



Monitor IP 7" EDGE

# EDGE 7/G+ | EDGE 7W/G+



# INSTALLER MANUAL

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## 1. SAFETY, CAUTIONS AND WARNINGS

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- 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.

### Declaration about compliance with Directive 2014/53/EU:

Hereby, GOLMAR S.A. declares that the radio equipment types **EDGE 7W/G+ IP MONITOR** is in compliance with the Directive 2014/53/EU. Wi-Fi Frequency Band: 2,4GHz. Output power (max): 19dBm.

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

Wi-Fi monitors open ports 443 and 8443 for the following related services:

- 443: Used by the application G2Call+ to manage the indoor station configuration settings.
- 8443: Used for multimedia streaming between the Outdoor station and the Application G2Call+.

Wi-Fi network is used to provide a direct network connection between the monitor and cloud service for call forwarding and remote preview of the outdoor station from App. The monitor provides a switch button in the menu to disable Wi-Fi network at user's decision. Not having the monitor any external physical detection interface, security risks related to network are not present.

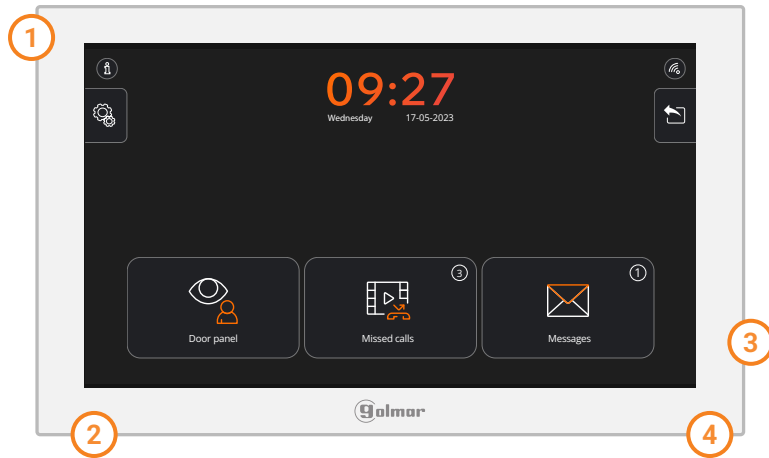
## 2. IP G+ SYSTEM SPECIFICATIONS

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- 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 99 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.

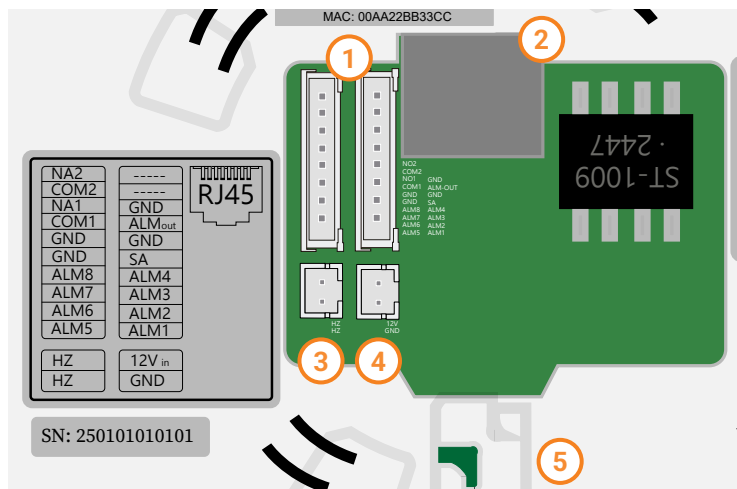
### 3. MONITOR DESCRIPTION

A. Front:



- ① LED
- ② Speaker
- ③ SD Card
- ④ Microphone

B. Back:



- ① Auxiliary sounder, alarm input and output connectors (I)
- ② RJ45 connector
- ③ HZ connector (II)
- ④ 12Vcc local power supply connector
- ⑤ UTP cable tunnel

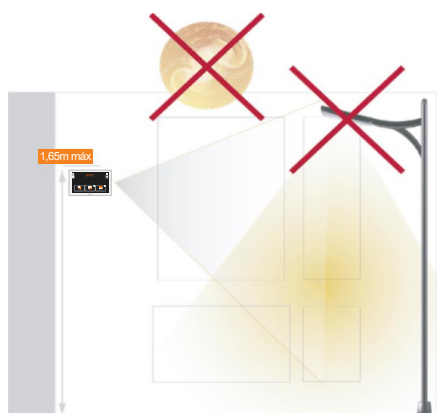
(i) The order of connectors appears in the label placed close to the connectors.

(ii) Makes reference to the doorbell of the house.

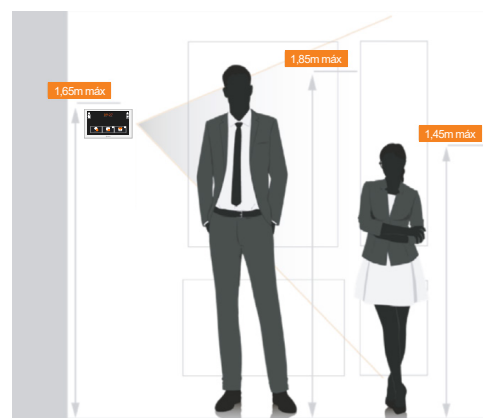
- NA1, NA2 and COM make reference to the alarm output actuators (available function in 2.1.1 version).
- SA and GND connectors are for auxiliary call repeater.
- ALM1 - ALM8 are the inputs for the different technical alarms of the monitor (available function in 2.1.1 version).
- ALMout is the 12Vdc alarm output (available function in 2.1.1 version).

