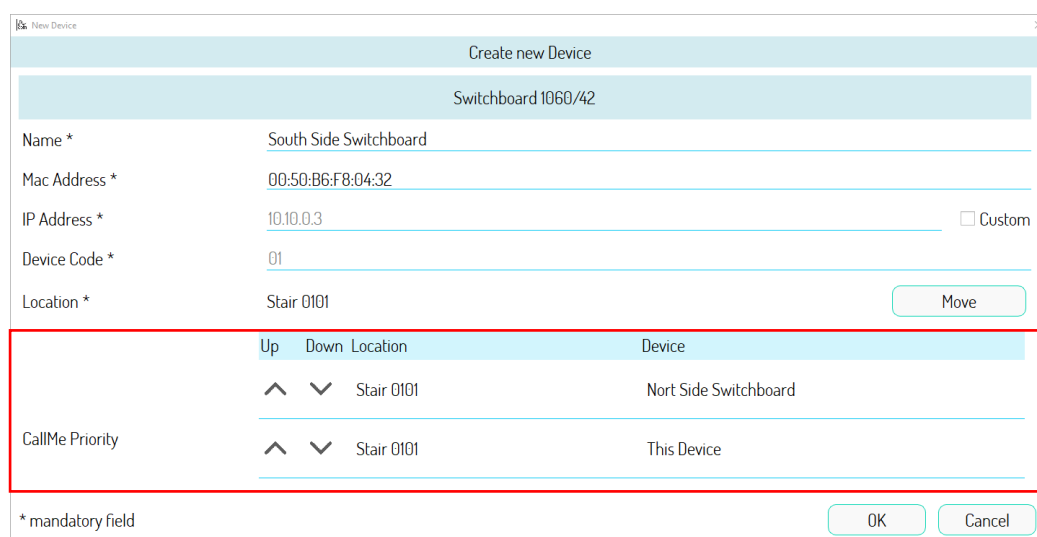


Figure 790 shows the configuration parameters for Switchboard 1060/42. The window is titled "Create new Device" and contains the following fields:

- Name \*: South Side Switchboard
- Mac Address \*: 00:50:B6:F8:04:32
- IP Address \*: 10.10.0.3 ☐ Custom
- Device Code \*: 01
- Location \*: Stair 0101



The "CallMe Priority" section is highlighted with a red box and contains the following table:

Up	Down	Location	Device
^	v	Stair 0101	Nort Side Switchboard
^	v	Stair 0101	This Device

\* mandatory field

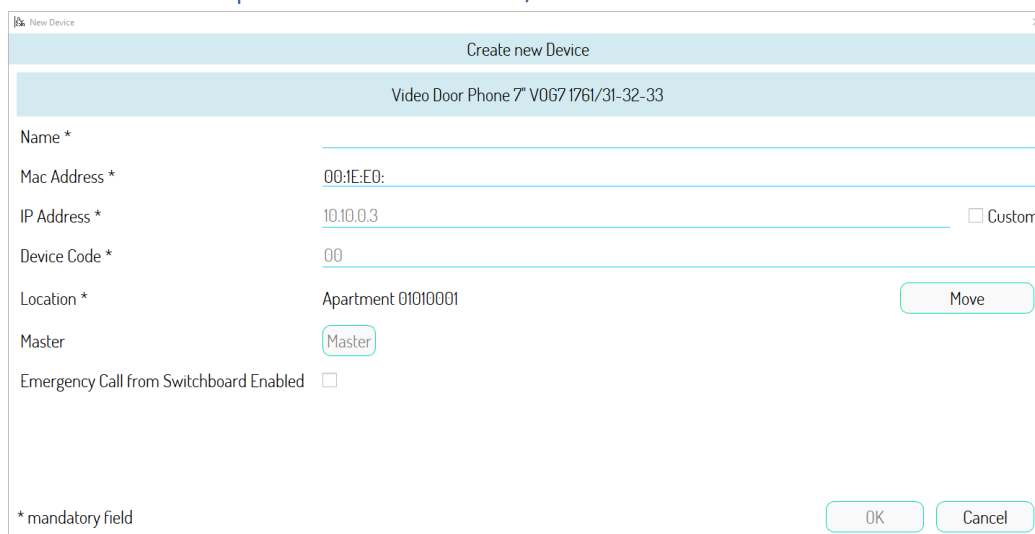
OK Cancel

Figure 790: configuration parameters for Switchboard 1060/42

The buttons  and  in the "CallMe Priority" section allow you to move the *Switchboard* devices (located on node "Stair 0101") up or down (as position in the list).

This function is useful in the case of a call to "*competence Switchboards*" or to "*all Switchboards*", if each *Switchboard* has the call forwarding function enabled (for further details see the paragraph [APPENDIX S: Call to several Switchboard applications each linked to a CallMe app](#)).

## 13.12 Video door phone 7" VOG<sup>7</sup> 1761/31-32-33



The screenshot shows a 'Create new Device' window for a 'Video Door Phone 7" VOG<sup>7</sup> 1761/31-32-33'. The form includes the following fields and controls:

- Name \***: A text input field.
- Mac Address \***: A text input field with the value '00:1E:E0:'.
- IP Address \***: A text input field with the value '10.10.0.3' and a 'Custom' checkbox.
- Device Code \***: A text input field with the value '00'.
- Location \***: A text input field with the value 'Apartment 01010001' and a 'Move' button.
- Master**: A button labeled 'Master'.
- Emergency Call from Switchboard Enabled**: A checkbox.

At the bottom, there is a note '\* mandatory field' and 'OK' and 'Cancel' buttons.

Figure 791: configuration parameters for Video Door Phone 1761/31-32-33

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <b>CUSTOM NETWORK SETTINGS</b> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 74: meaning of the general configuration parameters for Video Door Phone 1761/31-32-33



If a video door phone 1761/6 is added to an apartment with video door phone 1761/3x, the 1761/6 video door phone cannot be configured as master.

### 13.13 Video door phone 7" VOG<sup>7</sup> 1761/31U-33U



The screenshot shows a 'Create new Device' window for a 'Video Door Phone 7" VOG<sup>7</sup> 1761/31U-33U'. The form contains the following fields and controls:

- Name \***: A text input field.
- Mac Address \***: A text input field with the value '00:1E:E0:'.
- IP Address \***: A text input field with the value '10.10.0.3' and a 'Custom' checkbox.
- Device Code \***: A text input field with the value '00'.
- Location \***: A text input field with the value 'Apartment 01010001' and a 'Move' button.
- Master**: A button labeled 'Master'.
- Emergency Call from Switchboard Enabled**: A checkbox.

At the bottom left, there is a note: '\* mandatory field'. At the bottom right, there are 'OK' and 'Cancel' buttons.

Figure 792: configuration parameters for Video Door Phone 1761/31U-33U

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 75: meaning of the general configuration parameters for Video Door Phone 1761/31U-33U



If a video door phone 1761/6 is added to an apartment with video door phone 1761/3xU, the 1761/6 video door phone cannot be configured as master.

## 13.14 Video door phone 10" 1761/23

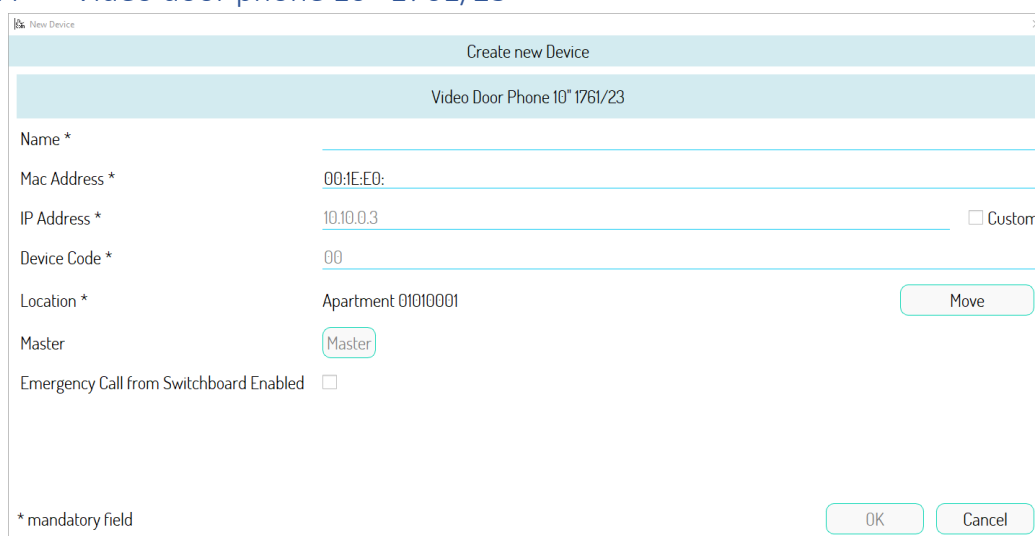


Figure 793: configuration parameters for Video Door Phone 1761/23

The following table shows the meaning of the above configuration parameters.

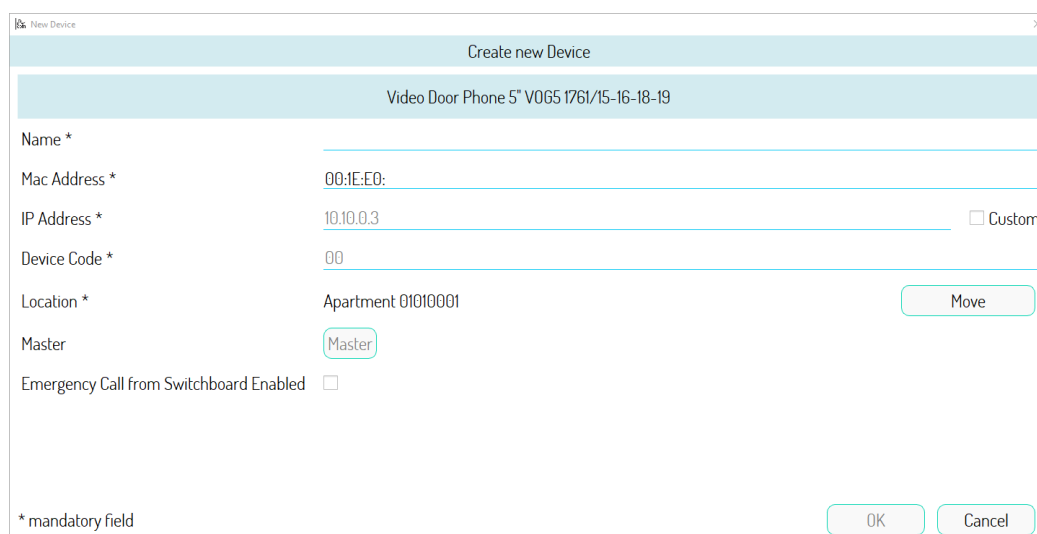
<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 76: meaning of the general configuration parameters for Video Door Phone 1761/23



If a video door phone 1761/6 is added to an apartment with video door phone 1761/23, the 1761/6 video door phone cannot be configured as master.

