



Sixty5 Connected Coded Panel

6502/GCLOUD



INSTALLER MANUAL

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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.
- The current regulations oblige to protect the power supply by means of a thermal magnetic circuit breaker.
- All the installation conduits must distance at least 40 cm from any other installation.
- Danger of electric shock.

2. G-CLOUD SYSTEM SPECIFICATIONS

- IP SIP video intercom system with GCloud technology.
- Installation over Ethernet network.
- 100 x blocks per site.
- 100 x panels per block.
- 1000 x apartments/users per block.
- 256 CCTV cameras and 6 SIP servers per panel.

3. PANEL DESCRIPTION

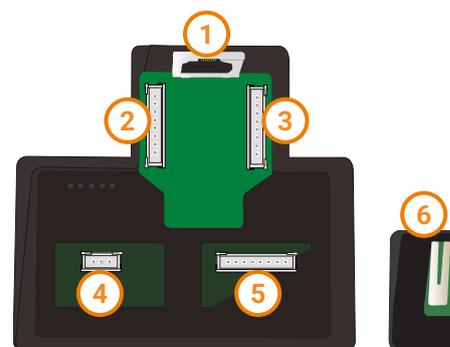
A. Front:

- ① IK07 and IP65
Working temperature: -40~60°C
- ② 130° wide angle camera
- ③ White LEDs for night vision
IR sensor
- ④ 4,3" TFT LCD 480 x 272 px
- ⑤ Navigation menu
- ⑥ Numeric keypad
- ⑦ RFID Reader
Light sensor
- ⑧ Board fixing screws
- ⑨ Header
- ⑩ Head fixing screw



B. Connection terminal:

- ① RJ-45 LAN connectors
- ② 2SAFE connector (I)
- ③ Wiegand connector (I)
- ④ 12V connector (II)
- ⑤ Relays block
- ⑥ Anti-vandal tamper

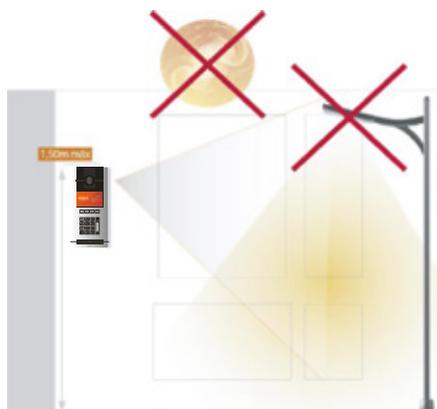


(I) Refer to **IP Opener manuals** for Wiegand and 2SAFE connections.

(II) In case to power the panel with a local power supply, the ethernet cable cannot be connected to a PoE output of the switch.

4. PANEL INSTALLATION

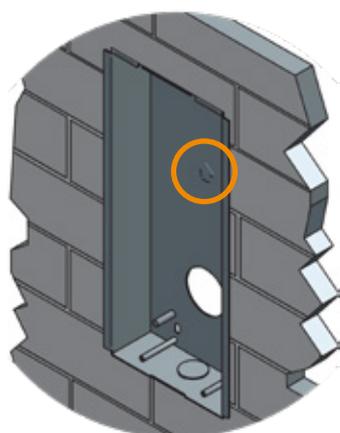
1. Avoid locating the panel exposed to direct sun light or external light sources like streetlamps, to get a good image.



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

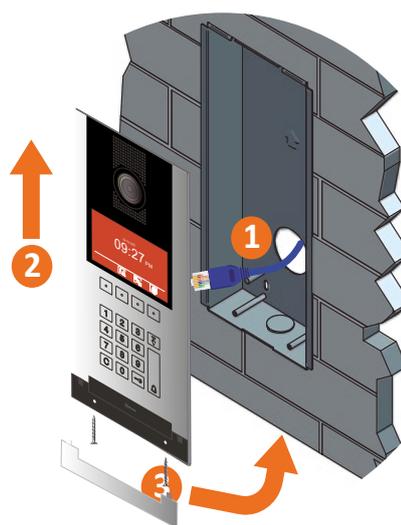


3. Make a hole in the wall where to fit the embedding box CE-6502/G+. The dimensions of the box are 132(W) x 308(H) x 45(D). Assure the box is fixed upside correctly.

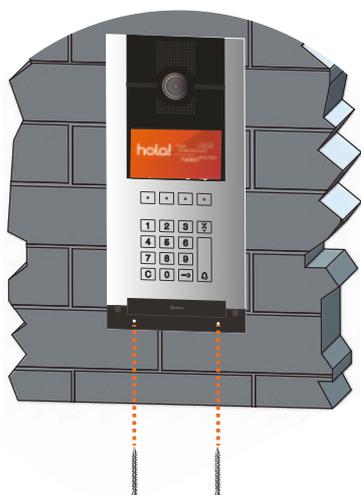


Mind the embedding box orientation. It is recommended to follow the instructions and tips mentioned in the embedding box mount guide.

