golmar

Sixty5 Touch Panel

6507/G+

INSTALLER MANUAL

www.golmar.es

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6507/G+ FW2.01 V01 REV.0125 | ENGLISH

INDEX

1. SAFETY, CAUTIONS AND WARNINGS

- The installation and setup of this equipment must be done by an authorized installer in a suitable surface and following the current regulations.

- Do not touch the device with wet hands, or using cleaning liquids or aerosols.

- Install the device in a dry and secure area, protected against water drops or sprays.

- Avoid placing the device close to heating/cooling sources, humid or dusty areas.

- Do not cover the device ventilation openings to assure air flow circulation.

- Do not open the device cover or manipulate the monitor's electric circuit.

- Danger of electric shock.

Hereby, GOLMAR S.A. declares that the radio equipment types **6507/G+ door panels** is in compliance with the Directive 2014/53/EU. Wi-Fi Frequency Band: 13,56MHz. Output power (max): 19dBm.

The full text of the EU declaration of conformity is available at the following internet address: **https://www.golmar.es**

2. IP G+ SYSTEM SPECIFICATIONS

- TCP/IP video intercom system with technology IP G+.

- Installation over ethernet network.

- Up to 98 blocks in one system.

- Up to 99 entry panels at each block.

- Up to 19 general panels at each installation.

- Up to 799 flats per each block.

- Up to 19 guard units for the general compound and 9 guard units at each block.

- Up to 256 ONVIF cameras and 30 SIP servers.

3. PANEL DESCRIPTION

A. Front:

① IK10 and IP65
   Working temperature: -40~60ºC

② 130º wide angle camera

③ White LEDs for night vision
   IR sensor

④ 7" TFT LCD 600 x 1024 px

⑤ 13.56MHz RFID Reader
   Light sensor

⑥ Board fixing screws

⑦ Header

⑧ Head fixing screw

B. Connection terminals:

① RJ-45 connectors

② 12V connector (I)

③ 2SAFE connector (II)

④ Wiegand connector (II)
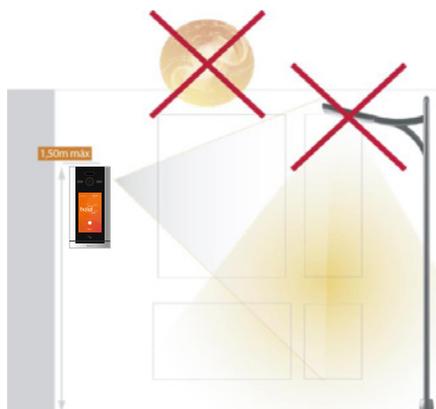
⑤ Door locks connector
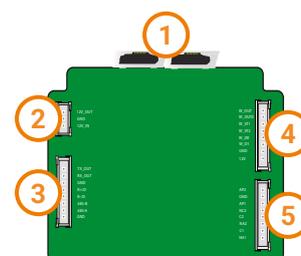
(I) In case to power the panel with a local power supply, the ethernet cable cannot be connected to a PoE output of the switch.

*(II) Reffer to **IP Opener manuals** for Wiegand and 2SAFE connections.*
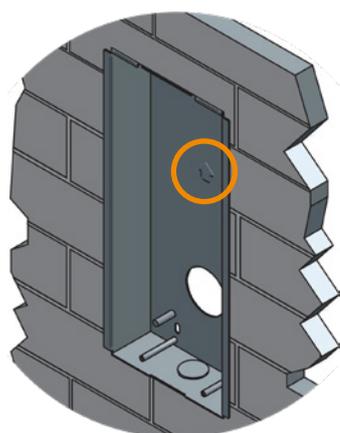
4. PANEL INSTALLATION

1. Avoid locating the panel exposed to direct sun light or external light sources like streetlamps, to get a good image.

2. Locate the top part of the entry panel at 1,65m height from ground.

3. Make a hole in the wall where to fit the embedding box CE-6502/G+. The dimensions of the box are 132(W) x 308(H) x 45(D). Assure the box is fixed upside correctly.

Mind the embedding box orientation.
It is recommended to follow the instructions and tips mentioned in the embedding box mount guide.

4. Connect the ethernet cable ① and hang the upper part of the panel in the nails which protrude out of the box ②, then tilt the panel to fit into the bottom part of the box ③.
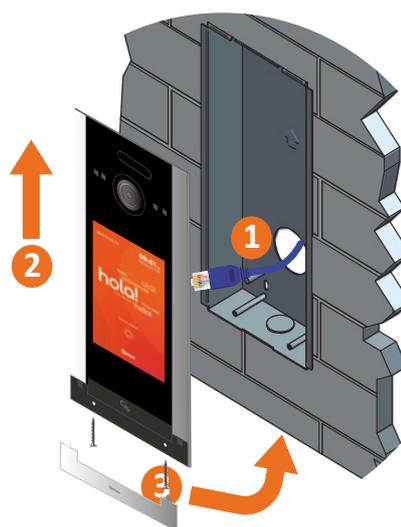
5. Fix the bottom part of the panel using the screws supplied.

6. Slide up the header supplied, to cover the bottom part of the panel and tight the screws (III) underneath.
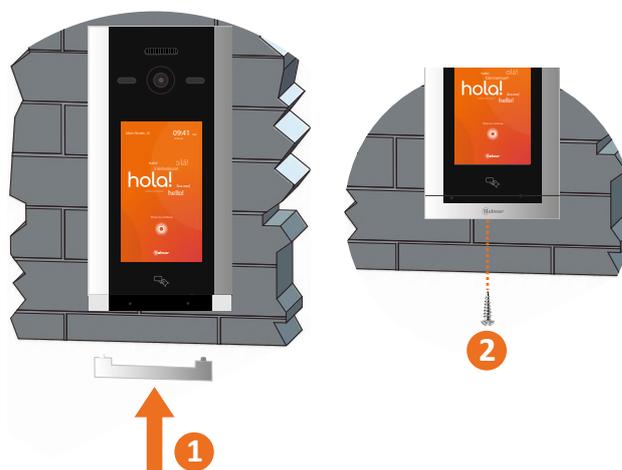
(III) Header screw should be tight using the supplied tool.

5. CONFIGURATION BY PANEL MENUS

Important initial configuration note:

One of the door panels of the installation is in charge to manage the system, it must be registered and connected into the network along all the registration process of the different devices of the installation. When starting for the first time, the door panel will request the different registration parameters to be entered.

The panel can be configured in three ways:

- By the panel menus (detailed in this section).

- By the webserver (section 6).

- By using SCT software (download the software and its manual in the downloads area of the panel).

We strongly recommed to configure the system using the Software "System Configuration Tool".

5.1 Panel registration

When the panel is connected to the network and it boots for first time, it will start with the configuration screen which starts with the language selection screen.

IMPORTANT: It is necessary that one panel is set as the master panel of the system. The master panel is set automatically on the panel which is configured as panel number 1 at the block number 1. No further actions need to be performed.

It is necessary first to register the master panel and to keep it connected into the network along all configuration process of the rest of the devices.

A. Building door panels configuration:

The Block number can take a number between 1 and 98, as it is the maximum number of blocks in a system. The door panel number can take a number in the range between 1 to 99.

Set the desired language. If a language is greyed means that the language is not yet available.

Set the **block number** as block number 1 if it is the first block, or its corresponding block number. Set the **door panel number** as number 1 if it is the first panel, or its corresponding panel number.

Choose "Automatic" network parameters assignement and the panel will reboot (IV).

(IV) Unless a specific network conflict, always is recommended to chose the automatic assignement, then the system will set each device with its corresponding IP address automatically.

The IP G+ system takes networks in the range 10.xxx.xxx.xxx in automatic IP assignement.

B. General door panels configuration:

If the panel is a general door panel, the assigned block number must be the number 99. The general door panel can call all the apartment units in the system, not only the ones in a single building as if it was a single building door panel (building panels can take the range between 1 to 98).

For a **manual assignment** of the IP parameters, follow the same process as described, but in step 3, choose the **Manual mode**, then follow the steps described below:

- Enter the device IP address.

- Enter the subnet mask.

- Enter the gateway.

- Server IP: It corresponds to the local IP address that has been set to the master panel. This IP address is the local IP address that has been set at the door panel number 1 of the building number 1. Then press validate.

- Enter the DNS address and press validate.

C. <u>About section & review the registered configuration</u>:

Review the network parameters and physical address set to this panel in the "About" page (V). To access follow this steps:
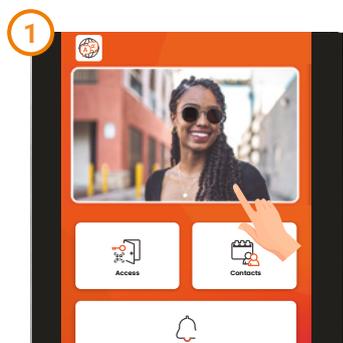
Access the configuration by pressing 5 times on the on-screen video or the welcome image (Image with the word "Hola!").
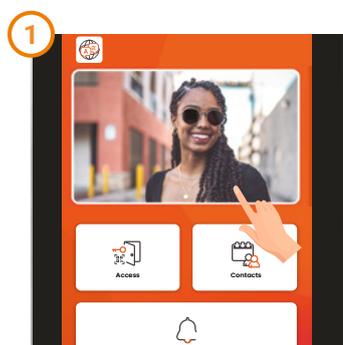

Block and door panel number set.

(V) In the about page you will find the UID of the panel for the remote management as described in the section 7 of this manual.

5.2 Installer configuration menus

To access the different configuration menus of the panel, from the home page follow the next steps:
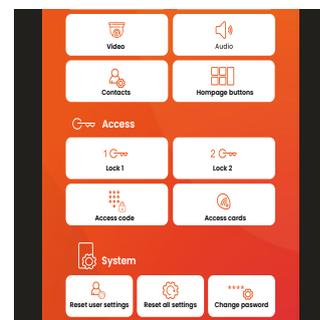

Access the configuration by pressing 5 times on the on-screen video or the welcome image (Image with the word "Hola!").

Access the configuration menu.

Enter the installer code **2718** (VI) with the keyboard and press validate.

(VI) It is warmly recommended to change the installer default password. If changed keep the new number safe, in case of lost you will need to contact Golmar customer service.

5.2.1 Door panel settings

A. <u>Address</u>:

It is possible to modify the panel registration configuration, being possible to allocate the panel in another position of the system or change its IP parameters.