## 13.15 Video door phone 5" VOG<sup>5+</sup> 1761/15-16-18-19



The screenshot shows a 'Create new Device' window for a 'Video Door Phone 5" VOG<sup>5+</sup> 1761/15-16-18-19'. The fields are as follows:

- Name \***: (empty text field)
- Mac Address \***: 00:1E:EQ:
- IP Address \***: 10.10.0.3, with a ☐ Custom checkbox.
- Device Code \***: 00
- Location \***: Apartment 01010001, with a **Move** button.
- Master**: Master (highlighted with a green box)
- Emergency Call from Switchboard Enabled**: ☐

At the bottom, there is a legend: \* mandatory field, and two buttons: OK and Cancel.

Figure 794: configuration parameters for Video Door Phone 1761/15-16-18-19

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <b>CUSTOM NETWORK SETTINGS</b> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 77: meaning of the general configuration parameters for Video Door Phone 1761/15-16-18-19



*If the video door phone 1761/6 is added to an apartment with video door phone VOG<sup>5+</sup> 1761/15-16-18-19, the 1761/6 cannot be configured as master.*

## 13.16 Video door phone 5" VOG<sup>5+</sup> 1761/15U-16U

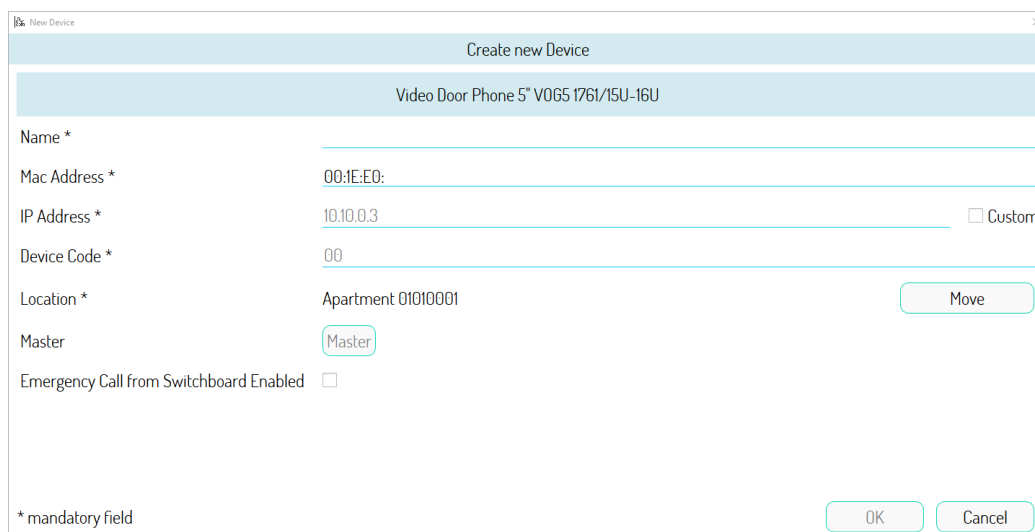


Figure 795: configuration parameters for Video Door Phone 1761/15U-16U

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 78: meaning of the general configuration parameters for Video Door Phone 1761/15U-16U



If the video door phone 1761/6 is added to an apartment with video door phone VOG<sup>5+</sup> 1761/15U-16U the 1761/6 cannot be configured as master.

## 13.17 Video door phone 5" VOG<sup>5</sup> 1761/6



**Create new Device**

Video Door Phone 5" VOG5 1761/6

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.3 ☐ Custom

Device Code \* 00

Location \* Apartment 01010001 Move

Button T1 used for Gate Open

Button T2 used for User Activation

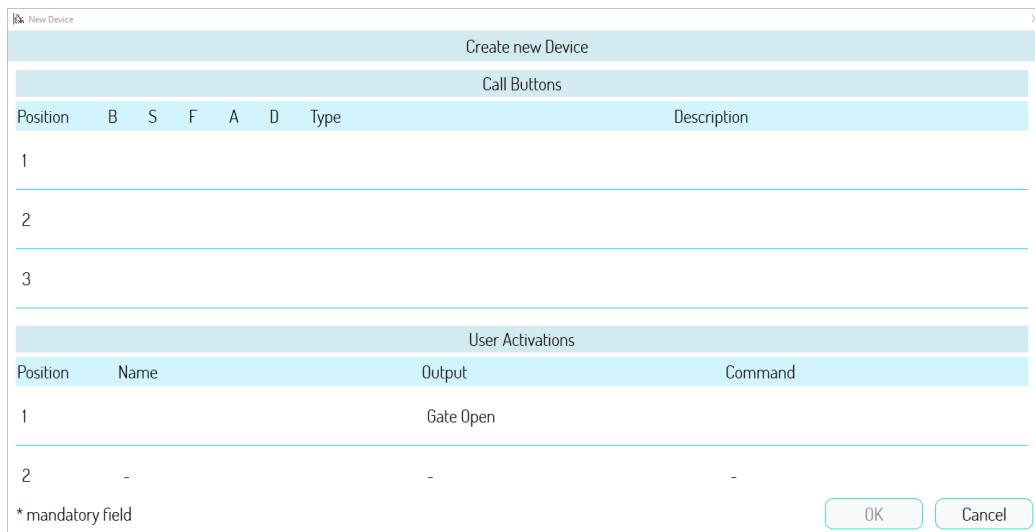
Master Master

Emergency Call from Switchboard Enabled ☐

\* mandatory field

OK Cancel

Figure 796: configuration parameters for Video Door Phone 1761/6 (part 1)



**Create new Device**

Call Buttons

Position	B	S	F	A	D	Type	Description
1							
2							
3							

User Activations

Position	Name	Output	Command
1		Gate Open	
2	-	-	-

\* mandatory field

OK Cancel

Figure 797: configuration parameters for Video Door Phone 1761/6 (part 2)

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<i>Name</i>	Name to assign to the video door phone.
<i>MAC Address</i>	MAC address associated with the video door phone.
<i>IP Address</i>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <b>CUSTOM NETWORK SETTINGS</b> " section.
<i>Device Code</i>	Value not editable.
<i>Location</i>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<i>Master</i>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<i>Emergency Call from Switchboard Enabled</i>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 79: meaning of the general configuration parameters for Video Door Phone 1761/6



*If there are other video door phones in the same apartment, the video door phone 1761/6 cannot be configured as master (other video door phones are video door phones other than the 1761/6). On the contrary, the 1761/6 is a master video door phone in the presence of Miro door phones or in the presence of other video door phones 1761/6.*

The "Call buttons" section shows the list of contacts associated to buttons T1, T2 and T3 of the video door phone (see paragraph [Contacts](#)).

The "User Activations" section shows the activation rules associated to T1 and T2 buttons of the video door phone (see paragraph [Activations](#)).

## 13.18 Video door phone 7" MAX 1717/31-32-33-34-41

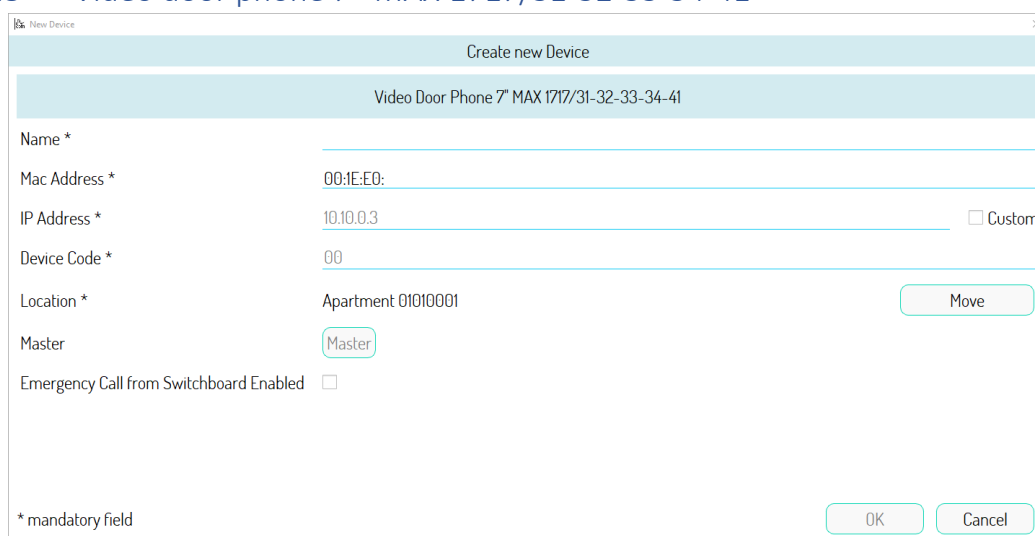


Figure 798: configuration parameters for Video Door Phone 1717/31-32-33-34-41

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 80: meaning of the general configuration parameters for Video Door Phone 1717/31-32-33-34-41



If the video door phone 1761/6 is added to an apartment with video door phone 1717/3x-41, the 1761/6 cannot be configured as master.

## 13.19 Video door phone 10" MAX 1717/21-22-23

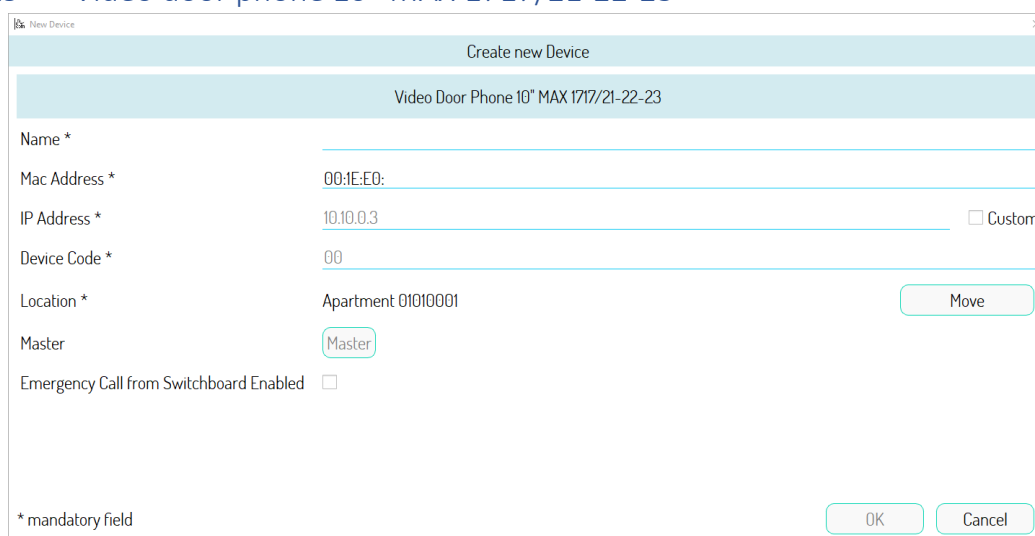


Figure 799: configuration parameters for Video Door Phone 1717/21-22-23

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 81: meaning of the general configuration parameters for Video Door Phone 1717/21-22-23



If a video door phone 1761/6 is added to an apartment with video door phone 1717/2x, the 1761/6 cannot be configured as master.

