

see-U

by **FERMAX**

SEE-U WIFI KIT 7" 1L

ADVANCED INSTALLATION MANUAL

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Any modification will be reflected in subsequent editions of this document.

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1. DESCRIPTION

PRODUCT AND CONTENT



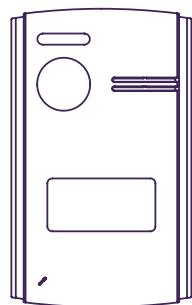
REF: F01394

7" Monitor



REF: F01395

Panel



REF: F01390

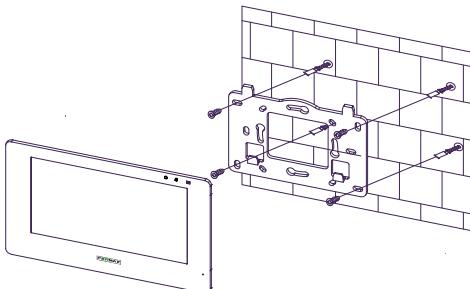
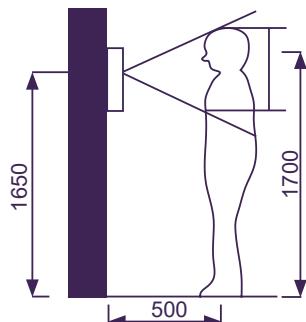
Power Adapter





2. INSTALLATION

2.1. INSTALLATION OF THE MONITOR



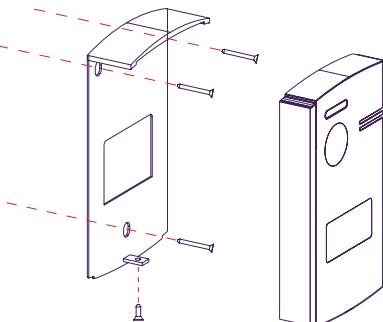
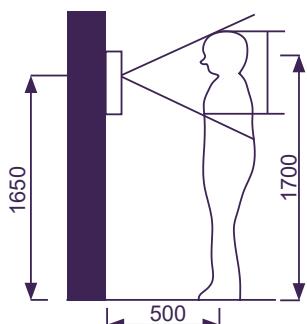
Location of the monitor installation

The standard installation height of the monitor is approximately 1700 mm, where the centre of the screen is at eye level; in this case, the centre of the metal installation fixture is 1650 mm above the floor.

Wiring and installation of the indoor monitor

- 1) Secure the mounting connector to the wall with screws.
- 2) Remove the cable and connect the system according to the wiring diagram.
- 3) Hang the monitor on the mounting connector.

2.2. INSTALLATION OF THE PANEL



Location of the panel installation

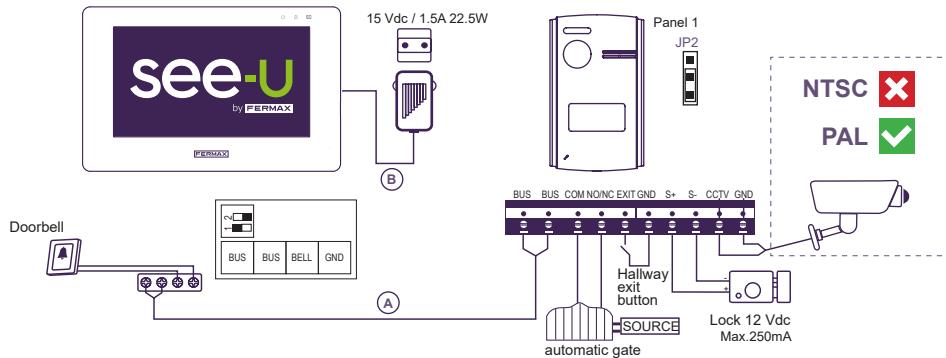
The standard installation height of the outdoor panel lens is approximately 1650 mm above the ground. It is advisable to install a flush-mounted box to accommodate the wiring and to avoid problems when fixing the panel to the wall.

Wiring and installation of the outdoor panel

- 1) Carefully use a flathead screwdriver to pry the cover off the card holder, insert the label and replace the cover.
- 2) Fix the rain hood to the wall with screws.
- 3) Remove the cable and connect the system according to the wiring diagram.
- 4) Secure the outdoor panel to the rain hood with the anti-vandalism screw on the underside of the panel.

