golmar

supra

2-WIRE G2+ VIDEO INTERCOM SYSTEM

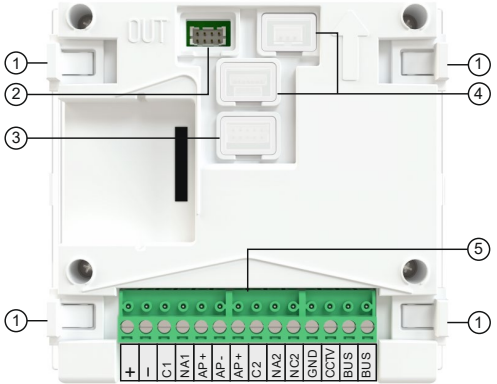
50124707 T732/G2+ ML REV.0325

DESCRIPTION OF THE FRONT OF THE EL732/G2+ (VIDEO) AND EL742/G2+ AUDIO) MODULES

1. Programming push button
2. Door panel audio level regulator
3. Indoor unit audio level regulator
4. Speaker
5. White illumination LEDs for camera
6. Status indicator lights
    a. Call in progress (Orange)
    b. In communication (Blue)
    c. Open Door (Green)
    d. Busy System (Red)
7. Camera (EL732/G2+ module only)
8. Ambient lighting sensor
9. Web server IP address label
10. Microphone
11. Call pushbuttons
    a. Code 1
    b. Code 2
    * Factory settings without push button modules
12. White illumination LEDs for push buttons

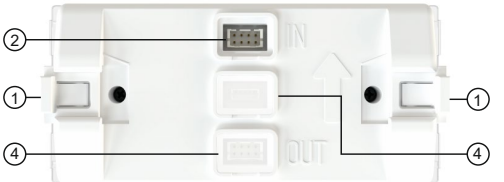
Note: To access the programming pushbutton and the audio level regulators, it is necessary to remove the sealing caps. Replace the caps once the adjustments are complete.

DESCRIPTION OF THE FRONT OF THE EL732/G2+ (VIDEO) AND EL742/G2+ AUDIO) MODULES



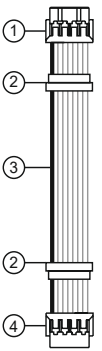
1. Frame attachment tabs
2. Connector to other modules (push buttons, ...)
3. Connector for auxiliary function cable
4. Internal use. Not removing the caps
5. Installation terminals
   - +,- : 12Vdc output. Maximum load 270mA
   - C1: Relay 1 common contact
   - NA1: Relay 1 normally open contact
   - AP+: Relay 1 remote activation contact
   - AP-: Common contact remote activation relays
   - AP+: Relay 2 remote activation contact
   - C2: Relay 2 common contact
   - NA2: Relay 2 normally open contact
   - NC2: Relay 2 normally closed contact
   - GND: Coaxial cable shield
   - CCTV: Analog external camera input
   - BUS, BUS: Communication bus connectors

EL706D PUSH BUTTONS MODULE DESCRIPTION



1. Frame attachment tabs
2. IN connector to the previous module
3. Internal use. Not removing the cap
4. OUT connector to the next module. Do not remove the cap if it is the last module