## 13.20 Video door phone 10" MAX 1717/21U-22U-23U

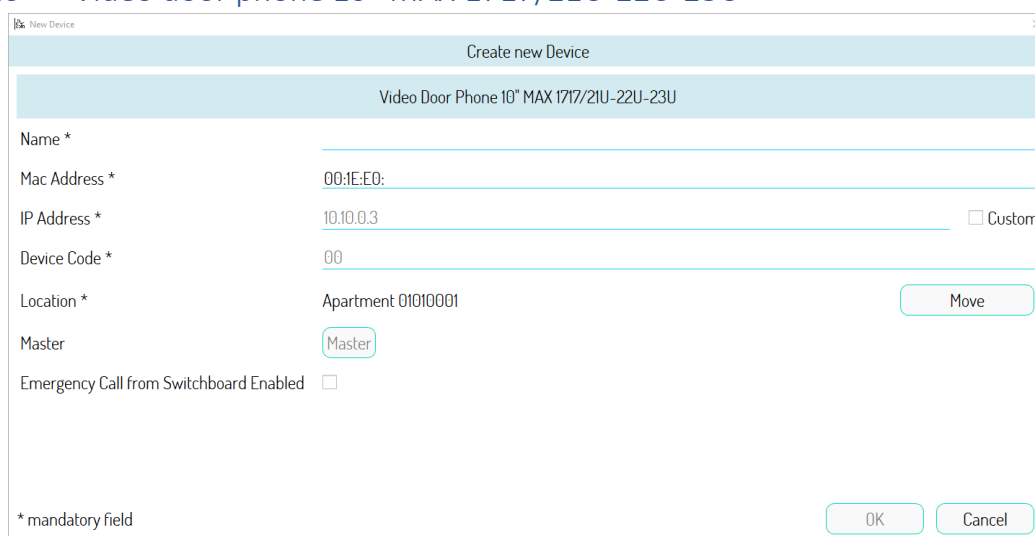


Figure 800: configuration parameters for Video Door Phone 1717/21U-22U-23U

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 82: meaning of the general configuration parameters for Video Door Phone 1717/21U-22U-23U



If a video door phone 1761/6 is added to an apartment with video door phone 1717/2xU, the 1761/6 cannot be configured as master.

## 13.21 Video door phone 7" Basic 1741/1-2-3

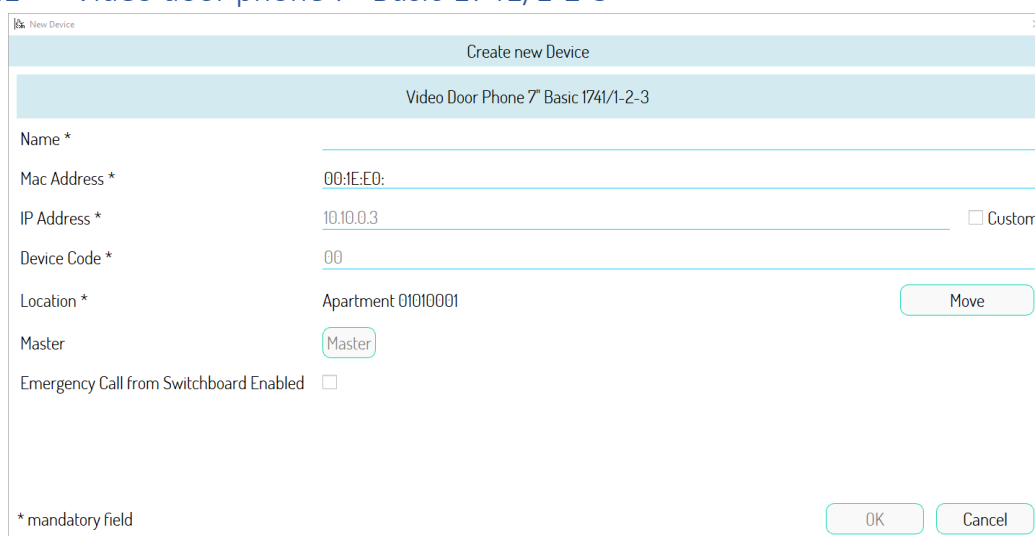


Figure 801: configuration parameters for Video Door Phone 1741/1-2-3

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the video door phone.
<b>IP Address</b>	IP address of video door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <b>CUSTOM NETWORK SETTINGS</b> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are set as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 83: meaning of the general configuration parameters for Video Door Phone 1741/1-2-3



If video door phone 1761/6 is added to an apartment with 1741/1-2-3 video door phones, 1761/6 cannot be configured as a master.

## 13.22 IPerCom Client 1060/43

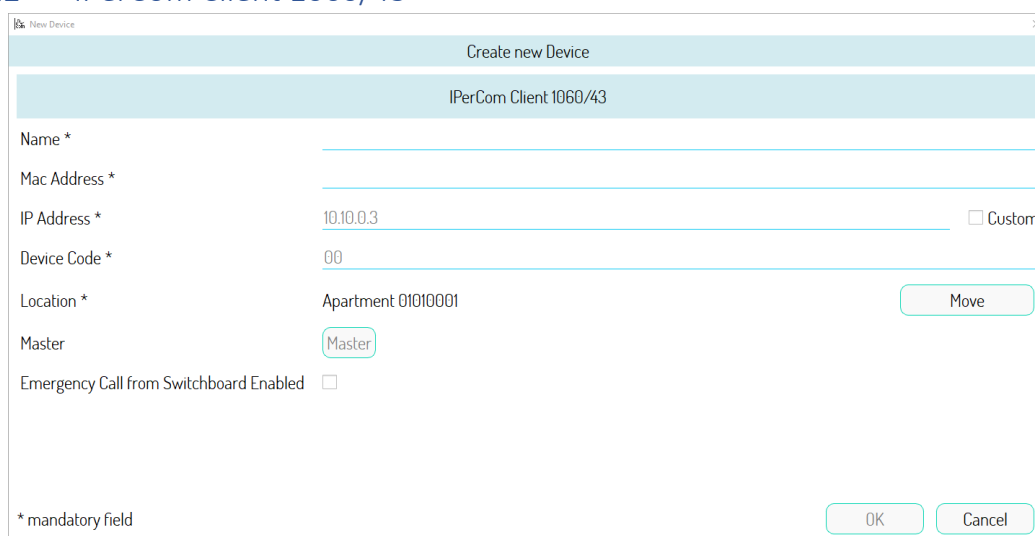


Figure 802: configuration parameters for IPerCom Client 1060/43

The following table shows the meaning of the above configuration parameters.

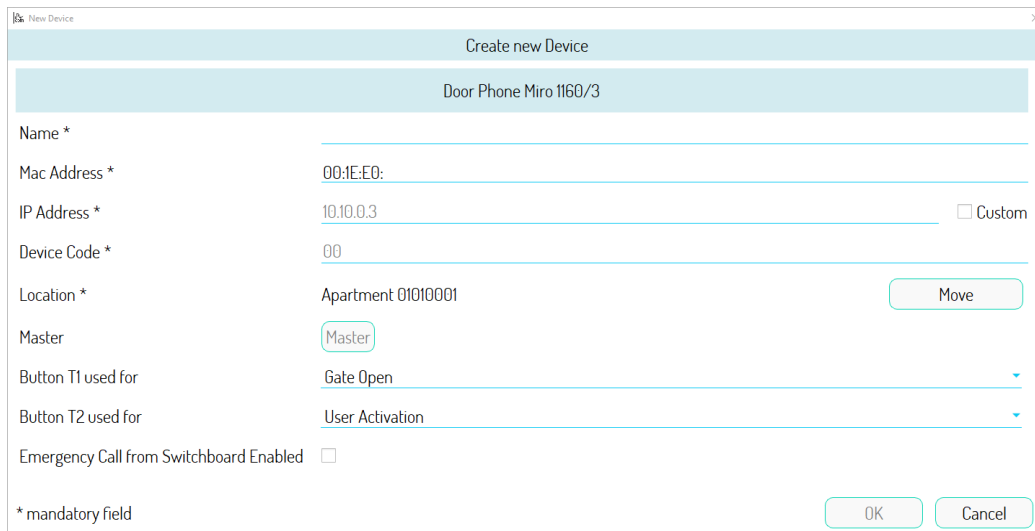
<b>General Settings</b>	
<b>Name</b>	Name to assign to the video door phone.
<b>MAC Address</b>	MAC address associated with the PC on which the <i>IPerCom Client</i> application is installed.
<b>IP Address</b>	IP address associated with the PC on which the <i>IPerCom Client</i> application is installed. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the video door phone to another topological node by pressing the "Move" button.
<b>Master</b>	The first video door phone in the apartment is automatically configured as the master one (it is possible to have only one master video door phone in the apartment). The other video door phones are configured as slave units (you can configure them as master units by pressing the "Set as Master" button: the other video door phones are automatically set as slave units). A master video door phone has more functions than a slave video door phone (e.g. call forwarding can be enabled).
<b>Emergency Call from Switchboard Enabled</b>	If selected, in case of an alarm, it is possible to make an emergency call from the <i>Switchboard</i> in the concerned apartment.