## 4. MONITOR INSTALLATION

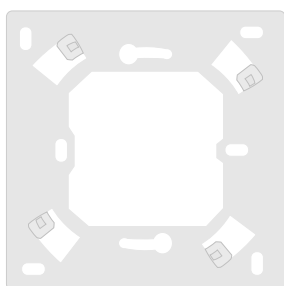
1. Avoid exposing the monitor to backlighting from light sources for optimal picture quality.



2. Place the top of the monitor at a height of 1,65 m for a correct viewing of the screen.



3. Use the monitor bracket, so that the monitor is at the above mentioned height. Place it in a flat surface which allows a good fit of the bracket to the wall.



## 5. CONFIGURATION BY MONITOR MENUS

Important initial configuration notes:

One of the door panels of the installation is in charge to manage the system (master panel), it must be registered before the monitor and connected into the network along all the registration process of the different devices of the installation. See panel manual for more details.

When starting for the first time, the monitor will request the different registration parameters to be entered.

The monitor can be configured in three ways:

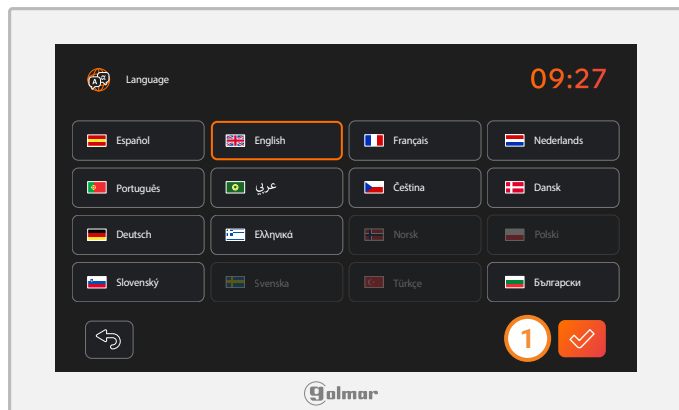
- By the monitor menus (detailed in this section).
- By the webserver (section 6).
- By using SCT software (download the software and its manual in the downloads area of the monitor).

We strongly recommend to configure the system using the Software SCT "System configuration Tool".

**FW NOTE:** It is important to verify, that all the devices are using compatible FW. SCT makes easy the FW update and FW verification.

### 5.1 Monitor registration

Once the monitor is connected to the network, it will automatically start and it will show an initial configuration screen in which we must set the language of the monitor:

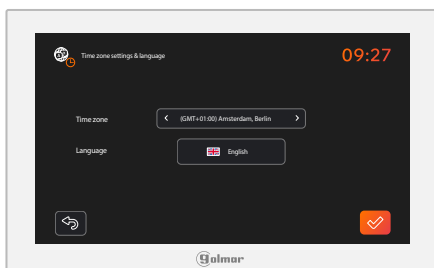


1 Confirm the language selection and go to the next screen.

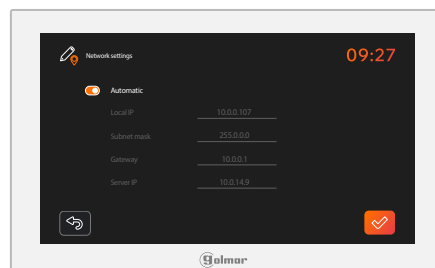
To continue with the initial configuration of the monitor, it is needed to enter the physical address parameters in the "Address" screen. From this screen is possible to adjust the time zone and manually set the network parameters.



Block number: from 1 to 98.  
Apartment address: from 1 to 799  
Monitor unit: from 1 to 6. If there is only one monitor in the apartment, set this field as 1



Choose the time zone setting from the list that appears. It is also possible to modify the language from this screen.

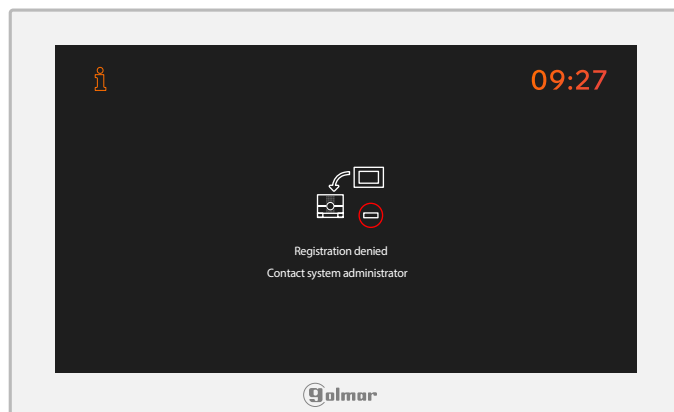
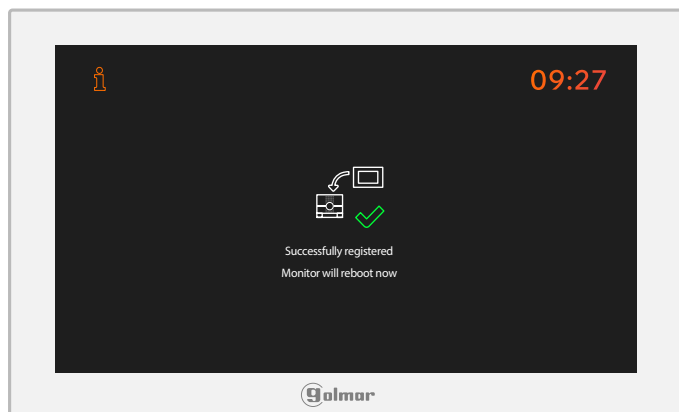


Enter the desired network parameters assignment is disabled (III)