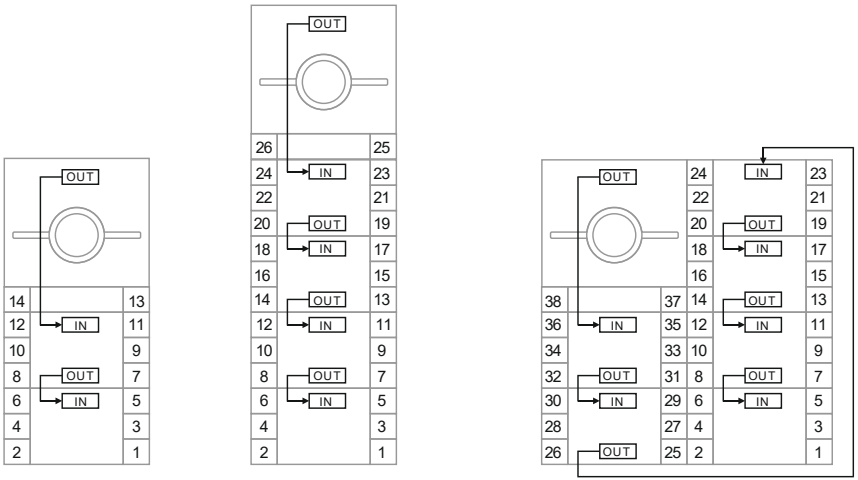
DESCRIPTION OF THE CONNECTION CABLE



1. Connector OUT N module
2. Sealing caps
3. Red wire
4. IN input connector N+1 module

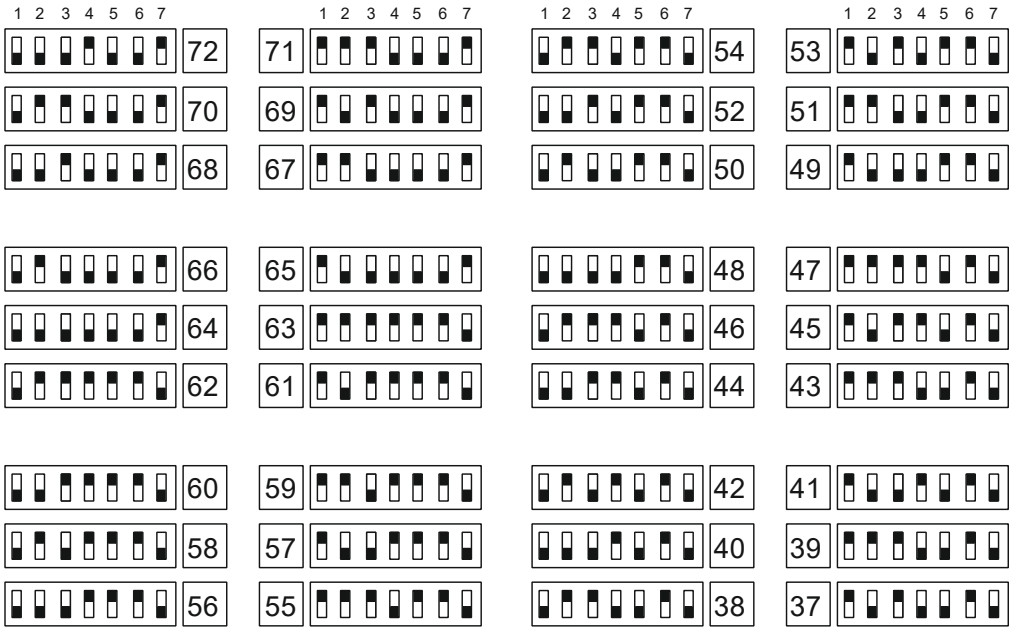
CONNECTION OF THE PUSH BUTTON MODULES

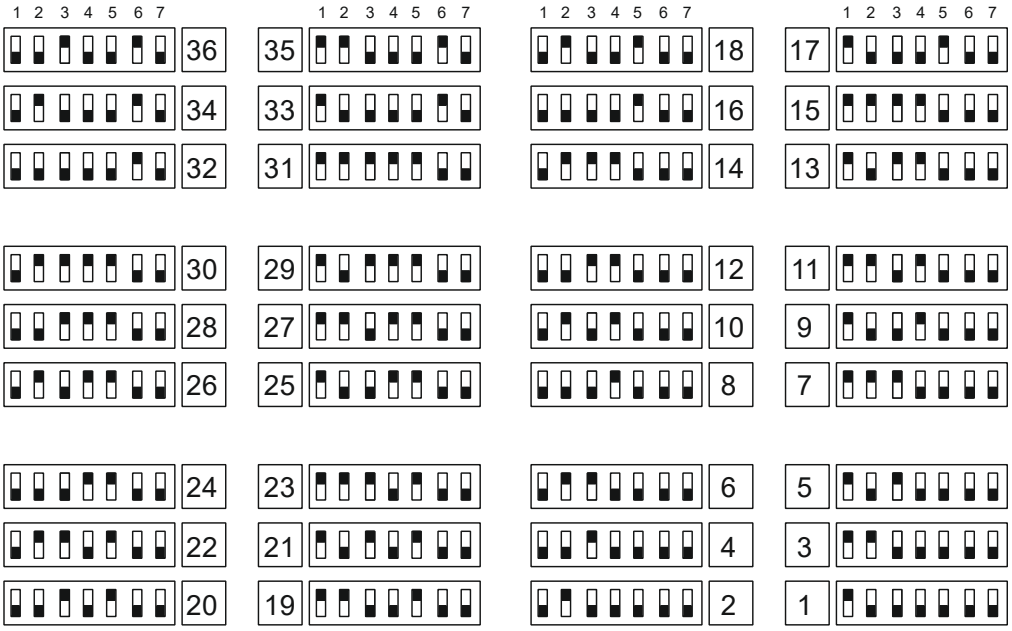
Link the modules using the supplied cables as shown in the drawing. Do it as shown in the drawing, and the codes of the push buttons will be assigned automatically. It will be possible to change the codes later using Wi-Fi programming. To link modules from different embedding boxes, use the RAP-SUPRA link cable. It is mandatory that the last module in the first box is linked to the first module in the next box.