Table 84: meaning of the general configuration parameters for IPerCom Client 1060/43



*If at least one other apartment station (other than IPerCom Client) is added in an apartment with IPerCom Client, the IPerCom Client video door phone cannot be set as master. However, if there are only IPerCom Client video door phones in the apartment, one of these will necessarily be set as master.*

## 13.23 Miro door phone 1160/3



**Create new Device**

Door Phone Miro 1160/3

Name \*

Mac Address \* 00:1E:E0:

IP Address \* 10.10.0.3 ☐ Custom

Device Code \* 00

Location \* Apartment 01010001 Move

Master Master

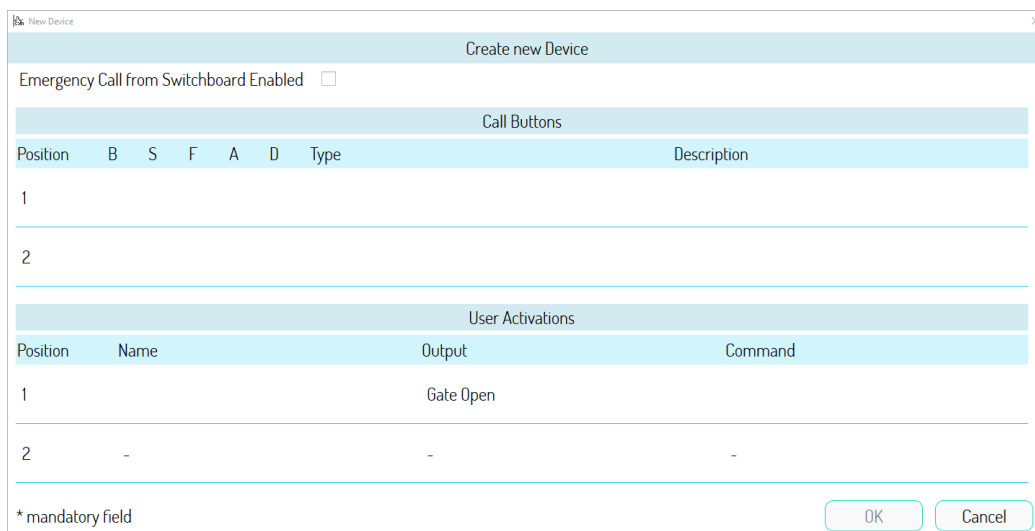
Button T1 used for Gate Open

Button T2 used for User Activation

Emergency Call from Switchboard Enabled ☐

\* mandatory field OK Cancel

Figure 803: configuration parameters for Door Phone Miro 1160/3 (part 1)



**Create new Device**

Emergency Call from Switchboard Enabled ☐

**Call Buttons**

Position	B	S	F	A	D	Type	Description
1							
2							

**User Activations**

Position	Name	Output	Command
1		Gate Open	
2	-	-	-

\* mandatory field OK Cancel

Figure 804: configuration parameters for Door Phone Miro 1160/3 (part 2)

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<i>Name</i>	Name to assign to the door phone.
<i>MAC address</i>	MAC address associated with the door phone.
<i>IP address</i>	IP address associated with the door phone. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <a href="#">CUSTOM NETWORK SETTINGS</a> " section.
<i>Device code</i>	Read-only value.
<i>Position</i>	Position in system topology. The device can be moved to another topological node by pressing the "Move" button.
<i>Master</i>	If selected, the <i>Door Phone</i> is added as the first device in the apartment (there can be only one Master device in an apartment). Other <i>Door Phones</i> monitors are added as slaves (you can add them as masters by pressing the "Set As Master" button: the other devices are set as slaves). If at least one <i>video door phone</i> will be present in the apartment, the Master will be chosen from <i>video door phones</i> and all <i>Door Phones</i> present will be automatically set as Slaves.
<i>Button T1 used for</i>	Default value: "Gate Open". Alternatively, button T1 can be associated to the topological events: "User Activation", "Lift up" and "Lift down" (the last 2 if not already associated with the T2 button).
<i>Button T2 used for</i>	Default value: "User Activation". Alternatively, button T2 can be associated to the topological events: "Lift up" and "Lift down" (the last 2 if not already associated with the T1 button).
<i>Emergency Call from Switchboard Enabled</i>	If selected, in the event of an alarm, it is possible to make an emergency call to the <i>Switchboard</i> in the concerned apartment.

Table 85: meaning of the general configuration parameters for Door Phone Miro 1160/3

Buttons T1 and T2 of the Audio Door Phone are the buttons shown in the following figure:



Figure 805: T1 and T2 buttons of Door Phone 1160/3

The "Call Buttons" section shows the contacts list of the "Address Books" associated with buttons T1 and T2 of the *Miro* door phone (see paragraph [Contacts](#)).

The "User Activations" section shows instead the activation rules associated with buttons T1 and T2 of the *Miro* door phone (see paragraph [Activations](#)).

## 13.24 Key Reader 1060/45 or 1060/86

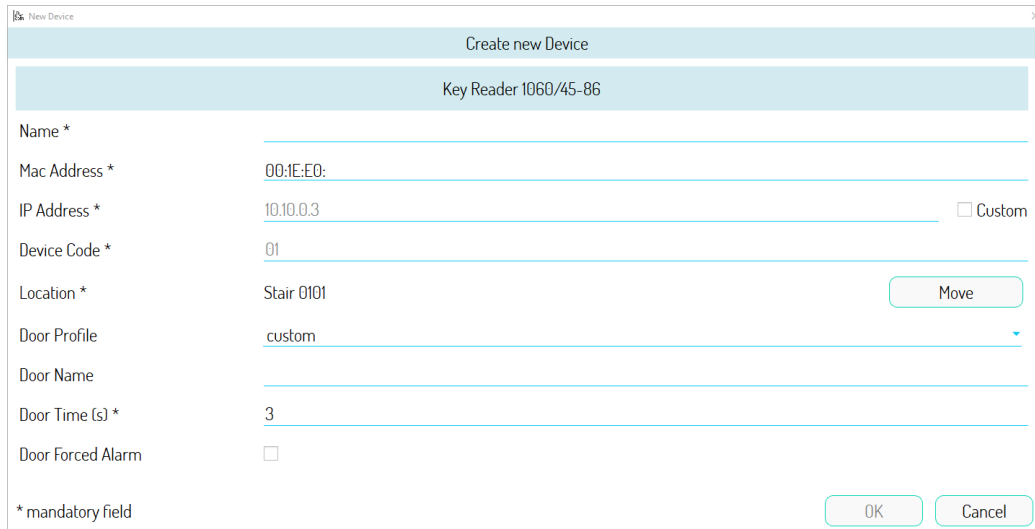


Figure 806 shows the 'Create new Device' window for a Key Reader 1060/45-86. The window has a title bar 'New Device' and a subtitle 'Create new Device'. Below the subtitle is a header 'Key Reader 1060/45-86'. The form contains the following fields:

- Name \*
- Mac Address \* 00:1E:E0:
- IP Address \* 10.10.0.3 ☐ Custom
- Device Code \* 01
- Location \* Stair 0101
- Door Profile custom
- Door Name
- Door Time (s) \* 3
- Door Forced Alarm ☐

\* mandatory field

OK Cancel

Figure 806: configuration parameters for Key Reader 1060/45-86 (part 1)

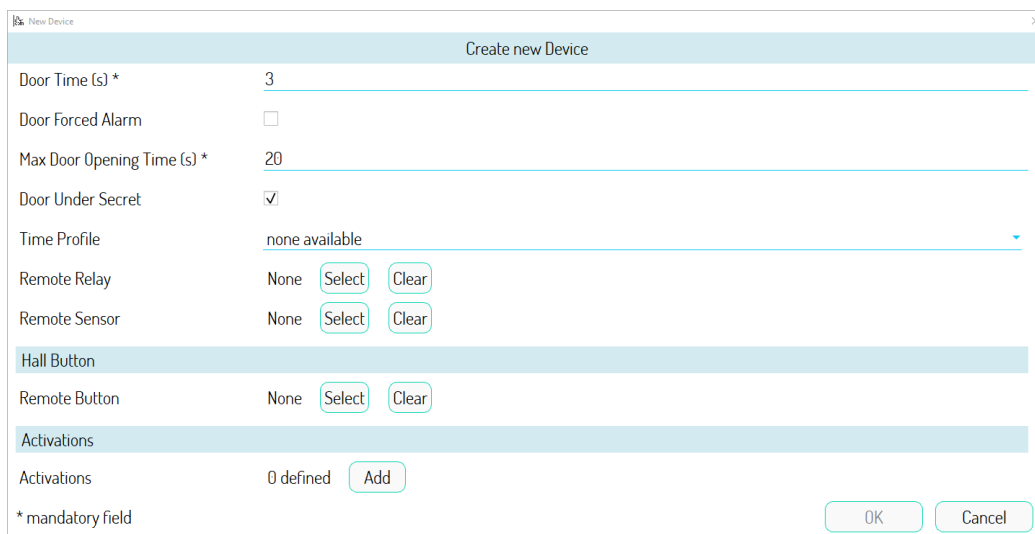


Figure 807 shows the 'Create new Device' window for a Key Reader 1060/45-86, continuing from Figure 806. The window has a title bar 'New Device' and a subtitle 'Create new Device'. Below the subtitle is a header 'Key Reader 1060/45-86'. The form contains the following fields:

- Door Time (s) \* 3
- Door Forced Alarm ☐
- Max Door Opening Time (s) \* 20
- Door Under Secret ☒
- Time Profile none available
- Remote Relay None
- Remote Sensor None
- Hall Button
- Remote Button None
- Activations
- Activations 0 defined

\* mandatory field

OK Cancel

Figure 807: configuration parameters for Key Reader 1060/45-86 (part 2)

The following tables show the meaning of the above configuration parameters.

<b>General Settings</b>	
<i>Name</i>	Name to assign to the key reader.
<i>MAC Address</i>	MAC address associated with the key reader.
<i>IP Address</i>	IP address associated with the key reader. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the “ <a href="#">CUSTOM NETWORK SETTINGS</a> ” section.
<i>Device Code</i>	Value that cannot be changed.
<i>Location</i>	Position in the system topology: it is possible to move the device to another node of the system by pressing the “Move” button.
<i>Door Profile</i>	This allows you to associate a previously created door profile with the concerned door. In this case, the door parameters are automatically compiled (besides the name). Default setting: <i>Customised</i> (parameters must be compiled manually).
<i>Door Name</i>	Name to assign to the door.
<i>Door Time (s)</i>	Pulse duration on the control relay. Default value: 3 s.
<i>Forced Alarm Time (*)</i>	If selected, if the accessed is forced, the concerned event sends an alarm to the <i>Switchboard</i> .
<i>Max Door Opening Time (s)</i>	The maximum opening time of the door after which a notification is sent to the <i>Switchboard</i> .
<i>Door Under Secret</i>	If not selected, pressing the door lock release button on an <i>apartment station</i> , whose topological path intercepts the <i>Key Reader</i> , activates its electric lock, even not during a call. If selected, the door can only be opened by swiping a suitably registered key. Default setting: selected.
<i>Time Profile</i>	This allows you to associate a time profile with the door. Access will only be valid within the selected time profile (except for residents of apartments, whose topological path intercepts the key reader). Default setting: <i>none</i> .
<i>Remote Relay</i>	It allows you to remotely control the relay that allows the <i>Key Reader</i> port opening. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button</a> .
<i>Remote Sensor</i>	It allows you to remotely control the sensor that signals that main door has been left open. For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 86: meaning of the general configuration parameters for Key Reader 1060/45-86

<b>Hall button settings</b>	
<i>Remote Button (#)</i>	It allows you to remotely control the entrance hall button that opens the door of the <i>Key Reader</i> . For further details, see paragraph <a href="#">Remote relay functions, remote entrance hall button and remote sensor</a> .