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

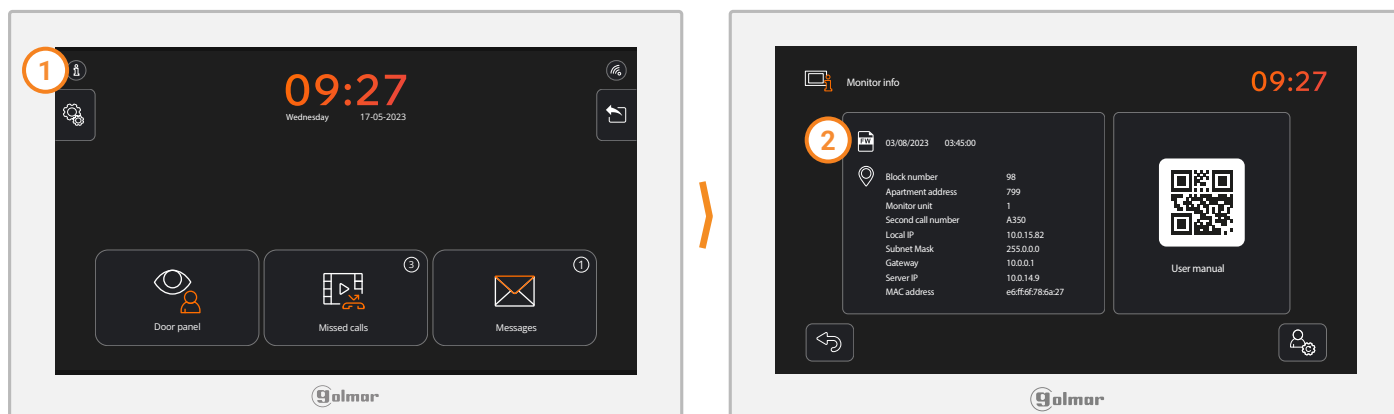
The IP G+ system takes networks in the range 10.xxx.xxx.xxx in automatic IP assignment.

If all parameters are correct, press the validate icon and the monitor will show this screen, confirming that the monitor could establish the connection with the master panel and register on it, otherwise the monitor will display a non successful registration in the master panel.



### About section & review the registered configuration:

Review the network parameters and physical address set to this monitor in the "About" page.



① Press over the "i" icon to access the "About" page

② Press quick 7 times over the FW file icon to display all network parameters

## 5.2 Installer configuration menus

### 5.2.1 Access to the installer settings menu

In this section of the manual, the system settings are showed in detail. If you want to see other type of settings to which we can access with the monitor, see the EDGE 7W/G+ user manual that you will find in the "Downloads" tab in the product website.

Below, you will see how to access to the system settings of the monitor:



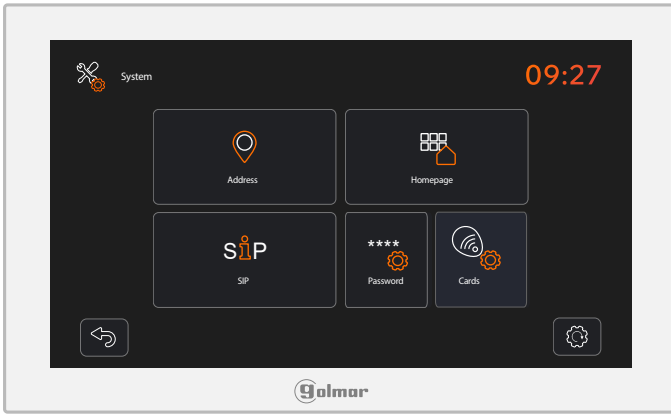
Press over the "i" icon to access to the "About" section in the monitor.

Press 5 times over the indicated icon to make appear the installer settings password screen.

Enter the installer password to acces to the system settings. The default password is: 2718.

Press this icon to reset all settings, which have been set by the user. It will reset the language, ring melodies etc.

To reset the monitor to factory default, press the tool reset icon and confirm the operation.



From the installer settings menu, it is possible to modify:

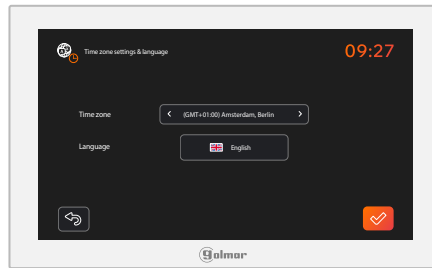
- The address of the monitor.
- The homepage icons settings.
- The SIP server adjustment.
- Modify the password to access to the system settings.
- Add or remove user cards from an entry panel.(Only for Clip/G+ panels)
- Reset the monitor to factory default status.

### 5.2.2 Address settings

From the address settings, it is possible to adjust the physical address and network parameters of the monitor. It is also possible to modify the time zone setting and the language of the monitor.



Block number: from 1 to 98.  
 Apartment address: from 1 to 799  
 Monitor unit: from 1 to 6. If there is only one monitor in the apartment, set this field as 1



Choose the time zone setting from the list that appears. It is also possible to modify the language from this screen.





Enter the desired network parameters assignment is disabled (III)

### 5.2.3 Homepage settings

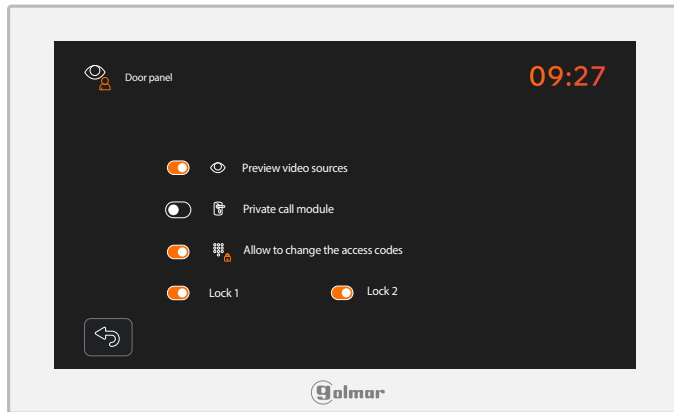
In the homepage settings, you can enable or disable some functions for the end user which will appear on the home screen, as well allows to adjust the parameters of some of the main functions of the monitors as explained in the following sections.