MONITORS CODING ACCORDING TO THE PUSH BUTTON CODE

Switch 8 is not shown, and corresponds to the end-of-line resistor (ON = activated).




1 2 3 4 5 6 7
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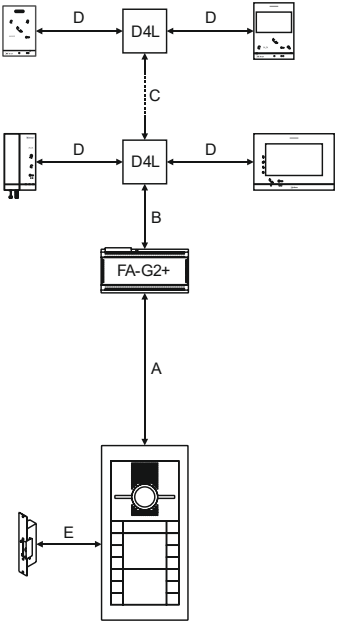
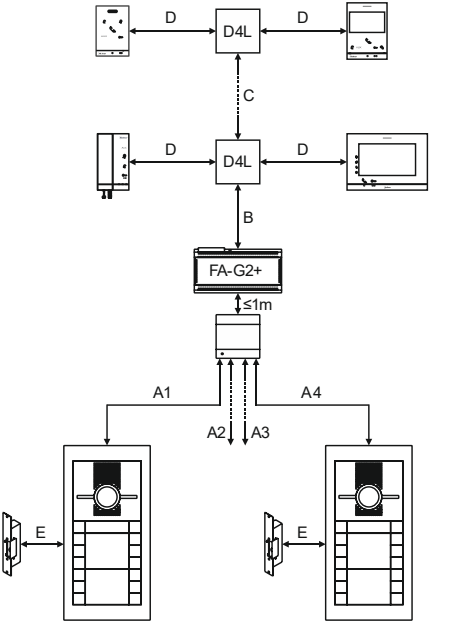
INSTALLATION DIAGRAMS. Up to 32 monitors

