



SEE-U 7" 1L KIT

ADVANCED INSTALLATION MANUAL

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

CONTENTS

	1. DESCRIPTION	4
	2. INSTALLATION	5
	2.1 Monitor Installation	5
	2.2 Installation of the Panel	5
	2.3 Connection Diagrams	6
	3. CONFIGURATION	7
	3.1 Monitor Configuration	7
	3.1.1 Notification LEDs	7
	3.1.2 Navigation Mode	7
	3.1.3 Standby Mode	10
	3.1.4 Call Mode	11
	3.1.5 Rear of the Monitor	12
	3.2 Configuration Panel	13
	3.3 Use of the Panel	13



1. DESCRIPTION

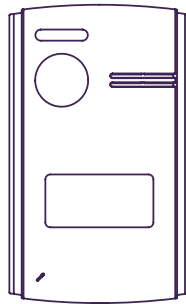
PRODUCT AND CONTENT



REF: F01392
7" Monitor



REF: F01395
Panel

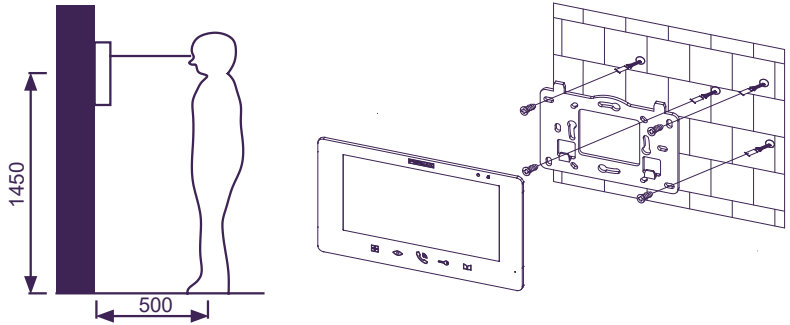


REF: F01390
Power Adapter



2. INSTALLATION

2.1. INSTALLATION OF THE MONITOR



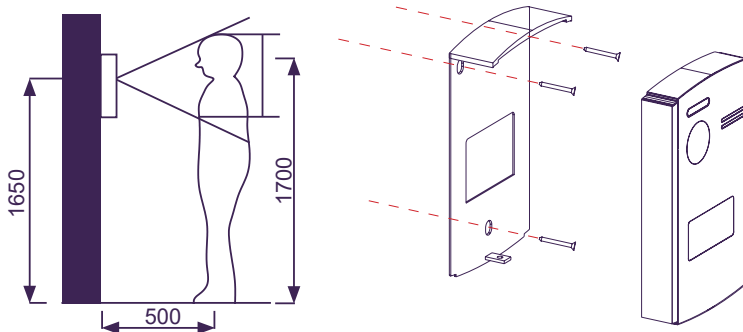
Location of the monitor installation

The standard installation height of the monitor is approximately 1600 mm, where the centre of the screen is at eye level; in this case, the centre of the metal installation fixture is 1450 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

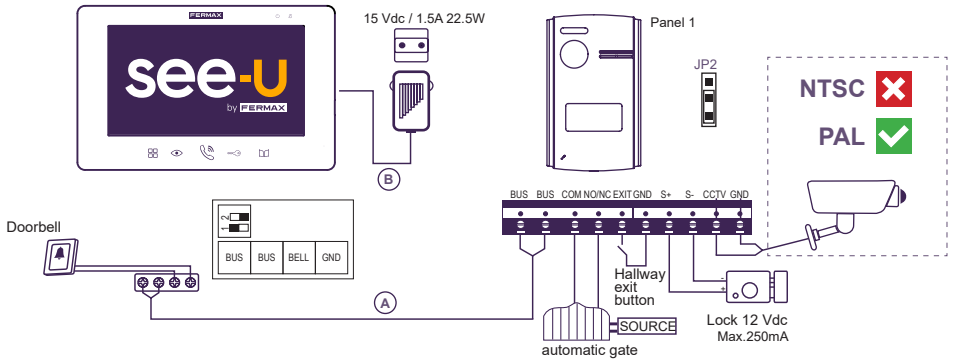
The standard installation height of the outdoor panel lens is approximately 1650 mm above the ground. It is advisable to install a flush-mounted box to accommodate the wiring and to avoid problems when fixing the panel to the wall.

