G2+

TECHNOLOGY

USER MANUAL

Soul kit



G2+ 2-wire installation Art 7W monitor with Wi-Fi connectivity

Code 50122126 **TS5110 ART 7W EN** REV.0220

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RECOMMENDATIONS

- Preferably use a Golmar **RAP-GTWIN/HF** cable (2x1mm²).

- The wiring must run at least **40cm away from any other wiring**.

- **Always disconnect the power supply** before making modifications to the device.

- The installation and handling of these devices must be carried out by **authorised personnel.**

- Check all connections before starting the device.

- Always follow the instructions contained in this manual.

SYSTEM OPERATION

To make a call, the visitor must press the button of the apartment; an audible sound indicates that the call is being made and LED will illuminate. At this moment, the apartment's monitor(s) receive(s) the call. If the visitor presses the button for another apartment by mistake, the call can be cancelled by pressing the button for the correct apartment.

In systems with several access doors, the other door panel(s) will be automatically disconnected. If another visitor tries to call, a number of telephone tones will be heard to indicate that the system is busy and LED will illuminate.

Upon receiving the call, the image will appear on the screen of the master monitor (and slave 1, if it exists) without the visitor knowing and icon displayed on the screen will blink green. To view the image from slave monitors 2 or 3, press the screen for the image to appear. If the call is not answered within 45 seconds, LED will turn off and the system will become free.

If call transfer to your mobile phone has been programmed, you can cancel the transfer at any time from the monitor, with it being necessary to communicate with the door panel from the main menu.

To establish communication, press off-the-hook icon on the screen. Door panel LED will illuminate. Connection will last for 90 seconds or until on-the-hook icon is pressed. When communication ends, LED will turn off and the system will become free.

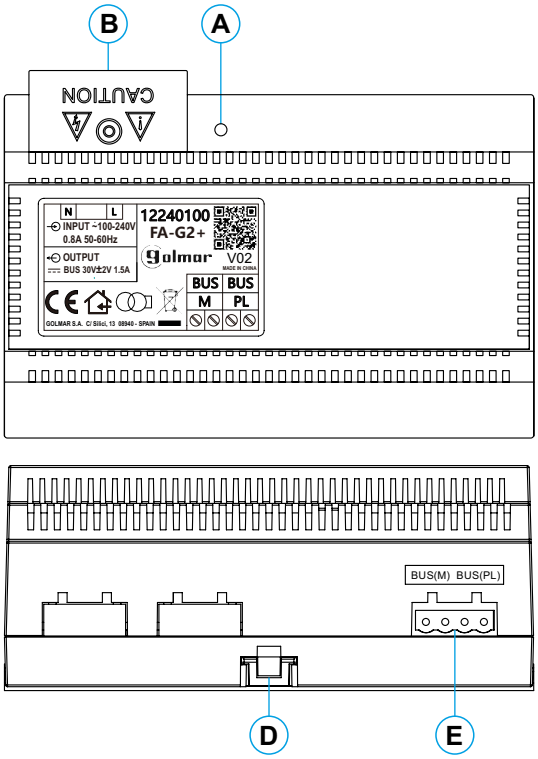
To open door 1 or activate auxiliary output 2 of the door panel, press the corresponding icon. A single press activates the lock release or auxiliary output for 3 seconds, and LED on the door panel illuminates. The activation time is programmable, as indicated on pp. 31-33.

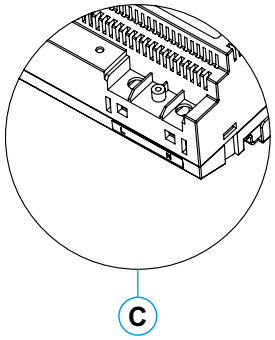
Detailed operation of the monitor is described on pp. 11-23.

The owner of the apartment can activate the lock release by holding the proximity key over the reader. If the proximity key is held for three seconds, the auxiliary relay output will be activated.

FA-G2+ POWER SUPPLY

Description





A. On/off indicator light.
B. Protective cover for the current input.
C. Detail of current input terminals without protective cover.
D. Fastening tab on DIN rail.
E. Installation terminals.

Specification

Input Voltage:	100~240Vca
Input Frequency:	50~60 Hz
Rated Output Voltage:	30 Vdc ± 2V
Rated Output Current:	1,5A
Working Temperature:	-10ºC ~ 40ºC
Dimensions:	140*90*60mm

Installation

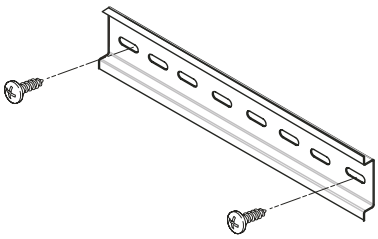
The fitting and handling of the power supply must be carried out by authorised personnel in the absence of electrical current.

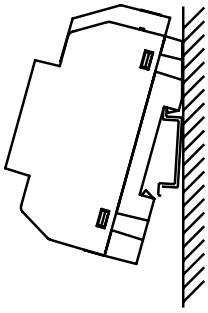
Install the power supply in a dry, protected and ventilated location. Make sure that the vents are not obstructed. Use a DIN 46277 rail for fastening (8 elements).

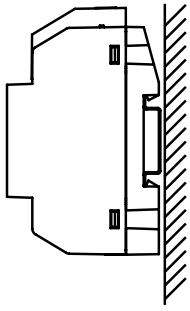
Note that current regulations stipulate that the power supply must be protected by a circuit breaker.

To prevent electric shock, do not remove the protective cover without first disconnecting the power supply. Replace it once all connections have been made.

Connect the wires to the installation terminals following the instructions in the diagrams.

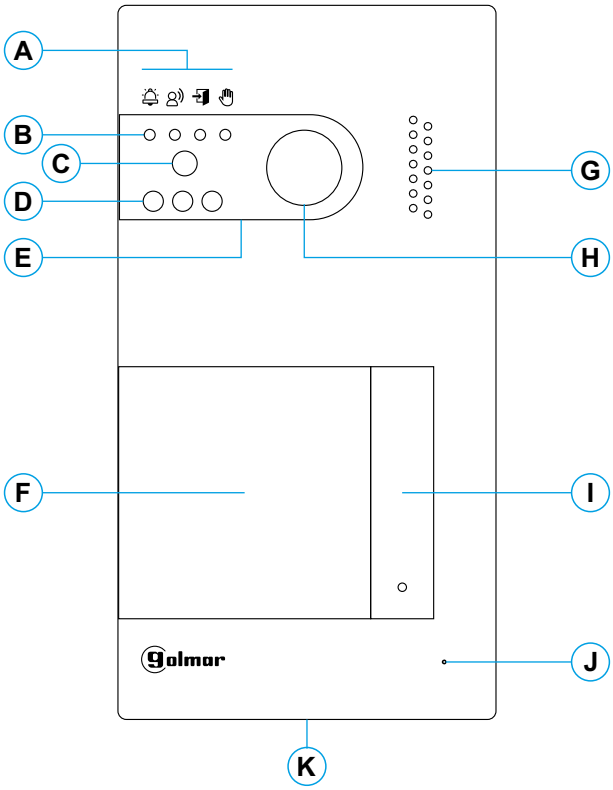


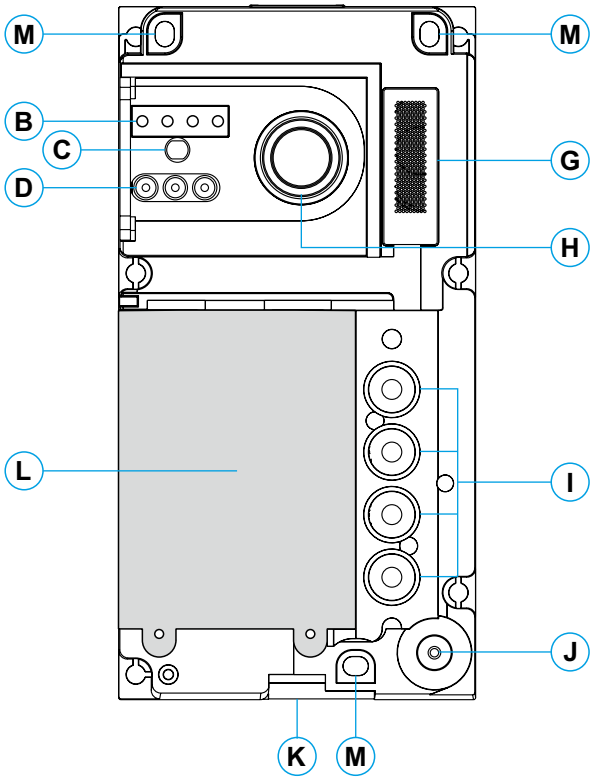


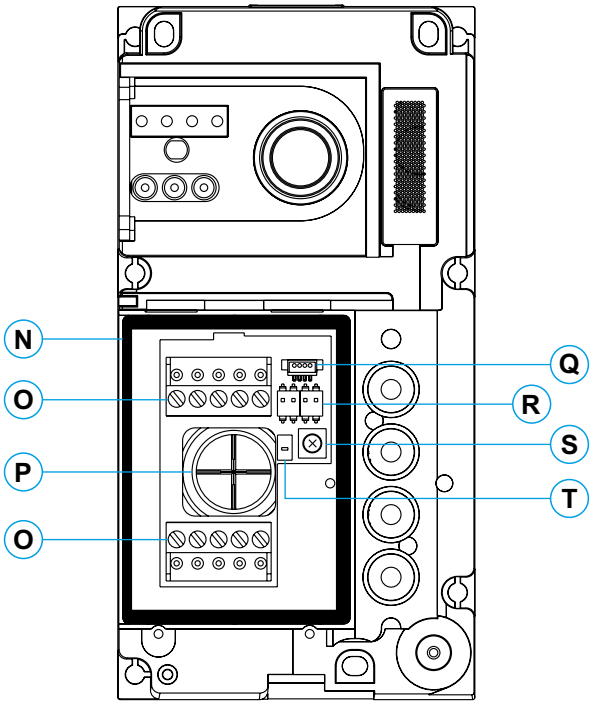


SOUL PANEL

Description







A. System status icons:
- Call in progress.
- Communication established.
- Lock release activated.
- System busy.

B. System status indicator lights.
C. Ambient lighting sensor.
D. Night viewing lighting.
E. Protective polycarbonate.
F. Proximity card reader.
G. Speaker grill.
H. Colour camera.
I. Call button(s).
J. Microphone hole.
K. Front fixing screw.
L. Proximity reader.
M. Wall fixing hole (x3). **Do not overtighten the fixing screws.**
N. Proximity reader gasket.
O. Installation terminals.
P. Cable grommet.
Q. Proximity reader connector.
R. Configuration switches.
S. Volume control potentiometer.
T. Proximity reader configuration button.

SOUL PANEL

Installation

The door panel has been designed to withstand diverse environmental conditions. It is however advisable to take extra precautions to prolong its service life, such as locating it in a covered area.

For optimum image quality, avoid direct contact from light sources (sunshine, street lights, etc.).

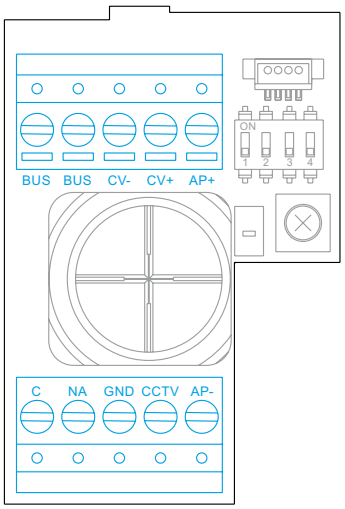
For correct installation: (locate the top of the door panel at a height of 1.65m).

1. Remove the metal front piece of the door panel by loosening the bottom screw with the Allen key supplied. On the back of the front piece, you will find the button personalisation label.
2. Remove the screws that secure the proximity reader.
3. Present the door panel to the wall, positioning the top at 1.65m. Pass the installation cables through the cable grommet.
4. Drill three 6mm holes at the indicated points (M), see p. 5. Insert the plugs supplied and fix the door panel to the wall using the screws supplied.
5. Connect the cables to the removable terminals following the instructions in the installation diagrams.

Before replacing the proximity reader and closing the door panel, make the necessary settings (proximity key programming, audio level setting, etc.), as indicated throughout this manual. Make sure that the proximity reader gasket is properly fitted.

Installation terminals (O)

For ease of installation, the installation terminals are removable and supplied in a separate bag. Once the terminals are wired, place them in position.



BUS, BUS: communications bus (non-polarised).

CV-, CV+: lock release output 12Vdc (maximum 270mA).

AP+, AP-: remote activation button connection. **Note: For correct operation, the monitor's address 1 must be connected to the Bus.**

C, NA: potential-free relay output (maximum 6A/24V).

GND, CCTV: input for external analogue camera.

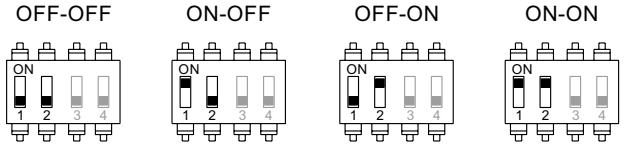
SOUL PANEL

Configuration switches (R)

Configuration changes should be made with the equipment turned off. If they are performed with the equipment turned on, disconnect it for 10 seconds after any modification.

All switches are factory set to OFF.

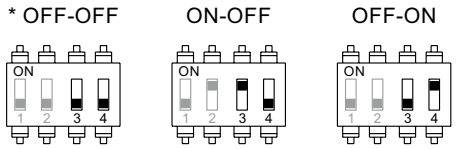
Note: Configuration of the DIP switches for the SOUL/1, SOUL/2 and SOUL/4 door panels with version V04 and later.



Door panel 1 | Door panel 2 | Door panel 3 | Door panel 4

Switches 1 and 2.

Defines the door panel address.



1 apartment | 2 apartment | 4 apartment

* Same value as setting them to ON-ON.

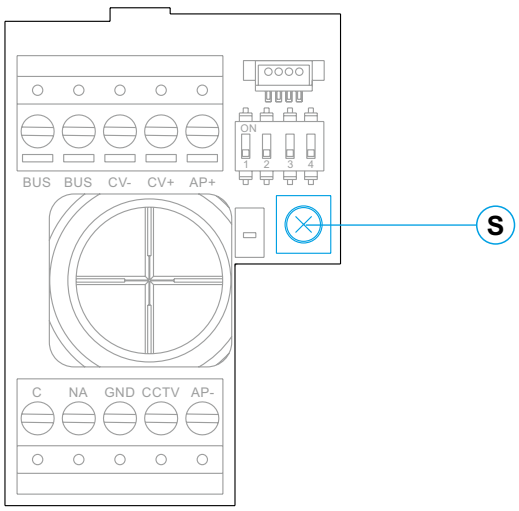
Switches 3 and 4.