2.3. CONNECTION DIAGRAMS

1 panel 1 monitor

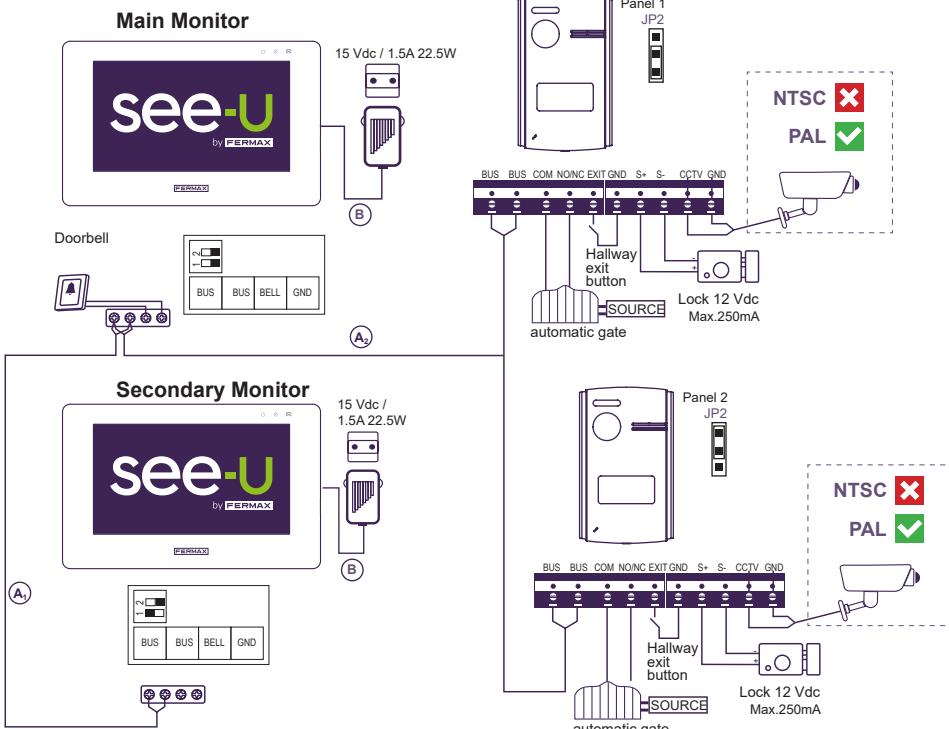


Note:

- Compatible with PAL encoding system cameras.
- Do not connect door locks with an operating voltage other than 12 Vdc or higher than 250mA.

Recommended Door Lock: REF: F29588.

2 panels 2 monitors



Note:

- Maximum number of connections: 2 Panels and 4 Monitors in cascade.

Table of distances depending on the type of cable.

Cable	Monitor (A) Panel (B) Source	Panel-Camera	Panel-Hallway exit button	Panel-Lock
2 x 0.75 mm ² RVV Parallel Cable	120 m = A+B	100 m	20 m	20 m
2 x 1 mm ² RVV Parallel Cable	120 m = A+B	100 m	20 m	20 m
2 x 0.5 mm ² RVV Parallel Cable	80 m = A+B	100 m	20 m	13 m
2 x 0.22 mm ² RVV Parallel Cable	35 m = A+B	100 m	20 m	6 m
2 x 1 mm ² Braided Cable	140 m = A+B	100 m	20 m	20 m
2 x 1 mm ² Parallel Cable (REF: 5925)	70 m = A+B	100 m	20 m	13 m
CAT5 1 cable per terminal	30 m = A+B	100 m	20 m	5 m
CAT5 2 cables per terminal	60 m = A+B	100 m	20 m	10 m
CAT5 4 cables per terminal	120 m = A+B	100 m	20 m	20 m

In the following link, you will find some tutorial videos explaining the elements and materials that make up the kit, how to set up the monitor and how to pair the See-U by Fermax mobile app.

<https://www.youtube.com/playlist?list=PLf1YNFmssC37sD3arXGr5x8dFpoagf-R>



3. CONFIGURATION AND USE

3.1 MONITOR CONFIGURATION

3.1.1 Notification LEDs

On the top right-hand side of the monitor, LEDs are visible that indicate the following:

- Power indicator:** This indicates whether it is connected to the source. This LED flashes during the start-up process. After the monitor has booted up, this LED will remain off.
- Mute indicator:** This indicates whether the monitor is silent. If the monitor is muted, a steady LED will be visible.
- Notification indicator:** It indicates all event types that have already taken place, such as calls, screenshots and recordings. When the LED is on, this means there is an event type to check.

3.1.2 Navigation main screen

Touching the screen activates it and displays the different monitor options. There is also a drop-down menu at the top where additional information is displayed: Volume settings, monitor mute, WiFi connection and the different screenshot modes. The following image shows the different icons that appear:



Auto-on: Executes an AutoOn of both the panel and the connected analogue cameras.



Photo: Storage of the image record.



Video: Storage of the logged recordings.



Intercom: Selection of calls to the different monitors connected to the bus.



Exit: It will turn off the screen to put the monitor on standby.

By sliding the drop-down arrow down, the following screen appears with the following additional functions:



Volume: Volume settings of panel, monitors and doorbell.



Silent: Activate / Deactivate monitor sound.



WiFi: Activate / Deactivate WiFi connection.