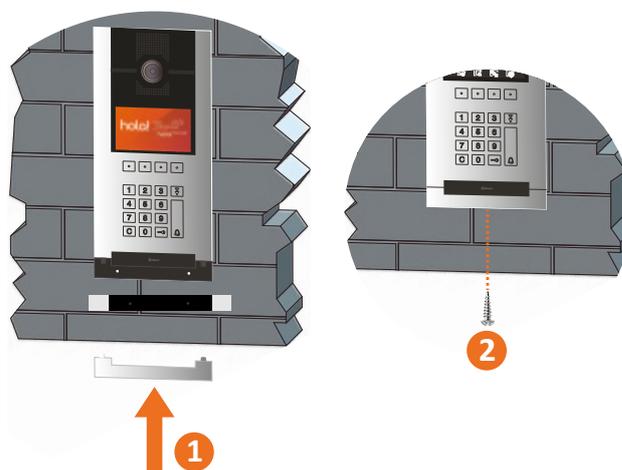
4. Connect the ethernet cable ① and hang the upper part of the panel in the nails which protrude out of the box ②, then tilt the panel to fit into the bottom part of the box ③.



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

GCloud is a SIP based video intercom system with GCloud technology which deploys on an ethernet type TCP/IP network. Being a cloud solution, each component of the system which communicates with the cloud, can be deployed in different networks, as far as each of them has a gateway to reach the cloud (internet access).

Important initial configuration note:

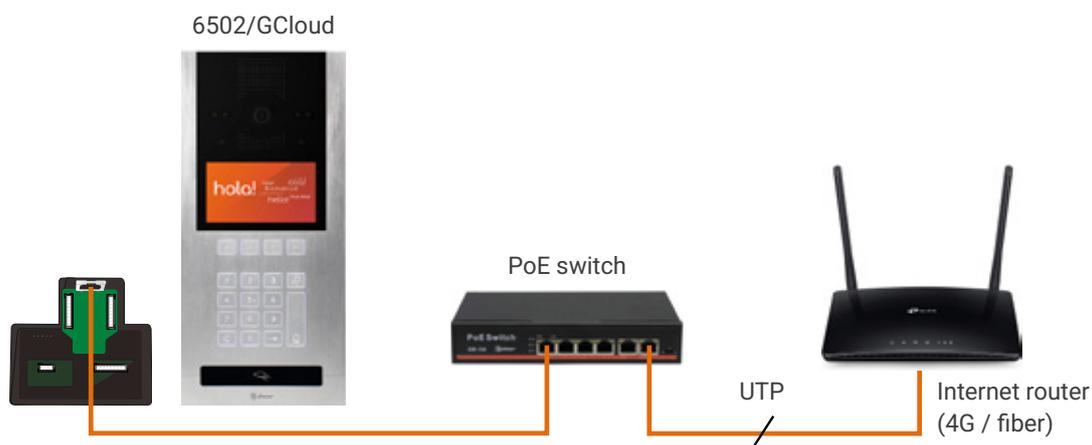
Before starting, it is necessary to create an account in the GCloud installer website, as it is the necessary step to connect the panel and get it online. Refer to the GCloud installer web manual for more details.

At this point it is necessary to:

- Provide internet access to the panel, follow the schematic below.
- Sign up or login into a GCloud web installer account at <https://gcloud.golmar.cloud>.
- Follow the steps described in GCloud Installer web installation manual for creating a site and pairing the panel with the cloud.

5.1 Connect the panel to Internet

GCloud panels need an internet connection to synchronize with the cloud servers. The installation setup should follow this schema as follows. For more details in connections, refer to section 9 of this manual.



There are two ways to configure the panel to connect to internet:

- By DHCP server.
- By static IP address.

You will identify the status of the panel by those two signs which you can find in the upper right part of the display:



- LAN:** The panel is connected to a network and it has a valid IP address setting.
- Cloud:** The panel is able to access internet.
- Cloud with red cross:** The panel is not able to access internet.

To change the connection setup follow those steps:



Press 5 times over the 1st navigation button and enter the 2718 password (IV).



Select the option "Door panel" and press validate. Then, select the first option "Address" and validate.



With the arrow down change the parameter from "DHCP" to "Manual".



In the next screens setup manually the required network parameters:

- Local IP address.
- Subnet mask.
- Gateway.
- DNS.

(IV) It is warmly recommended to change the panel default password. Take note of the new password in a safe place, if it is lost you will need to get in touch with Golmar customer service.