  This function will allow the end user to change its own background picture. If you like to upload a background image and block that option for the end user, disable this option.

We recommend to upload the background image from the monitor webserver. See section 6.

### A. Door panel:

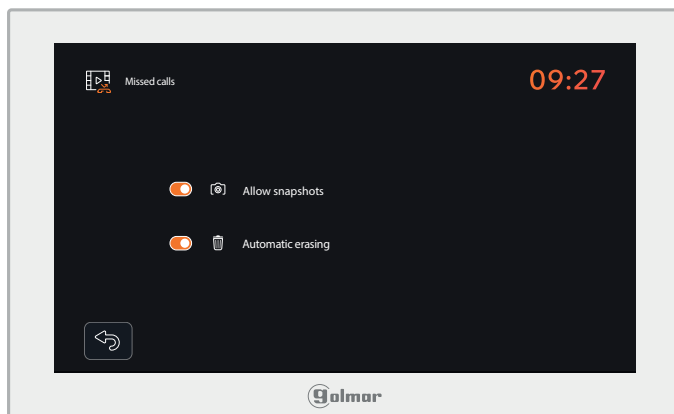


In this section, it is possible to enable or disable:

- The preview feature of the door panels (in case we want to avoid the monitor to see outdoor panel's camera, when the monitor has not been called).
- Enable the private call module device (Clip/G+). This function is operational in FW 2.1.1.
- Allow the possibility to change the private access code by the end user.
- Adjust which door locks are able to be opened, in a call or in a preview process.

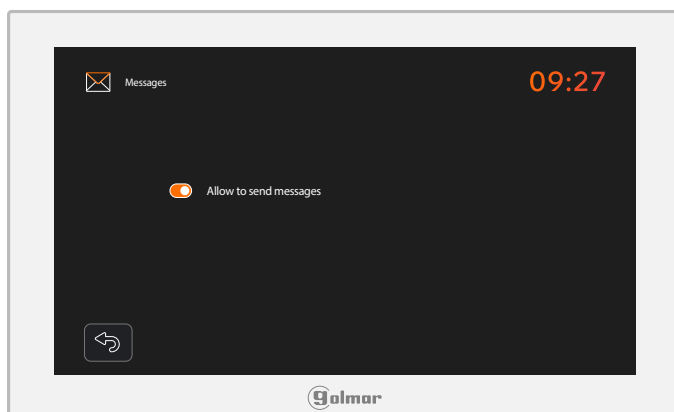
### B. Missed calls:

In this section, it is possible to disable the snapshot feature when the monitor receives a call from a door panel, and to manage if the automatic erasing of the taken images is enabled or not.




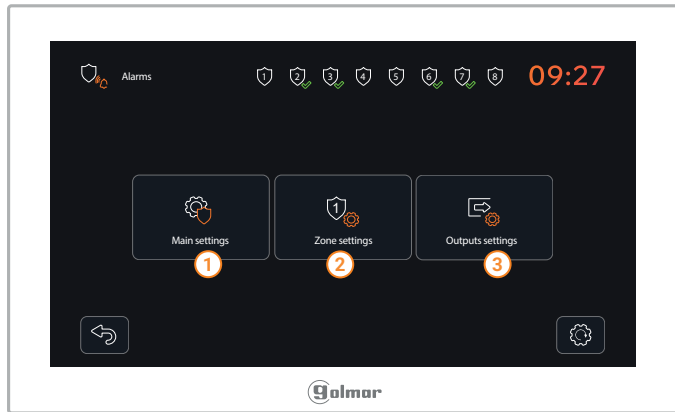
### C. Messages:

In this section, it is possible to determine if the monitor can send text messages to other units in the installation or not. The monitor can always receive text messages from other units.



D. Alarms:

 In this section, can edit and configure the alarm input and output zones.



- ① Main settings: General alarm settings
- ② Zone settings: Configuration of entry zones
- ③ Outputs settings: Outputs zone Settings

1. Main settings:

First, need to enable the “Alarm enabled” option to arm and disarm the system from the home screen. In the next option can configure:

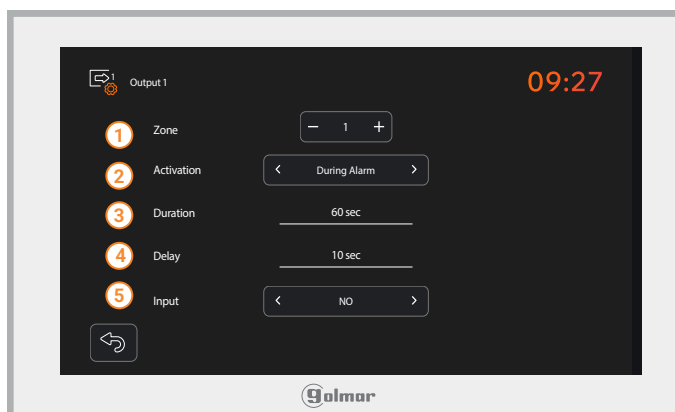
- Siren activation and duration.
- Number of repetitions.
- Interval between repetitions.
- Grace period for arming zones.