Be carefull, if the panel is the master panel, it is recommended to set the panel to factory default and register it again. It must exist an other master panel in the system to perform this operation.
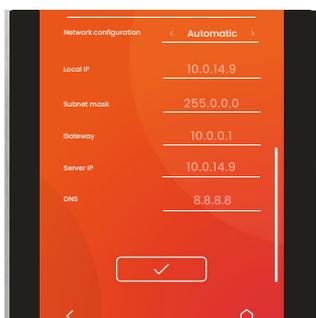

- Enter the device IP address.
- Enter the subnet mask.
- Enter the gateway.
- Enter the IP address of the master panel. This IP address is the local IP address that has been set at the door panel number 1 of the building number 1. Then press validate.
- Enter the DNS address and press validate.

B. <u>Display</u>:

In the display settings section, you can select:

- The background color of the door panel, choosing between orange and black.
- Adjust the duration or disable the welcome image displayed on the screen when the door panel is activated from standby.
- It is possible to add the name of the street or building to be displayed on the main screen, as well as to show or hide the date and time on the screen.
- Modify the native language in which the door panel is displayed when it wakes up from idle (VII).
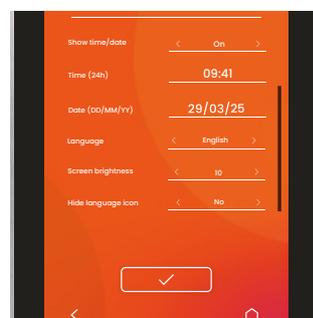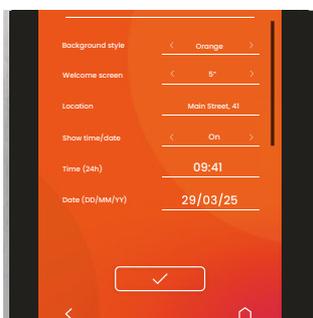
(VII)The door panel will come back to the selected native language when it goes to the idle state after use, even if the language is changed from the main screen by the end user.

C. <u>Video</u>:

From the video settings section, it is possible to select whether the video transmitted to the monitors in a call or preview process comes from the door panel itself or from any registered CCTV camera in the system. It is also possible to modify the operation of the illumination LEDs, choosing between always on, always off or to turn them automatically depending on the light conditions of the place.
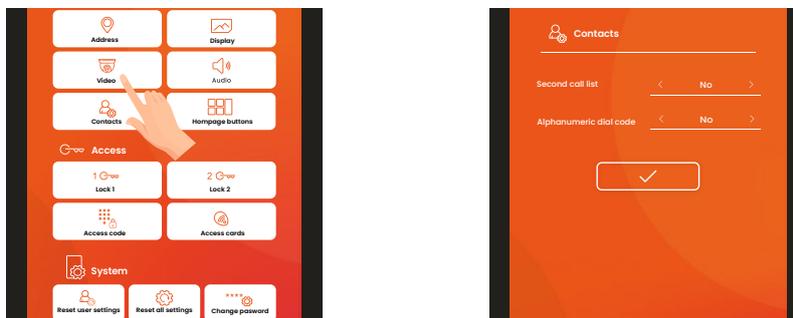
D. <u>Audio</u>:

The audio settings section allows to adjust the speaker volume and microphone gain, enable or disable the door panel's acoustic messages and adjust the volume at which they are emitted. It is also possible to enable or disable the tamper alarm (VIII) and the tone emitted by the door panel when the touch screen buttons are pressed.


(VIII) The panel is equipped with a tamper, when selecting this option, the panel will emit an alarm tone when removed from the wall box.

E. <u>Contacts</u>:

In IP G+ system the contracts are added at the time to register a monitor. If the monitor from an apartment unit is not registered it won't appear in the panel namelist.

In this section it is possible to set the following parameters:

- Second call list: Use a second relational table, for calling the monitor addresses, which needs to be edited from the webserver of the master panel. Check the section 6.5 for more information.
- Alphanumeric dialling method: Allows to use dialling codes containing numbers and letters. Second call list needs to be enabled first.
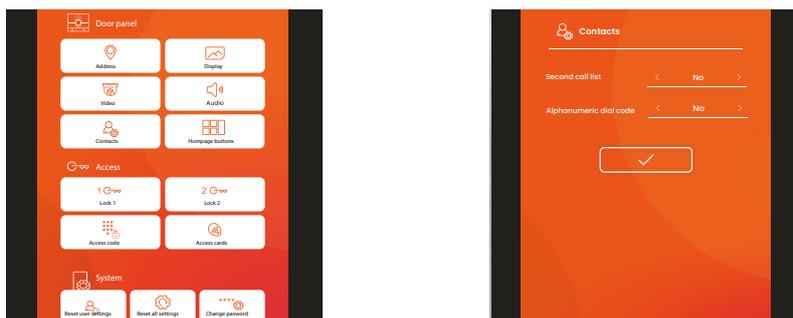
F. Home page buttons:

The home page buttons settings section, allows to select which options appear on the panel's home screen.

Display visitor on screen:

When selecting this option, the image from the visitor will be displayed on the home screen, as well as in the call and communication process. The video stream will remove the overlap the welcome image. This option does not take effect when the option set contact list as main page is enabled.

Contacts:

It will enable a button to access the contacts list. In this method the contacts will display all informatino, like the avatar picture or logo or photo chosen as well the extra information.

Concierge:

It will enable the concierge button. If there is only one concierge it will directly call. Otherwise it will open the concierge lists to select the desired one.

Access:

This option enables the access control through PIN code button.

Deliveries:

The deliveries function will make appear a button for trades. Pressing this button the door will open automatically. This button will only appear within the time frame preset. Chose the tool ⚙ to set the time parameters and lock activation.

Villa mode:

With this mode enabled, by pressing the bell button, the door panel will call the address number 1.

Set contacts list as main page:

When this option is active, the panel will wake up on the contacts list. It will display the extended information contacts list.
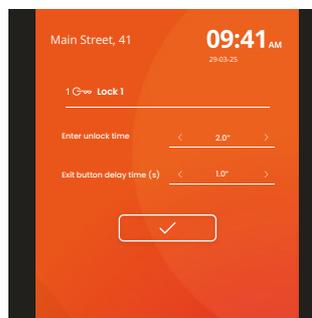
5.2.2 Access settings

A. Lock 1 & Lock 2:

From the "Access" menus it is possible to modify the settings of the door release relays and the exit button delay time. The same procedure must be followed to modify the parameters of door opener 2.
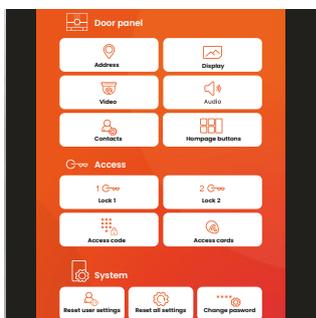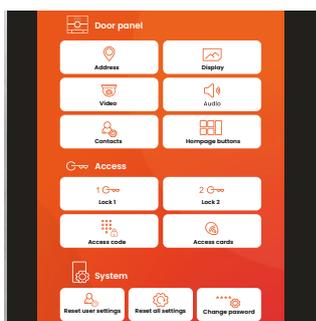

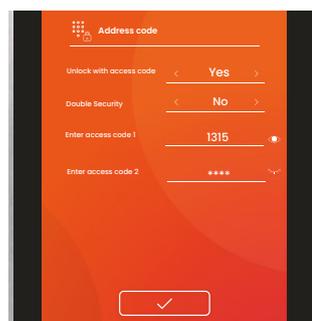From the "Access" section of the settings select which door opener you wish to set.

Enter the opening time of the relay (0.5s - 10s) and the delay time of the external door opening push button (0.5s - 10s).

B. Access codes:

From the "Access" section of the settings, select the "Access code" option.

- Select whether opening by code is enabled or disabled.
- Select which lock release can be unlocked, choosing between lock release 1, 2 or both, and enter the desired access codes (4 digits).
- Both codes are valid for unlocking the door openers, regardless of which one is activated.
- Double security: It is possible to increase access security by requiring the user to present the proximity key fob and enter the access code to open the door.

C. Access cards:

To manage the access cards, select the access cards option. Chose if you want to add user cards, administrator cards or perform a cards deletion. The RFID antenna of the panel can be disabled by setting: "No" in the access cards field.
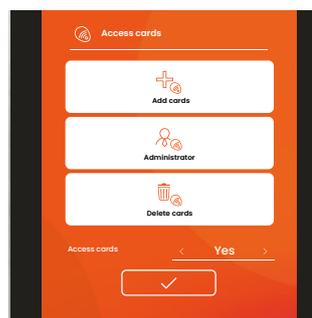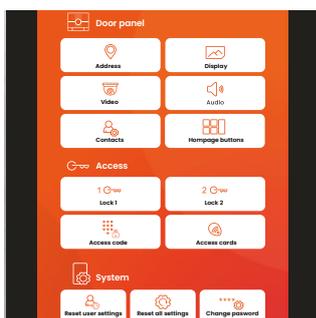
- **Add user access cards:**

If you wish to add access cards for users, you must select the "Add cards" option. The next screen to appear will be the contact list of the site. The cards will be asociated to an apartment unit:
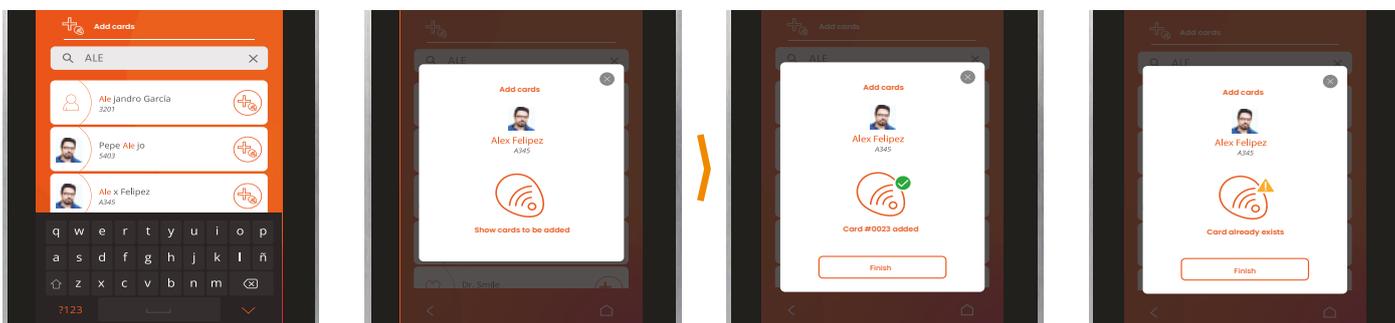
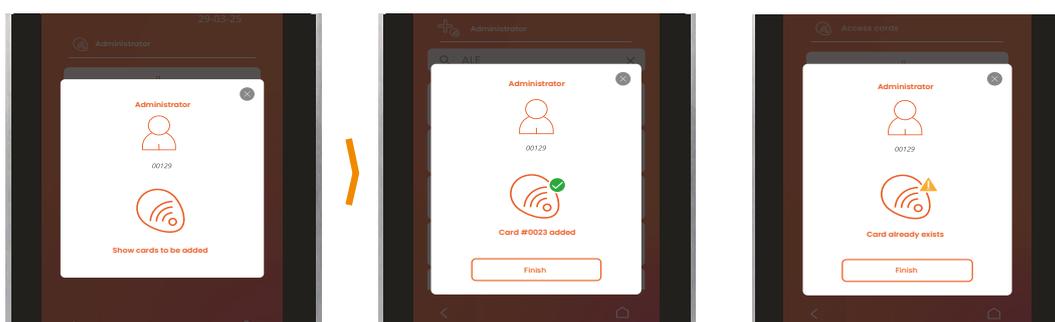Select or enter the contact and validate to continue.