6. INSTALLER CONFIGURATION MENUS

6502/GCloud is a cloud based panel, where most of the parameters can be managed from the installer website in remote. Nevertheless some parameters are also accessible through the installer menus over the panel, as it might be convenient on site at the time of the installation.

To change the password follow those steps:



Press 5 times over the 1st navigation button and enter the **2718** password (IV).

Select the option "Password" and press validate.

Enter the new password and confirm it.

6.1 Door panel settings

In the door panel installer settings page you will be able to modify parameters which affect the panel modes and appearance. The following menus will be described:

- Address.
- Display.
- Video.
- Audio.
- Special calling modes.

Address

As described in 5.1 in the "Address" setting ,it is possible to modify the way the panel connects to internet. It can be selected by "DHCP" (the router will provide valid network parameters - default setting) or "Manual network parameters" in the case the way to exit to internet is by a static IP address.

Display

In this submenu, you can modify the following parameters:

- **Welcome screen:** The time that the welcome screen remains visible when somebody approaches to the panel. If you do not like to show the welcome screen, set this parameter to 0. The panel also leaves welcome screen by touching any key.
- **Display time and date:** Select whether the time and date should be shown on the home page.
- **Hide language icon:** If it is not desired to be possible to change the language by the end user. If the end user changes the language from the home screen icon, the panel will return to the native language, which has been selected in this submenu.
- **Screen brightness:** Set the brightness of the TFT.
- **Language:** Select the language. If a language is not highlighted means that the language is not available in this FW version.

Video

In this submenu, you can modify the following parameters:

- **Led illumination behaviour:** Automatic (depending on the light conditions), Always On or Off.
- **Show visitor on screen (Yes / No):** It will show the visitor image in the TFT during a call and communication process.

 Audio

In this submenu, you can modify the following parameters:

- **Audio communication level:** Set a value from 1 to 10 for the volume of the audio in the panel during the communication process with the visitor.
- **Acoustic messages level:** Set a value between 1 to 10 for the volume of the prompt messages of the panel like "Door is open".
- **Acoustic messages (Yes / No / Ring Tone):** Set if you like to listen the prompt messages for the panel status, or alternatively you like to listen traditional ring tones. Set "No" if you don't want to listen any indication tone.
- **Tamper alarm (Yes / No):** Set if the panel is protected with a tamper alarm. It will make an alarm tone and send an email to the administrator of the site.
- **Keypad beep:** Set if you want to listen the beep tone when pushing any panel button.

 Special calling modes

In this submenu, you can modify the following parameters:

- **Alphanumeric call:** By selecting this mode, when dialling an apartment call address, the panel will show an alphabet carousel, in order to select the letters and the numbers for dialling the call code.
- **Sort general panels namelist by buildings:** In the general panels , by selecting this option, all apartments from the building will be listed in one single list.
- **Sort namelist alphabetically:** This parameters sets the way the names which appear in the namelist are shown. If this setting is set to "No" the names will be sorted by the call address.
- **Use #:** The way to call an apartment in GCloud has two options:
 - by its system address, composed by the block number and the apartment number (separated by #).
 - by a specific call code for each apartment.

When this option is set to "No" (default option) you will need to set a different call code for each of the users of the site, since it cannot exist the same call address in two different apartments. In this way we avoid a conflict when calling from general panels.

- **ABCD Keypad:** If the Alphanumeric call is enabled and the letters to be used are just "A, B, C or D", it is recommended to enable this option because of the ease of use of the panel.

6.2 Access settings

In the "Access" installer settings page you will be able to modify parameters which affect the access control. The following menus will be described:

- Lock 1.
- Lock 2.
- Lock release.
- Access control management.

  Lock 1 & Lock 2

In this submenu you can modify the following parameters:

- **Unlock time:** Set a value in seconds, for closing the relay during a door opening process.
- **Exit button delay time:** Set a value in seconds, for delaying the action of closing the relay for the door opening process.