2. Zone settings:



- ① Name
- ② Input: NO / NC
- ③ Sensor: custom, gas, smoke, water, magnetic, pir
- ④ Activation:
  - Instant: when presence or motion is detected, this zone will be activated immediately.
  - Delayed: when presence or motion is detected, this zone will be activated after delay time.
  - Permanent: when the system is armed or not, this zone will remain permanently activated.
  - Bypass: zone deactivated while the system is active.
- ⑤ Delay time

3. Outputs settings



- ① Zone(1-8):  
We select the area to move with the - & +
- ② Activation:
  - Timed: area with a scheduled delay
  - Bypass: area disabled while the system is active
  - During alarm: exit zone activated during the alarm
- ③ Duration
- ④ Delay time
- ⑤ Input: NC / NO

E. CCTV:

This option enables in the homescreen the CCTV functionality, so that the monitor will be able to preview a CCTV camera which is registered in the system. The monitor should have been enabled in the visibility of the camera.

F. Concierge/SOS:

In this section, we can tap the concierge service icon to select the concierge you want to call directly and send your alarm signals. Can also activate the SOS button by holding down the icon for 3 seconds.



G. Intercom:

Intercom option, enables the intercom in between monitors. To be able to intercom with another monitor, both should have this option enabled.

H. Lift control:

Lift control option, allows to send elevator control commands from the home screen and integrate them with access control. To make this option compatible, it is necessary to have an LCU-16 installed in the system.

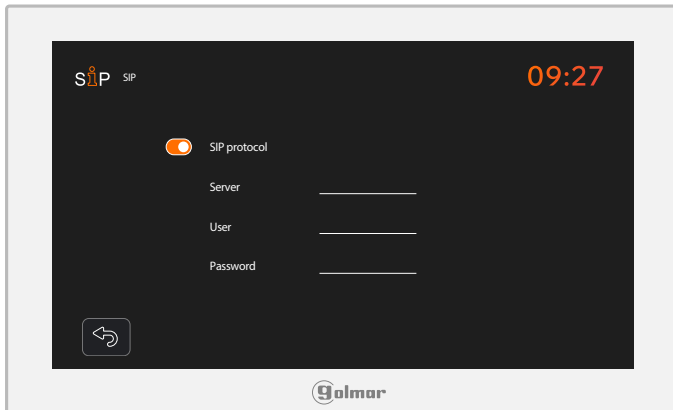


I. Light:

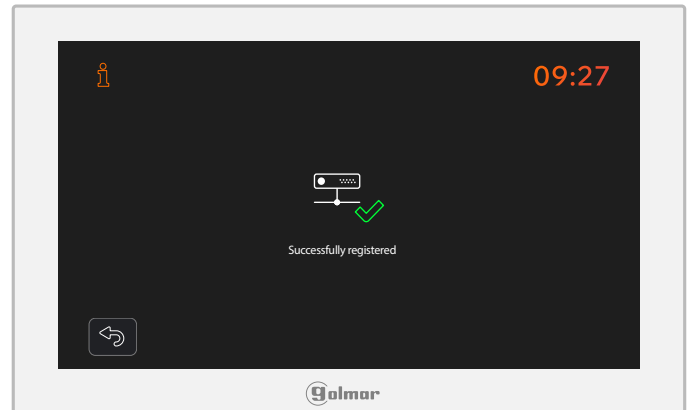
Light function, enables the staircase light control option in the shortcuts area of the monitor. To be able to perform the action of light control it is necessary a SAR-G+ in the installation.

### 5.2.4 SIP settings

In the SIP Server section, it will be possible to add the device in the SIP server or PABX switchboard registered in the master panel previously. If the registration is successful, the monitor will be able to make and receive calls from SIP devices included in the system using the extensions assigned to the monitor in the SIP server.



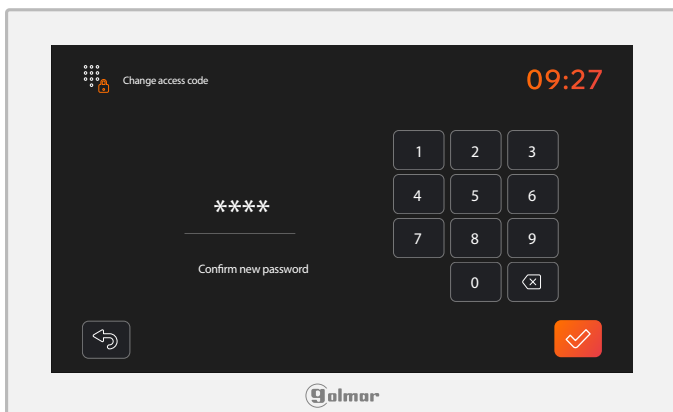
SIP server registration page



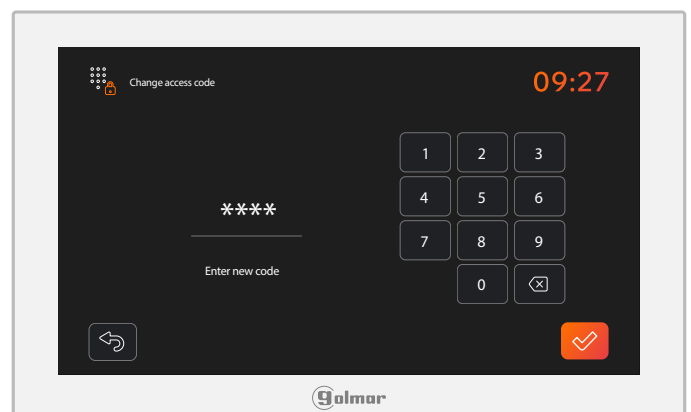
Monitor successfully registered into the SIP server

### 5.2.5 Password

Below appears how to modify the password, which is used to access to the installer settings section:



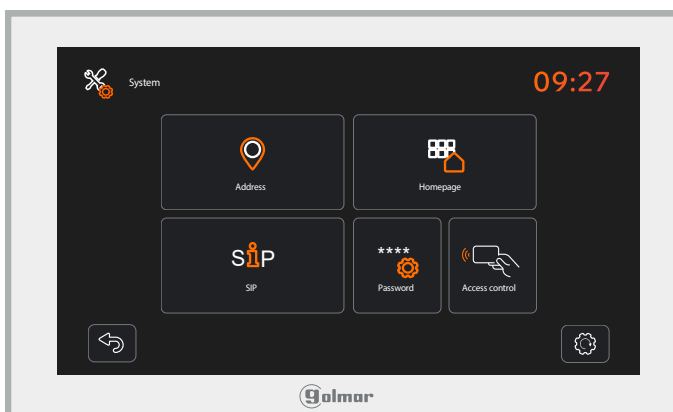
Enter the new password and validate it.



Confirm the new password and validate it.

### 5.2.6 Access control

In this option can add and remove tags/cards from your panel Clip/G+. When hold the card near the panel, the green RFID LED will light up to confirm that it has been read.

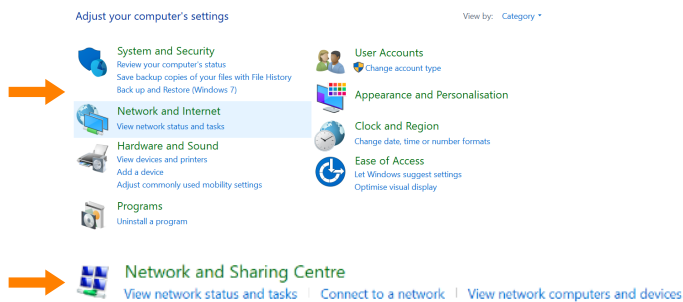


## 6. CONFIGURATION BY WEBSERVER

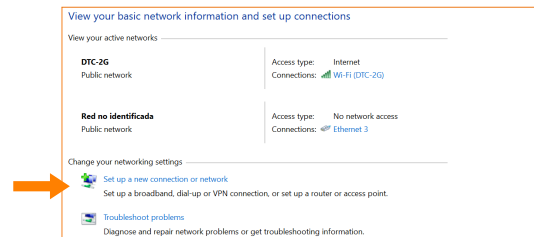
Edge monitor can be configured via its webserver. To do this, you need to connect your computer to the network.

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:

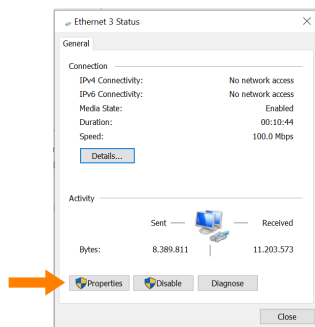
Go To network settings in control panel.



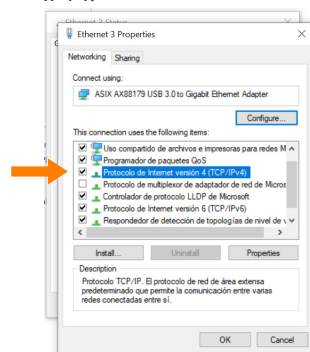
Change the active Ethernet network.



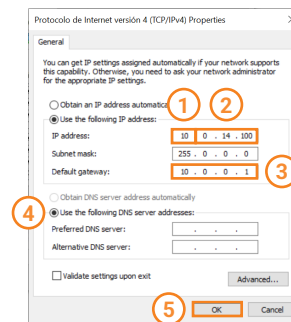
Enter into "properties".



Select Internet protocol IPv4.



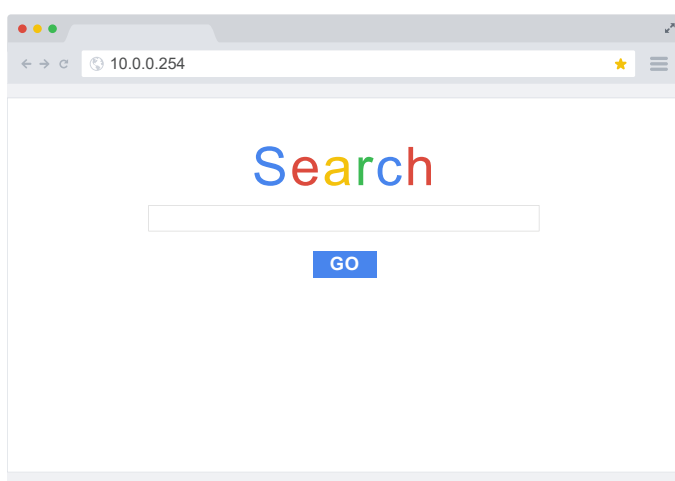
Enter into "properties".



- 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: Factory IP is 10.0.0.254.



Log into the webserver.



The default password is 2718.