One access door

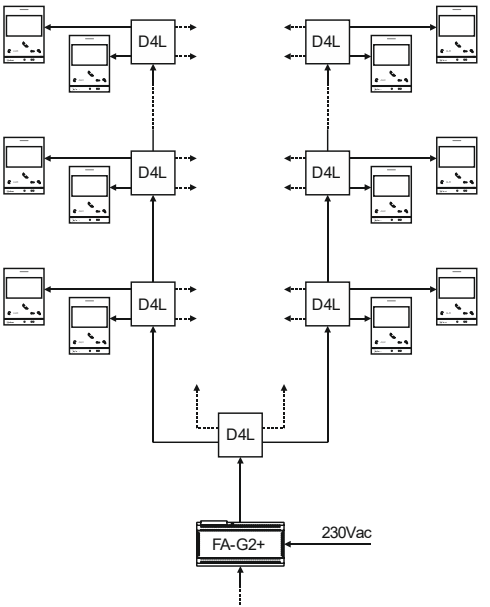


Several access doors



INSTALLATION DIAGRAMS. Up to 32 monitors

Multiple columns with distributed monitors



Multiple columns with cascading monitors

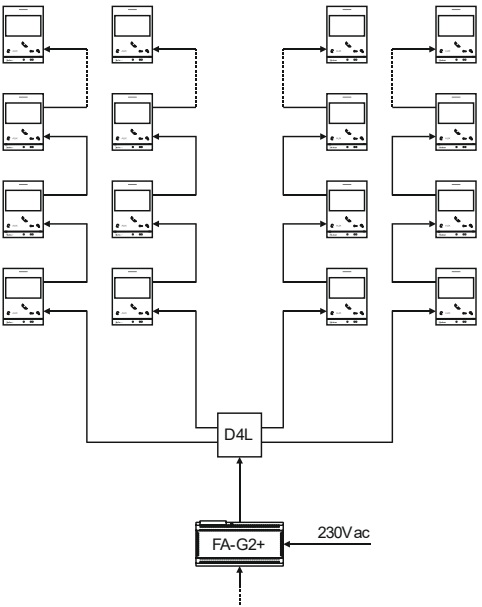


TABLE OF SECTIONS

	Installation section					
Cable Type	**A_n**	**B**	**C**	**D**	**A + B + C + D**	**E**
RAP-GTWIN/HF (2 x 1mm^2)	80m	80m	80m	40m	200m	20m
CAT5 (2 pairs + 2 pairs)	60m	60m	60m	30m	120m	20m
CAT5 (1 pair + 1 pair)	30m	30m	30m	15m	60m	10m
CAT5 (1 pair)	20m	20m	20m	5m	30m	5m
Sheathed cable (2 x 1mm^2)	60m	60m	60m	30m	120m	20m
Sheathed cable (2 x 0,5mm^2)	40m	40m	40m	20m	90m	10m
Sheathed cable (2 x 0,25mm^2)	20m	20m	20m	10m	40m	5m

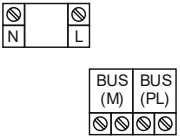
USE OF END-OF-LINE RESISTOR

For optimal transmission of the video signal and digital communications, video distributors, monitors, and telephones must have the end-of-line resistor positioned according to their position in the installation. This resistor is available via a switch on monitors and telephones, and via a jumper in the case of distributors. End-of-line resistor must be activated in the following cases:

- Video distributor: when the BUS output is not used to connect to another distributor, monitor, or phone.
- Monitor or telephone: when the BUS output is not used to connect with another monitor or telephone.

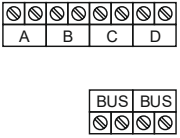
DESCRIPTION OF OTHER DEVICES

FA-G2+ power supply



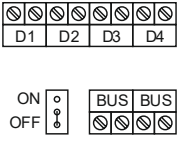
N, L: 230VAC input
BUS (M): Connection to distributors or monitors
BUS (PL): Connection to door panel or multiplexer

DPM-G2+ door panel multiplexer



A, B, C, D: Connections to door panels
BUS: Connection to power supply (PL). The distance between the power supply and the multiplexer must be less than 1 meter.

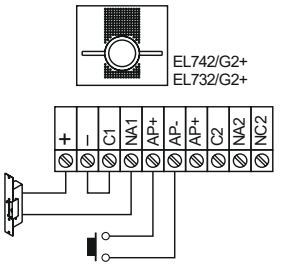
D2L-G2+ and D4L-G2+ video distributors

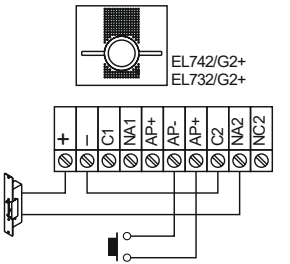


D1 to D4: distributed outputs
BUS: Input / output from / to other distributors
End-of-line resistor jumper

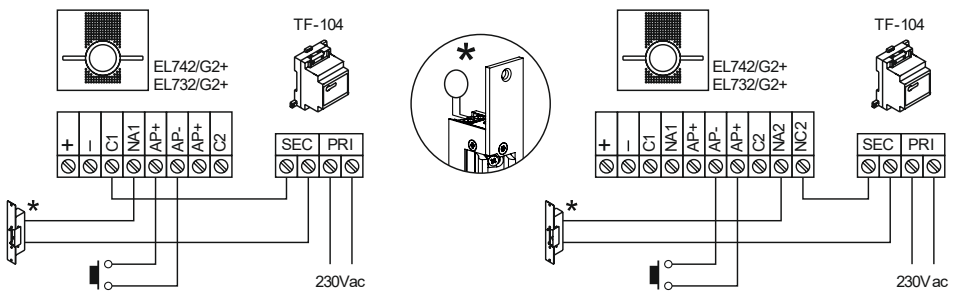
INSTALLATION DIAGRAMS. Connecting locks and exit buttons

DC lock (12Vdc, 270mA max)