Record: Click on the main icon to access the different capture modes:



Record: Take a screenshot during the call.



Record: Makes a video recording (15 seconds) during the call.



Record: This indicates that both screen capture and video recording are disabled.

Without SD memory, the monitor can store up to 100 photos and 10 videos lasting 15s each. A photo is 45 KB in size and a video is 2 MB. Internal storage: 80 MB for video and 10 MB for photos. Supports from 8 GB to 128 GB of external memory.

NOTE: Under European Union data protection legislation (EU) 2016/679 video capture may be restricted. This functionality can be activated/deactivated from the monitor at your own risk. You may be required to place a sign next to the outdoor panel stating that the monitor can capture images. You can download it at the following link [NOTE: sign is in Spanish only -Translator]:

https://www.fermax.com/dam/jcr:28d0c22e-9a82-4f1b-b393-933934f62835/AdhesivoZonaVig_ESP_ED.pdf

3.1.3 Navigating the settings screen

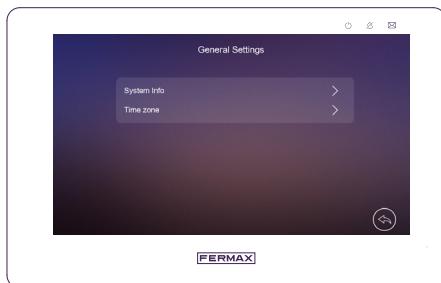
From the main screen, swipe left to access the settings screen:



Allows you to return to the previous screen, in this case the main screen.



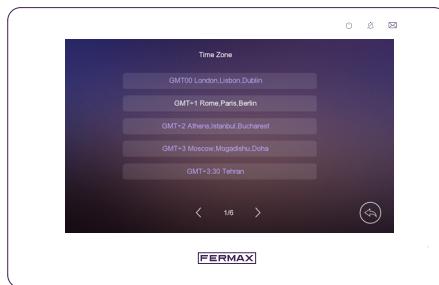
Allows access to system information and time zone settings.



System Info: Displays what type of monitor it is (Primary or Secondary) and the version of the software installed.



Time Zone: Allows the selection of Time Zones.



WiFi: Allows you to enable or disable [WiFi] and set the call forwarding timeout for the monitor; you can also reset the WiFi connection. The WiFi SSID of the current connection will appear in this menu, as will the signal strength and the Internet connectivity (! means that there is no Internet connection). A QR code (QR on the right) is also displayed for downloading the See-U by Fermax app, available for Android and iOS. Lastly, another QR code (QR on the left) allows you to pair a mobile telephone to the monitor via the application.

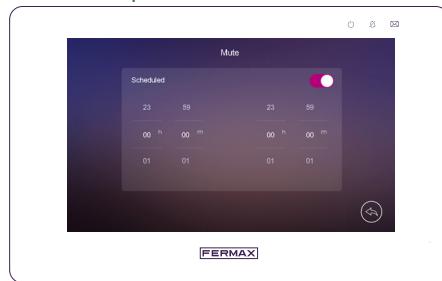
NOTE: The QR code for pairing with the See-U by Fermax mobile app will appear only when the monitor has previously established a connection to a wireless network.



Melody: Allows you to set the ringtone for the Panel, Intercom and Doorbell. You can also select the number of repetitions of the melodies.



Mute: Allows you to activate or deactivate the "Do not disturb" function with timer, and to set the time period.

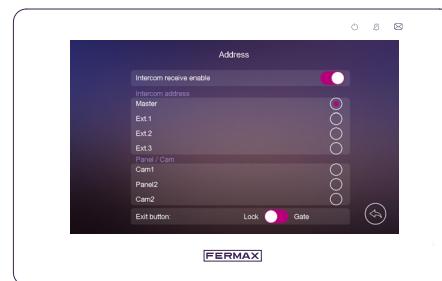


Note: This setting has a lower priority than the one entered via the quick menu.



Address: Enable intercom call reception:

- **Intercom address:** sets the monitor's intercom address: main, ext1, ext2 or ext3. (An address cannot be duplicated between different monitors within the same network.)
- **Panel/Cam:** indicates if there is a Cam1 camera associated with Panel 1 and a Cam2 camera associated with Panel 2.
- **Exit button:** allows you to select the lock or door to open by pressing the Exit button.

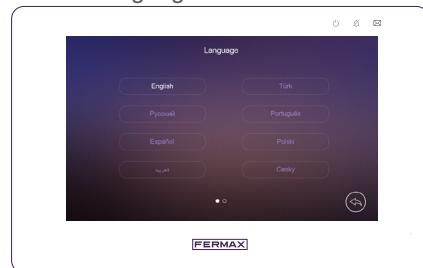


NOTE: - The devices are configured independently on each monitor if there is more than one monitor.