Table 87: meaning of the configuration parameters of the hall button for Key Reader 1060/45-86

The “Add” button in the **Activations** section has already been described in paragraph [Activations](#).



*For the Key Reader 1060/86 with firmware version 1.40 it is recommended to remotely control the door open sensor through the input of a Relay Actuator with firmware version 4.05 (remote sensor function). The firmware version of the Key Reader 1060/86 can be viewed through the Diagnostics button in IPerCom Installer Tools.*

## 13.25 Relay actuator 1060/84 v. 2.07 / 3.04 / v. 4.05

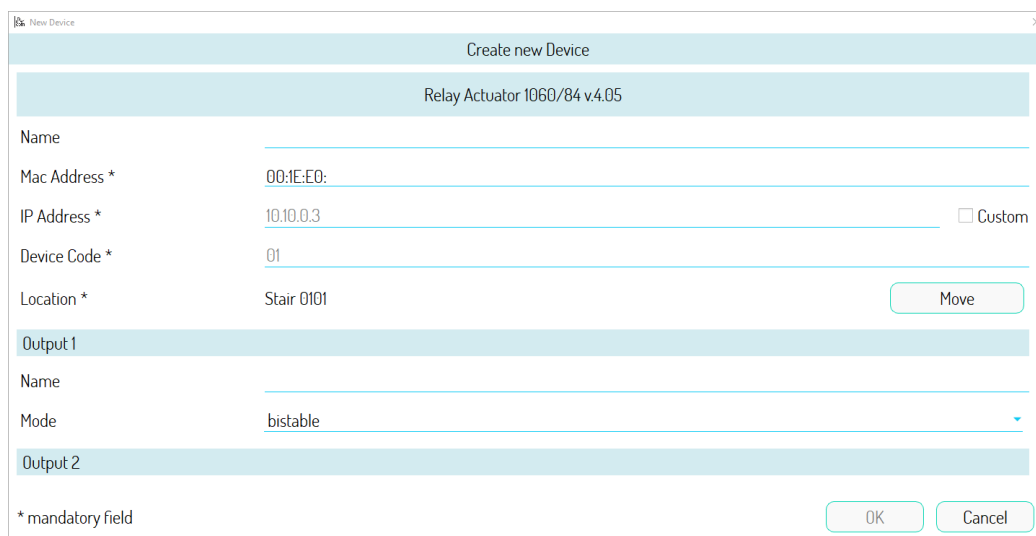


Figure 808 shows the 'Create new Device' window for the Relay Actuator 1060/84 v.4.05. The window contains the following fields and options:

- Name:** Text input field.
- Mac Address \*:** Text input field with value 00:1E:E0:.
- IP Address \*:** Text input field with value 10.10.0.3. A ☐ Custom checkbox is present.
- Device Code \*:** Text input field with value 01.
- Location \*:** Text input field with value Stair 0101. A **Move** button is next to it.
- Output 1:** Section header.
- Name:** Text input field.
- Mode:** Dropdown menu with value bistable.
- Output 2:** Section header.
- \* mandatory field** label at the bottom left.
- OK** and **Cancel** buttons at the bottom right.

Figure 808: configuration parameters for Relay Actuator 1060/84 (part 1)

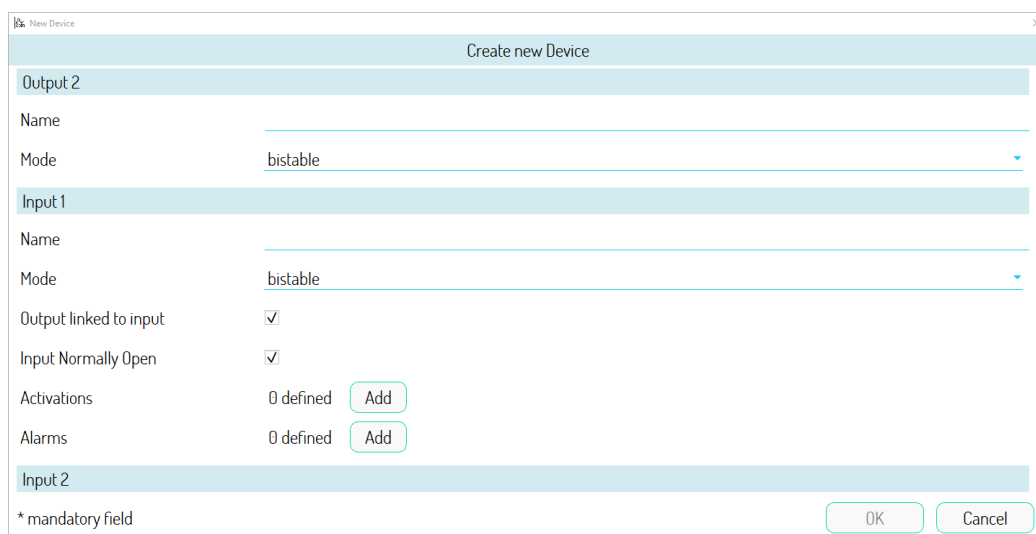


Figure 809 shows the 'Create new Device' window for the Relay Actuator 1060/84 v.4.05, continuing from Figure 808. The window contains the following fields and options:

- Output 2:** Section header.
- Name:** Text input field.
- Mode:** Dropdown menu with value bistable.
- Input 1:** Section header.
- Name:** Text input field.
- Mode:** Dropdown menu with value bistable.
- Output linked to input:** Checkmark ☒.
- Input Normally Open:** Checkmark ☒.
- Activations:** Text input field with value 0 defined. An **Add** button is next to it.
- Alarms:** Text input field with value 0 defined. An **Add** button is next to it.
- Input 2:** Section header.
- \* mandatory field** label at the bottom left.
- OK** and **Cancel** buttons at the bottom right.

Figure 809: configuration parameters for Relay Actuator 1060/84 (part 2)

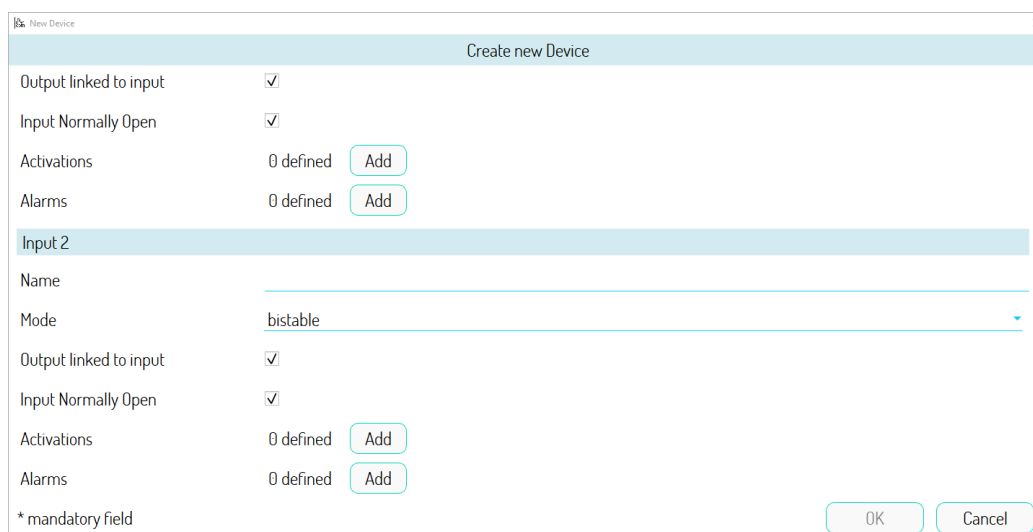


Figure 810: configuration parameters for Relay Actuator 1060/84 (part 3)

The following tables show the meaning of the above configuration parameters and the version for which the parameter is present.

<b>General settings</b>	<b>v. 3.04/v. 2.07/v. 4.05</b>
<b>Name</b>	Name to assign to the relay actuator. If no name is assigned, the field is forced with the MAC address.
<b>MAC Address</b>	MAC address associated to the relay actuator.
<b>IP Address</b>	IP address associated to the relay actuator. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the “Custom” item is selected, the field can also be modified by choosing an IP address within the range defined in the “ <b>CUSTOM NETWORK SETTINGS</b> ” section.
<b>Device Code</b>	Value that cannot be changed.
<b>Location</b>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.

Table 88: meaning of the general configuration parameters for Relay Actuator 1060/84

<b>Output 1 and 2</b>	<b>v. 3.04/v. 2.07/v. 4.05</b>
<b>Name</b>	Name to assign to the output. If no name is assigned, the field is forced by the last 3 pairs of alphanumeric characters of the MAC address followed by " - Output 1 (2)".
<b>Mode</b>	Output relay operating mode: monostable or bistable. If you choose the monostable mode, you must enter the time during which the relay operates in this mode. Default value: bistable.

Table 89: meaning of the configuration parameters of the outputs for Relay Actuator 1060/84

<b>Input 1 and 2</b>	<b>Only v. 3.04/v. 4.05</b>
<i>Name</i>	Name to assign to the input
<i>Mode</i>	Input operating mode. In bistable mode, the input is set as a switch (on and off events). In monostable mode, the input is set as a button (short and long press events): in this case the press time must be entered.
<i>Output connected to input</i>	If selected, it automatically associates the input with the corresponding output. If not selected, the input can control several outputs (also of other <i>Relay Actuators</i> ) through the events described above.
<i>Normally Open Input</i>	If selected, the input is normally open, otherwise it is normally closed.

Table 90: meaning of the configuration parameters of the inputs for Relay Actuator 1060/84

The "Activations" and "Alarms" buttons allow you to create an activation rule and an alarm for a specific *Relay Actuator* input.