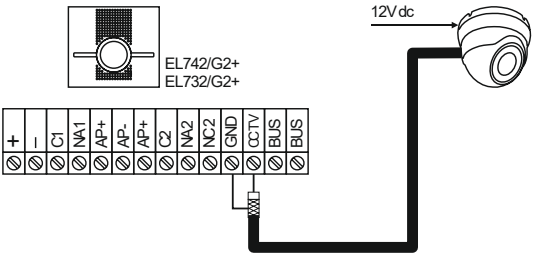




AC lock (12Vac, 850mA max. * Place the supplied varistor on the lock terminals)



INSTALLATION DIAGRAM. Connecting an analogue CCTV camera



INSTALLATION DIAGRAM. Systems with more than 32 monitors, greater distances and other topologies

Refer to the RD-G2+ digital repeater instruction manual (code 12258960).

BASIC PROGRAMMING

Basic programming allows you to modify some of the parameters of the factory settings.

To enter programming, press the programming push button once. The lighting LEDs on the push buttons will flash once. The module will enter programming when the illumination LEDs on the push buttons are switched off, the status indicator lights flash, and a short tone is heard.

The call push button on the left of the module allows you to advance to the next programming parameter, and the one on the right changes the value of the selected parameter.

The status indicator lights show the parameter being programmed, and the push button illumination indicators show the parameter value.

In the case of message language selection, the module will emit the "Open door" message in the selected language. Use the push button on the right until you find the desired language, which will be selected when you move to the next programming parameter or exit the programming mode.

To finish programming and save your changes, press the programming push button again. The module will automatically exit the programming mode, and save the changes, 10 minutes after entering the program. The module will emit a long tone to indicate the output of the programming mode.

Notes:

Status indicators: O (orange), B (blue), G (green), R (red).
Door panel address: for addresses greater than 2 use programming via Wi-Fi.

STATUS INDICATORS				PUSH BUTTON LIGHTING			PARAMETER
O	B	G	R	OFF	ON	BLINK	
-	-	-	On	1	2	-	Door panel address
-	-	On	-	No	Tone	Message	Acoustic signalling
-	-	On	On	English	Spanish	Other	Message language
-	On	-	-	Low	Middle	High	Acoustic signalling volume
-	On	-	On	No	Yes	-	Illumination sensor
-	On	On	-	No	Yes	Auto	Camera illumination
-	On	On	On	No	Yes	-	Push buttons module illumination
On	-	-	-	No	Yes	-	Automatic door opening
On	-	-	On	No	Yes	-	CCTV camera as the main video
On	-	On	-	No	Yes		Reset to factory defaults

Factory settings in grey

ADVANCED PROGRAMMING VIA WI-FI

Wi-Fi programming allows you to modify all the parameters of the door panel.

To activate the module's Wi-Fi network, press the programming push button until you hear four short tones and the status indicators flash. Search from a smartphone, tablet or computer for the Wi-Fi network "Golmar_EL732/G2+_MAC *address*" and connect to it. Open the internet browser and enter the http://192.168.1.254 address to access the module's web server, or scan the QR code on the front of the EL732/G2+ or EL742/G2+ module.

When you access the module's web server, the browser will load all the parameters. If this is the first time, it will load the factory values.

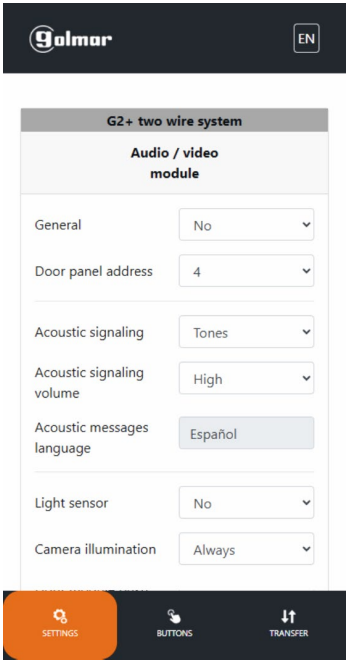
To end the Wi-Fi connection, press the programming button again. The module will automatically exit programming mode 10 minutes after the loss of connection to the Wi-Fi device or after saving the changes from the browser. Changes made are not automatically saved to the door panel. Once all changes are completed, they must be submitted from the data transfer screen. The module will emit a long tone to indicate the output of the programming mode.