Define the number of apartments:

1: all buttons call apartment 1.
2: the two bottom buttons call apartment 1, the two top buttons call apartment 2.
4: each button calls one apartment.

Setting the audio level

If the audio volume on the door panel after starting up the device is not adequate, use the volume control potentiometer (S). This setting affects the communication and confirmation tone audio level.



SOUL PANEL

Programming the proximity reader (L)

Make sure that the device is powered and the reader is connected to the door panel (Q).

To add user keys (up to 60) to the memory of the proximity reader, it is necessary to create a programming key and a user registration key. In order to facilitate identification, we recommend using the yellow key to programme and the blue key to register users. Use the grey ones as user keys.

Creating programming and registration keys.

NOTE: This process completely deletes the memory of the proximity reader.

Press the programming button of the proximity reader (T): the door panel will emit six short tones. Within ten seconds, hold the programming key up until the door panel emits a short confirmation tone and then hold the user registration key up until the door panel emits a long confirmation tone. If no key is held up within ten seconds of pressing the programming button, the door panel will emit a long tone and the memory will have been completely deleted.

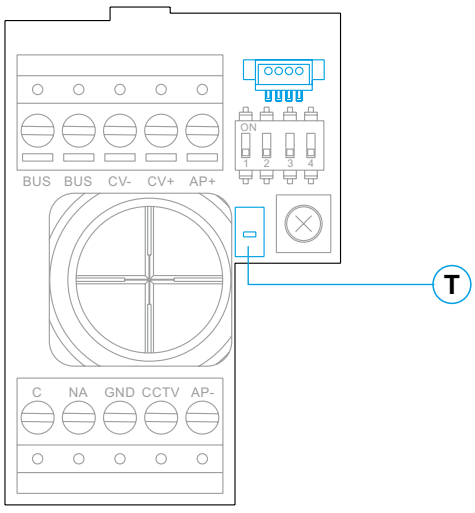
Once the programming and registration keys have been created, the addition and deletion of user keys can be done with the door panel closed.

Adding user keys.

Hold the registration key up to the reader: the door panel will emit four short tones. One by one, hold up the user keys that you wish to add until a short tone is emitted for each key added. Ten seconds after adding the last key, the door panel will emit a long tone to confirm completion of the process.

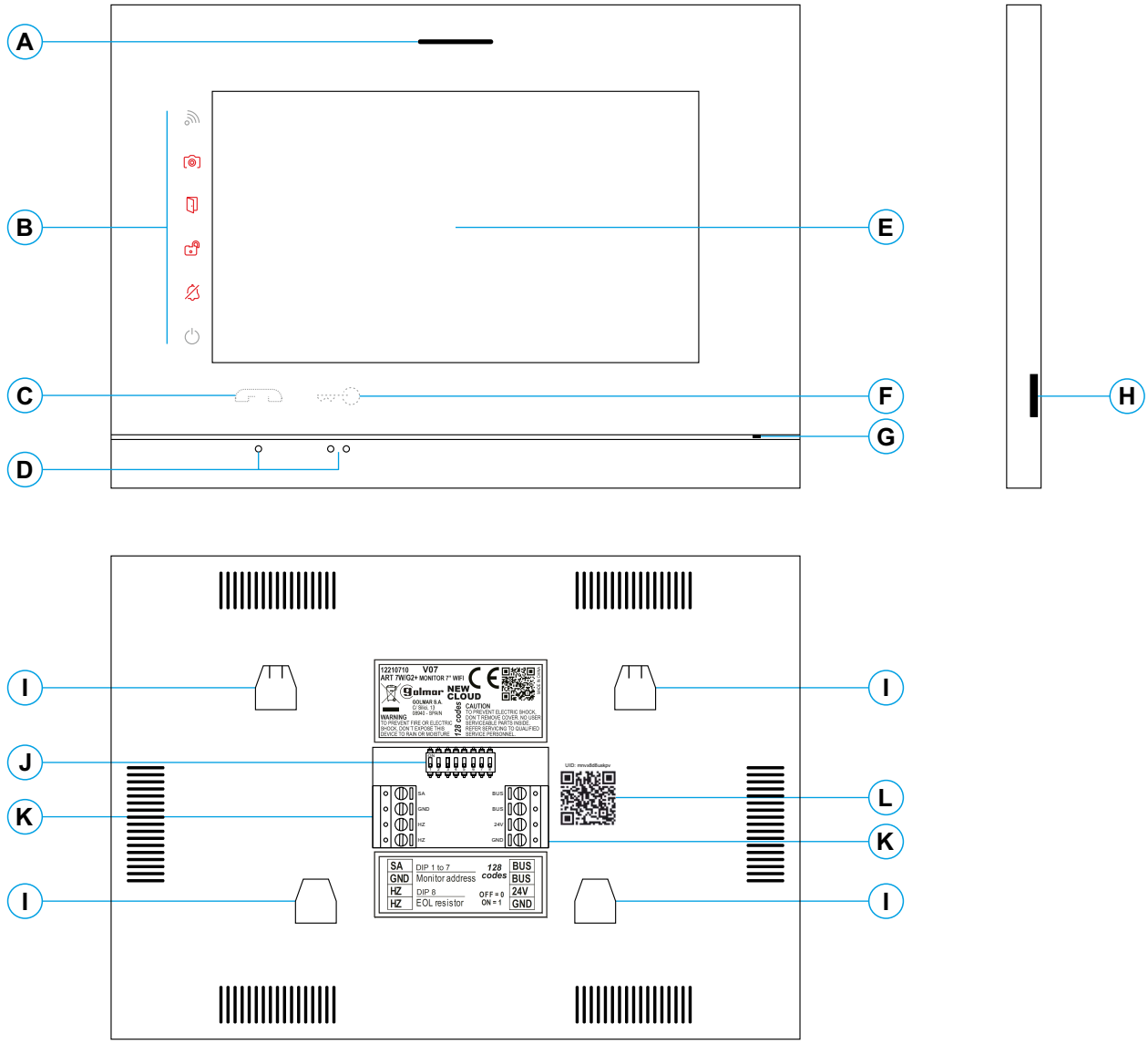
Deleting all user keys.

Hold the programming key up to the reader: the door panel will emit four short tones. Hold up the registration key, and the door panel will emit a long tone to confirm deletion of all of the keys. After ten seconds, if the registration key has not been held up, the door panel will emit a long tone to confirm completion of the process.



ART 7W/G2+ MONITOR

Description



A. Speaker.

B. Notification icons:

- Power on indicator.
- Do not disturb.
- Auxiliary relay activated.
- Door opening.
- New image/video.
- Wi-Fi transfer activated.

C. Hidden (icon) start/stop communication button:
Note: ART 7W/G2+ monitor 'V.01 + No. 6539 and V.02' or later: For the visually impaired, by default deactivated (see p. 32 'special codes').

D. Raised dots for the visually impaired.

E. Touch screen.

F. Hidden (icon) door opening button.
Note: ART 7W/G2+ monitor 'V.01 + No. 6539 and V.02' or later: For the visually impaired, by default disabled (see p. 32 'special codes').

G. Microphone.

H. MicroSD card slot (not included).
Type: MicroSD Class 10 from 4Gb to 128Gb.

I. Wall mounting connector fixing (x4).

J. Configuration switches.

K. Installation terminals.

L. UID code label of the monitor.

ART 7W/G2+ MONITOR

Installation

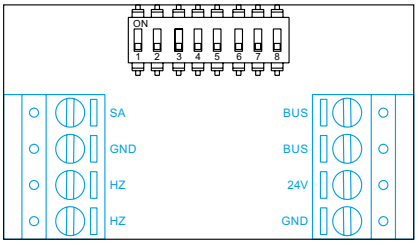
Avoid dusty or smoky environments or locations near sources of heat.

For proper installation, use the template supplied with the product.

1. Position the top of the template at a height of 1.65m.
2. If you are going to use an embedding box to pass the wiring through, make sure that it is in line with the holes corresponding to the box model chosen and fix the connector. If you prefer to fix the connector directly to the wall, make four 6mm holes at the points indicated (A), insert the wall plugs supplied and screw in the connector.
3. Pass the installation wires through the middle hole and connect them to the removable terminals as shown in the wiring diagrams. Before connecting the removable terminals to the monitor, configure the switch as indicated below.
4. Connect the removable terminals to the monitor and place the monitor in front of the connector, making sure the fixings line up. Move the monitor downwards to secure it.

Installation terminals (K)

For ease of installation, the installation terminals are removable and supplied in a separate bag. Once the terminals are wired, place them in position.



BUS, BUS: communications bus (non-polarised).

24V, GND: local power input.

SA, GND: auxiliary call repeater output (maximum 50mA/12V).

HZ, HZ: apartment front door button input:

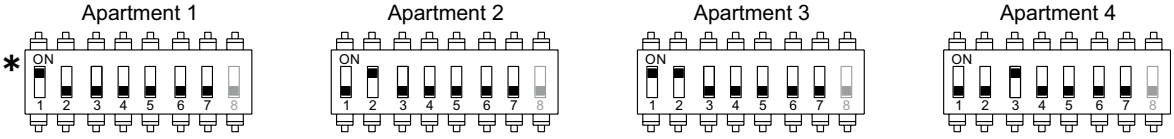
Note: ART 7W/G2+ monitor 'V.01 + No. 6539 and V.02' or later: Connect only on the master monitor. The signal received is then transmitted to the slave monitors in the same apartment through the BUS.

Note: HZ push button function mode (ART 7W/G2+ monitor "V.05" or later): When HZ push button is pressed will be call tone and activate the output of auxiliary call repeater with standby monitor, call process, communication process (HZ tone with lower audio level), intercom process and "Do not disturb" mode. **Important:** Up to 6 monitors/ apartments with push button "HZ" activated at the same time (with system and monitors in standby).

Configuration switches (J)

Switches 1 to 7.

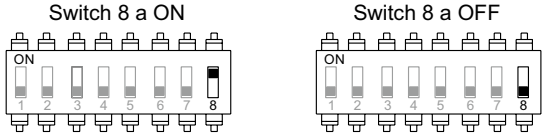
These assign the address of the corresponding monitor to its call button on the door panel. Switches 4-7 must remain in the OFF position.



∗ Apartment 1 (DIP 1 to ON) ART 7W G2+ monitor with V.04 and later.

Switch 8.

This activates the end-of-line resistance in the ON position. Activate it in monitors where the bus cable ends. Deactivate it only in intermediate monitors.

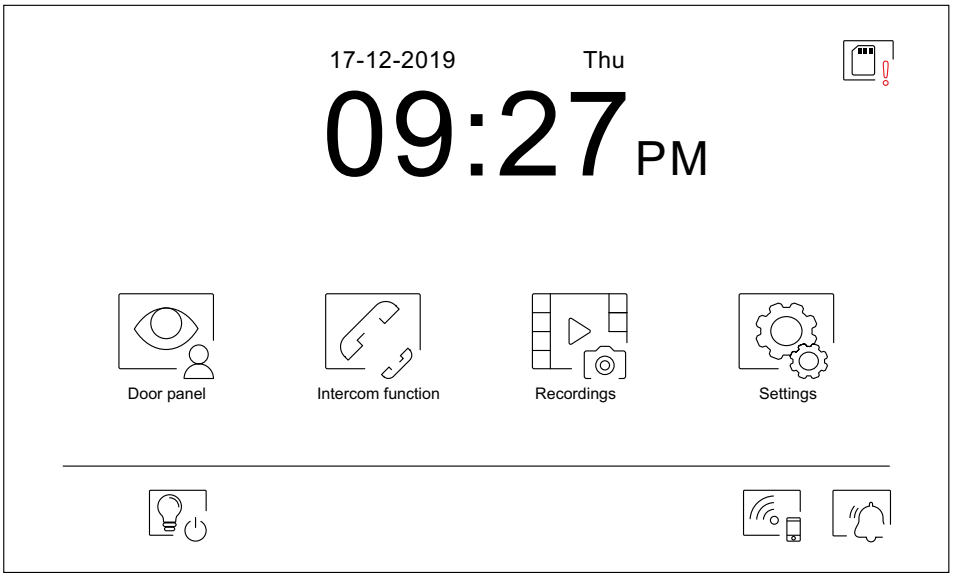


To define whether the monitor is master or slave:

To define whether the monitor is master or slave (see special codes page 32). Each apartment must have one master monitor, and only one. In the case of apartments with more than one monitor, the monitor with Wi-Fi transmitter should always be the master.

ART 7W/G2+ MONITOR

Main menu



If the device is in standby (screen off), touch any part of the screen to activate it and bring up the main menu. The device will return to standby mode after 20 seconds without activity.

Display the image from the door panels and cameras connected to the system.
Note: ART 7W/G2+ monitor 'V.01 + No. 6539 and V.02' or later: This enables the door panel camera to be changed, the audio of the corresponding door panel to be activated and the door to be opened.

Access the menu for intercom with other monitors in the system.

Display the list of images recorded in the device memory. If there are new or unseen images, the number will be displayed in the top right of the icon and notification icon will illuminate. If the number is greater than 9, three points will be displayed.

Change the system settings.

Press to "staircase light" activation (SAR-G2+ & SAR-12/24 modules required). The button can be set to be displayed or not in the main menu, see 'Screen' settings on p. 13.

Indicates that the inserted MicroSD card must be formatted from the monitor. Press to access the storage functions menu and format the card.

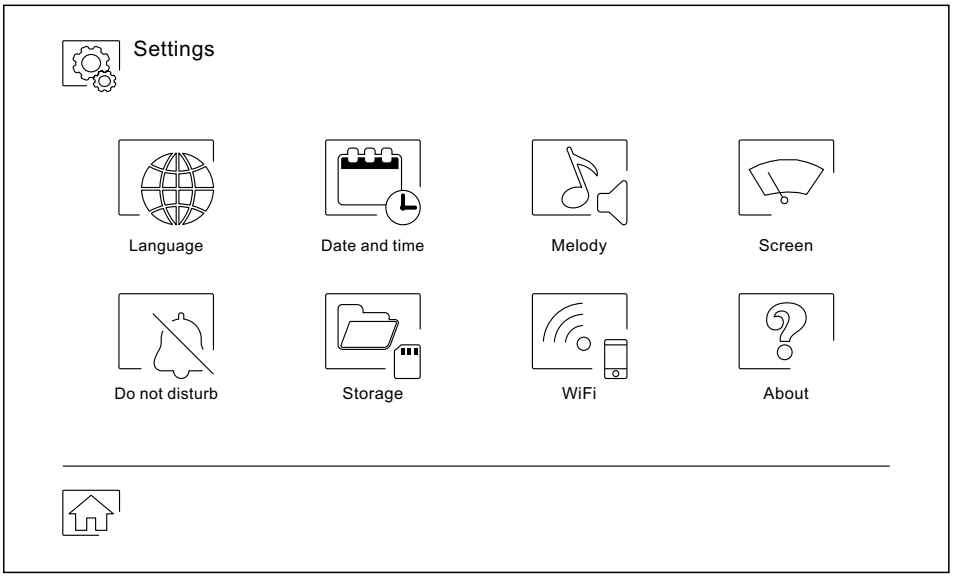
Press to activate or deactivate Wi-Fi transmission. The icon will change colour (white on, grey off) and notification icon will illuminate depending on the status.
Note: ART 7W/G2+ monitor 'V.01 + No. 6539 and V.02' or later:
Press for 3 seconds to activate/deactivate Wi-Fi transmission.
Important: Only the master monitor can activate Wi-Fi transmission.