Show the card to register and wait for the confirmation message.

If the card is not registered, it will be registered correctly.

If the card is already registered, the door panel will display the following screen.

- **Add administrator access cards:**

If you wish to add access cards for administrators, such as the building janitor or the community manager, you must select the "Administrator" option and follow the same steps as in the case of adding access cards for users. Cards assigned to an administrator are not assigned to any dwelling.

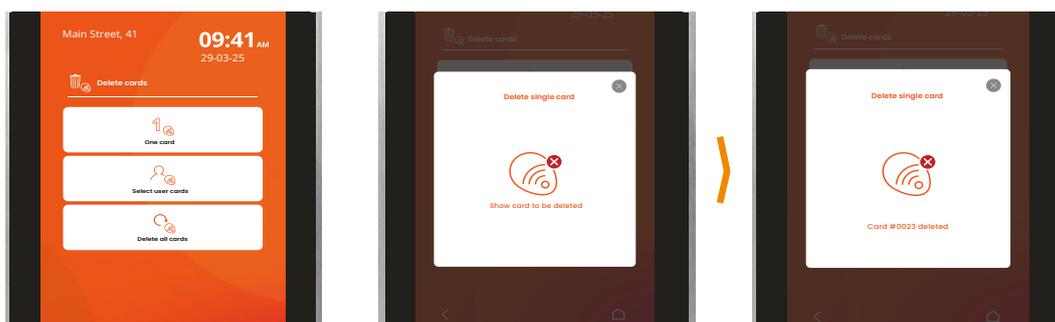Show the card to be registered and wait for the confirmation message.

If the card is not registered, it will be registered correctly.

If the card is already registered, the door panel will display the following screen.

- **Delete cards:**

If you want to delete the access cards registered on the door panel, you must select the option "Delete cards". The door panel will show the option of deleting a single card (One card), delete all cards in an apartment or delete all access cards registered on the door panel. The following shows how to perform each of the different options:

To **delete only one card** from the 6507/G+ access cards database, you must perform the following steps:
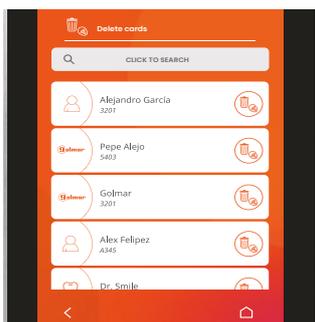

Select the "One card" option.

Show the card to be deleted and wait for the confirmation message.

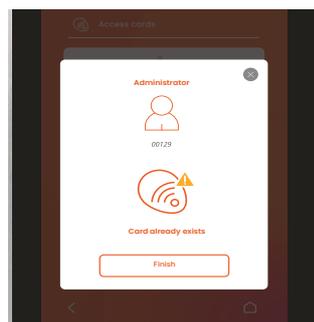If the card is registered, it will be successfully deleted.

In case there is an agenda, to **delete all the access cards registered in one of the apartments**, you must perform the following steps:

Select the option "Select user cards" and press validate.

Select or search for the contact for which you want to delete the access cards.

Confirm that you want to delete the access cards of the selected contact. If the contact has registered cards, they will be deleted.

To delete all the access cards registered on the door panel, select the "Delete all cards" option and confirm the deletion on the following screen.

5.2.3 System settings

System section allows you to delete the user settings of the door panel, delete all settings and change the password to access the door panel settings.
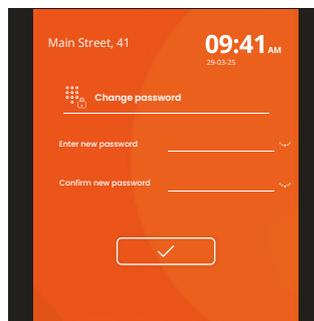
The following shows how to change the password to access the door panel settings. It is recommended to change the password to avoid any changes to the door panel settings that may compromise the operation of the system.

Click on the "Change password" option.
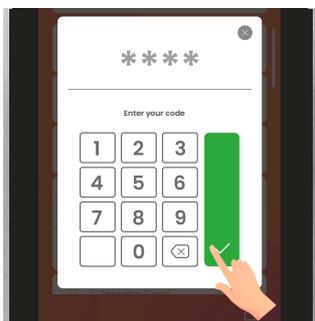
Enter the current installer code. The default code is **2718** (IX).

Enter the new password, confirm it and validate the change later.

(IX) It is warmly recommended to change the installer default password. If changed keep the new number safe, in case of lost you will need to contact Golmar customer service.

If you wish to delete the personal settings of the panel (address book, door opener settings, welcome images, etc.), select the "Reset user settings" option and confirm your choice later. If you wish to return the panel to factory settings, select the "Reset all settings" option and confirm your choice afterwards.

6. CONFIGURATION BY WEBSERVER

6507/G+ touch panel can be configured via its webserver. To do this, you need to connect your computer to the network.

The factory IP address of the panel is **10.0.0.254**. Check that your computer network connection is in the same range. To change your computer network parameters perform the following steps:
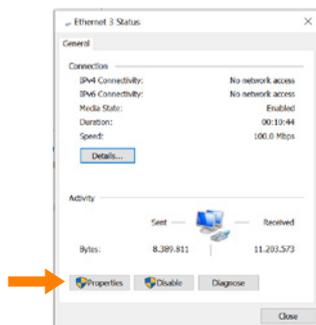
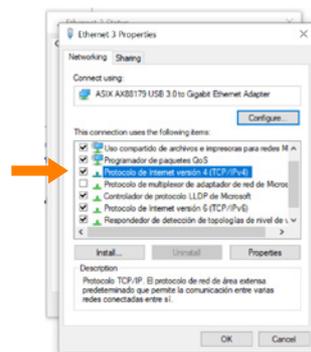1. Go to network settings in control panel:
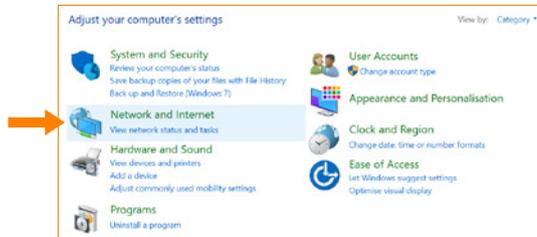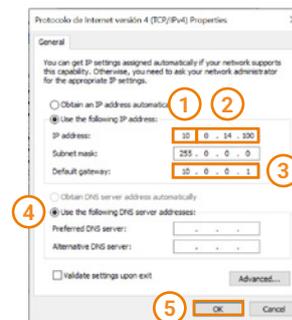

2. Change the active Ethernet network:
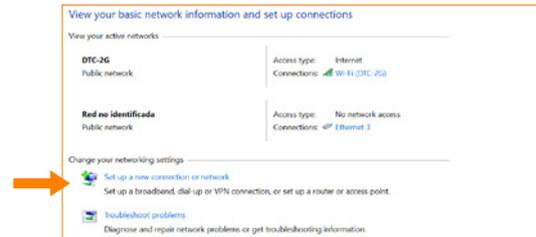
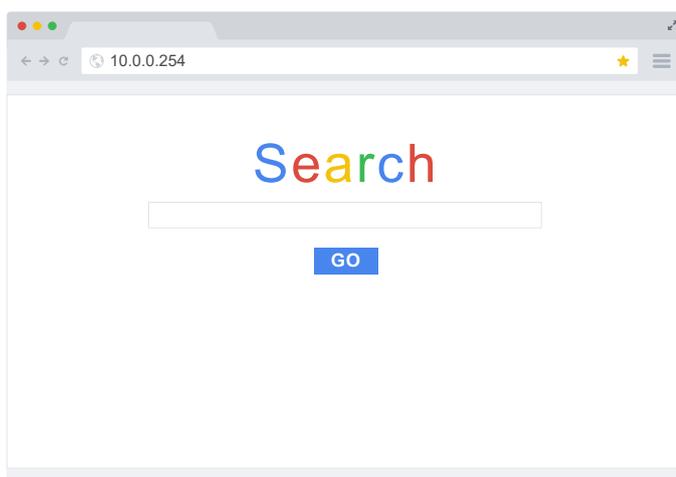3. Enter into "properties":

4. Select Internet protocol IPv4:

5. Set the IP range:

① IP address should start by 10

② Next three numbers should have a value lower than 255

③ Assign 10.0.0.1 as Gateway

④ Do not assign DNS

⑤ Confirm settings

Now the computer is configured to work in the same IP range as the panel.

- Type the IP in the browser: **10.0.0.254** (factory value)

- Login to the webserver. The default password is **2718**.

6.1 Settings

The initial screen of the web client is described below:

① Block number (1-98) (X)	⑦ Separate general door panels' name list by buildings
② Door panel number (1-99)	⑧ Device edition by itself
③ Floor number	⑨ Network parameters (XI)
④ Time	⑩ Associate an IP Camera
⑤ Date	⑪ Apply established settings
⑥ Sort name list alphabetically	⑫ Go to the following

(X) In case of a general panel, set the block number field as 99.

(XI) If the automatic settings is enabled, it is not needed to assign any network parameter, the door panel will take them automatically.

All panel parameters can be set from the webserver. Some are not available in the panels menu.

- **Allow devices edition:** This option will allow the end user to edit his own access code and name from the monitor "User setting" screen.

- **Sort general panels namelist by buildings:** This option will list all users from a site in one single list, unifying all buildings users.

- **Associate camera:** This option will allow to stream the video from an external IP camera by ONVIF protocol. The camera neeeds to be added into the panel devices list first.