WEB BROWSER DESCRIPTION

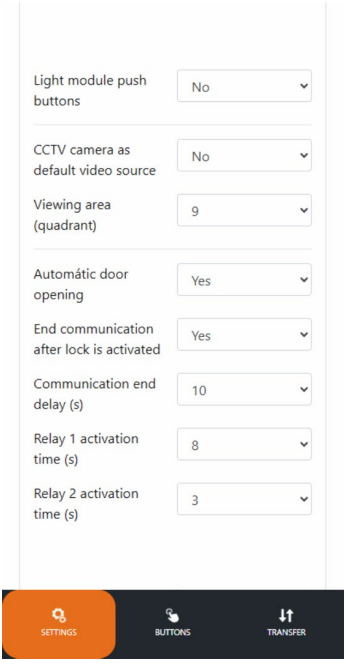
The web browser is divided into three screens or tabs: settings, buttons, and transfer. You can change the language using the button at the top right of the browser.

SETTINGS tab

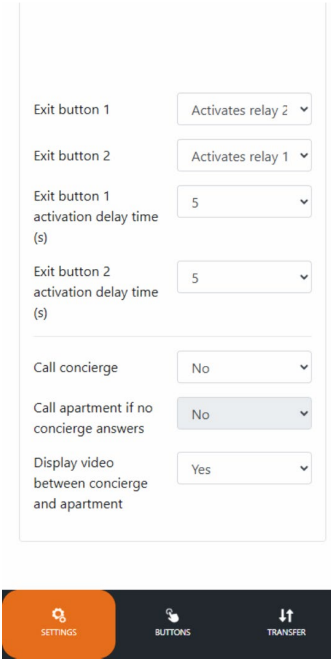
- General. Defines whether it is a general door panel (YES) or an interior door panel (NO). **Warning**: If you have coded the pushbuttons as a general panel, and then change this option to NO, the assigned building number will be lost.
- Door panel address. Indicates the general door panel number (1 to 4) or interior door panel number (1 to 16).
- Acoustic signaling. Indicates the type of acoustic signaling of the door panel: none (NO), tones or vocal messages.
- Acoustic messages language. Select the language for voice messages. Only active if the vocal messages option is selected as acoustic signaling.
- Light sensor. When activated, the illumination of the buttons varies depending on the ambient light.
- Camera illumination. Allows you to select whether the camera's illumination LEDs are always on, never on, or automatically based on ambient light.



- Light module push buttons. Select the NO option if the front of the module does not have push buttons.
- CCTV camera as default video source. If you have an external video camera connected to the module, it allows you to select it as the main camera instead of the camera integrated into the module.
- Viewing area (quadrant). Allows you to concentrate the image on one of the nine available quadrants, avoiding the visualization of objects such as nearby walls.
- Automatic door opening. Allows the door to open automatically when a call is made. The monitor or telephone in the called apartment must also have this feature activated..
- End communication after lock is activated. When this function is activated, communication ends after the time defined in “Communication end delay”.
- Communication end delay. Sets the time (in seconds) to end communication after opening the door. Only effective if the "End communication after lock is activated" feature is enabled.
- Relay 1 activation time. Sets the time (in seconds) that relay output 1 remains active when activated.
- Relay 2 activation time. Sets the time (in seconds) that relay output 2 remains active when activated.



- Exit button 1. Allows you to select which relay will be activated (1 or 2) when pressing the exit button 1.
- Exit button 2. Allows you to select which relay will be activated (1 or 2) when pressing the exit button 2.
- Exit button 1 activation delay time. Allows you to select the time that elapses between pressing the button and the activation of the corresponding relay.
- Exit button 2 activation delay time. Allows you to select the time that elapses between pressing the button and the activation of the corresponding relay.
- Call concierge. Determines under what circumstances this door panel calls the concierge (if applicable) and regardless of the apartment being called: never, always, or only if the called apartment does not answer.
- Call apartment if no concierge answers. If there is a concierge, and it has been determined that he receives calls, it allows the call to be diverted to the apartment if the concierge does not answer.
- Display video between concierge and apartment. Allows the apartment to view the image from this panel during conversations with the concierge. This feature can only be activated on one of the building's door panels.

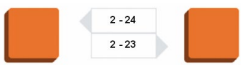


BUTTONS tab

When you log in to your web browser, it receives information about how many modules have buttons and the code assigned to each button. The "Factory default settings" button resets the code assigned to all buttons..

The first module shown is the audio/video module. Use the arrow keys to access the other pushbutton modules..