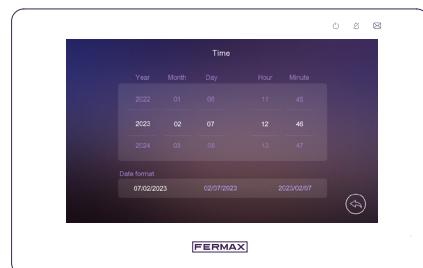
- A monitor that does not have Panel 2 defined will not receive a call from it, nor will it be able to automatically switch on.
- For over-voltage protection, if a second monitor in Main mode is connected to the data bus, both monitors remain in an idle state until the system detects only one monitor in Main mode. It is recommended to configure the second monitor as EXT1, EXT2 or EXT3 at start-up.



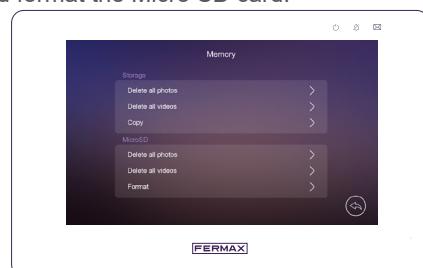
Language: Sets the language of the monitor.



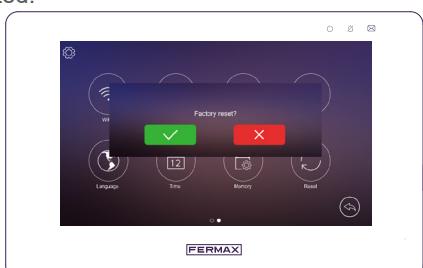
Time: Allows you to manually set the date and time of the monitor, and to select the date format. It is also possible to adjust the time and date directly from the application.



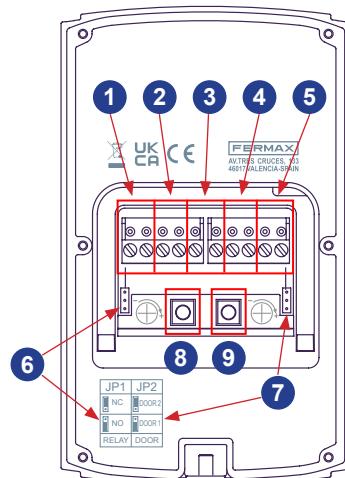
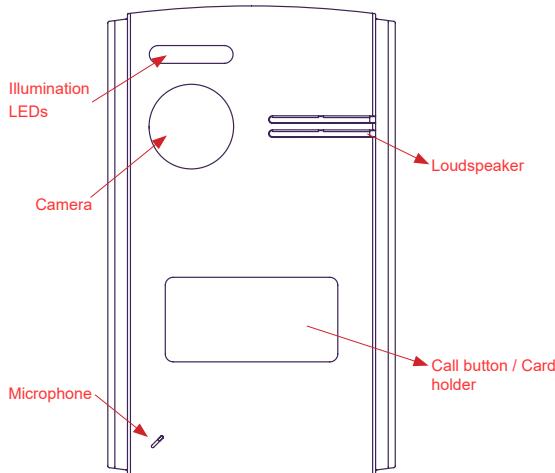
Report: You may delete all the photos and videos from the Micro SD card or the internal memory, copy all of the images from the internal memory to the Micro SD card and format the Micro SD card.



Reset: This allows you to restore the factory settings of the system (except for the date, time and intercom address). The monitor will open a pop-up window where you confirm the restoration of the factory defaults. No photos or videos will be deleted.



3.2 PANEL CONFIGURATION



1- Bus: For the connection of the communication bus.

2- Relay connection: For connecting the door relay with an additional power supply. For example: For a Gate.

3- Exit button (Exit-GND): When pressed, the door is opened by a door lock or a relay, depending on the configuration.

4- Connection of DC door lock: If required, it operates a 12VDC electric door lock.

5- Analogue camera connection: For connecting an additional camera. This camera must be analogue.

6- JP1: You can set the Relay as NC (Normally Closed - Bridge Up Position) or NO (Normally Open - Bridge Down Position).

7- JP2: Panel number.

- If JP2 is in the down position, the Panel will be number 1
- If JP2 is in the up position, the Panel will be number 2

Note: By default, JP1 and JP2 are in the down position.

8- Loudspeaker Volume: Regulates the audio volume of the panel's loudspeaker.

9- Microphone Volume: Regulates the audio volume of the panel's microphone.

3.3 MOBILE TELEPHONE PAIRING

3.3.1 WIFI (available only on main monitor)

The monitor can work as an active WiFi zone which is connected to the home WiFi router. The WiFi settings are controlled from the See-U by Fermax app, which you can download from Google Play (Android) or from the Apple Store (iOS). Search for the 'See-U by Fermax' application. The main monitor is responsible for diverting calls from the panel to the linked mobile telephone using the Internet connection from the home router. The telephone must have the See-U by Fermax application installed and be pre-synchronised.