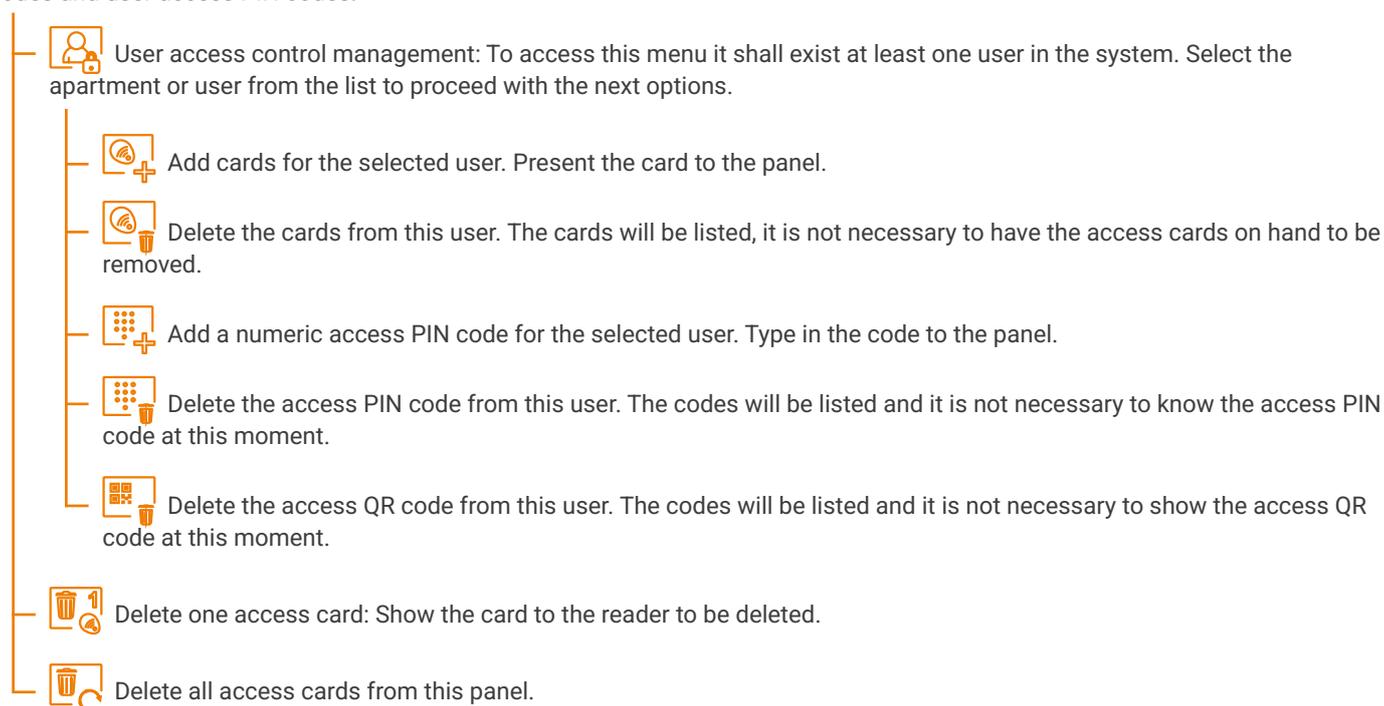
 Lock release

In this submenu you can modify:

- **Unlock access:** Set the behaviour of the access control. If it should be able to act over the door lock 1 or door lock 2, both or none of them.
- **Double security:** When this option is enabled, the panel will ask for the personal access code after showing an RFID card. That sets a double factor confirmation and increases the security.
- **Wiegand:** Set if the Wiegand output of the panel shall work under Wiegand 26 or Wiegand 34 protocol.

Access control management

From this menu it is possible to access different options, which relate to the access control management, such as RFID cards, QR codes and user access PIN codes.



6.3 Password

It is possible to change the password for the entry panel in this menu . The same password will be used for the webserver of the panel.

IMPORTANT: It is warmly recommended to change the panel default password. Take note of the new password in a safe place, if it is lost you will need to get in touch with Golmar customer service.

6.4 About

In the "About" page  you will be able to find general information and settings about the panel. The following menus will be described:

- Reset user settings.
- Reset all settings.
- Instructions manual.
- System info.

 Reset user settings: Reset custom settings, to those which were set from factory. This process does not affect to the panel registration in the cloud.

 Reset all settings: The panel will be restored to factory default settings. This process does not affect to the panel registration in the cloud.

 Instructions manual: It will display a QR code. When scanned you will be redirected to the product web page. In the webpage you will find all documentation.