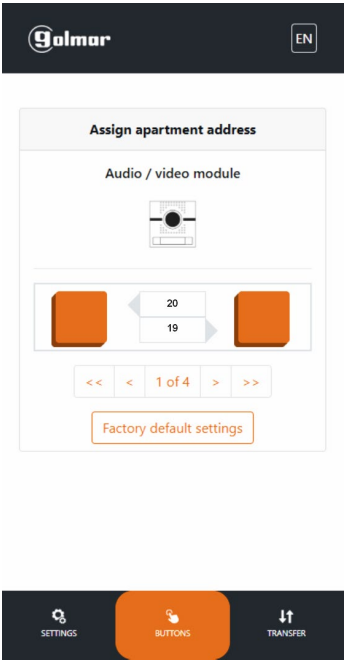
The code assigned to each button is shown in the white box. For general panels, this code is accompanied by the block number.

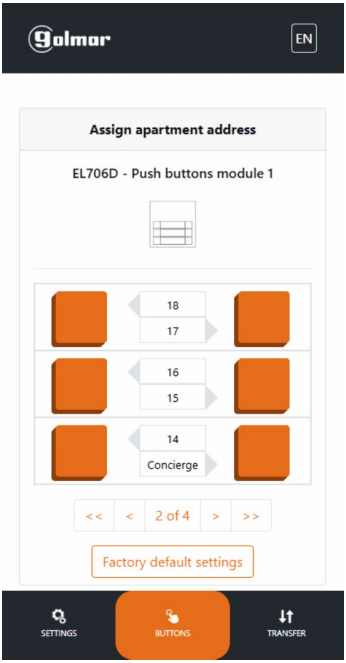


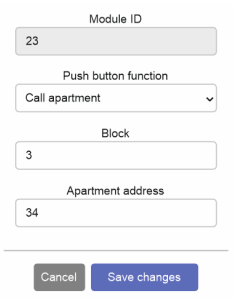
To change the settings of a button, click on the corresponding orange square and the properties window will appear.

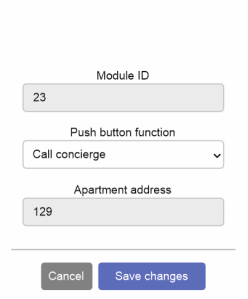
The settings that appear in the properties window are:

- Module ID. It is for information purposes only and indicates the position the module occupies on the door panel. In the case of the audio/video module, it is always 23.









- Push button function. Allows you to choose whether the button calls the apartment or the concierge. If you choose to call the concierge, the address of the apartment is set to 129.
- Block. Defines which block (1 to 32) the apartment is located in. Only in the case of general door panels.
- Apartment address. Defines the code with which the push button will call the apartment (1 to 128). It is possible to use the same code for several buttons.

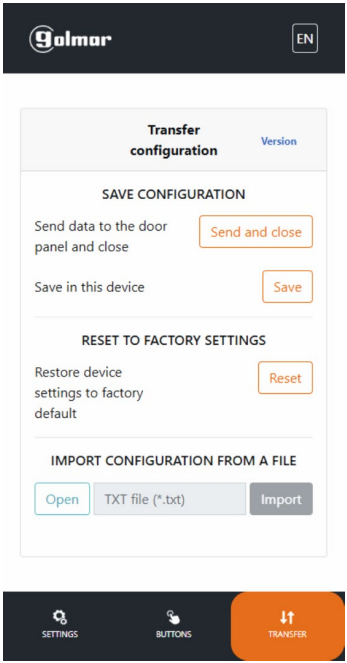
By clicking “Save Changes” you will leave the push button properties window, but the changes will not take effect until you send the data to the door panel from the transfer tab.

TRANSFER tab

To save the changes, click "Send and close." The data will be sent to the audio/video module, and the device will exit advanced programming mode.

It's recommended to make a backup copy on your portable device by clicking "Save." This way, if the audio/video module fails, you can import the saved configuration to a new module.

Using the “Reset” button, the audio/video module is returned to factory settings.



SIMPLIFIED EU DECLARATION OF COMPLIANCE

Golmar Sistemas de Comunicación S.A. declares that the radio equipment types:
12580732 MOD TELECAM EL732/G2+ and **12580742 MOD SONIDO EL742/G2+**
comply with European Directive **2014/53/EU**. Wi-Fi frequency band: 2.4 GHz. Output power (max): 18 dBm.

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

Note: operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. this device must accept any received interference, including the ones that may cause undesired operation.

Sistemas de comunicación S.A.

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