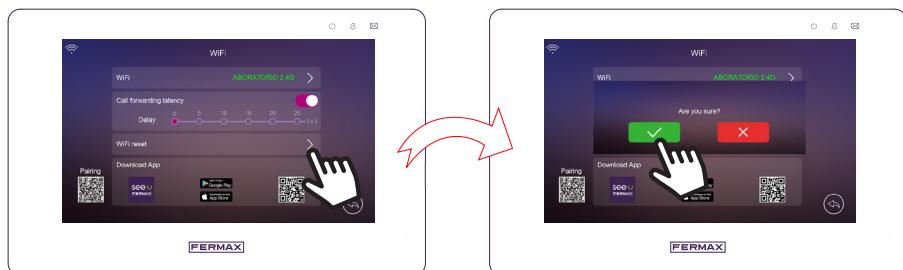
3.3.2 Telephone synchronisation

Connect the monitor to the home router and synchronise the first telephone.

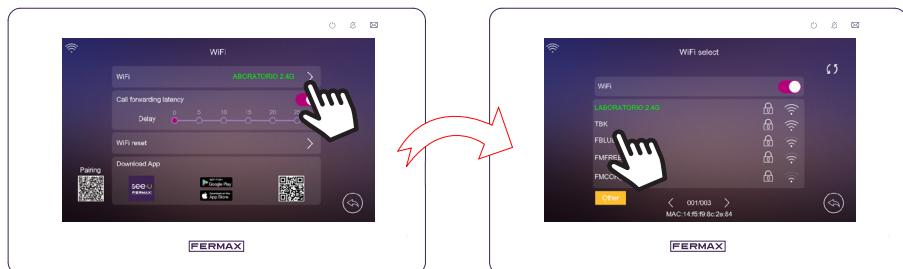
Telephone pairing

Based on a previous start-up during which the Wi-Fi connection was configured, a further explanation is detailed in case a new connection to a different wireless network needs to be removed and added.

Select the "Reset WiFi" option to begin connecting the monitor with the home router. Clicking on this button will open a pop-up window, allowing you to confirm the re-establishment of any previous WiFi connection. It will also reset the PIN code of the connection which encrypts the connection.



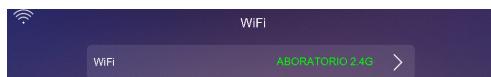
Go to the WiFi submenu, where you can choose the desired wireless connection.



Once you have chosen the WiFi network, you will be asked for the password to establish the connection.



This establishes the WiFi connection to the monitor. The SSID of the WiFi will appear in green in the WiFi submenu for verification.



If the connection is not successful, the SSID will be displayed in red with an exclamation mark:

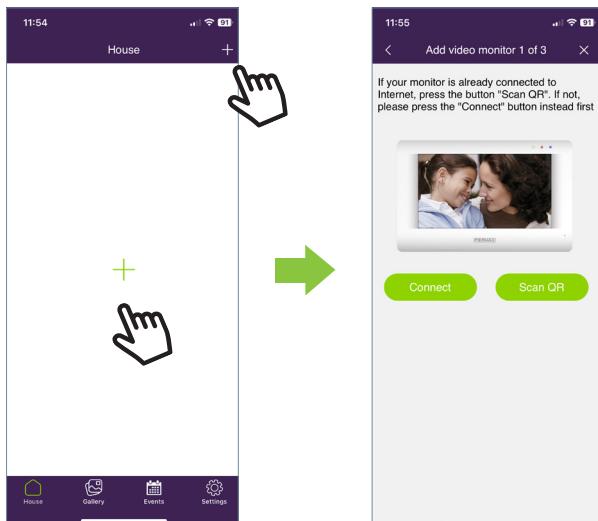


Download the See-U by FERMAX app:



Open the previously downloaded 'See-U by Fermax' app, it is necessary to pair the mobile device to the monitor.

- On the main screen of the application, add a new monitor by pressing the buttons with the '+' symbol in the middle or in the top right corner.



- The options **"Connect"** and **"Scan QR Code"** will appear. By choosing one of the two, you will be taken through a step-by-step guide on how to pair your device to the monitor. We will explain the two selections in the following points:

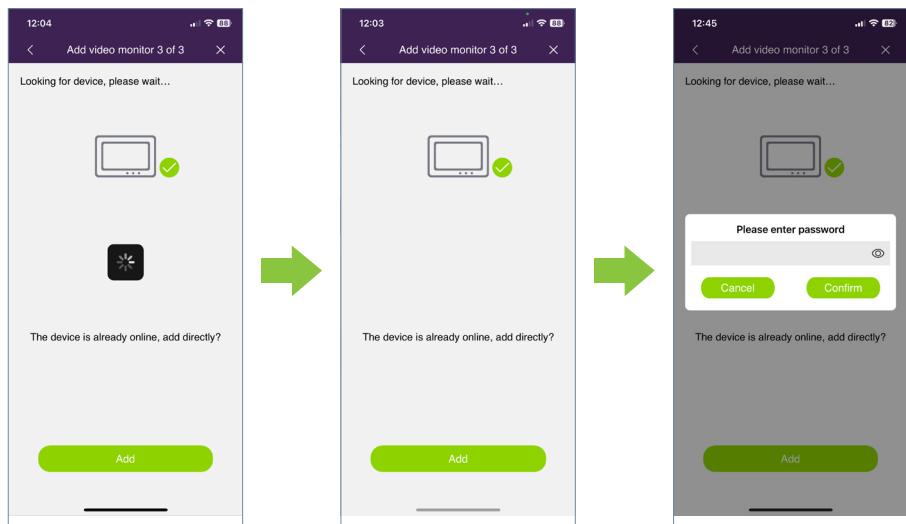
- **Connect:** This will show the process of connecting the monitor to WiFi; the 'Scan QR Code' button will then appear, activating the camera to scan the QR pairing code.
- **Scan QR code:** The last step will appear, where the 'Scan QR Code' button appears to activate the camera and pair the device.

Note: The QR Pairing Code must appear on the monitor beforehand

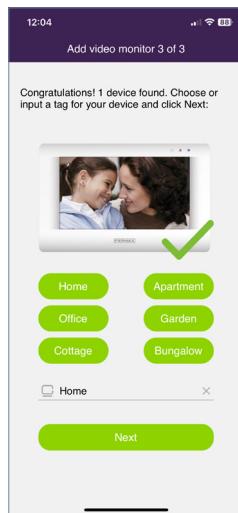
- The camera will be activated; focus on the QR code on the left side of the monitor.



- You will note that the camera will offer options to enable the flash and to extract an image featuring a QR pairing code from the album. It also has the ability to auto-adjust the zoom of the camera to get the QR pairing code.



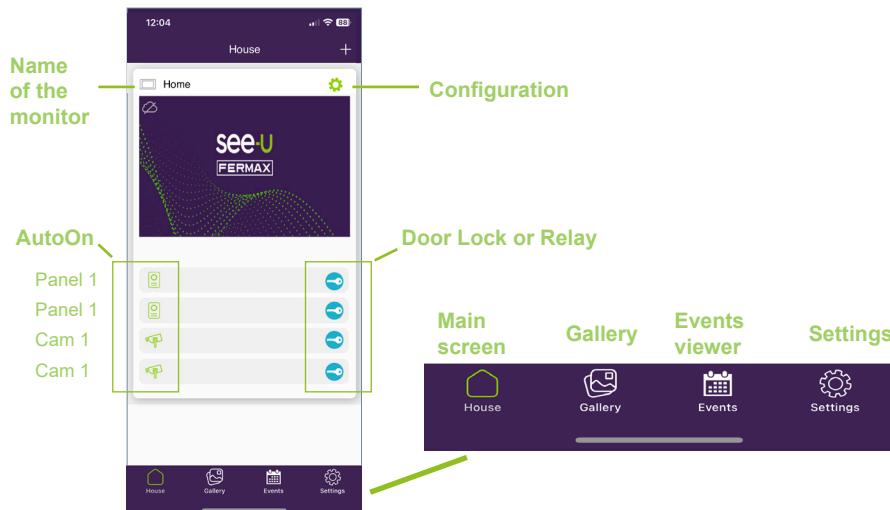
- A password is set (numeric values only). Furthermore, there are preconfigured names for naming the monitor. You can also enter a personalised name.



- Press the "**Next**" button to confirm and the monitor added to the main screen will appear.

3.3.3 App navigation sections

On the main screen, you will have access to the following sections:





Main screen

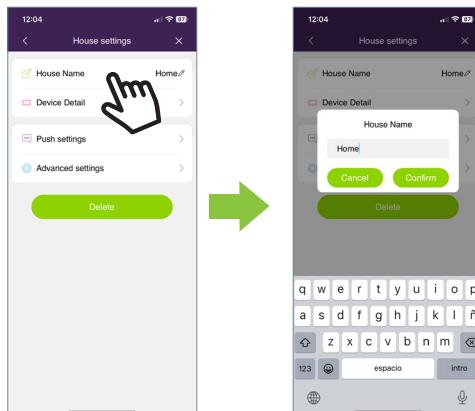
The paired monitor window will appear, as shown in the image above. The different connected devices, such as PANEL1, PANEL2, CAM1 and CAM2, also appear in the same window. Lastly, there is an Advanced Settings icon.

House settings:

Enter the submenu to modify: Monitor Name, Push Notifications and Advanced Parameters (you can also view monitor details).