Press for 3 seconds to activate or 1 second to deactivate the 'Do not disturb' function, the monitor does not sound when a call is received (see note “HZ” page 10). The notification icon will illuminate depending on the status.

Important: New main menu with ART 7W G2+ monitor with V.04 and later.

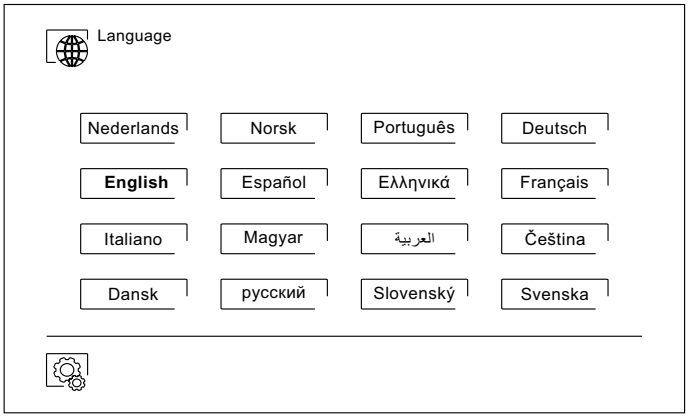
ART 7W/G2+ MONITOR

Settings menu



Use icon to return to the main menu.

Select one of the 16 languages available for the user interface. Once selected, confirm by pressing icon , and the monitor returns to the settings menu.

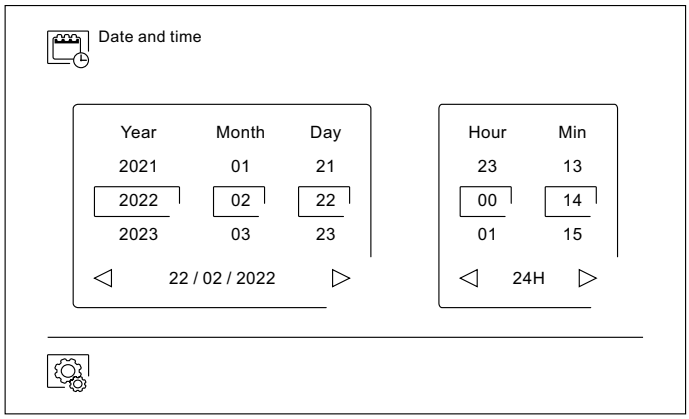


Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

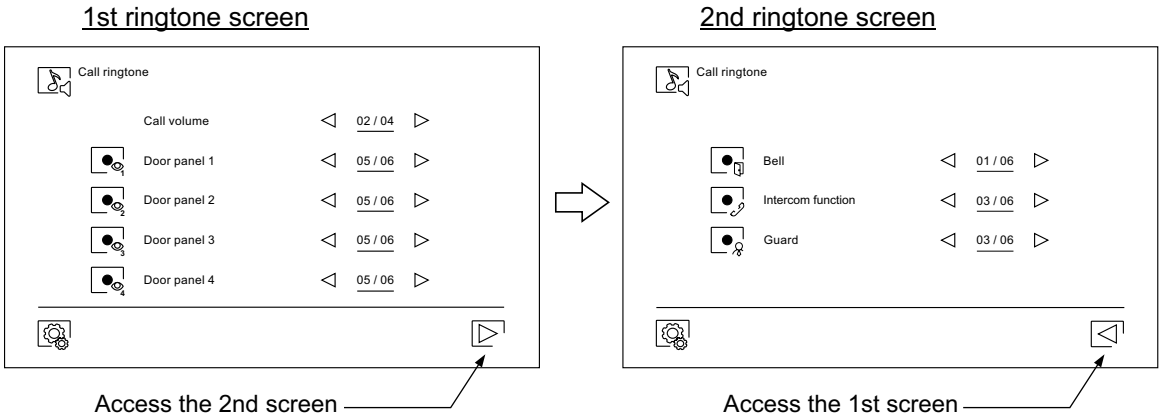
ART 7W/G2+ MONITOR

Settings menu

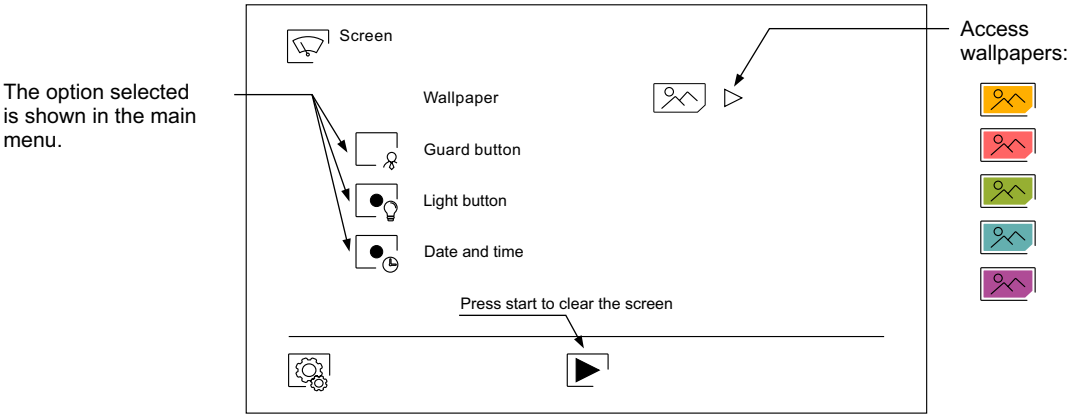
Set the date and time of the system, and the presentation format. Change the values by sliding up or down, and use the arrows to change the formats. Validate the changes made with icon , and the monitor will return to the settings menu.



Adjust the call volume and identify the origin of the calls when you are not in front of the monitor, select the desired volume and melodies using the arrows. Once finished, confirm your selection with icon .



Customise the monitor with one of the six available wallpapers, display the guard buttons, light (no function) and the date/time on the main menu screen. Validate the changes made with icon , and the monitor will return to the settings menu.



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

ART 7W/G2+ MONITOR

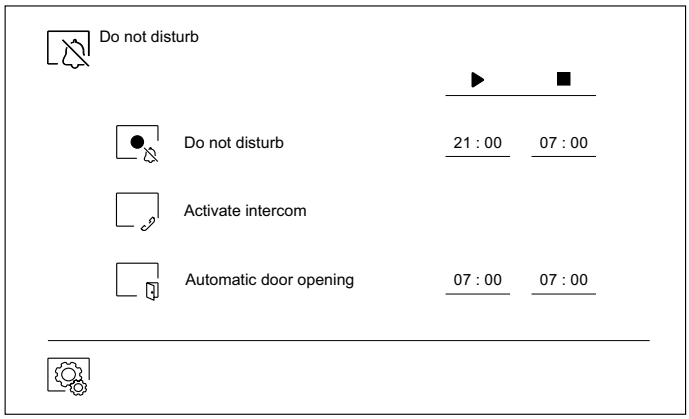
Settings menu

In the 'Do not disturb' settings, you can set a period of time during which the monitor will not sound when receiving calls (see note “HZ” page 10). To do so, select the do not disturb function and choose the time period. From the main menu, you can enable and disable the 'Do not disturb' function regardless of the timer status.

If you wish to be contacted from another monitor in another apartment, activate the intercom function.

To activate the automatic door opening function (3 seconds after receiving a call from the door panel), select the 'Automatic door opening' function. Then choose the time period. **(This function is disabled by default. To enable it, see pp. 31-32).**

Validate the changes made with icon , and the monitor will return to the settings menu.

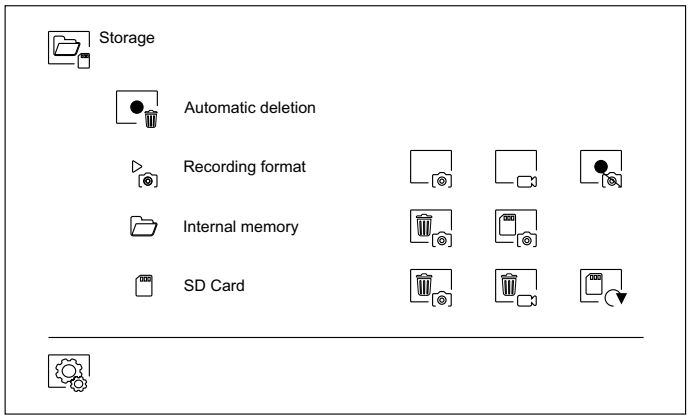


In some countries, the law does not permit the storage of images or videos for more than 30 days after recording. The automatic deletion function performs this task for you. You can disable this function if your country's legislation does not require it, or under your responsibility.

If you have not inserted a MicroSD card into your monitor, only still images can be recorded in the internal memory of the monitor (up to 100). If you have inserted one, the images and videos will always be recorded on the card, and the images in the internal memory cannot be displayed until you copy them to the card.

From this menu, you can delete contents, copy from the internal memory to the SD card and format the card. Any of these actions will require confirmation.

Use icon to return to the settings menu.



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

ART 7W/G2+ MONITOR

Settings menu

During the first startup of the device, we recommend resetting the Wi-Fi parameters using icon .

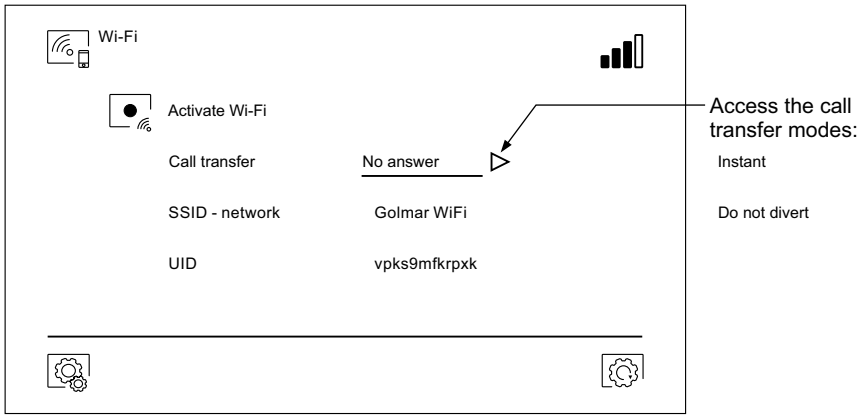
Note that **only the master monitor can activate Wi-Fi transmission**.

The Wi-Fi menu shows information about the identity of the monitor (UID), the name of the network to which it is connected (SSID) and the signal strength. To connect the monitor to your Wi-Fi network, you must use the app G2Call/ G2Call+:

(*) **G2Call:** ART 7W monitor with V.05 and previous. For the configuration and settings of the app, see manual “TS5110 ART 7W EN REV.0120" (cód. 50122126).

(*) **G2Call+:** ART 7W monitor with V.06 and later. For the configuration and settings of the app, see manual “TAPP G2CALL+ G2+ ML REV.0121" (cód. 50123137).

Using icon ▷ , select the desired transfer mode ('instant' start of the call transfer to the mobile phone within 3 seconds of making the call on the door panel, 'No answer' start of the call transfer to the mobile phone 50 seconds after making the call on the door panel, 'Do not divert' there is no call transfer to the mobile phone. Validate the changes made with icon , and the monitor will return to the settings menu.

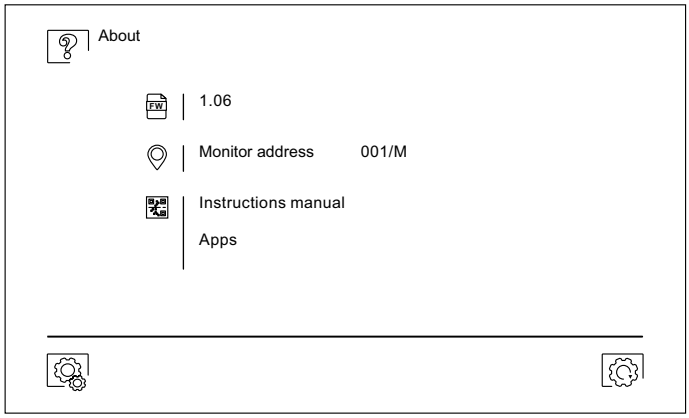


The 'About' screen provides information about the device, such as the monitor firmware version and its address.

Press 'Instructions manual' or 'Apps' to display the QR code that will take you to the updated downloads of this instruction manual and the G2Call/ G2Call+ app for your mobile phone. (*)**Note:** Depending on the version of your monitor, see the previous section .

Use icon to restore factory settings, such as language, melodies, etc. Wi-Fi parameters will not be modified.

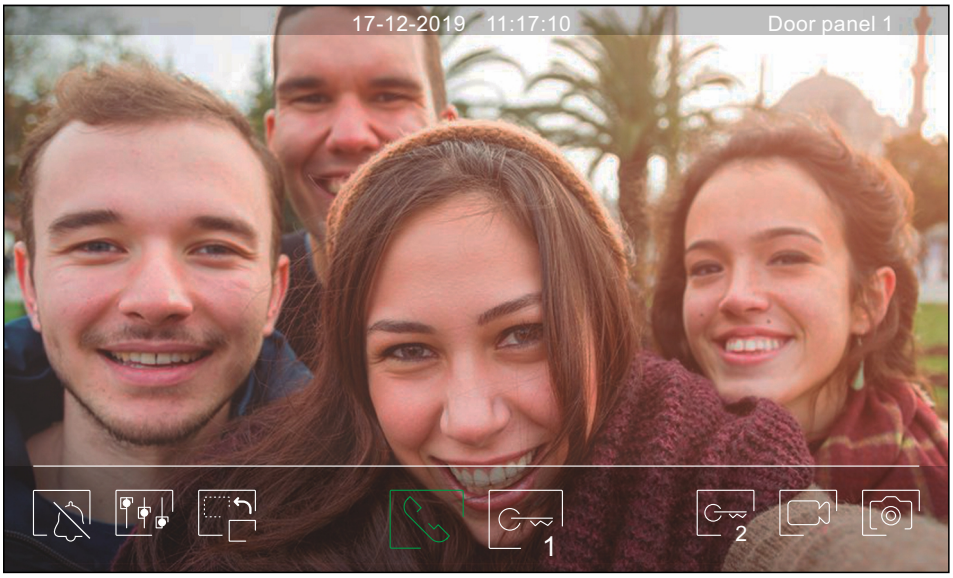
Use icon to return to the settings menu.