*The Relay Actuator 1060/84 v. 4.05 is the only one to support the "DISABLE" command in monostable mode (from version 2.1.0 of IPerCom).*

A table of the electrical meanings of the on, off, short press and long press events is shown depending on the input status (normally closed or normally open):

<b>Events</b>	<b>Normally Open Input</b>	<b>Normally Closed Input</b>
On	Closed	Open
Off	Open	Closed
Short press	Closed for $T < T_0$	Open for $T < T_0$
Long press	Closed for $T \geq T_0$	Open for $T \geq T_0$

Table 91: Meaning of on, off, short press and long press according to input status

## 13.26 IPerTalk Server / IPerTALK Server V1

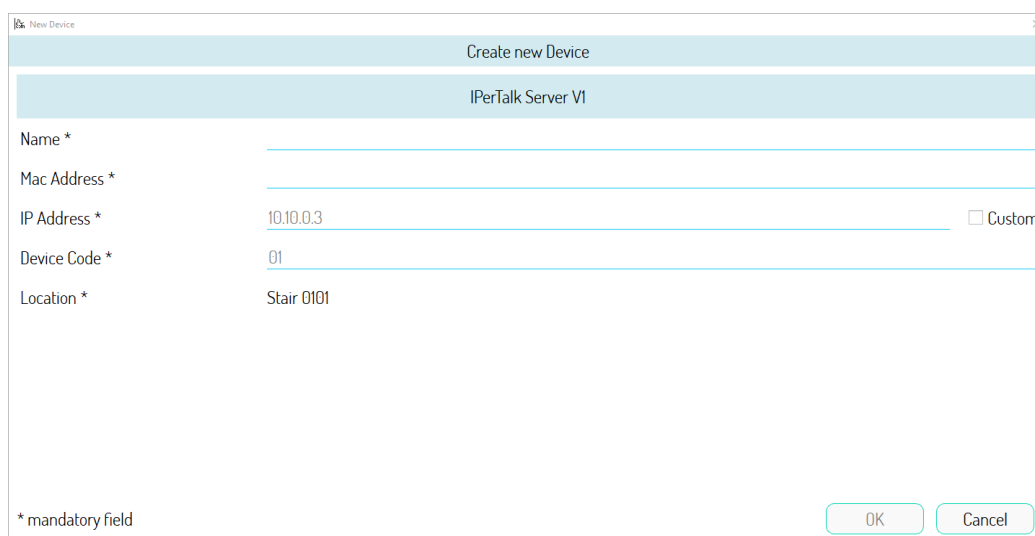


Figure 811: configuration parameters for IPerTalk Server / IPerTALK Server V1

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the Server IPerTalk / Server IPerTalk V1.
<b>MAC address</b>	MAC address associated with the Server IPerTalk / Server IPerTalk V1.
<b>IP Adress</b>	IP address associated with the Server IPerTalk / Server IPerTalk V1. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the " <b>CUSTOM NETWORK SETTINGS</b> " section.
<b>Device code</b>	Not editable value.
<b>Location</b>	Position in the system topology: it is possible to move the device to another topological node pressing the "Move" button.

Table 92: meaning of the general configuration parameters for IPerTalk Server / IPerTALK Server V1



*The IPerTalk Server V1 item appears only if the network addressing chosen for the IPerCom system is static and refers to the integration of the IPerCom 3.1.0 system with the IPerTalk 2.2.10 system or higher (which mandatorily requires static addressing for the IPerCom system). On the contrary, the IPerTalk Server item appears with both dynamic and static network addressing and refers to the first integration of the IPerCom 2.2.0 system with the IPerTalk 2.1.4 system or higher (up to and including version 2.2.3), which allowed below:*

- *audio or audio-video calls from Ipercom calling stations to iPerTalk extensions;*
- *auto-on function from iPerTalk extensions to Ipercom calling stations;*
- *audio or audio-video calls from iPerTalk extensions to Ipercom Switchboard and vice versa.*

## 13.27 IPassan controller

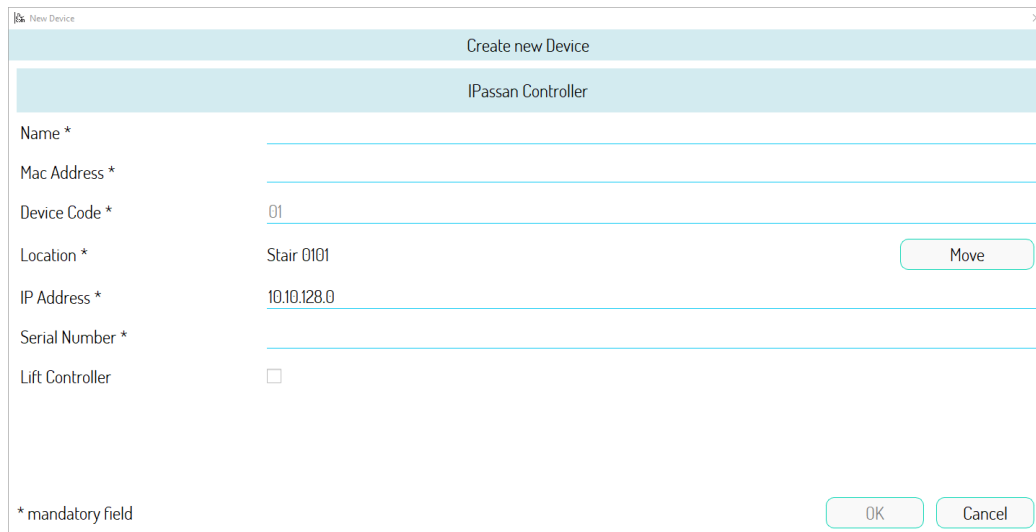


Figure 812: configuration parameters for IPassan Controller

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the device IPassan Controller.
<b>MAC Address</b>	MAC address associated with the device IPassan Controller. Value not editable. The MAC address is automatically taken from the serial number.
<b>Device Code</b>	Value not editable.
<b>Location</b>	Position in the system topology: it is possible to move the device to another topological node by pressing the "Move" button.
<b>IP Address</b>	IP address associated with the device <i>IPassan Controller</i> .
<b>Serial number</b>	Serial number of the device IPassan Controller.
<b>Lift Control</b>	If selected, it allows you to control the lifts through the device IPassan Controller. Default value: not selected.

Table 93: meaning of the general configuration parameters for IPassan Controller



Regardless of whether you choose the "Static" or "Dynamic" item in the "Network Settings" section, if you add the iPassan Controller device via the configurator, its IP address must always be within the range set in the "Custom Network Settings" section.

## 13.28 IPerCom-2Voice Gateway 1083/59

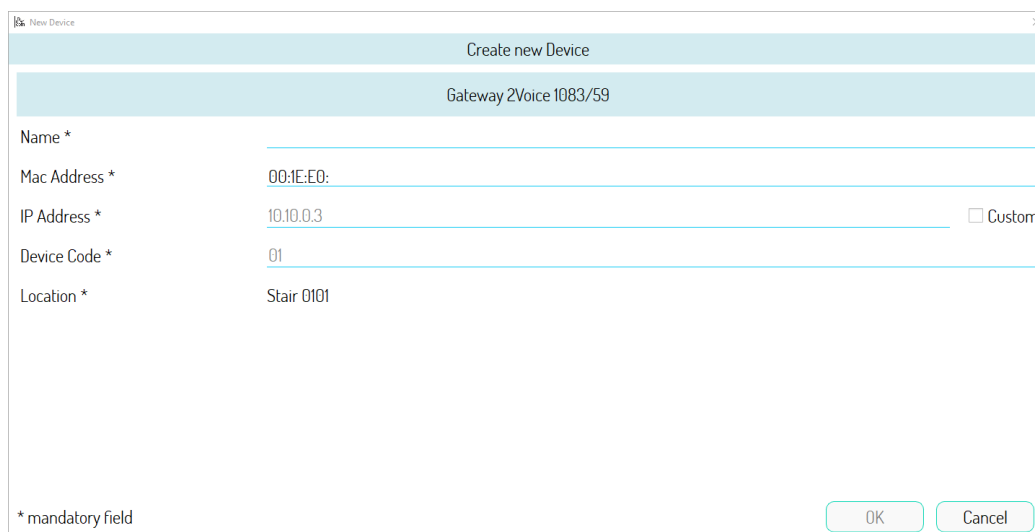


Figure 813 shows the configuration parameters for Gateway 2Voice 1083/59. The dialog box is titled 'Create new Device' and contains the following fields:

- Name \*
- Mac Address \* (00:1E:E0:)
- IP Address \* (10.10.0.3) with a ☐ Custom checkbox
- Device Code \* (01)
- Location \* (Stair 0101)

\* mandatory field

Figure 813: configuration parameters for Gateway 2Voice 1083/59

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the device Gateway 2Voice.
<b>MAC address</b>	MAC address associated with the device Gateway 2Voice.
<b>IP address</b>	IP address associated with the device Gateway 2Voice. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<b>Device code</b>	Read-only value.
<b>Position</b>	Position in system topology. It is not possible to move the device Gateway 2Voice to other topological nodes.

Table 94: meaning of the general configuration parameters for Gateway 2Voice 1083/59



The guaranteed conversation time set on the IPerCom system and on the 2Voice secondary stations connected to the Gateway must be the same for the system to work correctly.

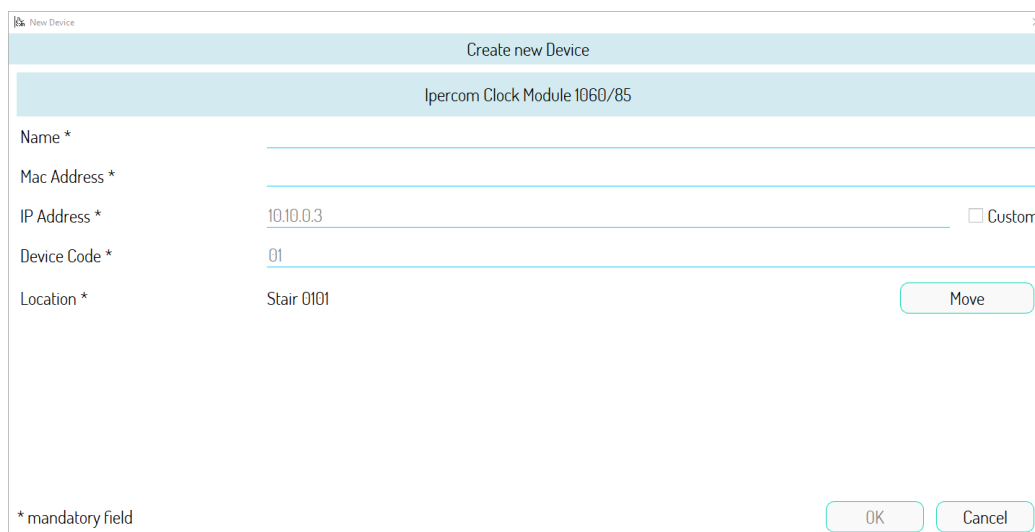


Follow the instructions in the related manuals of devices to set the guaranteed conversation time at the 2Voice secondary call modules.



It is necessary to upgrade the IPerCom system to version 1.3.0 or higher for proper operation of the IPerCom 2Voice Gateway.

## 13.29 IperCom Clock Module 1060/85



The screenshot shows a 'New Device' window titled 'Create new Device'. Below the title bar, the device type 'Ipercom Clock Module 1060/85' is displayed. The form contains the following fields and controls:

- Name \***: An empty text input field.
- Mac Address \***: An empty text input field.
- IP Address \***: A text input field containing '10.10.0.3'. To its right is a checkbox labeled 'Custom'.
- Device Code \***: A text input field containing '01'.
- Location \***: A text input field containing 'Stair 0101'. To its right is a 'Move' button.

At the bottom left, there is a note: '\* mandatory field'. At the bottom right, there are 'OK' and 'Cancel' buttons.