- **Villa mode:** With this mode enabled, by pressing the bell button, the door panel will call the address number 1

- **RTSP enable:** Allows that an NVR targets the panel video RTSP stream, so the audio and video from the panel camera can be recorded 24/7. To perform this action contact Golmar customer service. Golmar only grants full cmpatibility with Golmar CCTV NVR's.
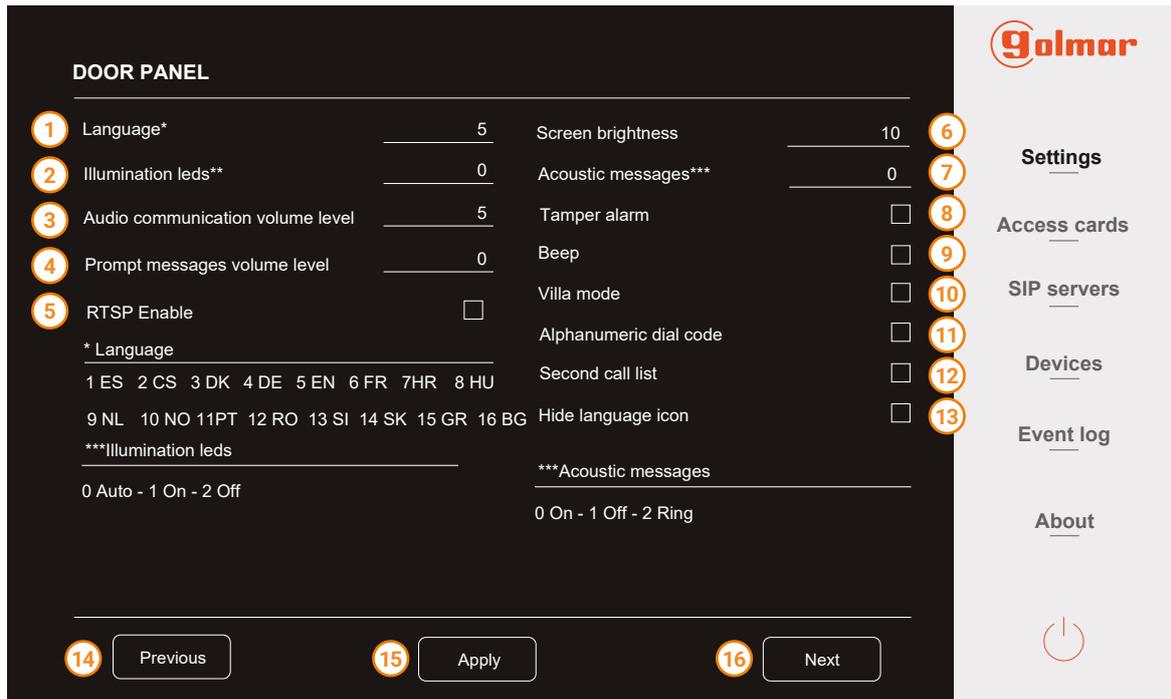
| ① Language | ⑨ Enable pressing confirmation tone |
② Illumination LEDs	⑩ Enable villa mode
③ Audio communication level	⑪ Enable alphanumeric call code
④ Prompt messages volume level	⑫ Enable second call code
⑤ Enable the RTSP stream	⑬ Hide language code
⑥ Screen brightness	⑭ Go to the previous
⑦ Enable prompt messages or tones	⑮ Apply established settings
⑧ Enable tamper alarm	⑯ Go to the following screen

- **Double security:** When this function is enabled, the door panel requests to enter the user own access PIN code when an RFIS access card is presented to the RFID reader to open the door.

- **Access code 1 & 2:** This is a generic access code, which can be used by the managment of the building. Codes can be between 4 and 12 digits.

- **Access cards:** Sets if the panel is using or not RFID access cards.
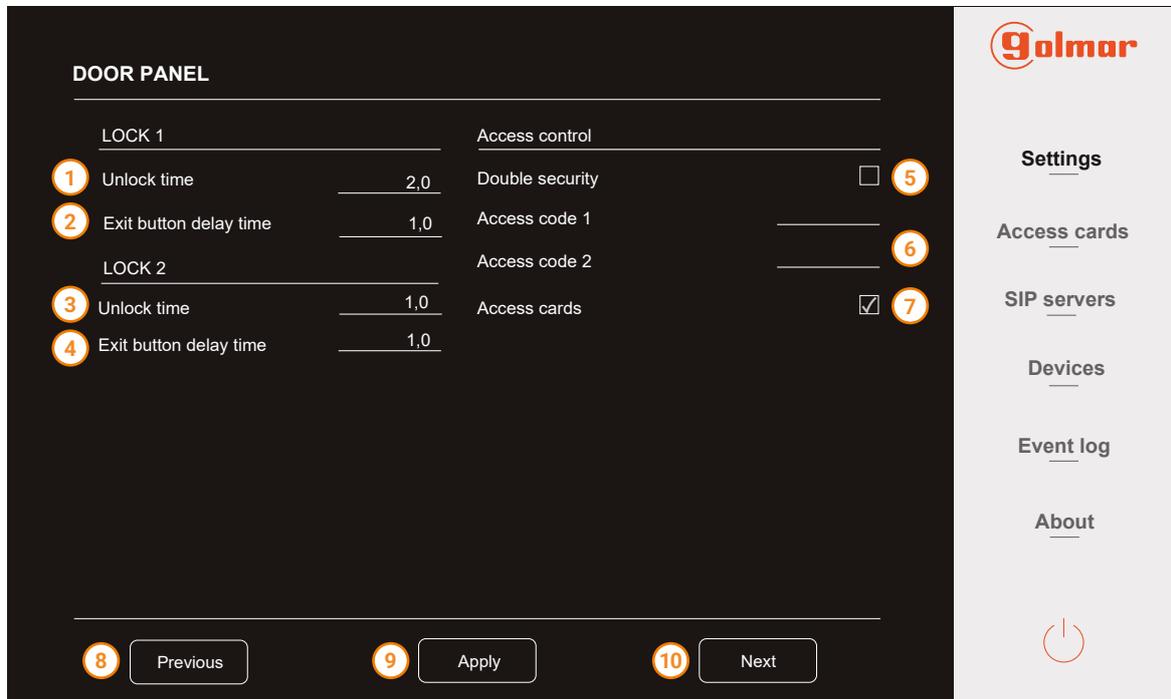
①	Door opener opening time 1	⑥	Administrator access codes 1 and 2
②	Delay of the AP exit button	⑦	Enable RFID reader
③	Door release opening time 2	⑧	Go to the previous screen
④	Delay of the AP exit button	⑨	Apply established settings
⑤	Enable double security (XII)	⑩	Go to the following

(XII) When the user swipes the key fob or RFID card, the panel will ask the user to enter the access code.

You can set two different welcome page in 6507/G+ panel. The first is the one which appears during a wake up process. This image will last for the seconds set in the Duration field. Set the Duration to 0 to avoid showing it when the panel wakes up from idle state.

The second image is the one which appears in the home screen, unless the option "Display visitor on panel screen" has been selected.
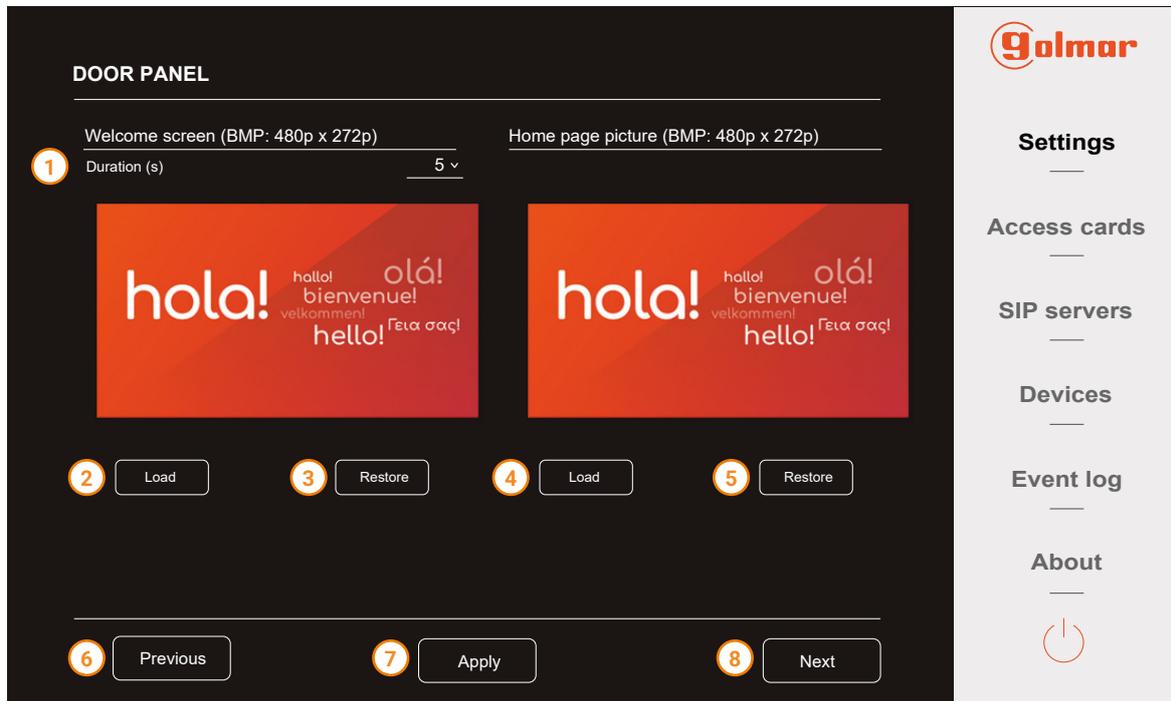
① Duration of the welcome screen. Set 0 to disable it

② Upload a new welcome screen (XIII)

③ Restore the welcome screen to factory default

④ Upload a new home page screen (XIII)

⑤ Restore the home page screen to factory default

⑥ Go to the previous screen

⑦ Apply established settings

⑧ Go to the next screen

(XIII) The file must be in BMP format and 480 x 272px.