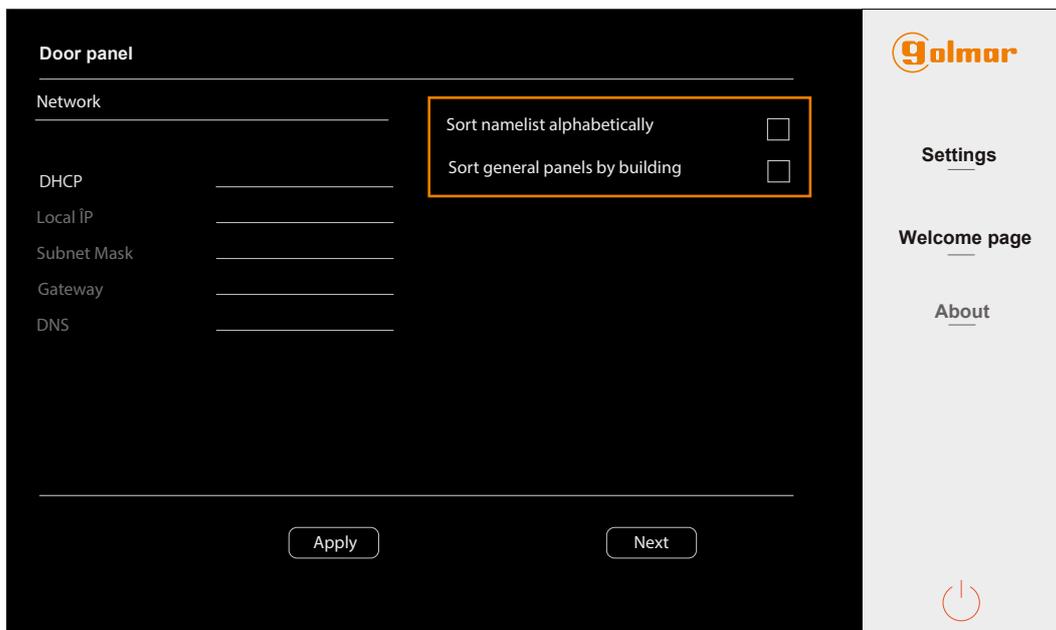
 System info: Find all network parameters and cloud UID information of the panel. Here you can find the information to pair the panel. Refer to the [installer web manual](#).

7. WEBSERVER CONFIGURATION MENUS

7.1 Settings

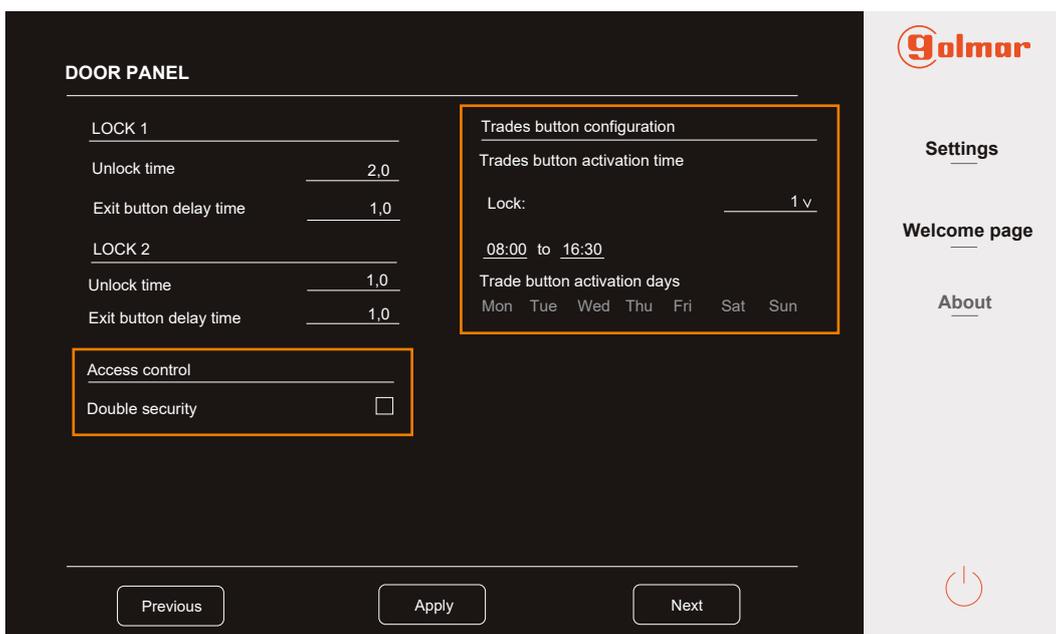
In the first settings page, it is possible to edit the network parameters, as well as to set two different panel settings:

- **Sort namelist alphabetically:** The namelist displayed in the panel for the different users and apartments will be sorted alphabetically.
- **Sort general panels by building:** When disabled all users or apartments from a site will appear together in one merged list in the general panels.