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

ART 7W/G2+ MONITOR

Door panel call screen



This screen is displayed when receiving a call or pressing icon of the main menu. During a call, icon displayed on the screen will blink green (during the call process). In the top centre of the screen, the date and time are shown and, on the right, the source of the image is displayed. The call has a duration of 45 seconds.

The ringtone ends.

Access the image and communication settings menu.

Change the source of the image as long as the system has more than one door panel or has an external camera connected and display has been activated (see p. 32). It is possible to make the change during display, call and communication processes.

Start or end audio communication with the door panel displayed. Communication has a maximum duration of 90 seconds. Once communication has ended, the screen will turn off.

Activate the lock release (or device connected to the CV output of the door panel) for 3 seconds (factory setting, programmable by the installer; see pp. 31-33). During activation, indicator will illuminate.

Activate the lock release (or device connected to the relay output of the door panel) for 3 seconds (factory setting, programmable by the installer; see pp. 31-33). During activation, indicator will illuminate.

A few seconds after receiving a call, it automatically takes a photograph. In the top left of the screen, icon is displayed and indicator will illuminate.

By pressing, it takes a photograph. (See p. 14 to set the recording mode).

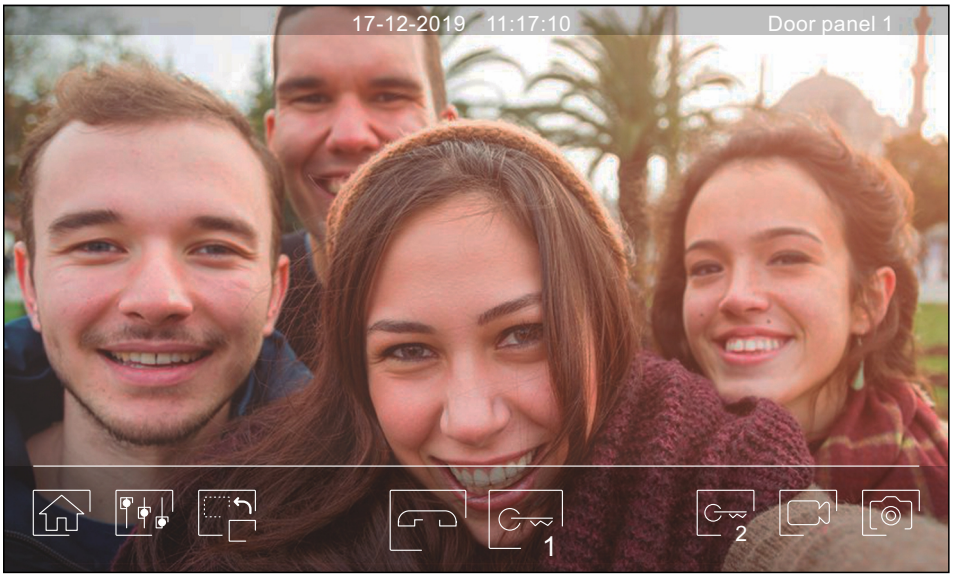
if you have a MicroSD card inserted, it starts recording a 15-second video within a few seconds of receiving the call. Otherwise, it will take a photograph. In the top left of the screen, icon is displayed and indicator will illuminate.

By pressing, it records a video. (See p. 14 to set the recording mode).

Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

ART 7W/G2+ MONITOR

Communication screen



This screen is displayed during a communication process. In the top centre of the screen, the date and time are shown and, on the right, the source of the image is displayed.

End audio communication with the door panel displayed and then show the main menu.

Access the image and communication settings menu.

Change the source of the image as long as the system has more than one door panel or has an external camera connected and display has been activated (see p. 32). It is possible to make the change during display, call and communication processes.

Start or end audio communication with the door panel displayed. Communication has a maximum duration of 90 seconds. Once communication has ended, the screen will turn off.

Activate the lock release (or device connected to the CV output of the door panel) for 3 seconds (factory setting, programmable by the installer; see pp. 31-33). During activation, indicator will illuminate.

Activate the lock release (or device connected to the relay output of the door panel) for 3 seconds (factory setting, programmable by the installer; see pp. 31-33). During activation, indicator will illuminate.

A few seconds after receiving a call, it automatically takes a photograph. In the top left of the screen, icon is displayed and indicator will illuminate.

By pressing, it takes a photograph. (See p. 14 to set the recording mode).

If you have a MicroSD card inserted, it starts recording a 15-second video within a few seconds of receiving the call. Otherwise, it will take a photograph. In the top left of the screen, icon is displayed and indicator will illuminate.

By pressing, it records a video. (See p. 14 to set the recording mode).

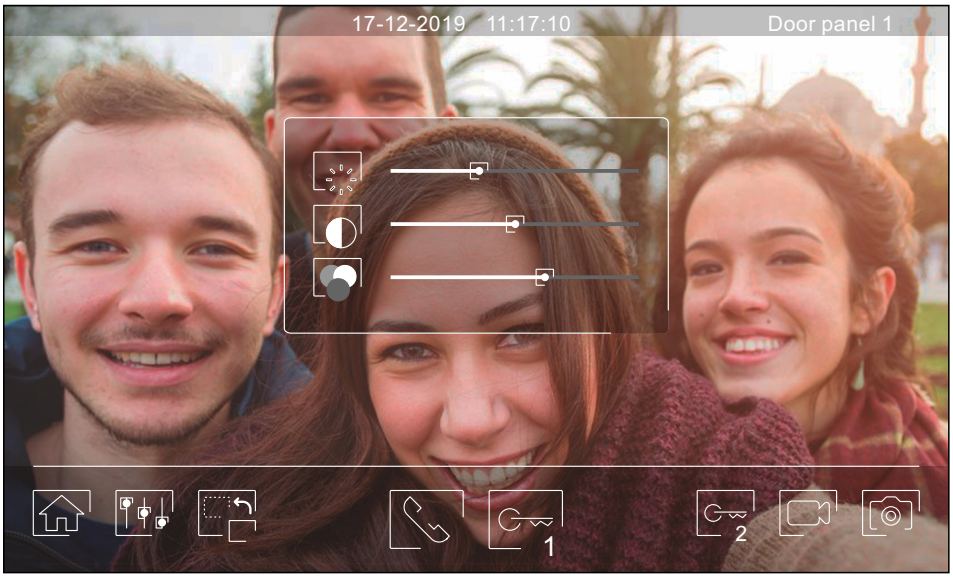
Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

ART 7W/G2+ MONITOR

Image and communication settings

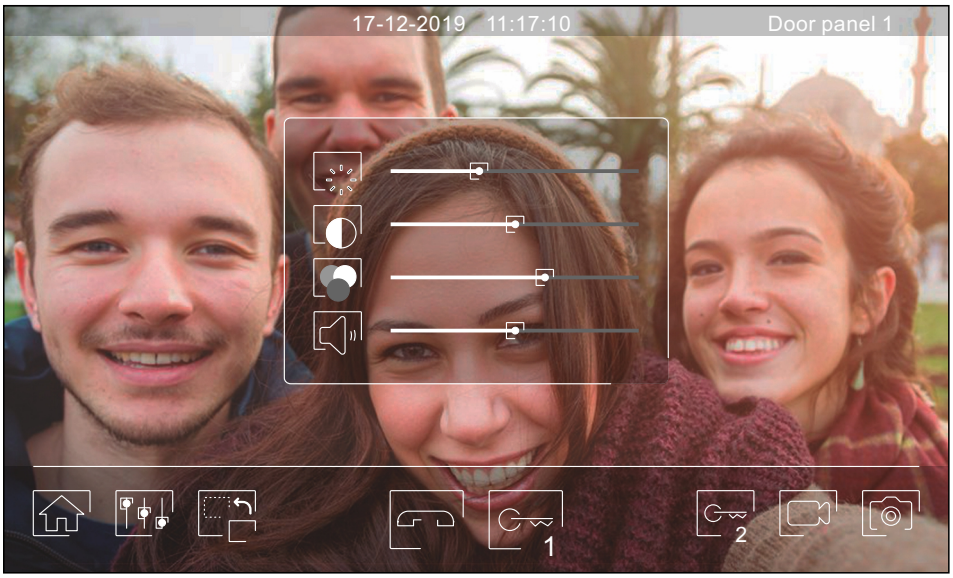
During the display or call process, it is possible to adjust the image parameters (brightness, contrast and colour).

Press icon and use the slider bars to adjust the settings. By pressing the icon again, the settings window will disappear.



During the communication process, it is possible to adjust the image parameters (brightness, contrast and colour), and the audio level of the monitor speaker.

Press icon and use the slider bars to adjust the settings. By pressing icon again, the settings window will disappear.



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

ART 7W/G2+ MONITOR

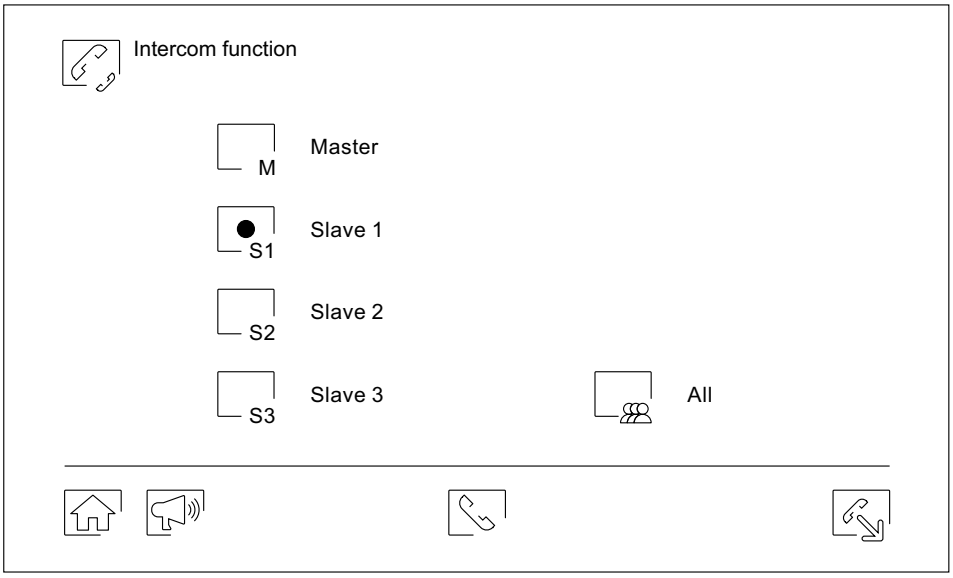
Intercom menu

From this menu, you can contact other monitors in your apartment (internal intercom) or building (external intercom). To do so, your monitor and the monitor called must have the intercom function activated from the 'Do not disturb' menu (see p. 14).

Use icons and to switch between internal and external intercom screens.

If during an intercom process with another monitor a call is received from the door panel, the intercom process will be terminated, and the door panel call will be received on the corresponding monitor.

Use icon to return to the main menu.

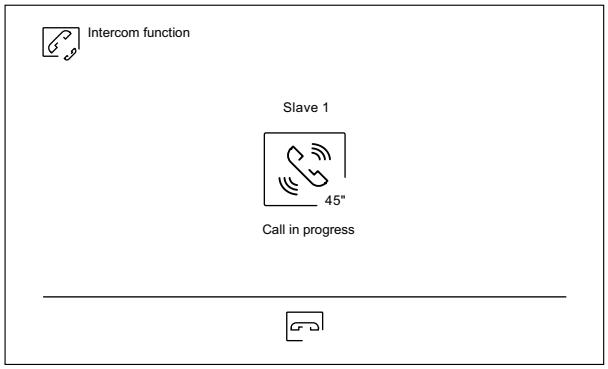


Internal intercom.

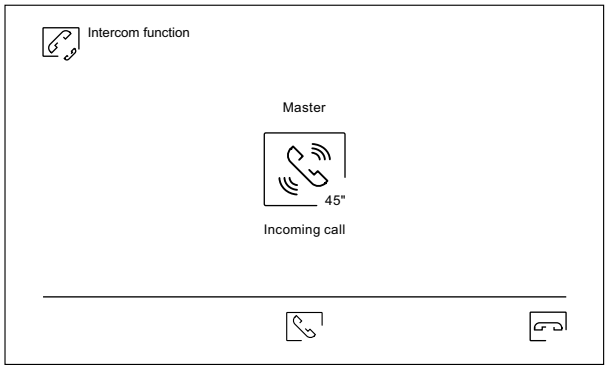
Select the monitor you wish to communicate with. The monitor that appears selected by default is your own. You will find information about the address of the monitor in the 'About' menu (see p. 15). If you select the 'All' option, the rest of the monitors will receive the call, with communication established with the first one that answers.

To make a call, press icon , and the 'Call in progress' message will appear on the screen. The monitor(s) that receives the call will display the 'Incoming call' message, followed by the monitor making the call. To cancel the call, press icon , and the 'Communication completed' message will appear. To establish communication, press icon ; communication will end after 90 seconds or when icon is pressed.

Monitor making the call



Monitor receiving the call

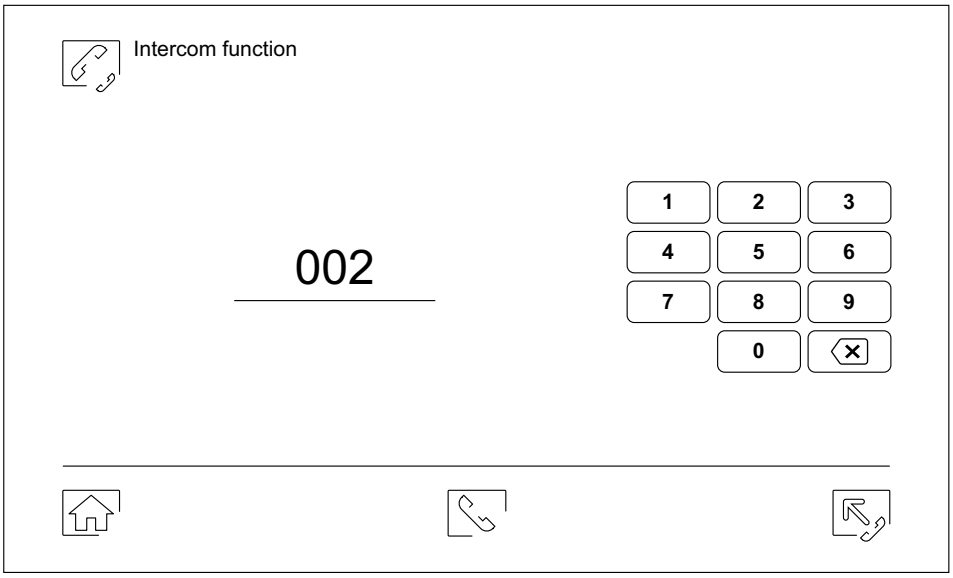


To perform an internal broadcast process, select the monitor to call and then press icon ; it is now possible to talk, listen, and raise and lower the communication volume from each of these 2 monitors. Communication will last for 90 seconds or until icon is pressed.

Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

ART 7W/G2+ MONITOR

Intercom menu

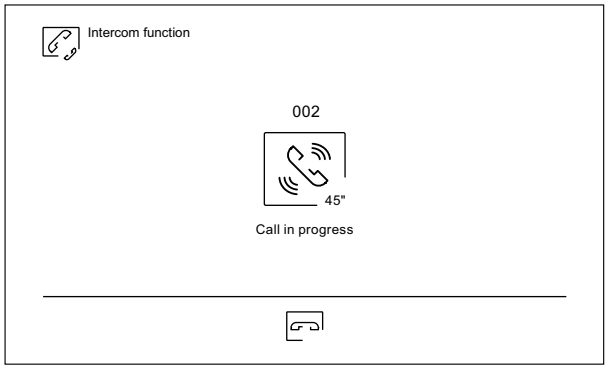


External intercom.

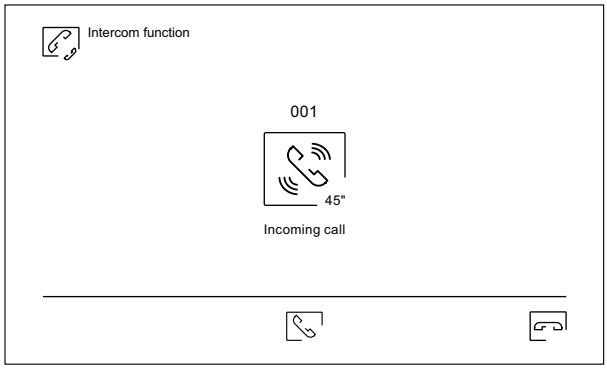
Enter the code of the apartment with which you wish to communicate using the keypad.

To make a call, press icon , and the 'Call in progress' message will appear on the screen. The master monitor of the apartment called will display the 'Incoming call' message, followed by the monitor making the call. To cancel the call, press icon , and the 'Communication completed' message will appear. To establish communication, press icon ; communication will end after 90 seconds or when icon is pressed.

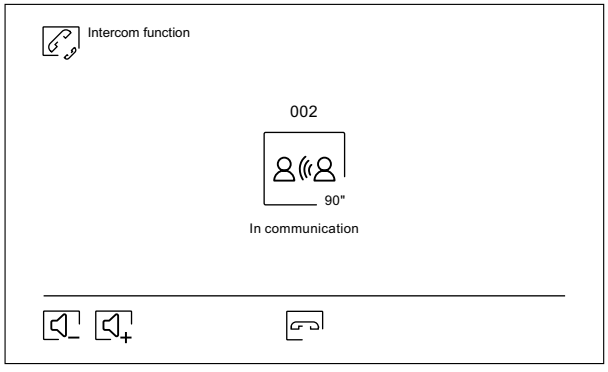
Apartment monitor 001 makes the call



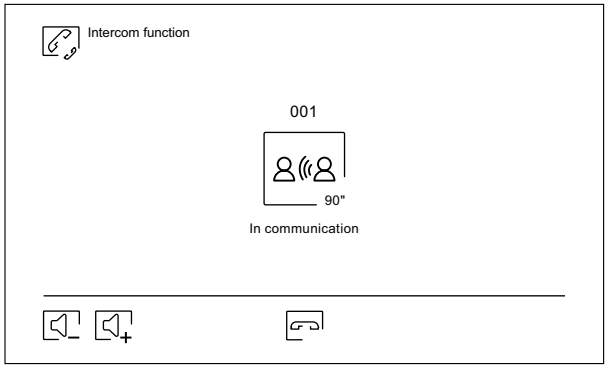
Apartment monitor 002 receives the call



Apartment monitor 001 in communication



Apartment monitor 002 in communication



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

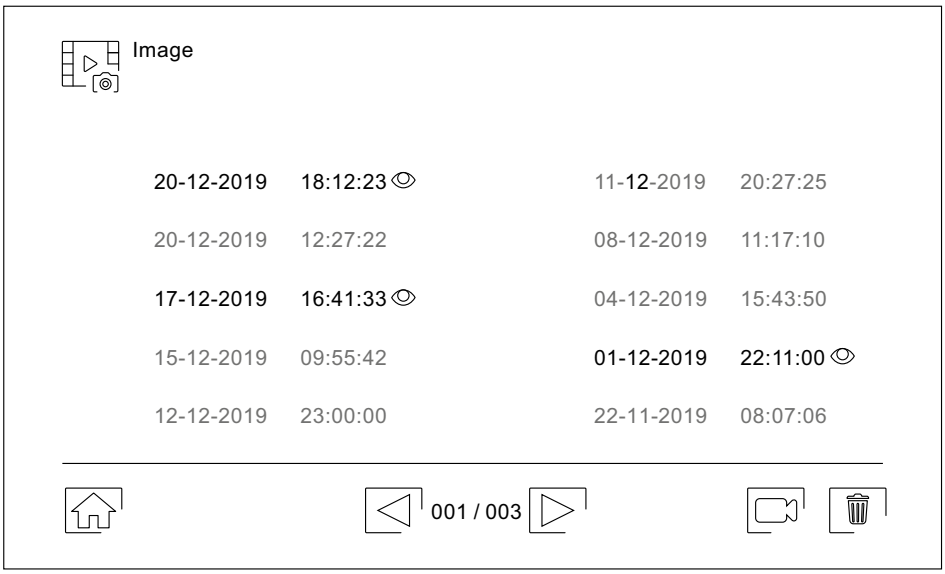
ART 7W/G2+ MONITOR

Recordings menu

This menu displays the list of images saved in the monitor or on the SD card if inserted. Press icon to access the video recordings saved on the SD card and icon to return to the images list. There are 10 recordings per page and the number of pages is shown at the bottom of the screen. Use the scroll arrows to access the rest of the pages.

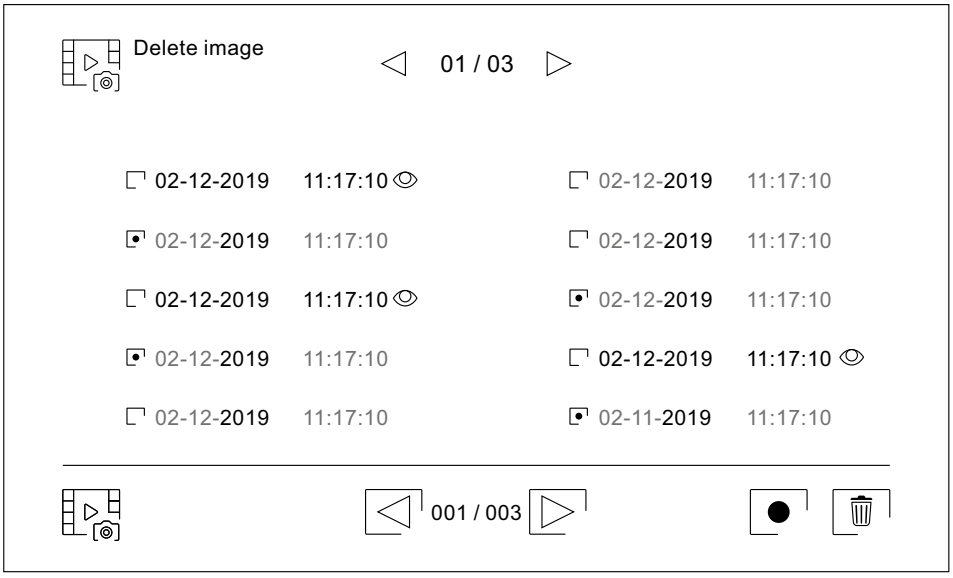
Symbol indicates that the recording has not been displayed.

Use icon to return to the main menu.



To delete one or more recordings from the list, use icon . Press on the recordings you wish to delete or use icon to select all of them. Confirm your selection using icon : a warning screen will request your final confirmation.

Use icon to return to the image recordings list.



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

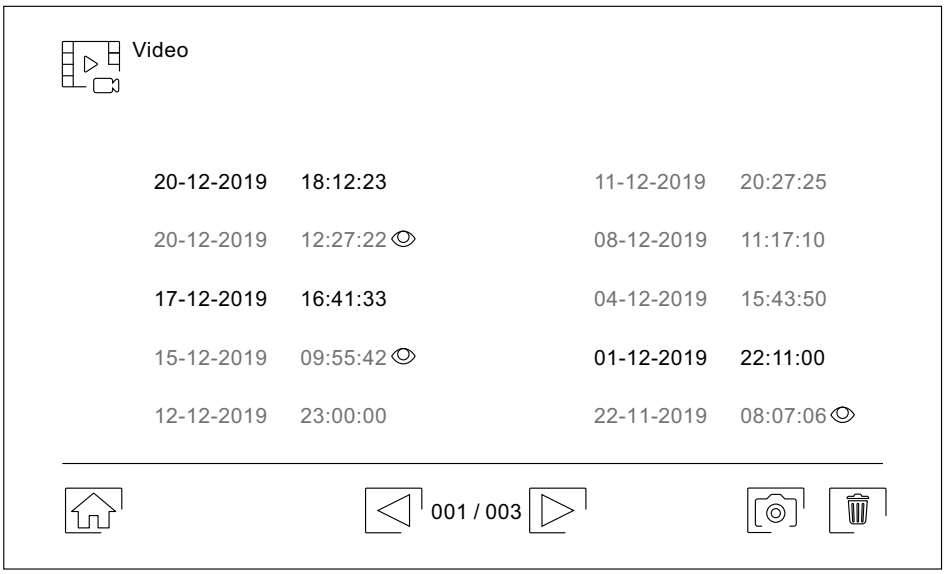
Continued overleaf

Continued from previous page.

ART 7W/G2+ MONITOR

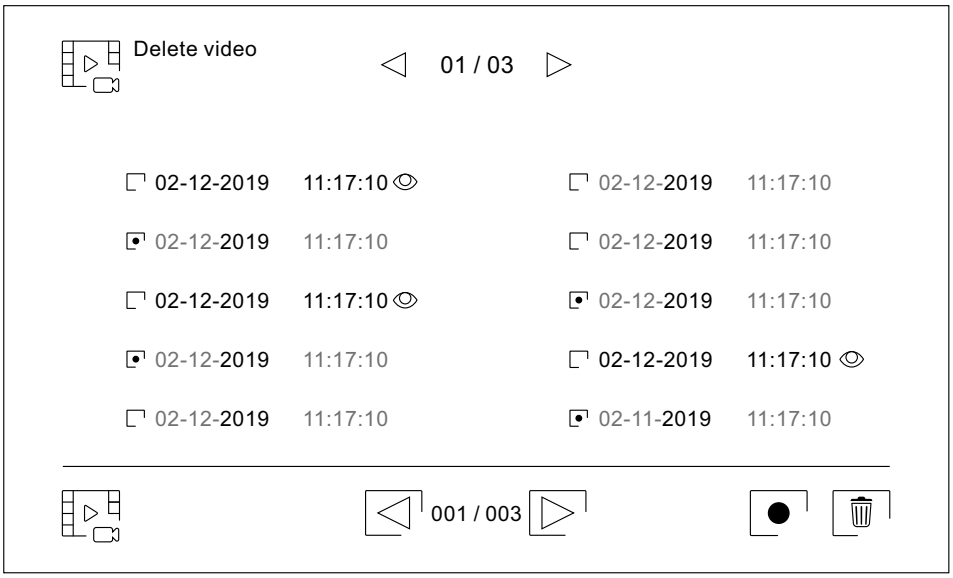
Recordings menu

Press icon to access the video recordings.



To delete one or more recordings from the list, use icon . Press on the recordings you wish to delete or use icon to select all of them. Confirm your selection using icon : a warning screen will request your final confirmation.

Use icon to return to the video recordings list.



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

Continued overleaf

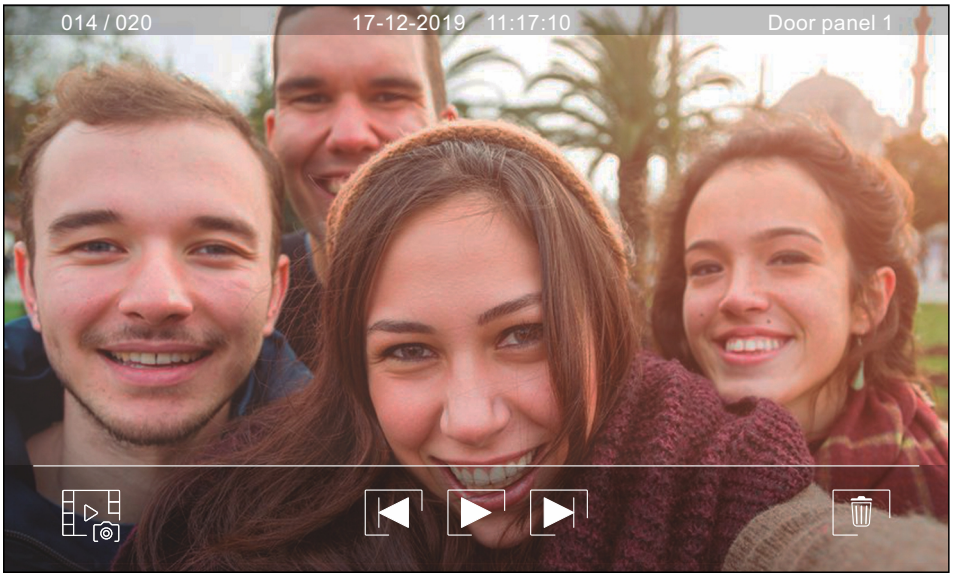
Continued from previous page.

ART 7W/G2+ MONITOR

Recordings menu

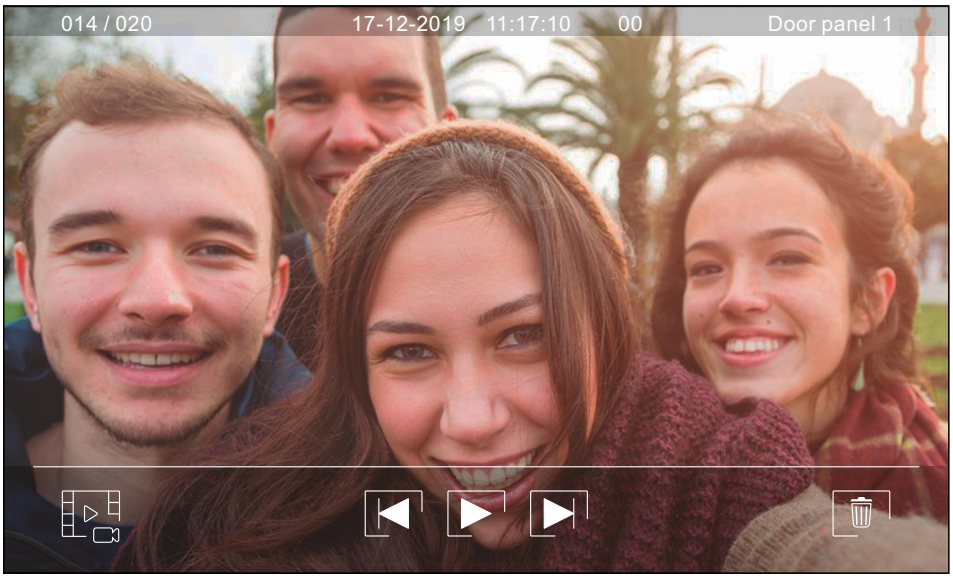
To view an image recording, select it in the list. The recording will be displayed full screen. Use the scroll arrows to display the next ▶| or previous |◀ recording. From this screen, you can also delete the recordings individually, which always requires your confirmation. Use icon ▶ to play the images in sequence; press icon ■ to stop image playback.