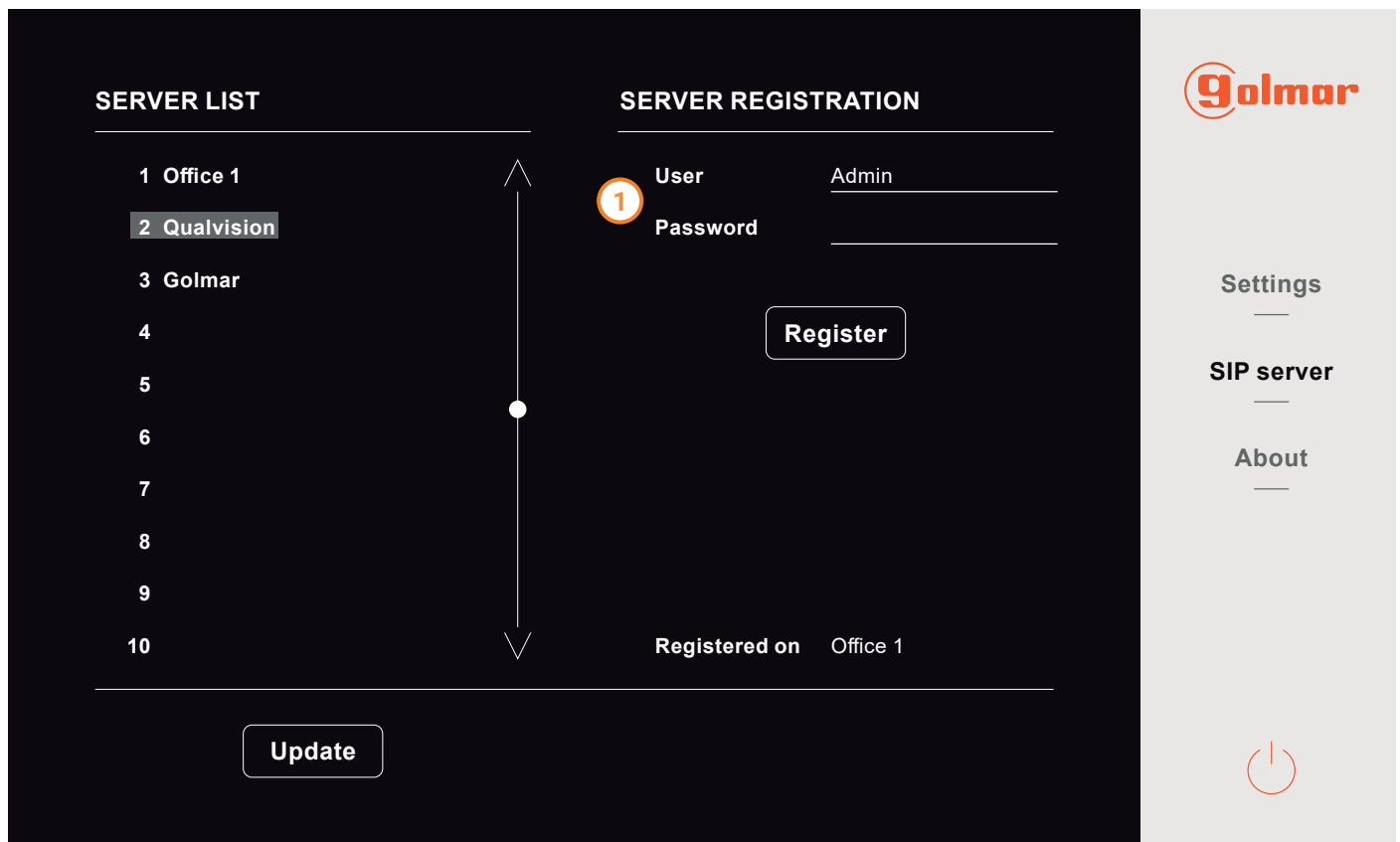
## 6.1 Settings

We can change the background picture of the monitor by the "Load" option, that allows us to upload an image from our laptop. We also can re-set the default background pressing over the "Restore" option.

- ① Monitor language
- ② Block number 1 to 98
- ③ Apartment number 1 to 799
- ④ Unit number of the apartment 1 to 6
- ⑤ Available languages
- ⑥ Automatic assignment of network parameters
- ⑦ Manual assignment of network parameters
- ⑧ CCTV integration
- ⑨ Apply settings
- ⑩ Go to the next screen

## 6.2 SIP Server

In the SIP Server section, we will be able to add the device in the SIP server or PABX switchboard registered in the master panel previously. If the registration is successful, the monitor will be able to make and receive calls from SIP devices included in the system using the extensions assigned to the monitor in the SIP server.



① User and password created in the PABX switchboard

Note: Golmar does not guarantee the full compatibility with all SIP server platforms. If your server is not compatible, for further support, please contact Golmar technical service.

### 6.3 About

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

LOCAL INFORMATION		UNIT VERSION	
Block number	1	Hardware	ver. a
Apartment address	1	Firmware	2.0.1
Monitor unit	1		
Local IP	10.0.7.105		
Subnet Mask	255.0.0.0		
Gateway	10.0.0.1		
Server IP	10.0.14.9		
Mac Address	aa:bb:cc:dd:ee:ff:00		

1 PASSWORD	
Administrator	2718

2 Apply

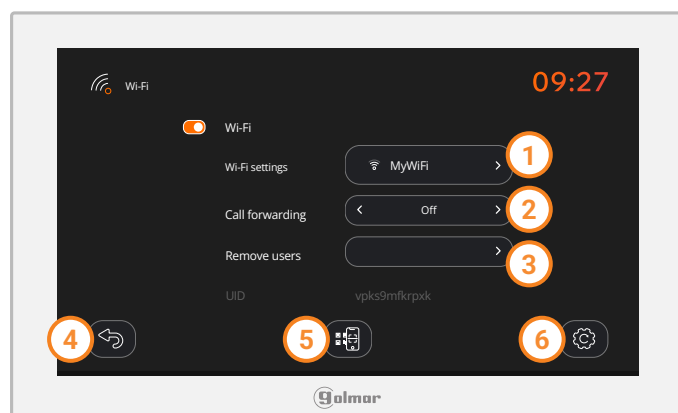
  

3 Reboot      4 Restore      5 Update

- ① Modify password
- ② Apply password modification
- ③ Reboot device
- ④ Return to factory values
- ⑤ Update FW version