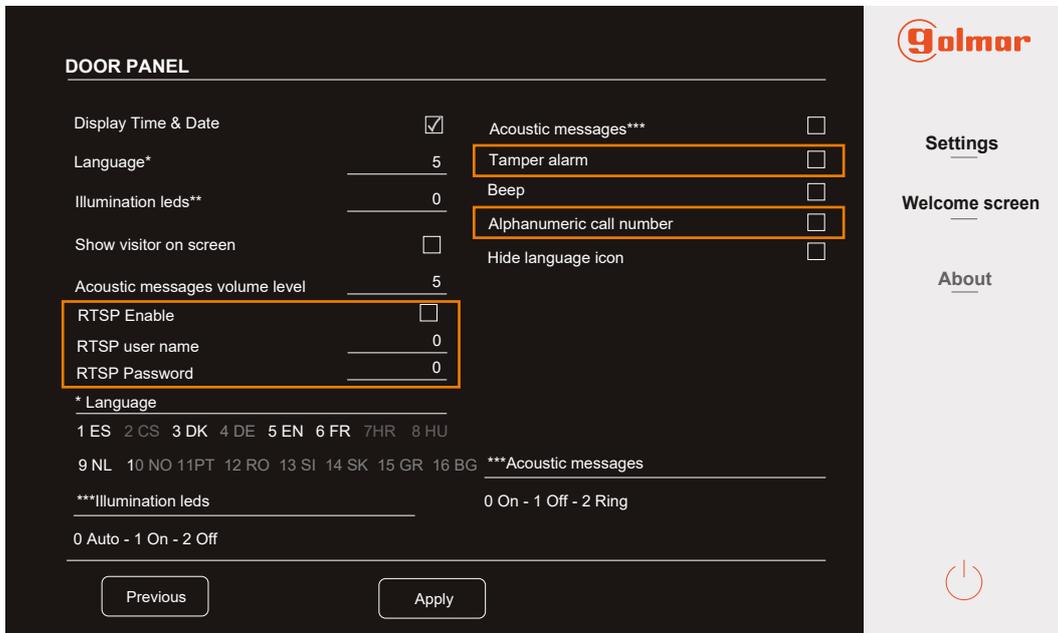
The next page of settings is related to the door lock activation times and access behaviour:

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



In this page it can be set the panel native language as well some audio parameters:

- **Tamper alarm:** Set if the panel is protected with a tamper alarm. It will make an alarm tone and send an email to the administrator of the site.
- **Alphanumeric call number:** It will enable the alphabet carousel when pressing a button in the keypad for dialling a call code.
- **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 compatibility with Golmar CCTV NVR's.

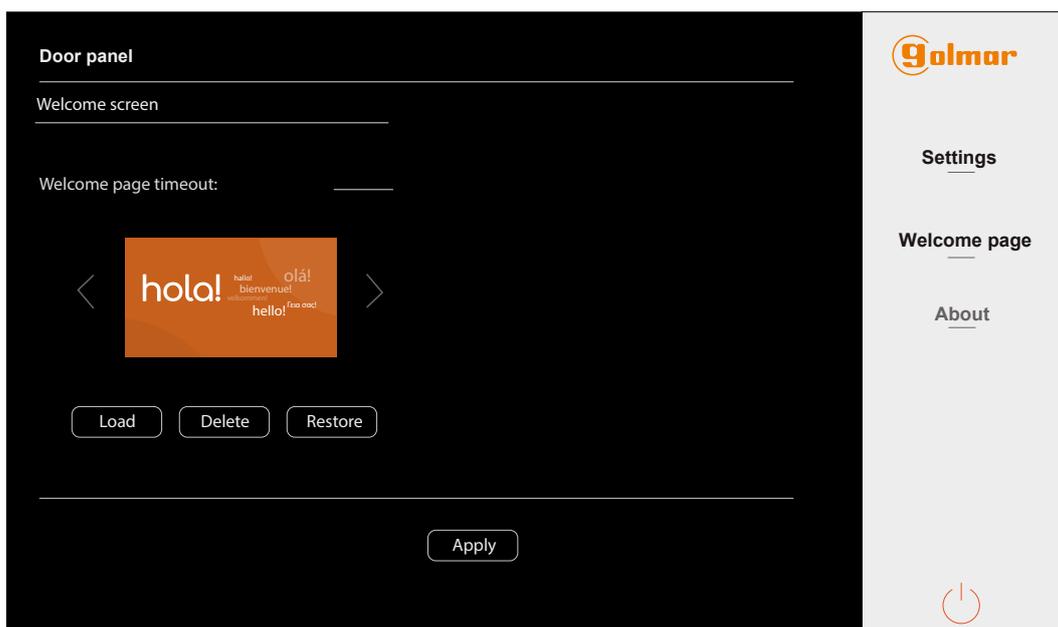


7.2 Welcome page

In the welcome page, it is possible to edit the default image which appears when the panel wakes up from idle. The file must be in .JPG format and the size must be 480 x 272 px.

Set the welcome page timeout to 0, to avoid showing it when the panel wakes up from idle state.

NOTE: This image can be temporary replaced by notices when they are released and valid in the panel.