- **Trade button configuration:** This function allows the panel to open the door lock selected, by simply pressing the key button. This action only is valid in the preset period of time. Out of this period of time the panel won't show the Deliveries button.
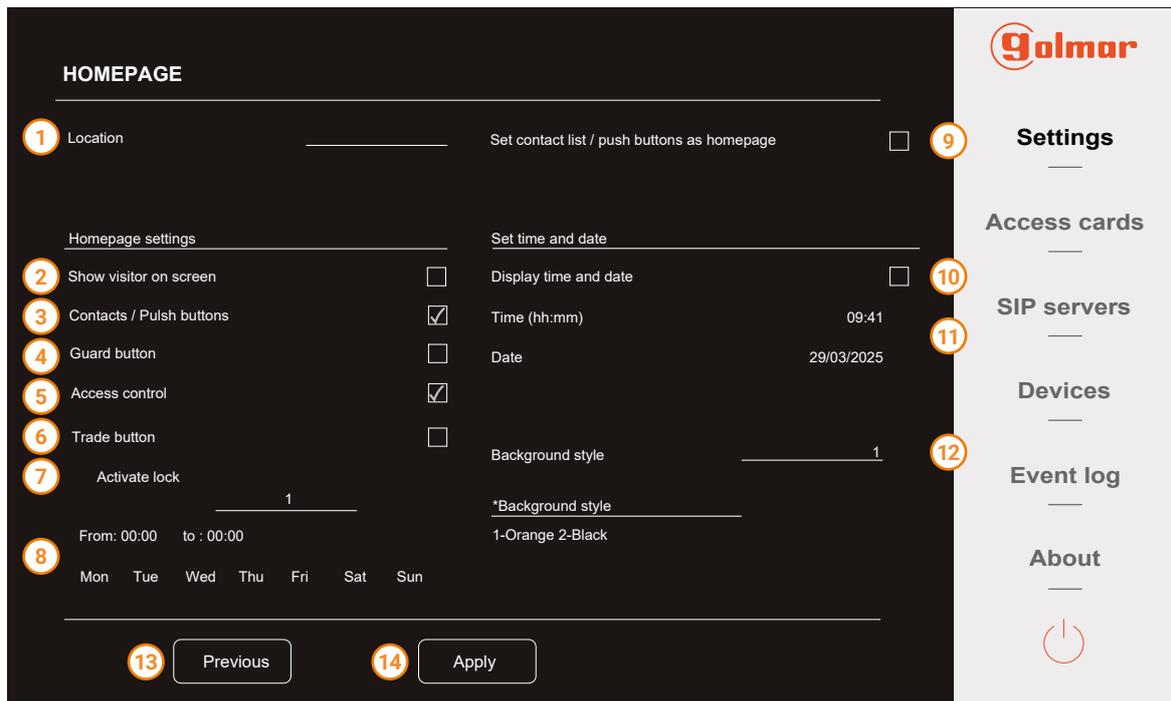

1 Building location address
2 Panel camera stream
3 Agenda or push buttons
4 Call button to concierge
5 Access control button
6 Trade button
7 Selection of door lock for delivery button

8 Period of activation of the delivery button
9 Set agenda or push buttons as main screen
10 Show time and date on screen
11 Set time and date
12 Background color selection style
13 Go to the previous screen
14 Apply established settings

6.2 Access cards

In the "Access cards" section it is possible to check how many access credentials, cards or fobs, are registered in the door panel and to which apartment unit the access credential belongs. The door panel also shows the Card ID number of each access credential.

It is possible to export the access credential list and import an existing file from another door panel in the installation.
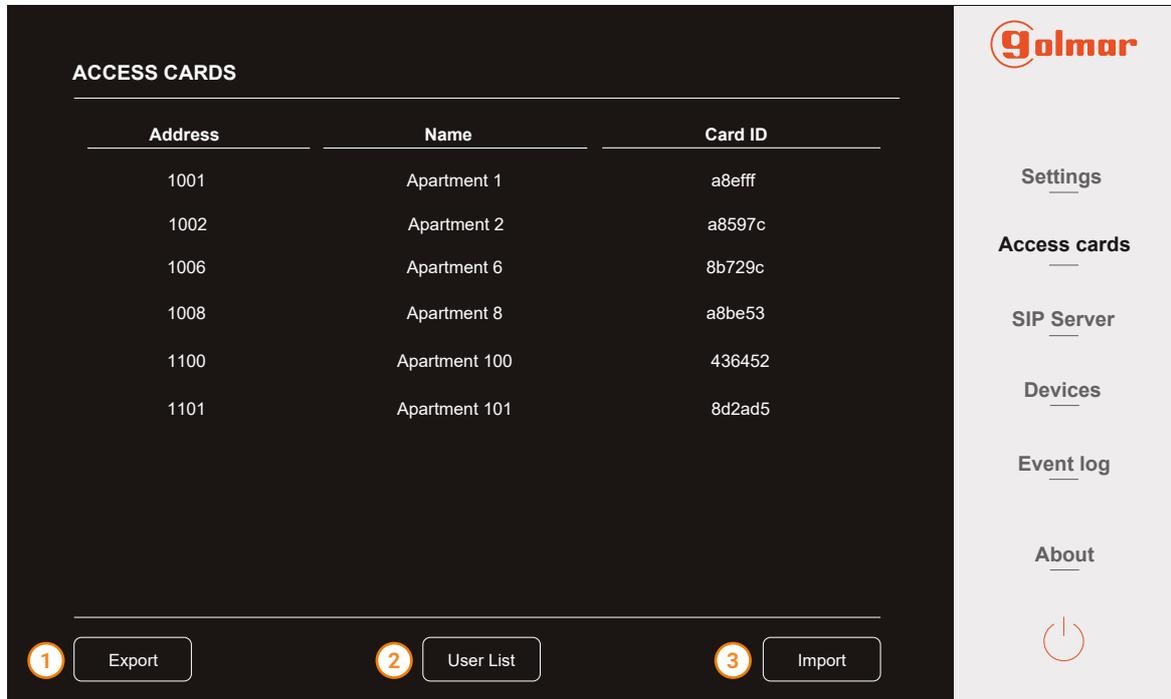
① Export access credential list file

② Export device list Excel file

③ Import access credentials list file

For remote management it is possible to edit the csv file and register new cards by using the USB reader USB-1356.
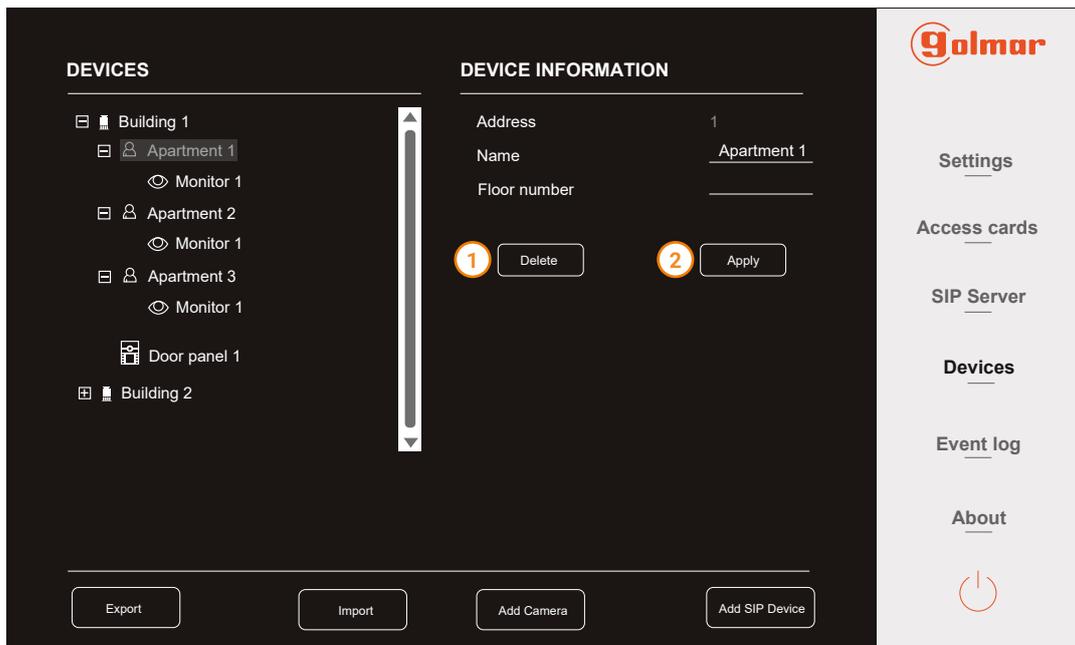
6.3 Devices

In the "Devices" section, it is possible to check which devices, such as monitors, panels or cctv cameras are registered in the system and edit them.

NOTE: Devices section is only visible in the master panel, since this is the one which manages the system device's registrations.

- **Monitor's edition:**

It is possible to modify the name of the monitors appearing on the panel's namelist, check which IP address has been assigned, and set a floor number to which the monitor belongs, if there is any lift control unit in the system.

① Delete the apartment

② Apply changes

③ Delete the monitor

- **Door panel's edition:**

It is possible to modify the names of the panel which appears in the devices list, check which IP address they have, and set a floor number, if there is any lift control unit in the system. It is also possible to manage the visibility, to set which apartments can preview the door panel images and which cannot. General panels are always visible by the monitors.

- **Export the devices list:**

It is very important to make a backup copy of the panel's device list configuration. In case the master panel is to be serviced, we can easily upload the devices configuration into the new panel using this file.