Figure 814: configuration parameters for IperCom Clock Module 1060/85

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<b>Name</b>	Name to assign to the device IperCom clock module.
<b>MAC Address</b>	MAC address associated with the device IperCom clock module.
<b>IP Address</b>	IP address associated with the device IperCom clock module. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<b>Device Code</b>	Value that cannot be changed.
<b>Location</b>	Position in the system topology: it is possible to move the device IperCom clock module to another topological node by pressing the "Move" button.

Table 95: meaning of the general configuration parameters for IperCom Clock Module 1060/85



*It is necessary to upgrade the IPerCom system to version 1.2.0 or higher for proper operation of the module in question.*

### 13.30 Lift interface 1060/37

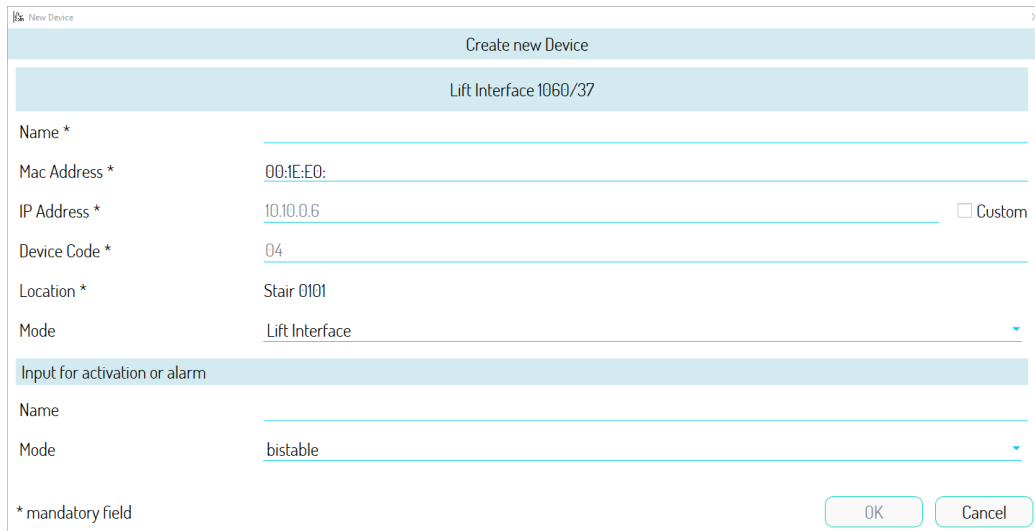


Figure 815 shows the 'Create new Device' dialog box for a Lift Interface 1060/37. The dialog has a title bar 'New Device' and a subtitle 'Create new Device'. Below the subtitle is a section header 'Lift Interface 1060/37'. The form contains the following fields:

- Name \*
- Mac Address \* (00:1E:E0:)
- IP Address \* (10.10.0.6) with a 'Custom' checkbox
- Device Code \* (04)
- Location \* (Stair 0101)
- Mode (Lift Interface)
- Input for activation or alarm section:
  - Name
  - Mode (bistable)

At the bottom, there is a legend '\* mandatory field' and two buttons: 'OK' and 'Cancel'.

Figure 815: configuration parameters for Lift interface 1060/37 (part 1)

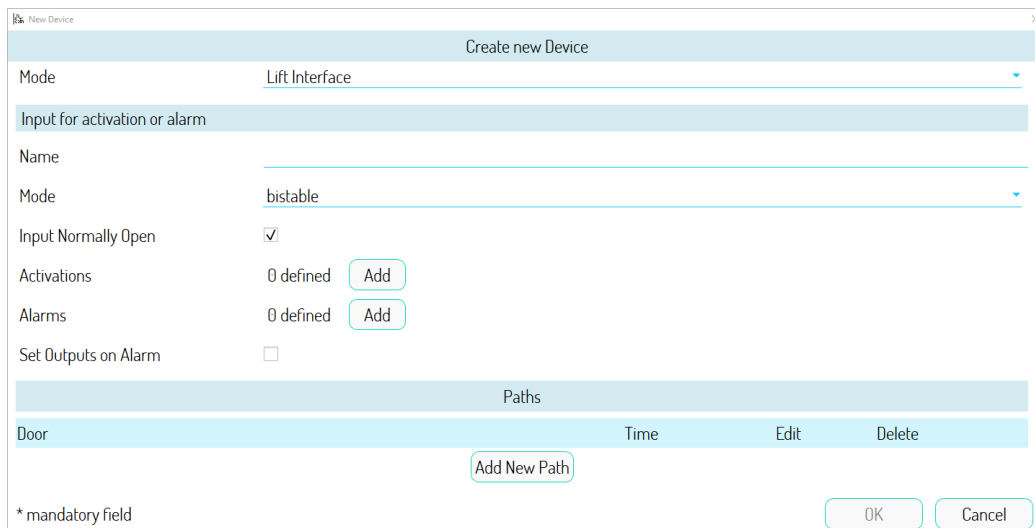


Figure 816 shows the 'Create new Device' dialog box for a Lift Interface 1060/37, continuing from Figure 815. The dialog has a title bar 'New Device' and a subtitle 'Create new Device'. Below the subtitle is a section header 'Lift Interface 1060/37'. The form contains the following fields:

- Mode (Lift Interface)
- Input for activation or alarm section:
  - Name
  - Mode (bistable)
- Input Normally Open (checked)
- Activations (0 defined) with an 'Add' button
- Alarms (0 defined) with an 'Add' button
- Set Outputs on Alarm (unchecked)
- Paths section:
 

Door	Time	Edit	Delete
Add New Path			

At the bottom, there is a legend '\* mandatory field' and two buttons: 'OK' and 'Cancel'.

Figure 816: configuration parameters for Lift interface 1060/37 (part 2)

The following tables show the meaning of the above configuration parameters.

<b>General settings</b>	
<i>Name</i>	Name to assign to the device lift interface.
<i>MAC Address</i>	MAC address associated with the device lift interface.
<i>IP Address</i>	IP address of the device lift interface. <u>Field visible only if a static network configuration has been set in the system parameters.</u> In this condition, if the "Custom" item is selected, the field can also be modified by choosing an IP address within the range defined in the <a href="#">CUSTOM NETWORK SETTINGS</a> section.
<i>Device Code</i>	Value not editable.
<i>Location</i>	Position in the system topology: it is possible to move the <i>Lift Interface</i> to another topological node.
<i>Mode</i>	It allows you to define the operating mode of the <i>Lift Interface</i> . Modes are: "Lift Interface - RS485", "Lift Interface", "Relay Actuator Mode". Default mode: "Lift Interface"

Table 96: meaning of the general configuration parameters for Lift interface 1060/37

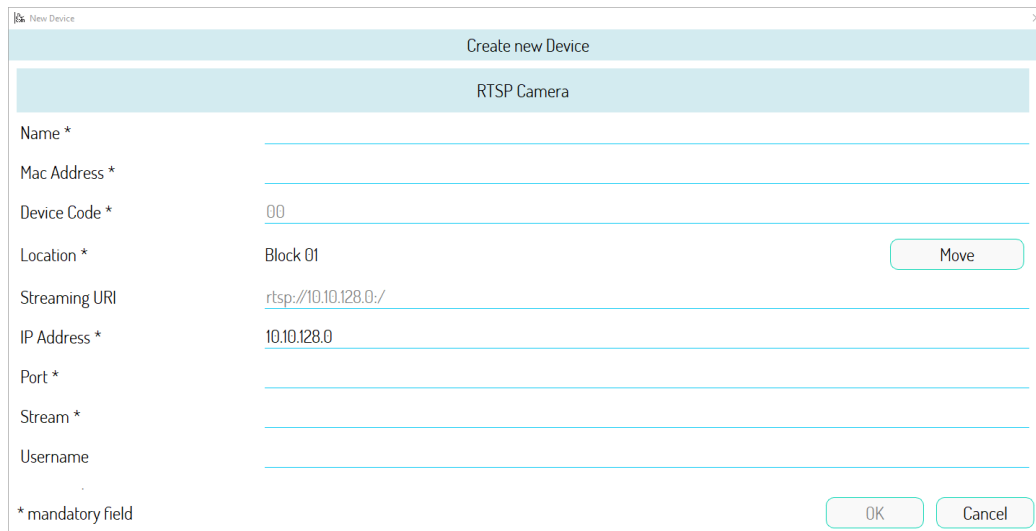
<b>Input 1</b>	
<i>Name</i>	Name to assign to the input.
<i>Mode</i>	Input operating mode. In bistable mode, the input is set as a switch (on and off events). In monostable mode, the input is set as a button (short and long press events): in this case the press time must be entered.
<i>Normally open input</i>	If selected, the input is normally open, otherwise it is normally closed.
<i>Set Outputs in case of Alarm</i>	If selected, it allows you to set which relays will be activated when an alarm is triggered.

Table 97: meaning of the configuration parameters of the input for Lift interface 1060/37

The "Add" buttons in the "Activations" and "Alarms" section have already been described in the paragraphs [Activations](#) and [Sending alarms to the Switchboard via relay actuator inputs](#).

The function of the "Add path" button has already been described in paragraph [Creating the path](#).

## 13.31 RTSP Camera



New Device

Create new Device

RTSP Camera

Name \*

Mac Address \*

Device Code \* 00

Location \* Block 01 Move

Streaming URI rtsp://10.10.128.0:/'

IP Address \* 10.10.128.0

Port \*

Stream \*

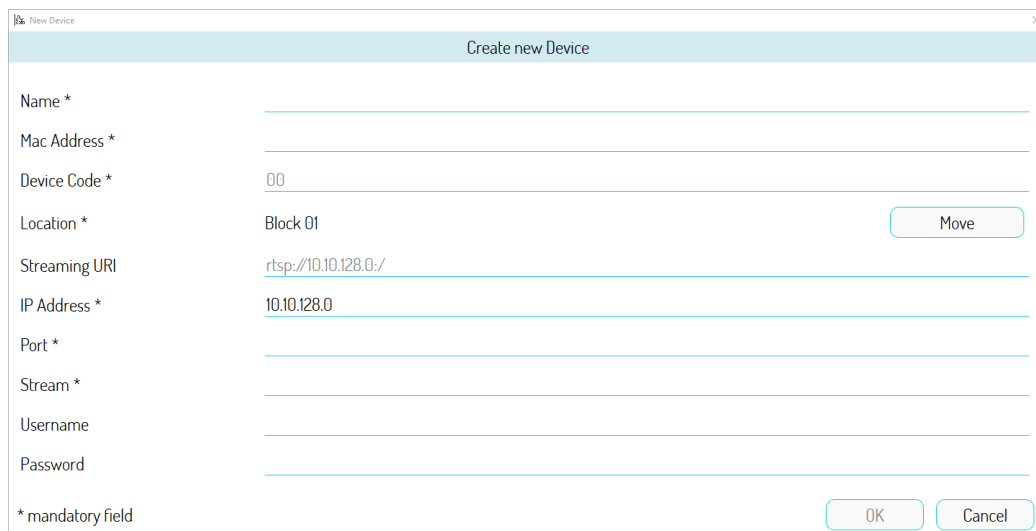
Username

Password

\* mandatory field

OK Cancel

Figure 817: configuration parameters for RTSP Camera (part 1)



New Device

Create new Device

RTSP Camera

Name \*

Mac Address \*

Device Code \* 00

Location \* Block 01 Move

Streaming URI rtsp://10.10.128.0:/'

IP Address \* 10.10.128.0

Port \*

Stream \*

Username

Password

\* mandatory field

OK Cancel

Figure 818: configuration parameters for RTSP Camera (part 2)

The following tables show the meaning of the above configuration parameters.