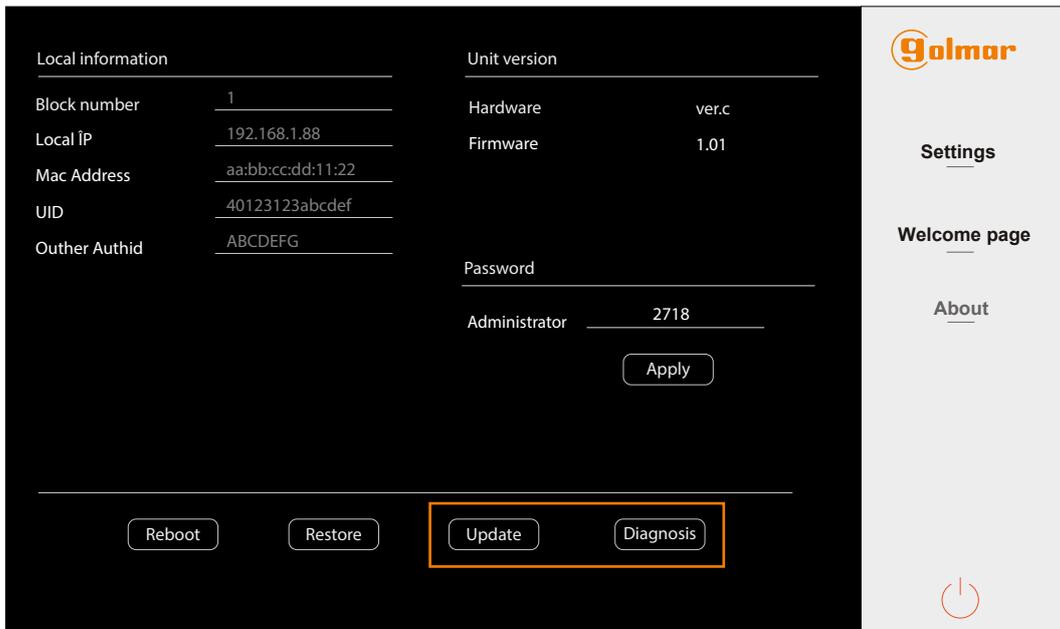


7.3 About

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.

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

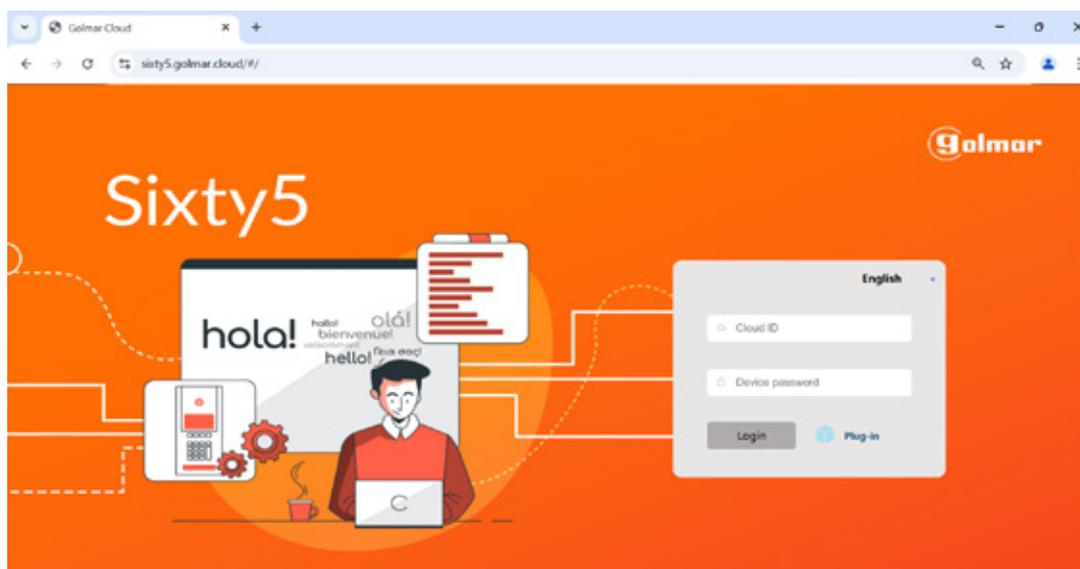
WARNING: Do not remove the power or LAN connection during FW upgrade, it takes few minutes. If the upgrade is interrumped it may damage the panel.



8. REMOTE CONNECTION TO WEBSERVER

Although the 6502/GCloud panel is a cloud based panel which can be managed by the installer portal, some parameters are reserved to the webserver, as explained in the section 7 of this manual. To access the webserver you can perform it locally or through the cloud service. To do that, follow those steps:

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 installer access password (2718 by default) in the "Device password" field to access the device's web client remotely. To access this service, the panel shall be online with an internet access connection.