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) Pull out the cable and connect the system according to the wiring diagram (chap.3).
- 4) Secure the outdoor panel to the rain hood with the anti-vandalism screw on the underside of the panel.

2.3. CONNECTION DIAGRAMS

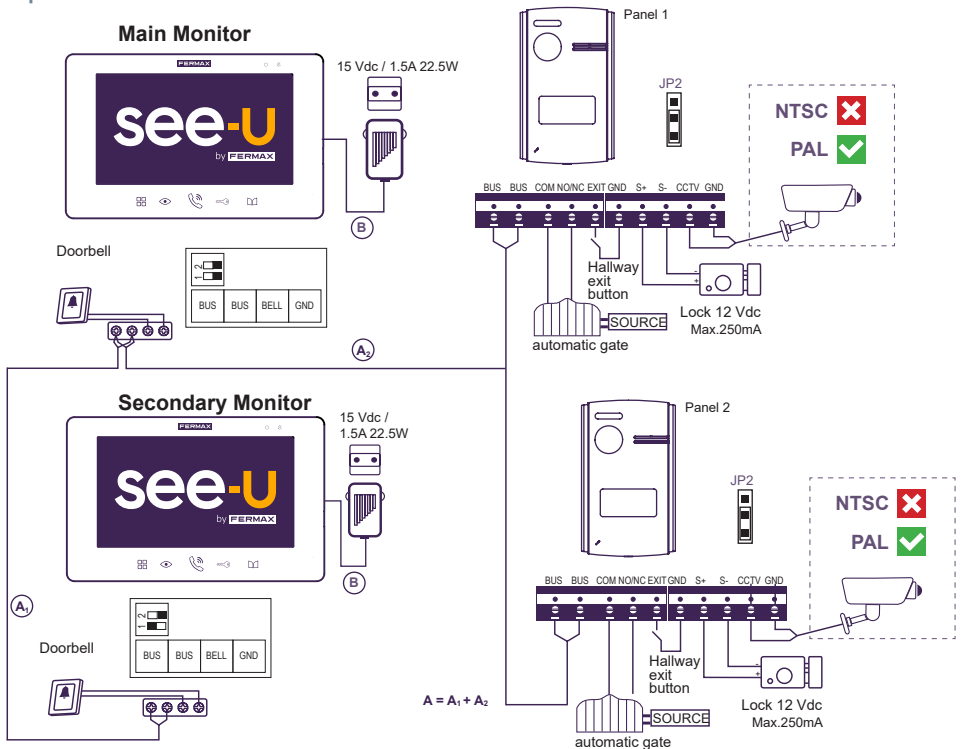
1 panel 1 monitor



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	Main panel (A) + Monitor-Source (B)	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
2x0.5mm ² RVV Parallel Cable	80m = A+B	100 m	20 m	13 m
2x0.22mm ² RVV Parallel Cable	35m = A+B	100 m	20 m	6 m
2 x 1 mm ² Braided Cable	140m = A+B	100 m	20 m	20 m
2 x 1 mm ² Parallel Cable (REF: 5925)	70m = A+B	100 m	20 m	13 m
CAT5 1 cable x terminal	30m = A+B	100 m	20 m	5 m
CAT5 2 cables per terminal	60m = A+B	100 m	20 m	10 m
CAT5 4 cables per terminal	120 m = A+B	100 m	20 m	20 m





3. CONFIGURATION AND USE

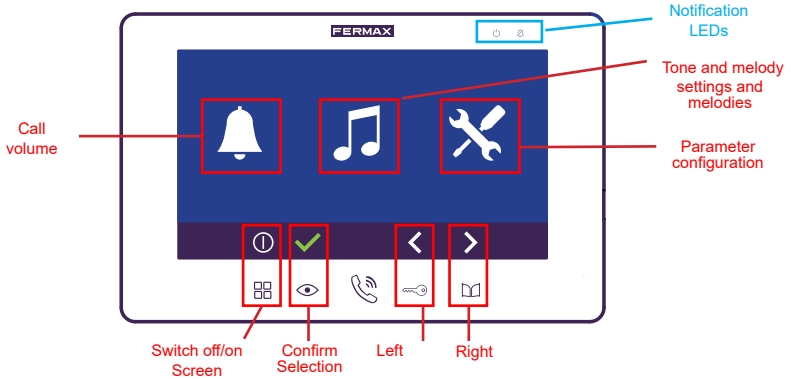
3.1. MONITOR SETTINGS

3.1.1 Notification LEDs

These are located on the top right-hand side of the monitor; a number of LEDs are visible that indicate the following:

-  **Power indicator (white):** This indicates whether it is connected to the source. If the monitor is switched on, a steady LED will be visible.
-  **Do-Not-Disturb indicator (red):** This indicates whether the monitor is silent. If the monitor is muted, a steady LED will be visible. When the Do-Not-Disturb LED is activated, the Power Indicator LED will turn off.

3.1.2 Navigation Mode

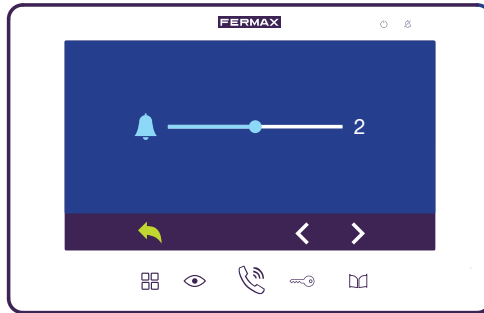


Note: As the screen is not touch-sensitive, the equivalent of each button corresponds to the physical icons on the monitor (as shown in the picture).



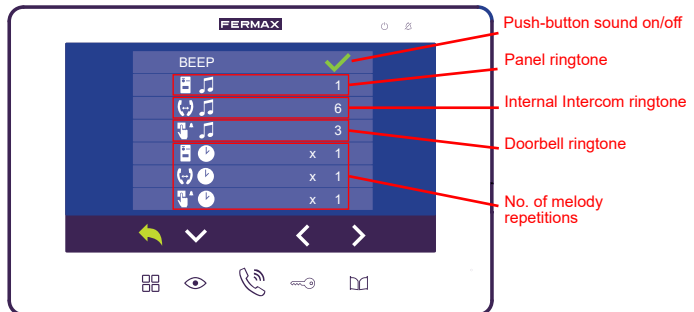
Ringtone Volume

Select the ringtone level with the Left and Right buttons of the navigation button. The last configuration is saved upon exit.



Tone and melody settings

You may choose between the different melodies as follows:

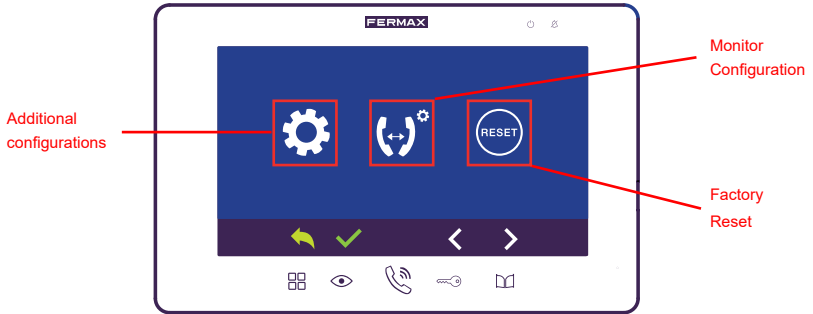


Note: There are up to 16 types of melodies. You may use the navigation buttons to move the eye icon down to configure each option, and the speaker - document keys to activate/deactivate and increase/decrease, depending on the option you are viewing. The key grid will take you to the previous menu. When you return to the previous menu, the settings you have made are saved.