A security copy is performed in the local microSD card supplied with the panel. It needs to be plugged into the SD card slot at the panel side. To upload the SD card information to the new panel, contact Golmar customer service.
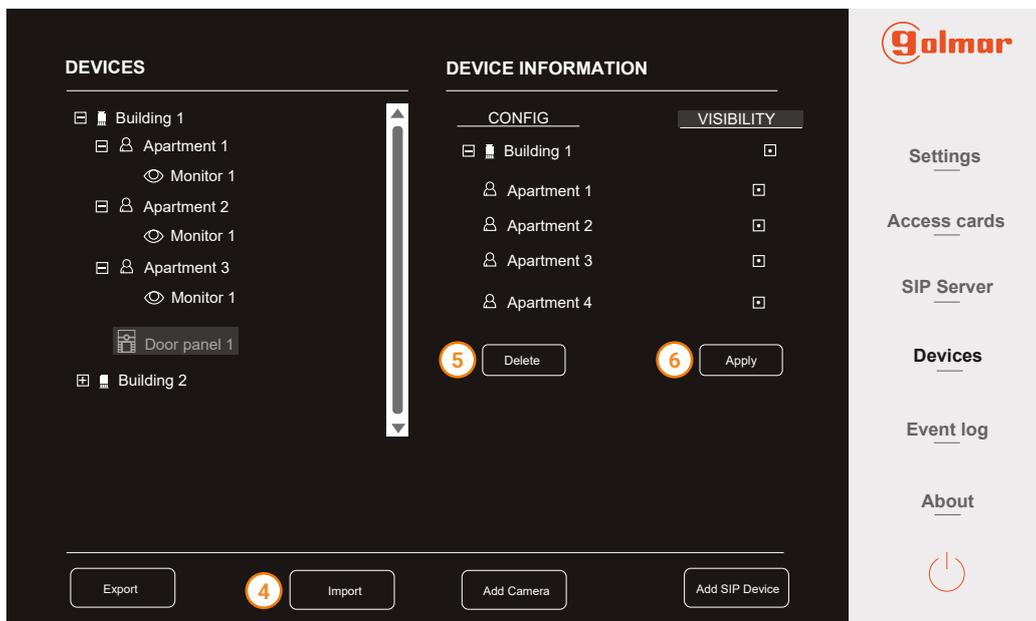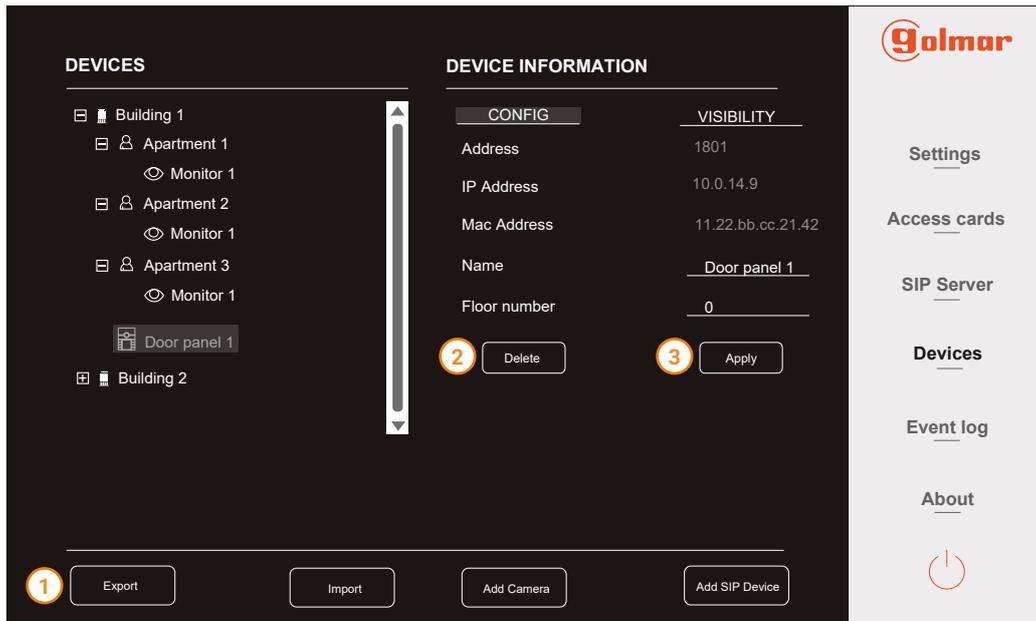
① Export the device list
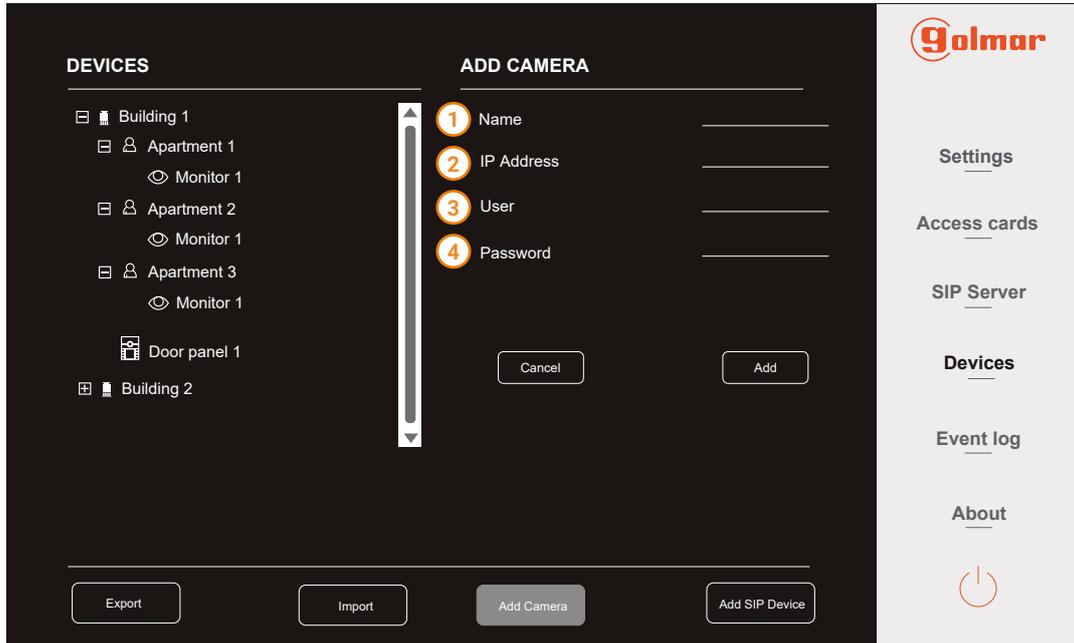② Delete the door panel
③ Apply changes

④ Import a device list
⑤ Delete the door panel
⑥ Apply changes

- **CCTV cameras:**

It is possible to add CCTV cameras, which are connected into the network. The cameras need to be ONVIF compatible and they need to be in the same IP network range. Golmar only grants full compatibility with Golmar cameras.

① Set a name for the camera

② IP address of the IP CCTV camera

③ User of the CCTV camera webserver

④ Password to access the camera webserver

The CCTV camera needs to set the video parameters:

- **Stream channel:** Substream

- **Resolution:** 640 x 480 max

- **FPS:** 25

- **Compression:** H.264

- **Codification:** Baseline

- **Biterate:** CBR, 512

- **Frame interval:** 20ms

6.4 SIP Servers and VoIP phones

From the "Devices" section it is possible to add SIP devices. SIP device need to be SIP 2.0 compatible.


① Set a name for the SIP device

② Block in which the VoIP device is to be registered (1-98)

③ System address for the VoIP device (1-799)

④ 0 static IP - 1 to 30 from the different SIP servers (XIV)

(XIV) If the IP transmission mode is chosen 0, it is necessary to fill an addtional field with the IP address of the target SIP device to be created. If the mode is 1-30 it will be necessary first to register the panel into the PABX server as explained underneath.

In the "SIP Servers" section, it is possible to check how many SIP Servers are registered in the door panel and create new ones. The maximum number of SIP Servers is 30. To get supported on how to register the panel into a SIP server contact Golmar customer service.
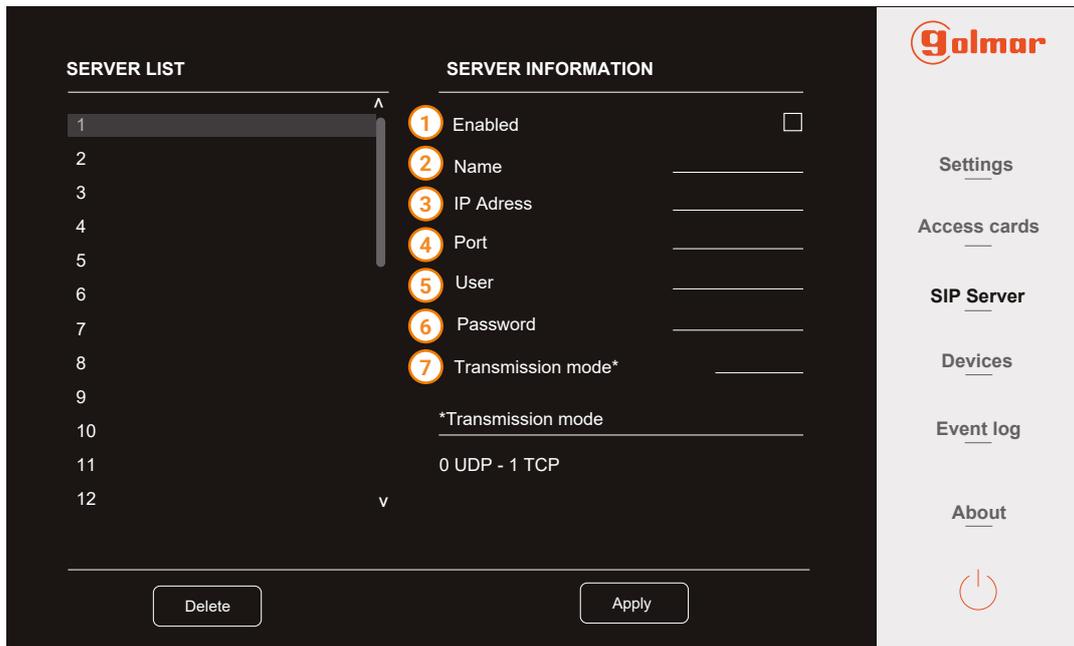
① Enable/Disable the SIP Server

② Name of the SIP Server

③ IP Address of the SIP Server

④ Communication port. 5060 by default

⑤ Created extension for the door panel

⑥ Password of the created extension

⑦ Transmission mode (0 - UDP - 1 - TCP)

⑧ Delete the selected SIP Serve

⑨ Apply set parameters

6.5 Second call list

The second call list, allows the installer to set the dialling codes different than the system codes. It allows the dialling through any other code, even alphanumeric codes. The correlation of the monitor system address and dial code must be set through the webserver of the master panel.
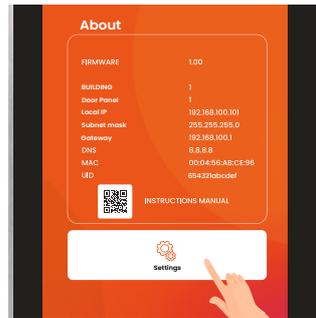
The activation can be done though the panel menus or through the webserver of the master panel only.

NOTE: To use second call list the master panel must be a coded panel. Nexa panel does not implement such feature.
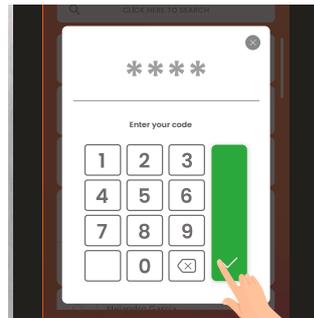
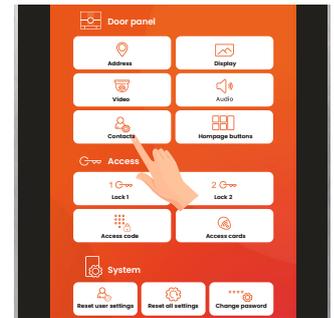Below appears how to enable the second call list directly in the door panel menus:
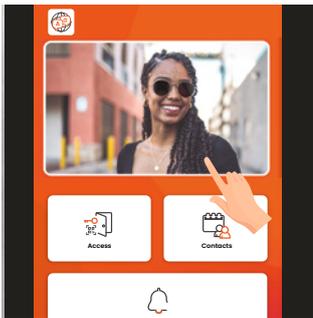
Access the configuration by pressing 5 times on the on-screen video.