NOTE: You may be asked to install the plug-in. The plug-in is necessary to perform the remote connection. We are constantly improving the security and performance of the cloud systems. If one day the website seems not to work, remember to reinstall the plug-in as it might have been changed. It will be necessary first to uninstall the previous one and restart the web browser once reinstalled the new one.

9. CONNECTION SCHEMAS

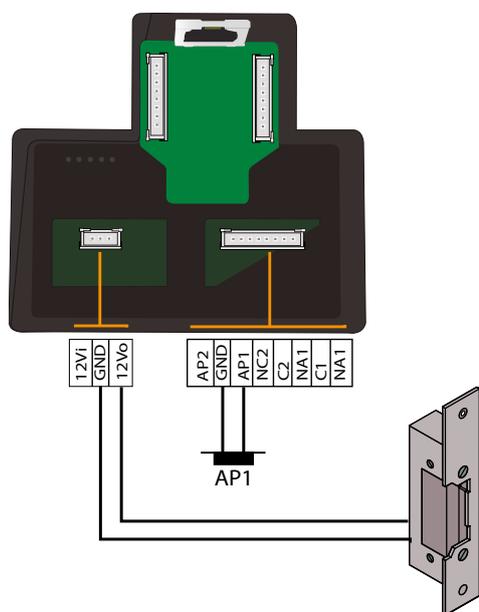
9.1 Connection of one door lock release

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

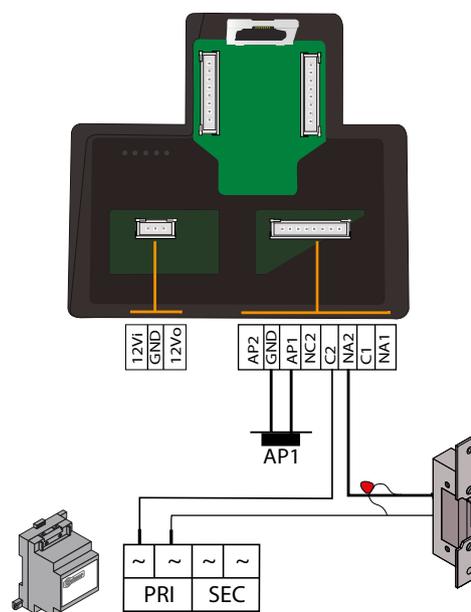
AP1 is an exit button.

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

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



DC door lock release



AC door lock release

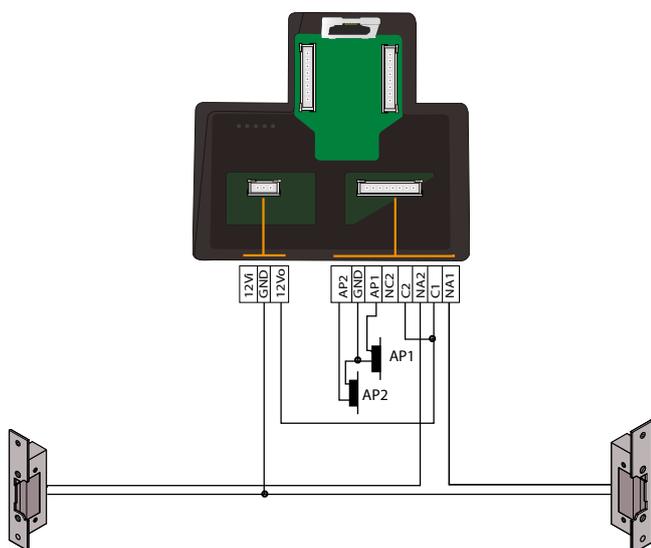
9.2 Connection of two door lock release

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

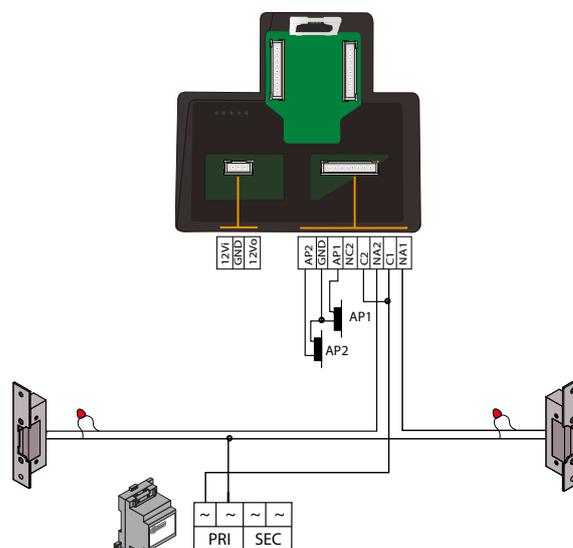
AP1 is an exit button.

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

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



Two DC door lock release



Two AC door lock release



Golmar GCloud



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