Use icon to return to the image recordings list.



To view a video recording, select it in the list. The recording will be displayed full screen. Use the scroll arrows to display the next ▶| or previous |◀ recording. From this screen, you can also delete the recordings individually, which always requires your confirmation. Use icon ▶ to start playback of the video selected; press icon ■ to stop video playback.

Use icon to return to the recordings list.

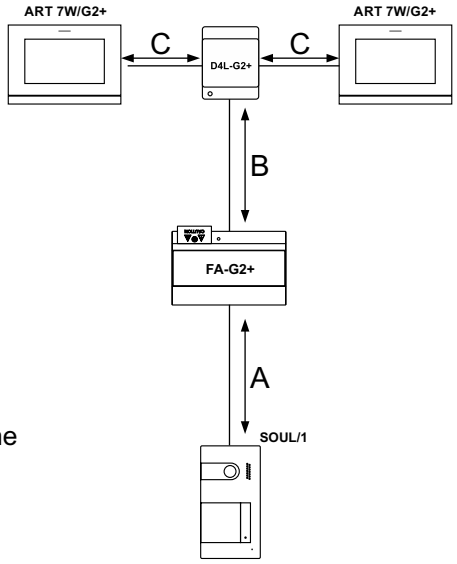


Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

WIRING DIAGRAMS

Cross sections and distances

- The maximum number of monitors per apartment is 4.
- The maximum number of monitors in daisy chain connected is 12.



Type of cable	A	B	C
2 x 0.75mm² (AWG18)	30 m	30 m	15 m
CAT5 (*)	60 m	60 m	30 m
RAP-GTWIN/HF	60 m	60 m	30 m

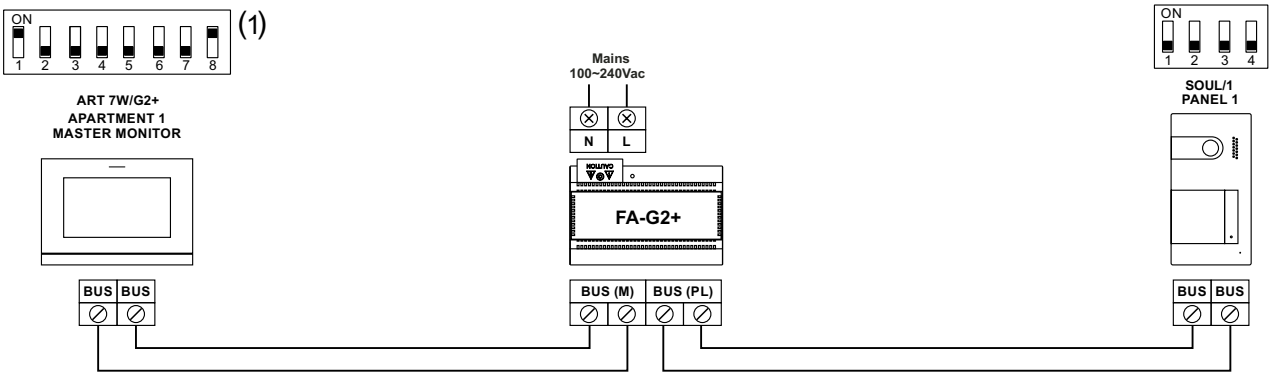
A. Distance between power supply and furthest door panel.

B. Distance between power supply and furthest monitor (or distributor).

C. Distance between a distributor and the furthest monitor connected to one of its outputs.

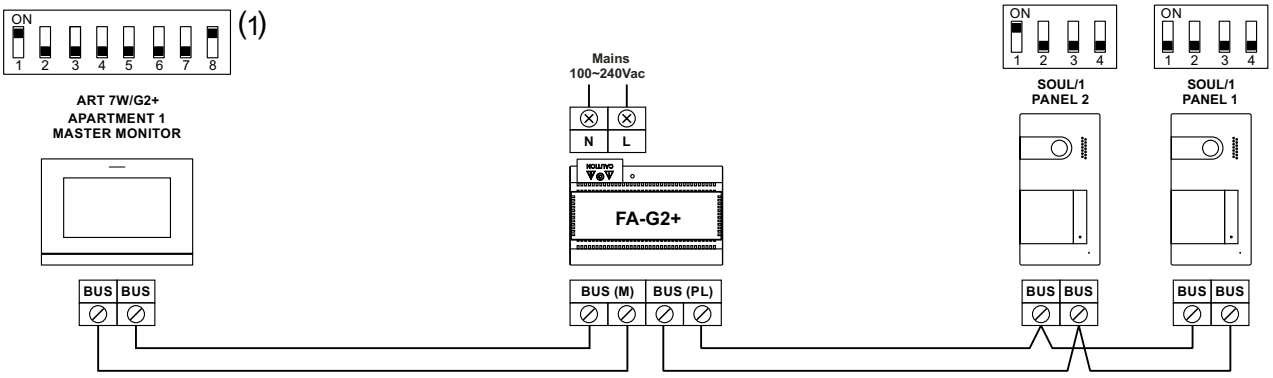
(*). Use two twisted pairs for each bus line

One apartment with one access panel and one monitor



(1) Note: The monitor is set at the factory as **master** monitor.

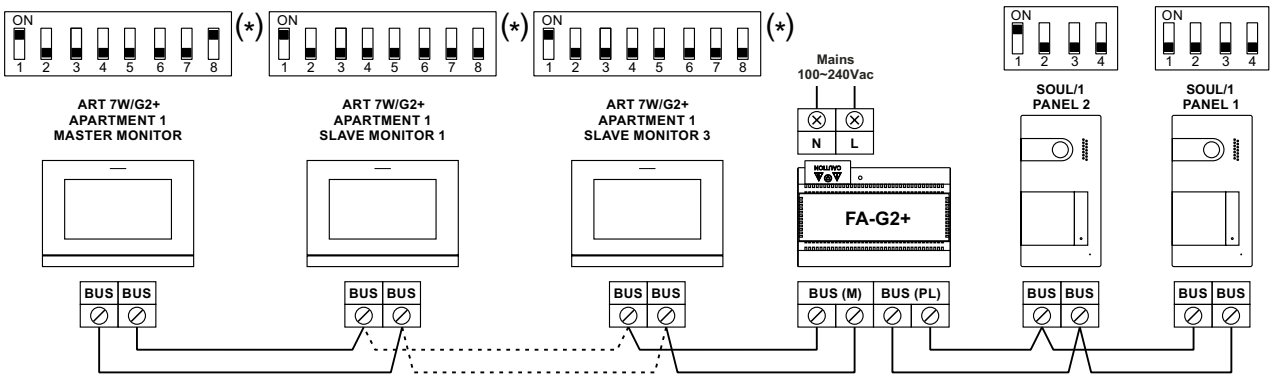
One apartment with two access panels and one monitor



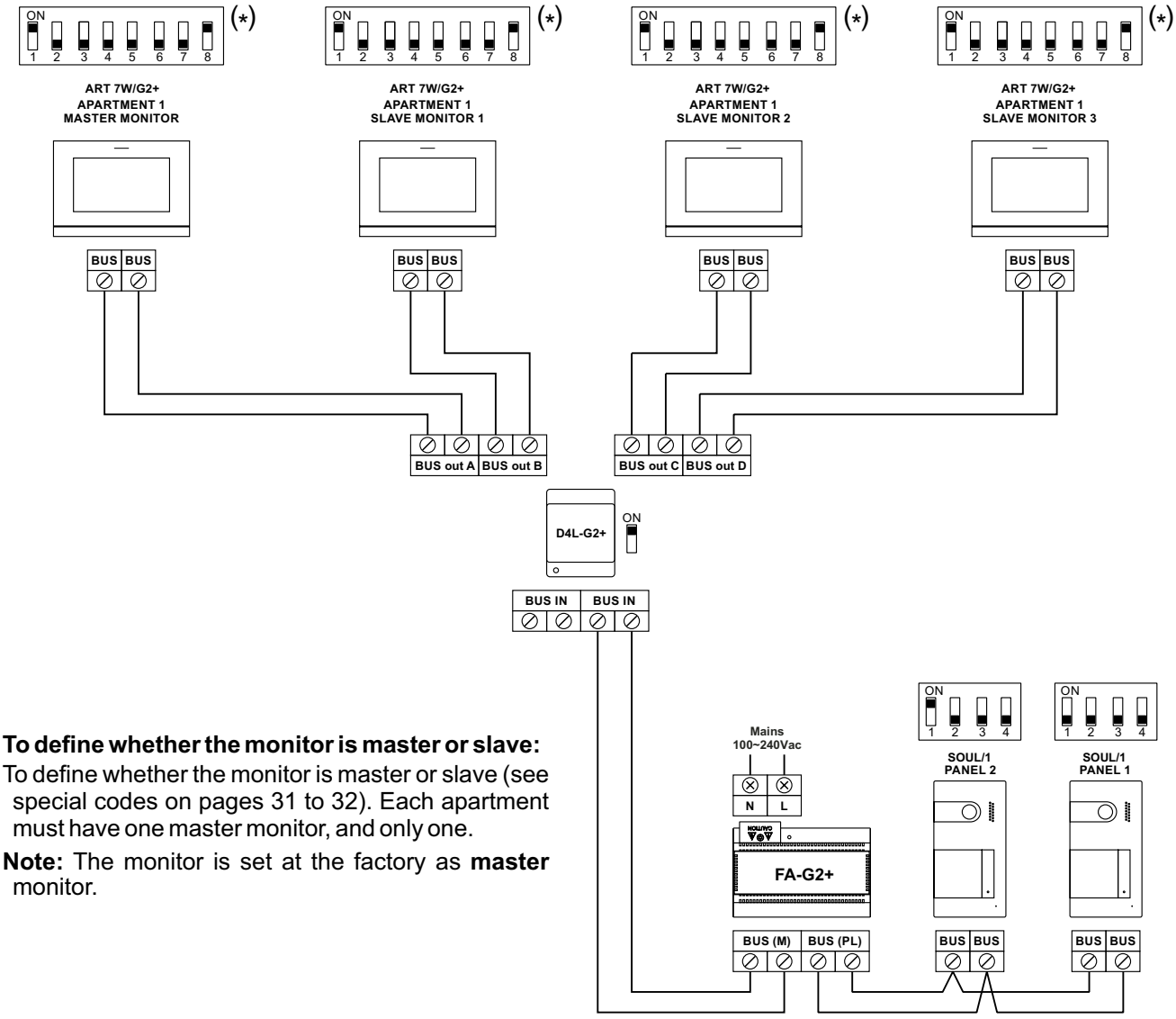
(1) Note: The monitor is set at the factory as **master** monitor.

WIRING DIAGRAMS

One apartment with two access panels and up to four monitors in daisy chain connected



One apartment with two access panels and up to four monitors in distribution



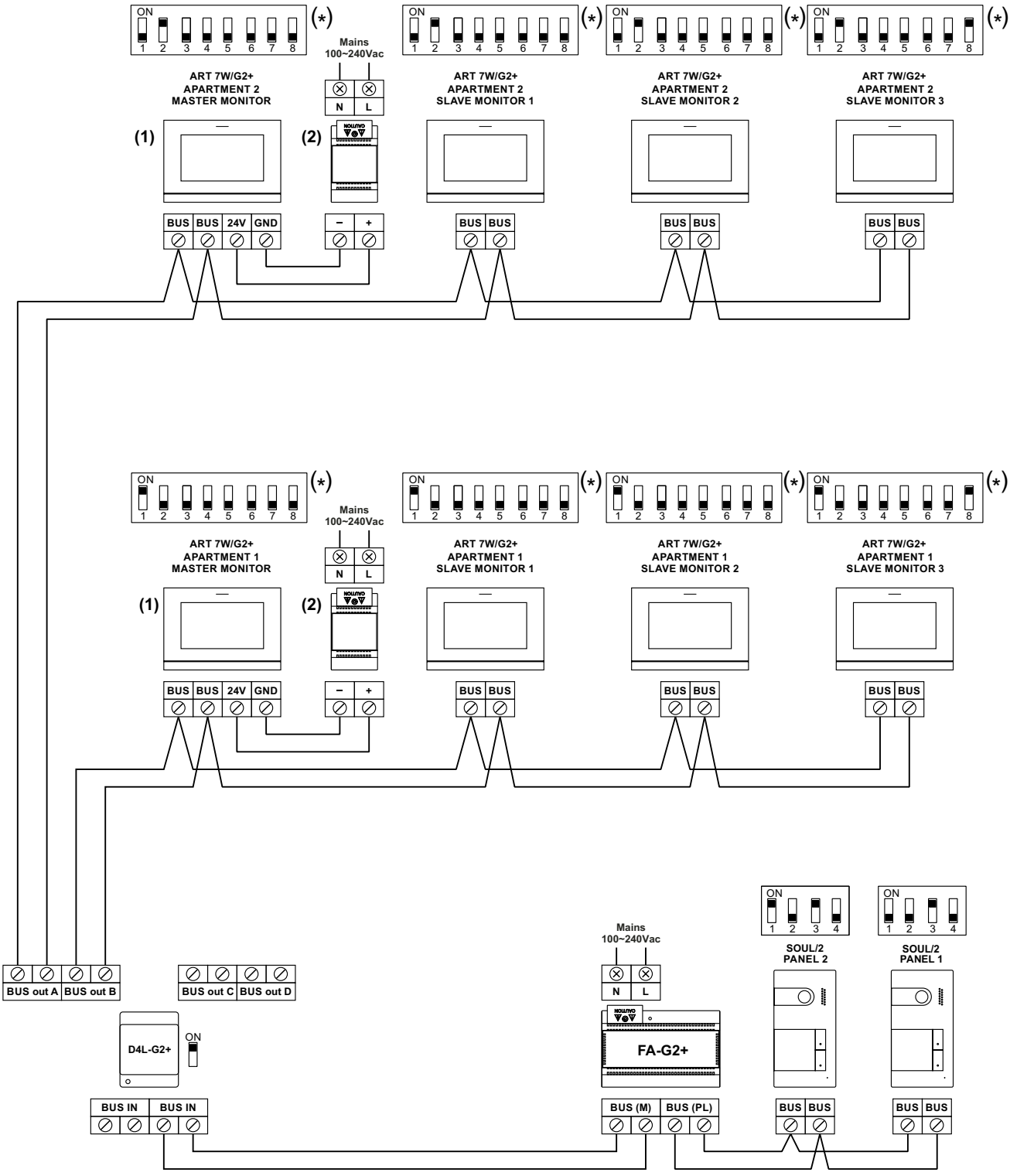
(*) **To define whether the monitor is master or slave:**

To define whether the monitor is master or slave (see special codes on pages 31 to 32). Each apartment must have one master monitor, and only one.