Press the "Settings" option.

Enter the installer code **2718** with the keypad and press validate.

Enter the contacts settings.

If the second call list is enabled in the door panel, it is possible to manage the dialling codes through the webserver devices section.

When the apartment is chosen, the fields in the picture below will appear. It is possible to assign up to 10 different names with 10 alternative call codes to the same apartment, for example two flat mates that live together and would like to appear both in the namelist.
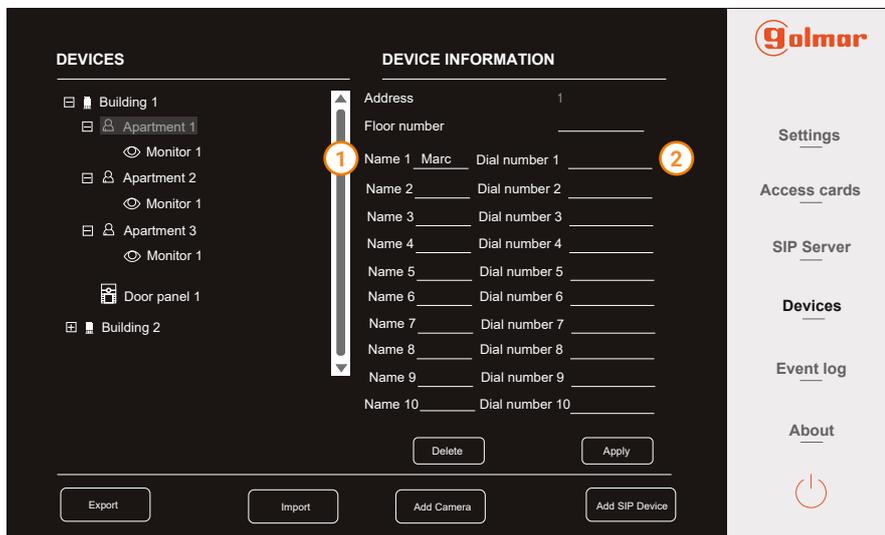
① Alternative names
② Alternative call codes

NOTE: The event logs are associated to the system address, not being possible to know if it was called one or another from the users registered out of the 10 under the same system address apartment unit. As well, it is not possible to identify which user in the apartment unit did open the door by the access code.

6.6 Event log

In the "Event log" section it is possible to check the events in the installation, and which devices involve. It is possible to see the time and date when the event occurred and export the event log list into an Excel file.

① Go to the previous screen
② Export event log Excel file
③ Go to the next screen

6.7 About

In the "About" section it is possible to check the local information of the door panel, the physical address, and network parameters. It is also possible to check the hardware and firmware version of the device and change the password to access the settings.

① Restart the door panel
② Reset to factory default settings
③ Update the door panel firmware

- **Update:** It will update the FW version of the device. Choose the bin file to update the firmware version of the door panel.

WARNING: Do not remove the power or LAN connection during FW upgrade, it takes few minutes. If the upgrade is interrumped it may damage the panel.

- **Diagnosis:** If you find an strange behaviour of the panel, you can export the log file of the panel and share with Golmar customer service.

7. REMOTE CONNECTION TO WEBSERVER

It is possible to remotely access the door panel's webserver, i.e. without connecting the computer directly into the same physical LAN.

To do this, you must give the door panel network parameters that allow it to access the Internet (Gateway and DNS). You will know that the panel is connected to the server, when the cloud icon appears in the main screen .

Open a web-browser in your computer and type the URL "sixty5.golmar.cloud" in the search bar of the browser. Once in the webpage enter the UID of the door panel in the "Cloud ID" field and the settings access password (2718 by default) in the "Device password" field to access the device's web client remotely.
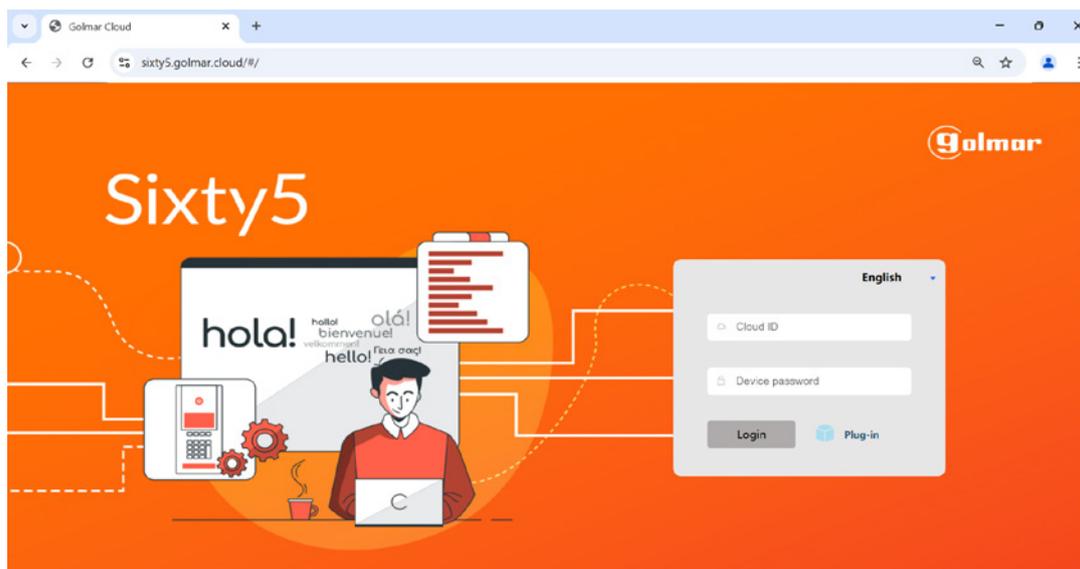
NOTE: You may be asked to install the plugin. The plugin is necessary to perform the remote connection. We are constantly improving the security and performance of our systems. If one day the website seems not to work, remember to reinstall the pluggin as it might have been changed.
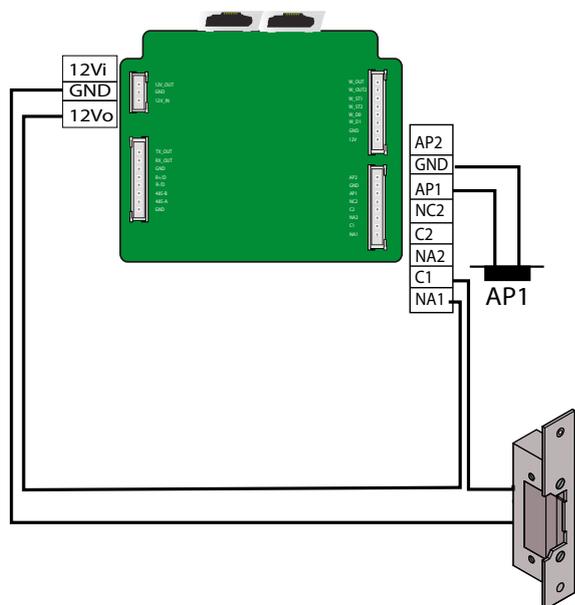
8. CONNECTION SCHEMAS

8.1 Connection of one door lock release

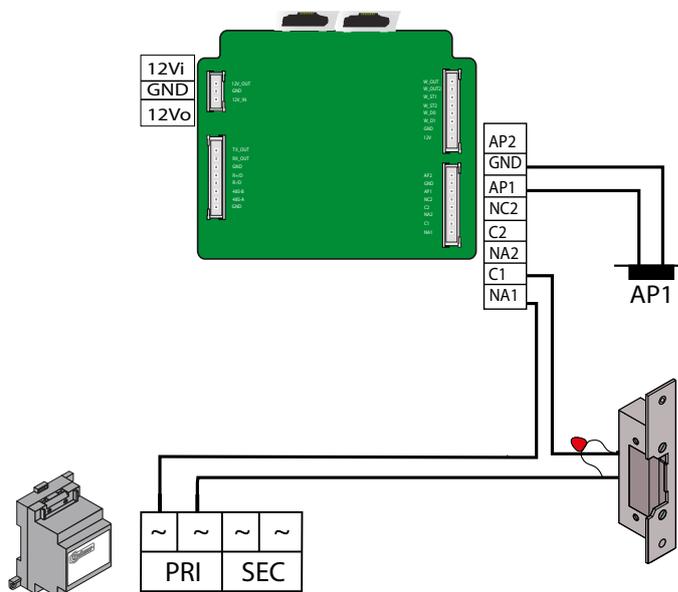**NOTE:** Always remember to connect the protection baristor component supplied with the lock.

AP1 is an exit button.

We strongly recommend to use Golmar locks. The panel does not support more than 12Vdc-270mA.

The panel supply 12Vdc power. For AC locks it is necessary to add an external transformer.

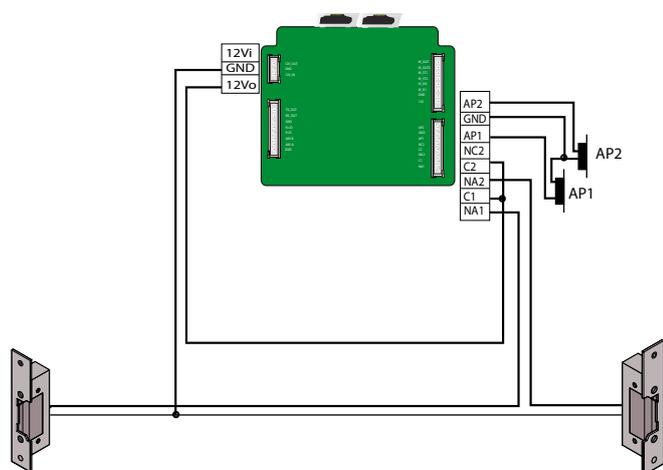DC door lock release

AC door lock release

8.2 Connection of two door lock release

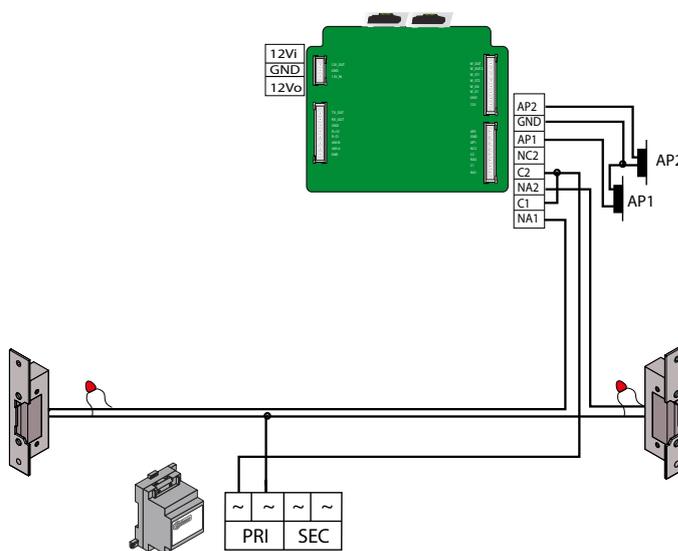**NOTE:** Always remember to connect the protection baristor component supplied with the lock.