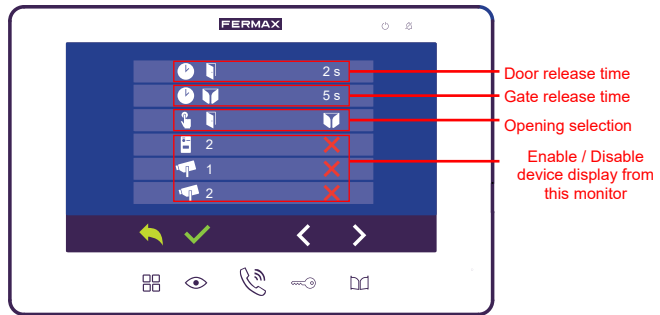
Parameter configuration

Selecting this allows you to enter the additional function configurations from the monitor. It is subdivided into 3 extra configurations:



Additional configurations:

In this section, you may customise video door station functions such as:

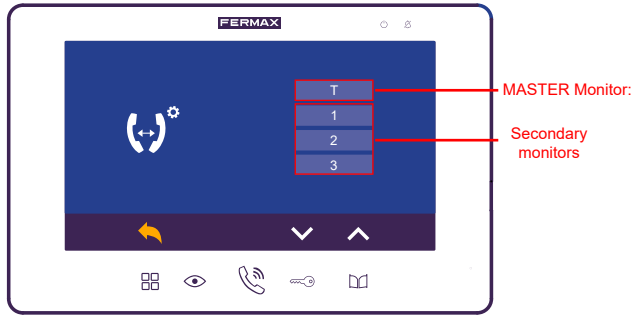


- **Door opening time:** This is the duration for which the door is held open (activation of outputs S+, S- for DC lock).
- **Relay door opening time:** This is the duration for which the relay remains open (activation of COM, NO/NC outputs).
- **Opening selection:** Enabling the Exit button (Exit on the back of the panel) You may select whether pressing this button triggers door opening or relay opening. The final configuration will be the last one selected on any of the monitors in the apartment. By default, it is configured to operate the door lock (Outputs S+ and S-).
- **Enable/Disable devices:** This option enables or disables those devices where AutoOn is possible from the monitor (by pressing the button while on standby): This will depend on the elements that are connected to change the panel or camera where Auto-ON is required.



Monitor configuration:

In this section you may select the type of monitor: Master or Secondary Monitor.



- **Master Monitor:** This is the main monitor in the apartment. One monitor must be programmed as the Master (and one only). If no monitor is programmed as the Master, the panel will not receive power.
- **Secondary monitors:** Monitors other than the Master will be secondary and will be programmed with an address (1-3) in order to allow internal intercom calls.



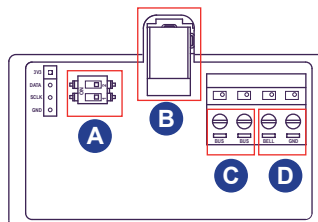
Factory reset:

This option allows you to reset the monitor to its initial values. Pressing it will prompt you for a second confirmation that you wish to execute it.



3.1.3 Back of the Monitor

The following picture shows the different connections on the back of the monitor:



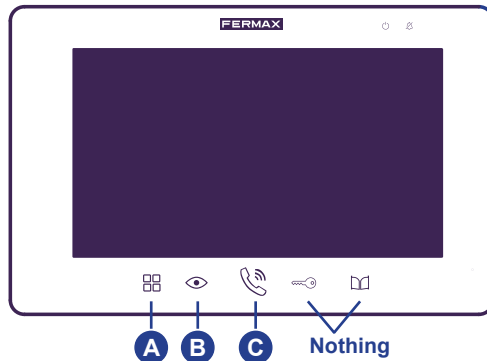
A Dipswitch connections: Depending on the number of connected monitors, they will fulfil the following functions:

- Dipswitch 1:
 - In ON state: Activates video impedance matching. Activation of this adaptation is required when the monitor is the last one on the bus.
 - In OFF state: Used for intermediate bus monitors.
- Dipswitch 2: It does not fulfil any function.