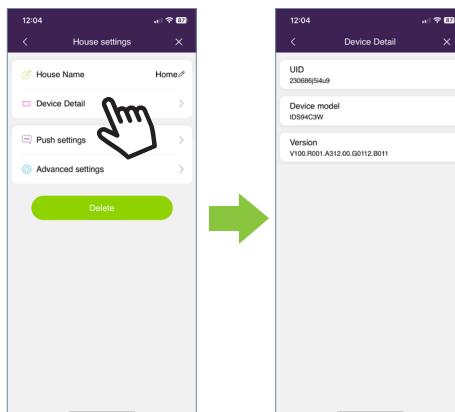
- House Name:

The name of the monitor can be changed. Press the icon and a pop-up window will appear to modify the name of the monitor.



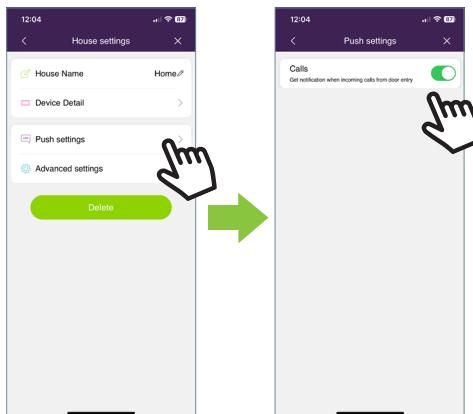
- Device details:

It will display monitor information such as: Monitor ID, Model and Firmware Version.



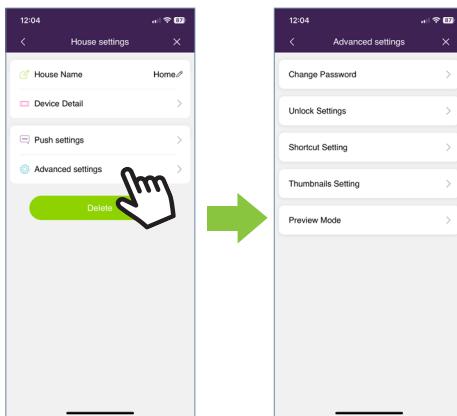
◦ Push settings:

You can Enable or Disable pop-up notifications every time you receive a call.



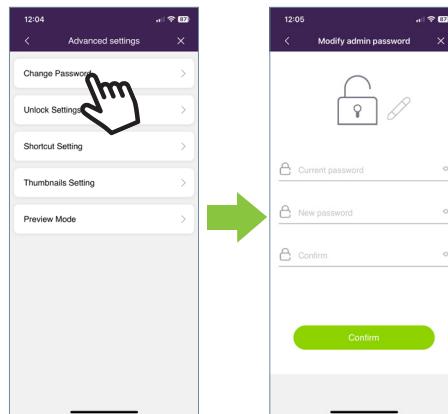
◦ Advanced settings:

Allows you to enter the extra settings where you can customise features such as:



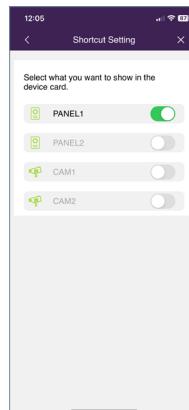
• Change password:

You can change the door opening password. The current and new passwords must be entered, and the new one confirmed. Once set, the password is confirmed by pressing the 'confirm' button.

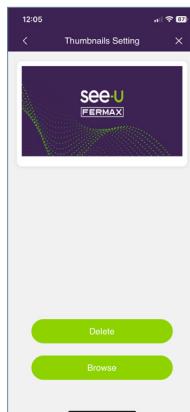


- **Unlock Settings:** Within this section, three parameters can be modified:
 - Quick release: If enabled, you will only be prompted to open the door once. For future calls, it will not ask for the door release password again. If the option is deactivated, you will always be asked for the door release password. This option disables the '**Open Confirmation**' menu
 - Unlock confirmation: Adds biometric security (facial recognition, fingerprint reading) and confirms door release. This option disables the '**Quick Open**' menu.
 - Unlock Shortcuts: If the '**Quick opening**' section is activated, this option will be enabled and shortcuts can be configured on the main screen with respect to door release and/or opening relays.
- **Shortcut Settings:** Allows you to show or hide the additional panels and cameras installed in the apartment.

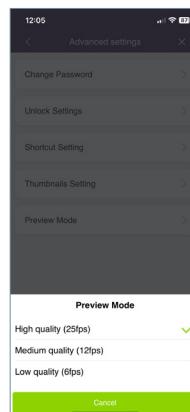
On the main screen where the apartment is added, only the devices that have been activated from the app will show as available to perform AutoOn.



- Thumbnails setting: This allows you to change the preview image of the main screen monitor window within the App.



- Preview mode: This allows you to select the Audio and Video quality. By default, it is set to High Quality.



- Cancel:

When you press this button, a pop-up window will appear to confirm whether you want to delete the monitor.