## 7. PAIRING THE WI-FI MONITOR WITH G2CALL+ APP

This section, only applies to Wi-Fi monitors models EDGE 7W/G+ or EDGE 7AW/G+. Once in the Wi-Fi setting section, the monitor will display the next screen:



- ① Choose the Wi-Fi network
- ② Set the call forwarding mode:  
On / Off / If no answer / After 15s
- ③ Unbind current account from G2Call+ access (IV)
- ④ Go to main screen
- ⑤ Display QR for pairing and App's
- ⑥ Reset Wi-Fi settings

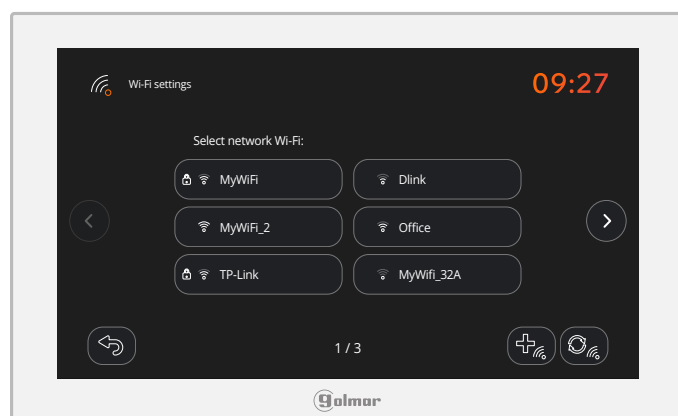
(iv) If the monitor is paired with an account from a previous resident, it needs to be unbound with this function.

### A. Choose the Wi-Fi network:


First of all, the user must choose the Wi-Fi network, to which the monitor must connect. Choose the Wi-Fi network between all the found ones and enter the password in the screen that the monitor will display after choosing it.

NOTE: Edge 7W monitor is compatible only with 2,4 Ghz Wi-Fi networks.

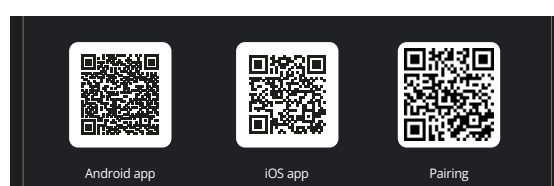
If you find problems on pairing the monitor, try to change the channel of the Wi-Fi network in the router settings, since the channel might be saturated. Make sur that the 5 Ghz network SSID name is different than the 2,4 Ghz network.



### B. Pair the monitor:

Once the monitor is connected to the Wi-Fi network, press over the  icon to display the QR codes to pair the monitor. You will find three QR codes in that screen. Two are for the App direct download link to the G2Call+ App (Android and iOS versions). The third QR code is the one which needs to be scanned by the G2Call+ App.

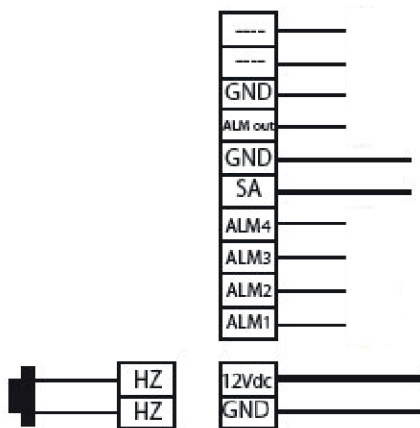
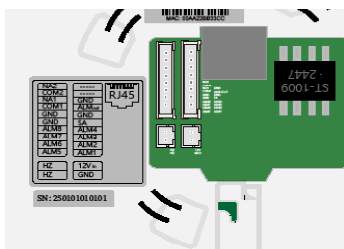
After creating the user account in the G2Call+ App, scan the pairing QR code and follow the steps that the app requests.



For more information about the G2Call+ App, see the user manual that you can find in our website in the EDGE monitor section's downloads area.

## 8. CONNECTION DIAGRAMS

The monitor comes with connectors for the different inputs and outputs. The ones available in this monitor version are here explained.

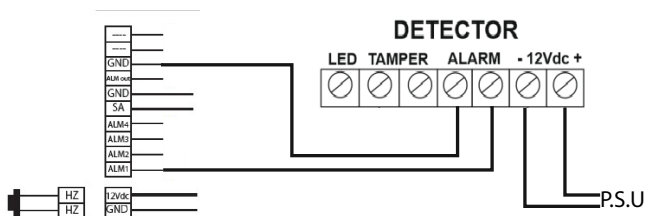


Door Bell Input

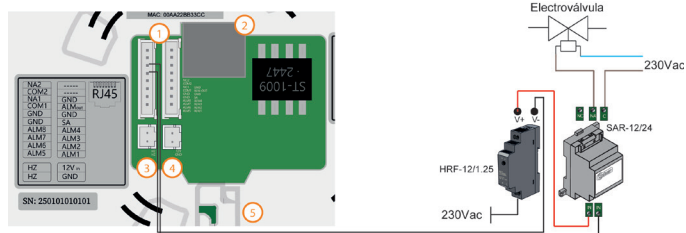
Connect a sound repeater or a relay to perform an action which requires power. SA-GND Output max. 12Vdc 50mA

Connect the monitor to a 12Vdc source. If the monitor is connected to an external power source the RJ-45 port could not be connected to a PoE switch port output.

### 8.1 Example connections



In this case we connected a PIR for ALM1. Is necessary other P.S.U for volumetric.



Other case using a solenoid valve with SAR-12/24 and HRF-12.



**we take care of your** home

**Golmar Sistemas de Comunicación S.A.**  
C/ Silici 13. Polígono Industrial Famadas  
08940 - Cornellà de Llobregat - Spain  
golmar@golmar.es - (+34) 93 480 06 96

[www.golmar.es](http://www.golmar.es)



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