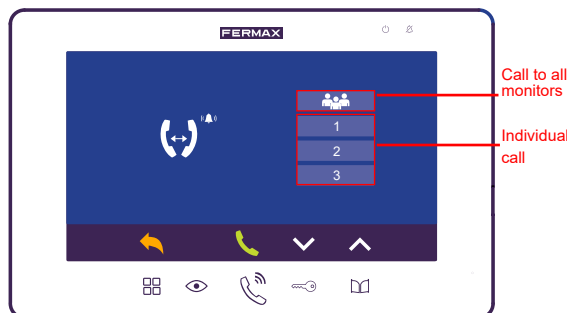
- B Power adaptor connector:** This is where the power supply is connected. By default, all monitors require a power connection.
- C Connection to the bus:** These are a pair of wires that are connected to provide a communication channel between the different devices within the system.
- D Connection to the doorbell:** This is a pair of wires that are connected to add a button, switch, etc. in order to function as a doorbell.

3.1.4 Standby Mode

This is the capacity of what the monitor can do when it is switched off. In the following image we will describe the actions you can take.








- A Access to navigation menu:** This will activate the monitor, opening the navigation mode sections. (See section 3.1.2. *Navigation Mode*).
- B AutoOn:** This action will automatically switch on the panel. If an analogue camera is connected, press a second time to switch the camera.
- C Call for monitors:** This will open a submenu where you may choose to call a secondary monitor if there is one. It is described in the following image.



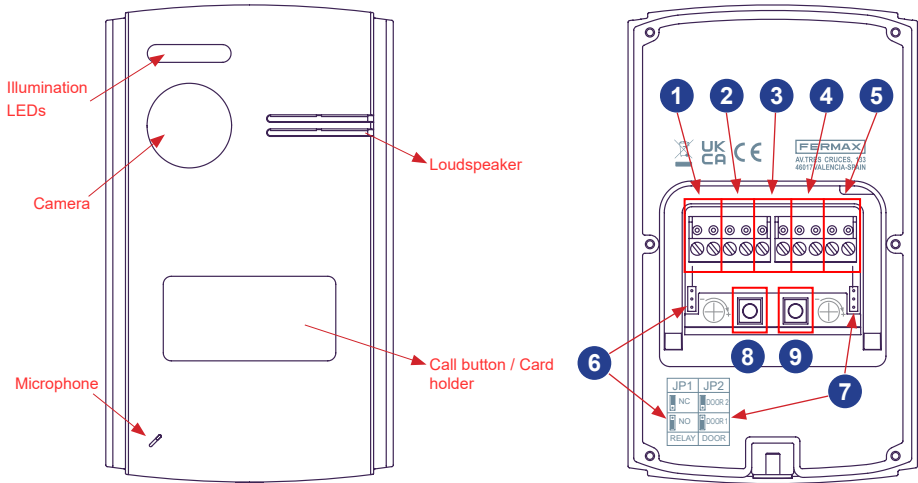
3.1.5 Call mode

During a call, the buttons on the monitor indicate the following:



- A Monitor settings:** this will control settings regarding ringtone and audio volume (if picked up) and display settings such as: brightness, contrast and colour.
- B Camera switching function:** This will switch the camera according to the set configuration of the system (Position JP2). The monitor will indicate whether it is a change of  panel or of camera .
E.g.: When the call is answered, it will display the image from the camera on panel 1, jump to analogue camera 1, then to panel 2 and finally to analogue camera 2.
- C Hang up/pick up call:**
Once the call is made from the panel, the monitor displays an image and when pressed, it indicates with this icon  that the call has been picked up. Pressing a second time will hang up the call and turn off the monitor display.
- D Door release:**
Door release can be triggered by answering or not answering the call. Door release is confirmed by the icon  on the screen.
- E Relay opening:**
Relay opening can be triggered by answering or not answering the call. Door release is confirmed by the icon  on the screen.

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 release or a relay, depending on the configuration.
- 4- Connection of DC door opener:** If you need to operate a 12VDC electric lock release.
- 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:** Select the Panel
 - 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- Speaker Volume:** Regulates the audio volume of the panel's loudspeaker.
- 9- Microphone Volume:** Regulates the audio volume of the panel's microphone.

3.3. USE OF THE PANEL

Pressing the call button on the panel will call the monitor, indicating the panel number → ₁ or ₂.

The camera preview from the panel camera will be displayed on the monitor. After the call has been answered, there is a 90-second holding period.

Note: In low-light conditions, the LEDs on the top of the camera will light up
Unanswered calls have a duration of 30 seconds.

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 technician



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





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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:
 235 Amherst Street
 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.



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