AP1 is an exit button.

We strongly recommend to use Golmar locks. The panel does not support more than 12Vdc-270mA.

The panel supplie 12Vdc power. For AC locks it is necessary to add an external transformer.

Two DC door lock release

Two AC door lock release

8.3 Typical network connection layout

- This type of installation is done using PoE switches with compliance with IEE 802.3af. We strongly recommend to use Golmar PoE switches SW-104..SW-124.

- In case of Golmar switches, do not user port #1 for panels. Reserve it for monitors or audio units.

- Network distances need to respect 100m between points.

- PoE switches need to be linked using the Up-Link, we recommend not to daisy-chain more tha 14 PoE switches by the Up-Link port. Use another base switch instead as shown in the diagram.

Connect into the LAN port
marked with a monitor
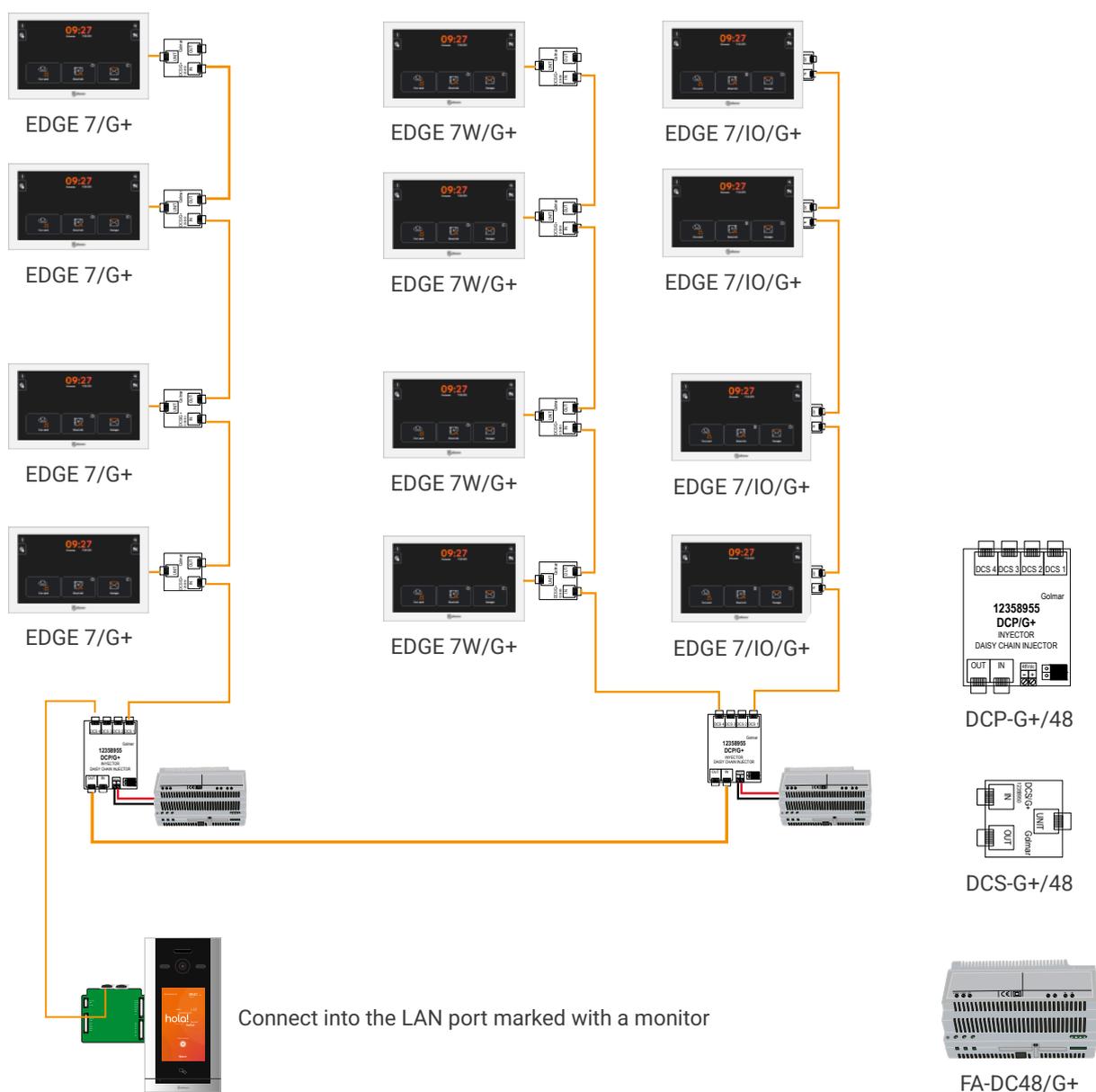
Base switch

To next switch
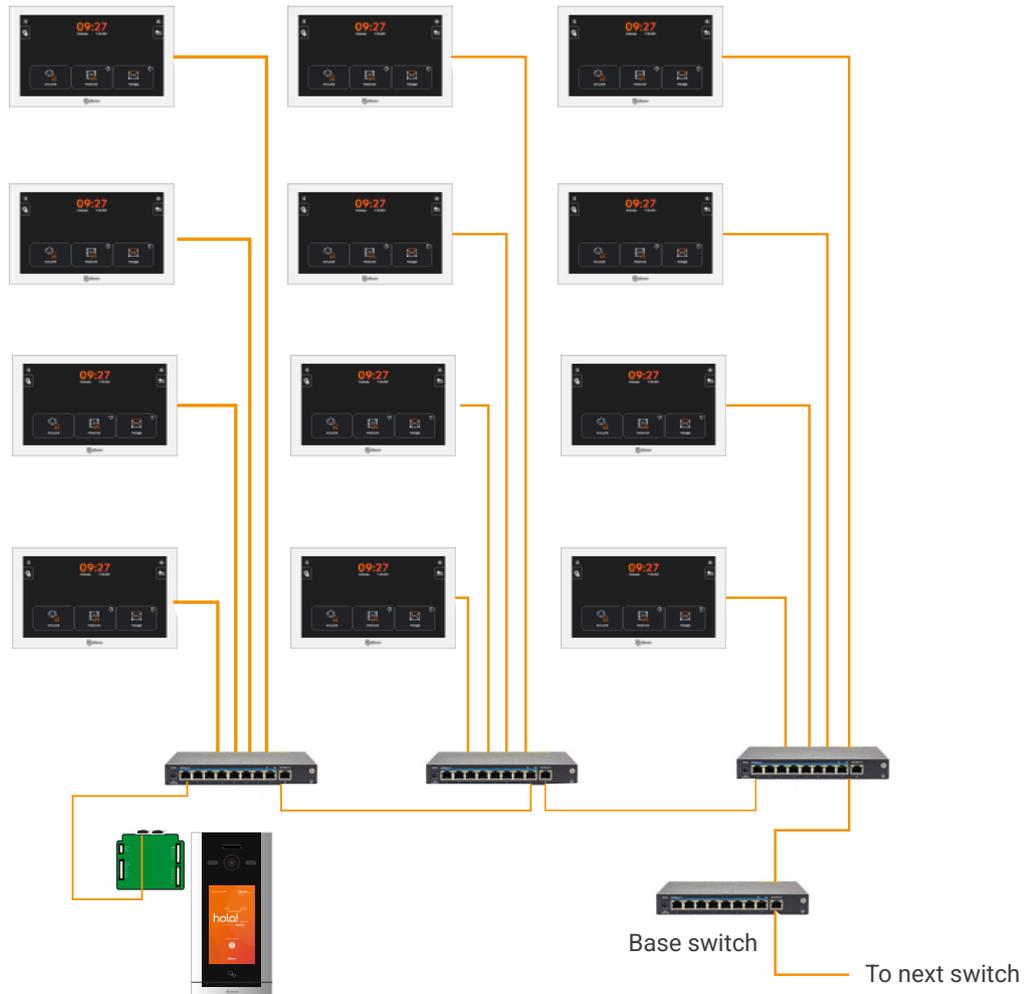
8.4 Daisy-chain IP G+ BUS connection

Golmar developed a BUS solution for IP installations, which makes more flexible the connectivity and layout of the installations as if it was a traditional BUS topology.

It is possible to make connections in daisy-chain. (in-out) thanks to Golmar IP G+ BUS. To do so, use the DCP-G+/48 and DCS-G+/48 switches or use an Edge 7/IO/G+ monitor which has input and output LAN ports.

Necessary elements to complete an installation in daisy-chain (in-out):

- FA-DC48/G+ power supply for each DCP/G+ injector.

- Each DCP-G+/48 injector can power up to 20 EDGE monitors.

- Use a DCS-G+ units for each monitor in the connection chain of monitors.

- Choose 6507/G+ door panels, or a modular composition for the Nexa panel to be able to register all the units in it and set a video intercom system as below.

- Power on the door panels through standard PoE switches or directly into the DCP-G+/48 output.

- It is possible to connect an other DCP-G+/48 at the output of a DCP-G+/48. Respect a limit of 40 devices connected through the in-out ports to avoid the latency of the system to become too high.

EDGE 7/G+   EDGE 7W/G+   EDGE 7/IO/G+

EDGE 7/G+   EDGE 7W/G+   EDGE 7/IO/G+

EDGE 7/G+   EDGE 7W/G+   EDGE 7/IO/G+

EDGE 7/G+   EDGE 7W/G+   EDGE 7/IO/G+

DCP-G+/48

DCS-G+/48

Connect into the LAN port marked with a monitor

FA-DC48/G+

We recomend to use FA-DC48/G+ power supply (48Vdc 3 Amp). Other power supplies might be used to reach a higher number of monitors in the chain. Consult our customer service for such request.

iPG+

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