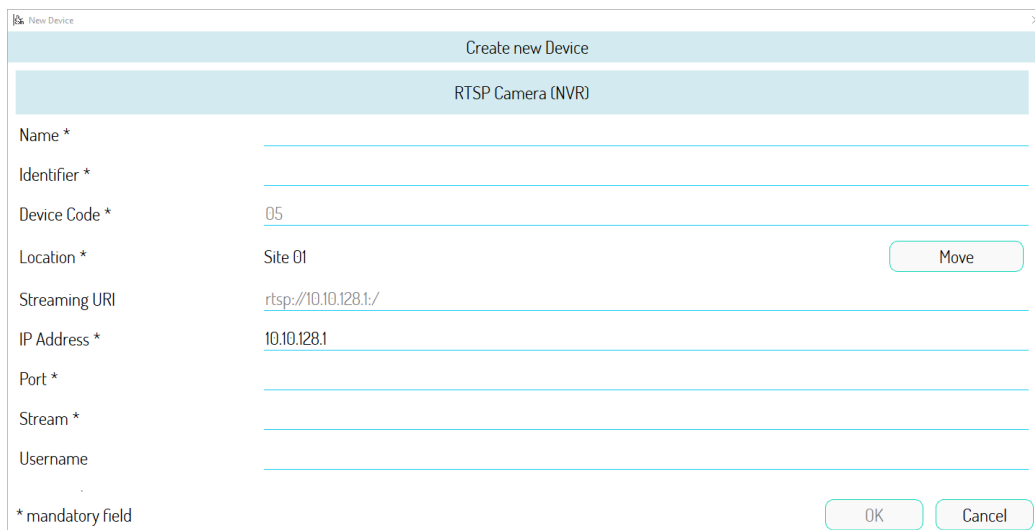
<b>General Settings</b>	
<i>Name</i>	Name to assign to the <i>RTSP Camera</i> .
<i>MAC Address</i>	MAC address associated with the <i>RTSP Camera</i> .
<i>Device Code</i>	Value cannot be changed.
<i>Location</i>	Position in the system topology: it is possible to move the device to another topological node by pressing the "Move" button.
<i>URI for Streaming</i>	Full URI video streaming. Read-only value. It is automatically compiled by compiling the fields below, respecting the following syntax: rtsp://[<Username>:<Password>@] <IP Address>:<Port>/<Stream> The part between square brackets may not be present if the username and password are not defined.
<i>IP Address</i>	Camera IP address.
<i>Port</i>	RTSP stream port.
<i>Stream</i>	Address of the stream.
<i>Username</i>	User name to access the camera.
<i>Password</i>	User password for access to the camera.

Table 98: meaning of the general configuration parameters for RTSP Camera



To set the IP address it is recommended to follow what is reported in [APPENDIX E: How to use customized network settings in IperCom system](#). For RTSP cameras supported by IPerCom system video door phones, follow what is reported in [APPENDIX X: RTSP Cameras supported by IPerCom video door phones](#).

## 13.32 RTSP Camera (NVR)



**Create new Device**  
RTSP Camera (NVR)

Name \*

Identifier \*

Device Code \* 05

Location \* Site 01 Move

Streaming URI rtsp://10.10.128.1:/

IP Address \* 10.10.128.1

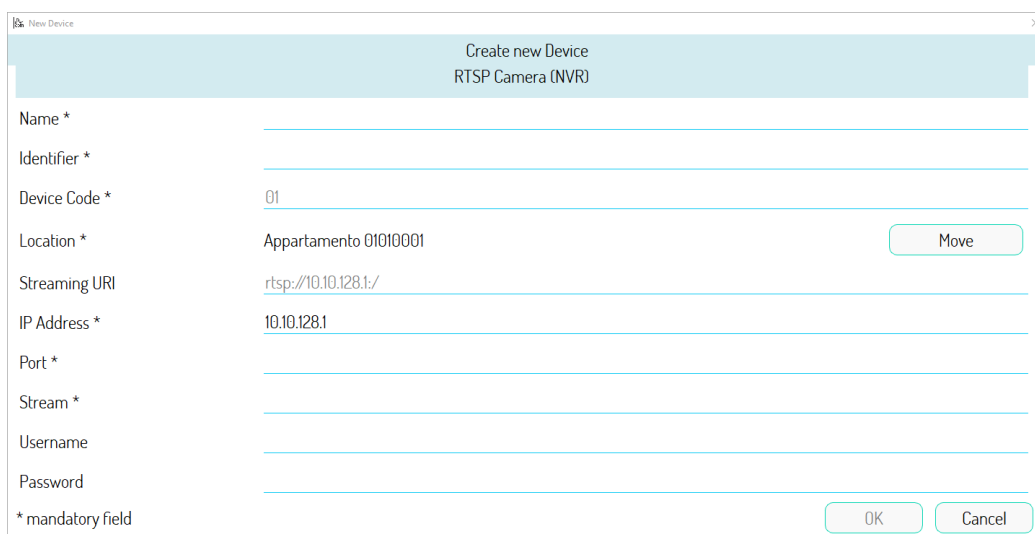
Port \*

Stream \*

Username

\* mandatory field OK Cancel

Figure 819: configuration parameters for RTSP Camera (NVR) (part 1)



**Create new Device**  
RTSP Camera (NVR)

Name \*

Identifier \*

Device Code \* 01

Location \* Appartamento 01010001 Move

Streaming URI rtsp://10.10.128.1:/

IP Address \* 10.10.128.1

Port \*

Stream \*

Username

Password

\* mandatory field OK Cancel

Figure 820: configuration parameters for RTSP Camera (NVR) (part 2)

The following table shows the meaning of the above configuration parameters.

<b>General Settings</b>	
<i>Name</i>	Meaningful name to be assigned to the <i>RTSP Camera</i> connected to the Urmet NVR device
<i>Identifier</i>	Unique identifier of the NVR device (serial number or other)
<i>Device Code</i>	Non-editable value
<i>Location</i>	Position in the system topology: it is possible to move the device to another topological node by pressing the “Move” button.
<i>Streaming URI</i>	Full URI of the streaming video. Non-editable value. It is built automatically by filling in the fields below respecting the following syntax: <code>rtsp://[&lt;username&gt;:&lt;password&gt;@] &lt;IP Address&gt;:&lt;port&gt;/&lt;stream&gt;</code> The part in square brackets may not be present if the username and password are not defined
<i>IP Address</i>	NVR Urmet device IP address (depends on your network configuration)
<i>Port</i>	Port through which the Urmet NVR device performs RTSP streaming (variable depending on the Urmet NVR device)
<i>Stream</i>	Streaming channel (variable depending on the Urmet NVR device)
<i>Username</i>	Username for accessing the Urmet NVR device
<i>Password</i>	Password for accessing the Urmet NVR device

Table 99: meaning of the general configuration parameters for RTSP Camera (NVR)

For the use of RTSP Cameras with Urmet NVR devices **1098/324P-326P-328P**, refer to [APPENDIX L: RTSP Cameras with NVR Urmet device](#).

## 14 APPENDIX LIST

The appendices below can be downloaded from the website [www.urmet.com](http://www.urmet.com) in the following section: [Tools---> Manuals, booklets and certifications](#).

On this page, select “Video door phones” from the first drop-down menu, then “GB - IPERCOM system - System manual” from the second.

From the web page that appears you can download the pdf of the list of appendices (second pdf file starting from the top).

- 14.1 [APPENDIX A: 2Voice and IPerCom apartment station features](#)
- 14.2 [APPENDIX B: 2Voice and IPerCom calling station features with Switchboard](#)
- 14.3 [APPENDIX C: IPerCom priority calls](#)
- 14.4 [APPENDIX D: Proximity keys compatible with IPerCom devices](#)
- 14.5 [APPENDIX E: How to use customized network settings in IperCom system](#)
- 14.6 [APPENDIX F: Custom network settings and editable static IP addresses for IPerCom devices](#)
- 14.7 [APPENDIX G: Changing the network settings of IPerCom Installer Tools](#)
- 14.8 [APPENDIX H: Date and time incorrectly set in the future](#)
- 14.9 [APPENDIX I: Streaming video from IPerCom calling stations to NVR Urmet](#)
- 14.10 [APPENDIX L: RTSP Cameras with NVR Urmet device](#)
- 14.11 [APPENDIX M: “Site name” and “Global site ID” field definition](#)

- 14.12 [APPENDIX N: IPassan integration with IPerCom](#)
- 14.13 [APPENDIX O: How to properly turn 1060/1 Server on and off](#)
- 14.14 [APPENDIX P: Connection between 1060/1 Server and UPS device](#)
- 14.15 [APPENDIX Q: Replacing a 1060/1 Server that is no longer working](#)
- 14.16 [APPENDIX R: First upgrade of a system via Server 1060/1](#)
- 14.17 [APPENDIX S: Call to several Switchboard applications each linked to a CallMe app](#)
- 14.18 [APPENDIX T: CallMe contacts](#)
- 14.19 [APPENDIX U: IPerCom device consumption](#)
- 14.20 [APPENDIX V: Features for which 1060/1 Server is mandatory](#)
- 14.21 [APPENDIX W: Devices supported by IPerCom versions](#)
- 14.22 [APPENDIX X: RTSP Cameras supported by IPerCom video door phones](#)
- 14.23 [APPENDIX Y: Auto-on on RTSP Cameras](#)
- 14.24 [APPENDIX Z: CallMe operating mode for VOG<sup>7</sup>, MAX 1717/3x and 1717/2x video door phones](#)
- 14.25 [APPENDIX A1: Custom video door phones](#)
- 14.26 [APPENDIX B1: Flex options](#)
- 14.27 [APPENDIX C1: Failure to upgrade all devices](#)

14.28 [APPENDIX D1: Disabled mode](#)

14.29 [APPENDIX E1: Logs](#)

14.30 [APPENDIX F1: IPerCom devices that can be updated by IPerCom Installer Tools](#)

14.31 [APPENDIX G1: Template of the list of devices installed in the system](#)