PANEL1, PANEL2, CAM1, CAM2:

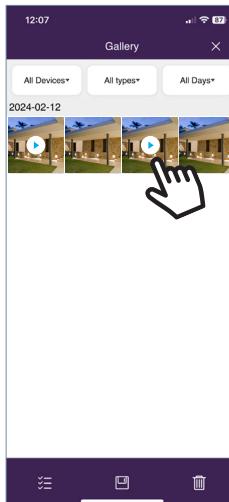
Clicking on the icon will perform an AutoOn of the connected devices. By default, all devices that can be connected from the App are displayed. Pressing the key icon  of the corresponding device reveals a drop-down menu allowing you to select whether you want to open the door or the relay.





Gallery

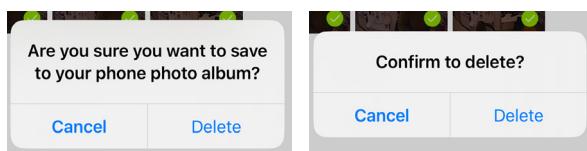
It is possible to view screenshots or recordings that are made through the external panel. It is possible to filter by device, type of capture (image or video) and by date.



Pressing the edit icon at the bottom of the screen will display 3 editing options: Select All, Store In Device or Delete Selection.

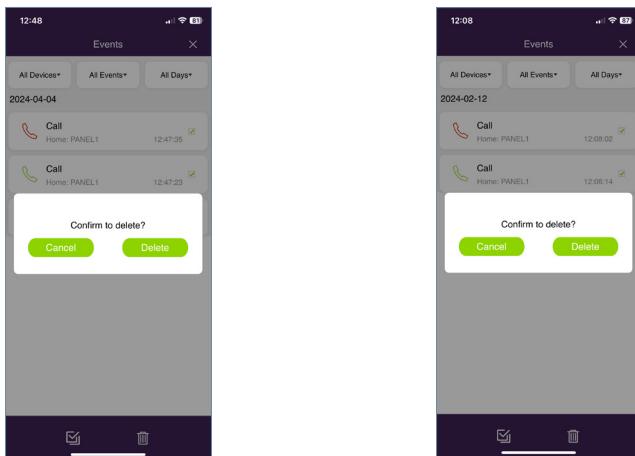


Note: Under the Store to Device and Delete options, a pop-up window will appear to confirm or cancel the above-mentioned actions.



Events Viewer

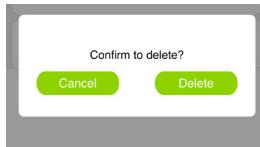
Answered and unanswered calls are displayed from the mobile app. Calls with the green icon are calls answered through the mobile telephone. When the call is answered, the monitors indicate that the call is busy, i.e. there is no simultaneous call between the different devices connected to the same call. Calls showing a red icon are those that were not answered through the mobile telephone. In this case there are 2 situations: the call was answered from the monitor or it was simply not answered.



As with the Album option, the events section can be filtered by device, event type and date.

Additionally, the edit icon allows you to individually select each event, select all and delete.

When you select the Delete button, a pop-up window will appear to confirm whether you want to delete events via individual selection, or simply delete all events.



Settings

In this section you can modify general settings such as:

- Adding an apartment: this takes you to the monitor pairing process.
- Details: shows information about the application icon, version and terms and conditions.

Warning:

This device complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter



The equipment you have purchased is identified according to Directive 2012/19/EU on Waste Electrical and Electronic Equipment.



For more information, visit www.fermax.com

Contact: tec@fermax.com / www.fermax.com/contact

RADIO FREQUENCY MODULE

EC DECLARATION OF CONFORMITY

FERMAX ELECTRÓNICA, S.A.U. declares that this product complies with the requirements of the RED Directive 2014/53/EU on Radio Frequency Equipment.

<https://www.fermax.com/spain/pro/documentacion/documentacion-tecnica/DT-13-declaraciones-de-conformidad.html>

Radio frequency module:

Frequency: 2.4GHz / Maximum power: 14 ± 0.6 dBm

APPENDIX A

EXAMPLE OF SUPPLIER'S DECLARATION OF CONFORMITY — COMPLIANCE INFORMATION STATEMENT INCLUDED WITH AN END PRODUCT AT THE TIME OF MARKETING OR IMPORTATION²²

NOTE: The commission does not have a required SDoC format. This is an example only and is provided to illustrate the type of information that may be supplied with the product at the time of marketing or importation to meet the FCC SDoC requirement, Section 2.1077, Compliance Information.

Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

Unique Identifier: 0033912635

Responsible Party — Mr Vincent Baglivio

Fermax:

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Brooklyn, NY 11235

(646) 330-4830 vinny@fermaxus.net

FCC Compliance Statement (e.g. products subject to Part 15)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions; (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



FERMAX

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