Note: The monitor is set at the factory as **master** monitor.

WIRING DIAGRAMS

Two apartments with two access panels and up to four monitors in daisy chain connected



(*) To define whether the monitor is master or slave:
To define whether the monitor is master or slave (see special codes pages 31 to 32). Each apartment must have one master monitor, and only one.

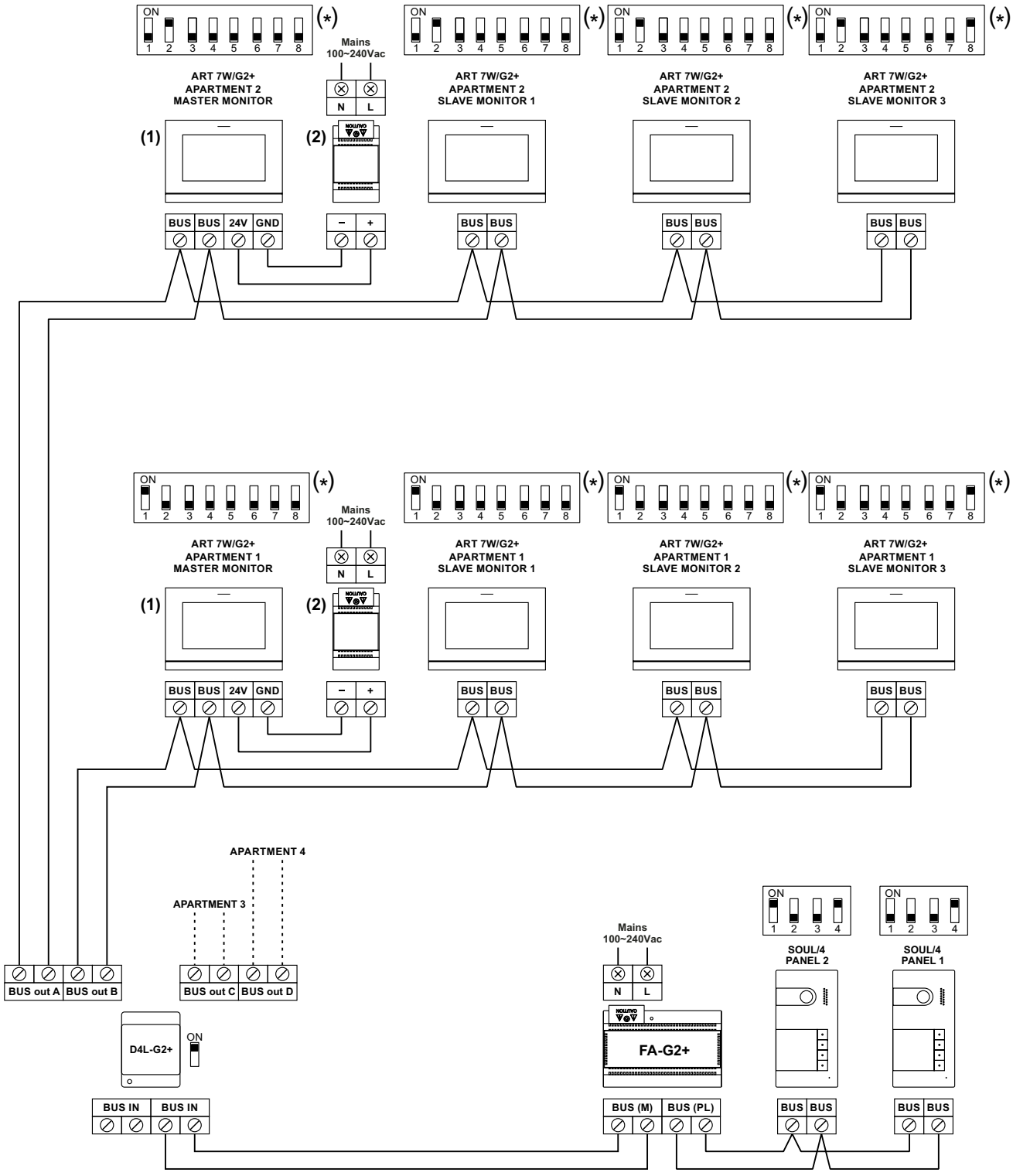
Note: The monitor is set at the factory as **master** monitor.

(1) Important: Only the master monitor can activate Wi-Fi transmission.

(2) FA-ART 7W power supply.

WIRING DIAGRAMS

Four apartments with two access panels and up to four monitors in daisy chain connected



(*) To define whether the monitor is master or slave:
To define whether the monitor is master or slave (see special codes pages 31 to 32). Each apartment must have one master monitor, and only one.

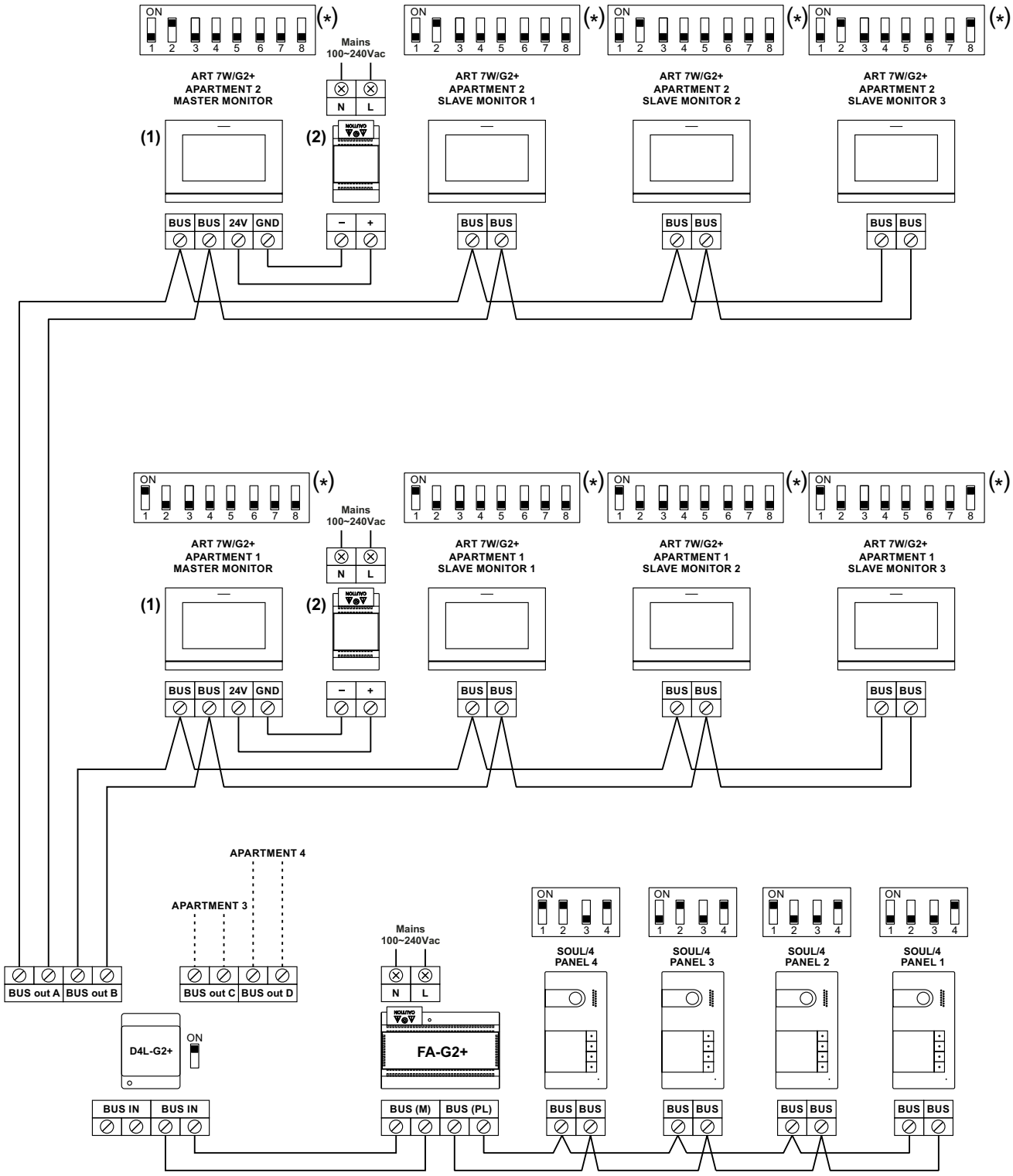
Note: The monitor is set at the factory as **master** monitor.

(1) Important: Only the master monitor can activate Wi-Fi transmission.

(2) FA-ART 7W power supply.

WIRING DIAGRAMS

Four apartments with four access panels and up to four monitors in daisy chain connected



(*) To define whether the monitor is master or slave:
To define whether the monitor is master or slave (see special codes pages 31 to 32). Each apartment must have one master monitor, and only one.

Note: The monitor is set at the factory as **master** monitor.

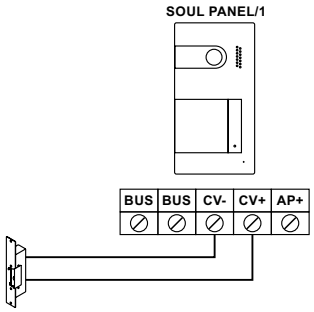
(1) Important: Only the master monitor can activate Wi-Fi transmission.

(2) FA-ART 7W power supply.

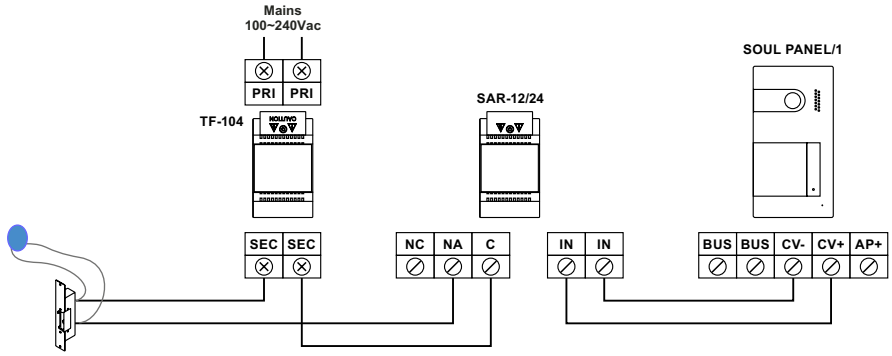
WIRING DIAGRAMS

Connection of a lock release

The drawing shows the connection of a 12Vdc lock release, with a maximum consumption of 270mA. The use of Golmar CV-14/DC, CV-24/DC, CV-14P/UNI or CV-24P/UNI models is recommended. Activation is carried out through icon 1. The activation time is 3 seconds with the possibility of setting it to between 0.5 and 10 seconds (see pp. 31-33).

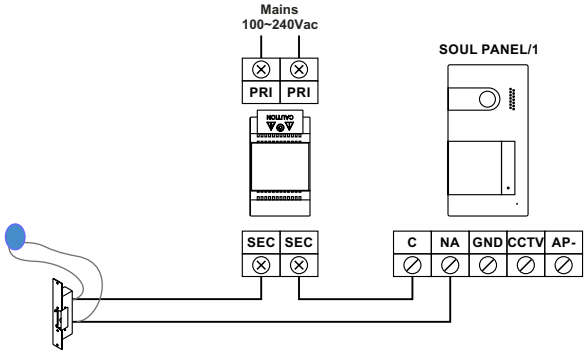


If the lock release to be used is alternating current, use a relay and transformer suitable for the consumption, as well as the varistor supplied. The example shows a Golmar SAR-12/24 relay and a TF-104 transformer (12Vac/1.5A).



Connection of an auxiliary device at the relay output

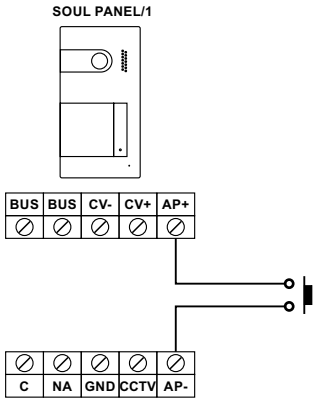
The drawing, by way of example, shows the connection of a second AC lock release. The relay can switch 6A/24V loads. Activation is carried out through icon 2. The activation time is 3 seconds with the possibility of setting it to between 0.5 and 10 seconds (see pp. 31-33).



WIRING DIAGRAMS

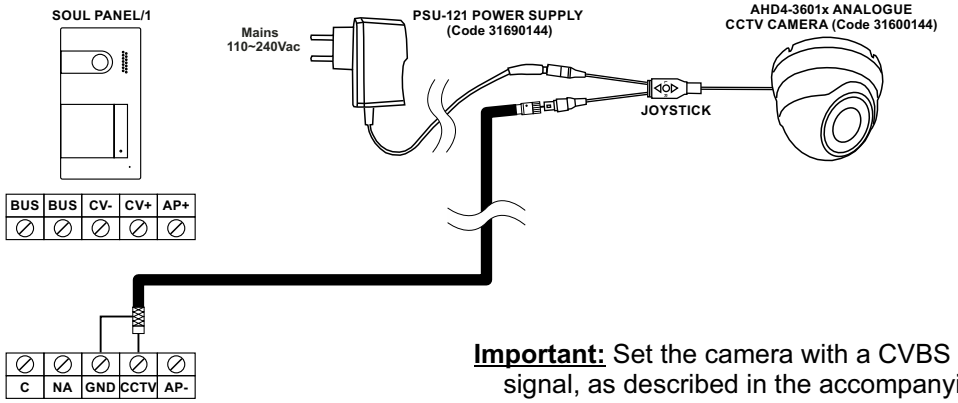
Connection of an output button

The output button allows remote activation of the lock release connected between the CV- and CV+ terminals (by default) or the relay output (see pp. 31-33). The delay time in carrying out the activation is 2 seconds, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 31-33).



Connection of an external camera

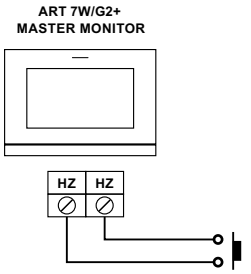
It is possible to connect a Golmar AHD4-3601x analogue CCTV camera to each of the door panels, which can be viewed (see pp. 31-33) from the monitor. The camera needs to have a local PSU-121 power supply.



Important: Set the camera with a CVBS analogue signal, as described in the accompanying AHD4-3601x camera manual.

Connection for an apartment door button

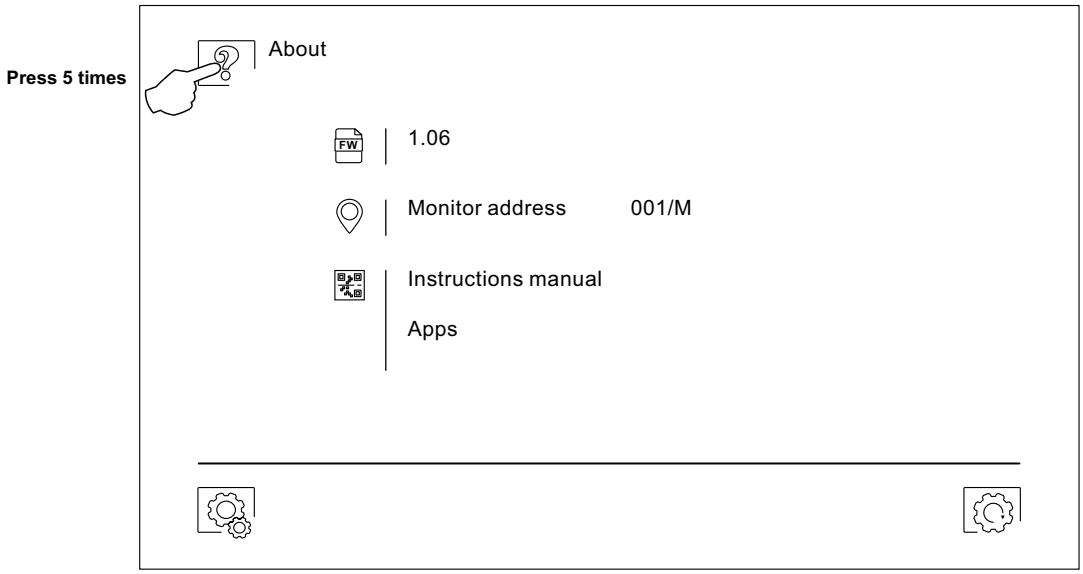
Only connect the apartment door button to the master monitor of the apartment that will be receiving the call. The signal received is then transmitted to the slave monitors in the same apartment.



SPECIAL CODES

The enabling of some functions, as well as the modification of some factory parameters, can be carried out by entering special codes. To do so, the installer menu must be accessed from the monitor. Go to the 'About' screen in the settings menu (p. 15) and press five times on icon in the top left of the screen to bring up a keyboard to enter the codes.

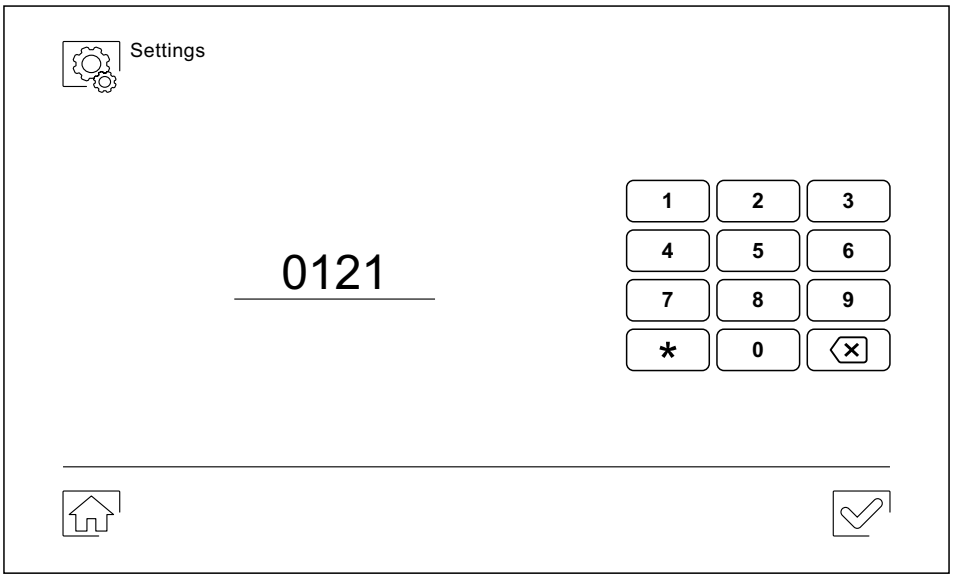
'About' screen



The 'special codes' screen will then be displayed. The codes must be entered one by one and validated using icon . If the code entered is valid, the 'OK' message will be displayed; if not, the 'ERROR' message will be displayed.

Use icon to return to the 'About' screen.

'Special codes' screen



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

Continued overleaf

Continued from previous page.

SPECIAL CODES

Video sources available on a monitor (configure only on the master monitor).

	Visible	Not visible	Factory setting
Door panel 1	0111	0110	0111
Door panel 2	0121	0120	0120
(*) Door panel 3	0131	0130	0130
(*) Door panel 4	0151	0150	0150
Camera 1	0141	0140	0140
Camera 2	0181	0180	0180
(*) Camera 3	0171	0170	0170
(*) Camera 4	0191	0190	0190

(*) Important: SOUL/1, SOUL/2 and SOUL/4 door panels with version V04 and later.

To define whether the monitor is master, slave 1, slave 2 or slave 3:

Master	Slave 1	Slave 2	Slave 3	Factory setting
0550	0551	0552	0553	0550 (master)

Automatic door opening upon reception of a call on a monitor (configure only on the master monitor).

Activated	Deactivated	Factory setting
0441	0440	0440

Activate/deactivate the hidden start/stop communication and door opening button on a monitor (hidden buttons located above raised dots ● /●● for the visually impaired).

Activate	Deactivate	Factory setting
0461	0460	0460(deactivated)

Activate/deactivate the ('power indicator' notification icon) on a monitor.

Activate	Deactivate	Factory setting
0471	0470	0471 (activated)

Do not show the image on the monitor when receiving a call from the door panel when the monitor is in 'Do not disturb' mode.

Do not show	Show	Factory setting
0481	0480	0480 (show image)

Activation times of the outputs (Door panel 1). (Configure only on the master monitor).

		Factory setting
Lock release	From 0200 (0.5s) to 0219 (10s)	0205 (3s)
Relay	From 0300 (0.5s) to 0319 (10s)	0305 (3s)

Configuration of the remote activation button (Door panel 1). (Configure only on the master monitor).

		Factory setting
Delay	From 0400 (0.5s) to 0419 (10s)	0403 (2s)
Output	0430 (lock release) or 0431 (relay)	0430 (lock release)

Activation times of the outputs (Door panel 2). (Configure only on the master monitor).

		Factory setting
Lock release	From 1200 (0.5s) to 1219 (10s)	1205 (3s)
Relay	From 1300 (0.5s) to 1319 (10s)	1305 (3s)

Configuration of the remote activation button (Door panel 2). (Configure only on the master monitor).

		Factory setting
Delay	From 1400 (0.5s) to 1419 (10s)	1403 (2s)
Output	1430 (lock release) or 1431 (relay)	1430 (lock release)

Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

Continued overleaf

Continued from previous page.

SPECIAL CODES

(*) **Activation times of the outputs (Door panel 3). (Configure only on the master monitor).**

		Factory setting
Lock release	From 2200 (0.5s) to 2219 (10s)	2205 (3s)
Relay	From 2300 (0.5s) to 2319 (10s)	2305 (3s)

(*) **Configuration of the remote activation button (Door panel 3). (Configure only on the master monitor).**

		Factory setting
Delay	From 2400 (0.5s) to 2419 (10s)	2403 (2s)
Output	2430 (lock release) or 2431 (relay)	2430 (lock release)

(*) **Activation times of the outputs (Door panel 4). (Configure only on the master monitor).**

		Factory setting
Lock release	From 3200 (0.5s) to 3219 (10s)	3205 (3s)
Relay	From 3300 (0.5s) to 3319 (10s)	3305 (3s)

(*) **Configuration of the remote activation button (Door panel 4). (Configure only on the master monitor).**

		Factory setting
Delay	From 3400 (0.5s) to 3419 (10s)	3403 (2s)
Output	3430 (lock release) or 3431 (relay)	3430 (lock release)

LED lights for night viewing (Door panel 1) during a call or communication process. (Configure only on the master monitor).

Automatic	Always ON	Always OFF	Factory setting
0450	0451	0452	0450 (automatic)

LED lights for night viewing (Door panel 2) during a call or communication process. (Configure only on the master monitor).

Automatic	Always ON	Always OFF	Factory setting
1450	1451	1452	1450 (automatic)

(*) **LED lights for night viewing (Door panel 3) during a call or communication process. (Configure only on the master monitor).**

Automatic	Always ON	Always OFF	Factory setting
2450	2451	2452	2450 (automatic)

(*) **LED lights for night viewing (Door panel 4) during a call or communication process. (Configure only on the master monitor).**

Automatic	Always ON	Always OFF	Factory setting
3450	3451	3452	3450 (automatic)

Activate/deactivate audible confirmation (Door panel 1). (Configure only on the master monitor).

Activated	Deactivated	Factory setting
1701	1700	1701

Activate/deactivate audible confirmation (Door panel 2). (Configure only on the master monitor).

Activated	Deactivated	Factory setting
2701	2700	2701

(*) **Activate/deactivate audible confirmation (Door panel 3). (Configure only on the master monitor).**

Activated	Deactivated	Factory setting
3701	3700	3701

(*) **Activate/deactivate audible confirmation (Door panel 4). (Configure only on the master monitor).**

Activated	Deactivated	Factory setting
4701	4700	4701

To define the light up duration time from 1 to 99 seconds (SAR-G2+ Relay). (Configure only on the master monitor).

	Factory setting
From 1801 (1s) to 1899 (99s)	1803 (3s)

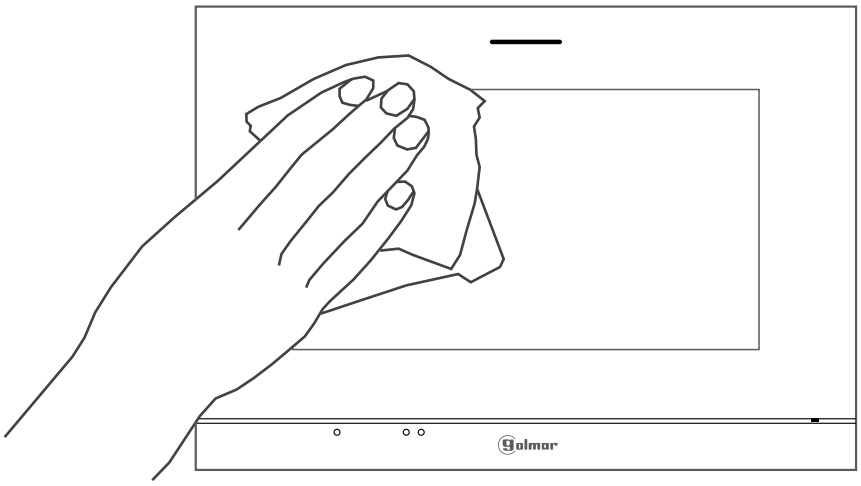
To define the light up delay time from 0 to 99 seconds (SAR-G2+ Relay). (Configure only on the master monitor).

	Factory setting
From 1900 (0s) to 1999 (99s)	1900 (0s)

Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

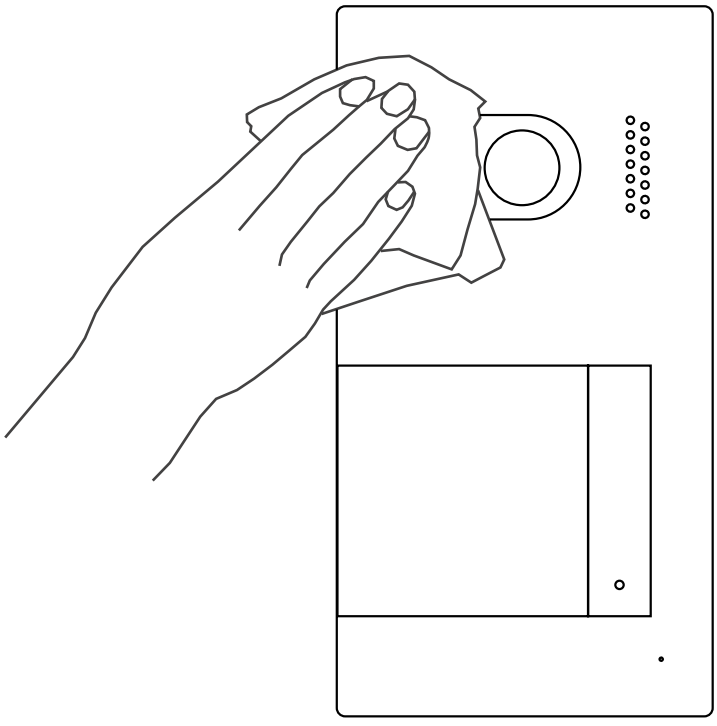
CLEANING THE MONITOR

- Do not use solvents, detergents or cleaning products that contain acids, vinegar or abrasive components.
- Use a soft damp cloth (not wet) that sheds no fibres.
- Always wipe the monitor in the same direction, from top to bottom.
- After cleaning the monitor, remove any moisture with a soft dry cloth that sheds no fibres.



CLEANING THE DOOR PANEL

- Do not use solvents, detergents or cleaning products that contain acids, vinegar or abrasive components.
- Use a soft damp cloth (not wet) that sheds no fibres.
- Always wipe the door panel in the same direction, from top to bottom.
- After cleaning the door panel, remove any moisture with a soft dry cloth that sheds no fibres.



NOTES

COMPLIANCE:

Este producto es conforme con las disposiciones de las Directivas Europeas aplicables respecto a Equipos de Radio ***2014/53/CEE***, a la Seguridad Eléctrica ***2014/35/CEE*** y la Compatibilidad Electromagnética ***2014/30/CEE.***

This product meets the essentials requirements of applicable European Directives regarding Radio Equipment ***2014/53/ECC****, Electrical Safety* ***2014/35/ECC*** *and Electromagnetic Compatibility* ***2014/30/ECC****.*

NOTA: El funcionamiento de este equipo está sujeto a las siguientes condiciones:
(1) Este dispositivo no puede provocar interferencias dañinas, y (2) debe aceptar cualquier interferencia recibida, incluyendo las que pueden provocar un funcionamiento no deseado.

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.

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