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PATENTS: US 9215410, US 9762852, BE1023440, AU2014203706.

UTILITY MODELS: ES1187384U, ES1141495U, FR3038192, DE202016000632U1, CN205987229(U).

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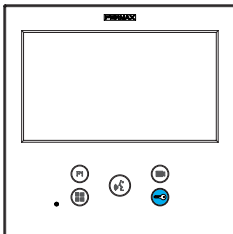
INDEX

	INTRODUCTION	4
<hr/>		
	INSTALLATION	5
	-Monitor installation	5
	-Connections	6
<hr/>		
	TECHNICAL SPECIFICATIONS	8
<hr/>		
	PRODUCT DESCRIPTION	9
	- Buttons	9
	- LEDs	10
<hr/>		
	PROGRAMMING	11
	1. Access administrator and user menu	11
	2. Navigation buttons and monitor push-buttons	12
	3. Administrator menu	13
	1. Monitor address programming	13
	2. Induction Loop	15
	3. Doormatic	15
	4. Reset settings	15
	5. About	16
	6. Conversation mode	16
	7. Premium Video Mode	17
	4. User menu	17
	1. Volume setting	18
	2. Do Not Disturb function	18
	3. Display images	19
	4. F2 Function	19
	5. User parameter settings	19
	6. WIFI connectivity. Pairing	24
	5. Video and audio settings	24
<hr/>		
	OPERATION	26
	1. Pairing. Call forwarding	27
	2. Answering a call	30
	3. Activating the monitor manually (Auto-On)	32
	4. Displaying images	34



INTRODUCTION

The VEO XL WIFI DUOX PLUS monitor allows access to new services offered by Fermax using its own cloud. To access these services, such as **mobile or tablet call forwarding**, the monitor must be paired. Pairing involves connecting the monitor to a home wireless network, as well as linking the monitor to a user account using a mobile application (available for Android and iOS) and always through Fermax's own Cloud.



The VEO XL DUOX PLUS monitor represents a new electronic design that incorporates DUOX PLUS technology for audio, video, power and data through two non-polarised wires.

The fundamental characteristics of the DUOX PLUS system are as follows:

- Monitor powered via 18Vdc / 24 Vdc bus.
- Private conversation.
- Non-polarised bus.

FUNCTIONS

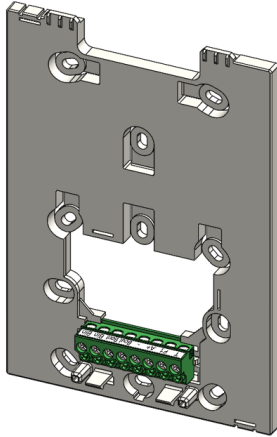
The VEO XL DUOX PLUS monitor has the following features:

- **NEW FEATURE:** Call forwarding to mobiles or tablets.
- Door release.
- Concierge calls.
- Hands-free and simple conversation modes (*Push to talk: press to talk, release to listen*).
- Ring tone volume.
- Call disconnection (Do Not Disturb)
- Melody Selection.
- Doorbell.
- Options to activate lights and bells.
- Programming from panel, monitor and doorbell.
- Audio volume.
- Parameter configuration by on-screen display (OSD).
- Brightness, contrast and colour settings.
- Auxiliary Functions F1 and F2.
- Induction loop (*according to model*).
- Doormatic (depending on configuration).
- Video capture (*with memory*)

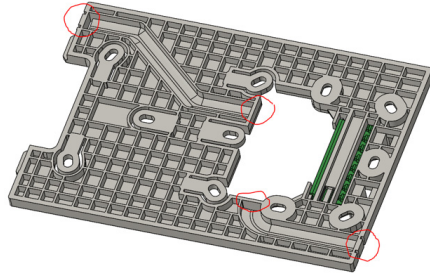
 **INSTALLATION**

MONITOR INSTALLATION

Connector

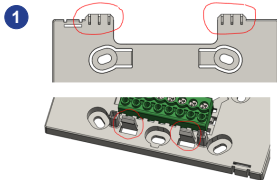


Surface wiring

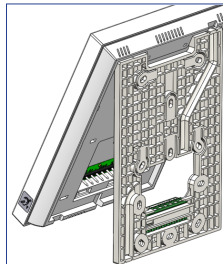
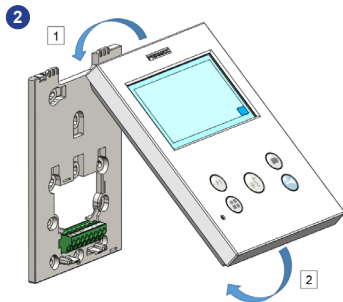


For non-embedded installations, the connector has two channels to guide the cables to the connection strip from the floor or ceiling. Two of the marked partitions must be removed with cutting pliers to create access for the cables from the bottom or top of the connector.

Mounting the monitor

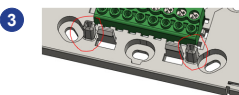


The monitor is to be hung from the two upper hooks on the connector and held in place by two clips in the lower area.



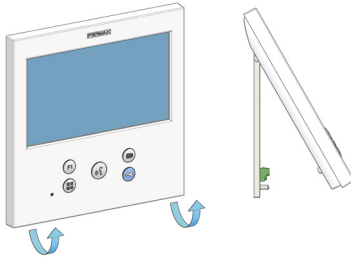
The following diagram shows the monitor as it is being hung onto the connector, before it is tilted down to complete the assembly.

Hold the monitor in front of the connector at an angle between 15 and 30 degrees and hang it on the aforementioned hooks. Tilt the monitor down over the connector and exert force towards the wall on both sides of the lower end until you hear or notice that the lower clips have closed.



Dismantling the monitor

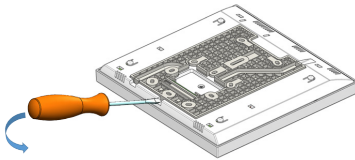
a



a) Wall installation

The connector is designed to dismantle the monitor without the need for any tools. To do this, simply pull at the lower corners perpendicularly to the wall until the clips are unlocked and a minimum angle of 10 degrees with the wall is reached. Then, unhook the monitor from the hooks at the top of the connector.

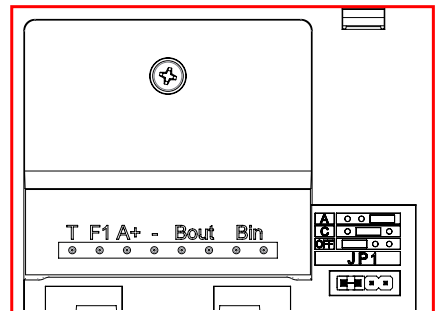
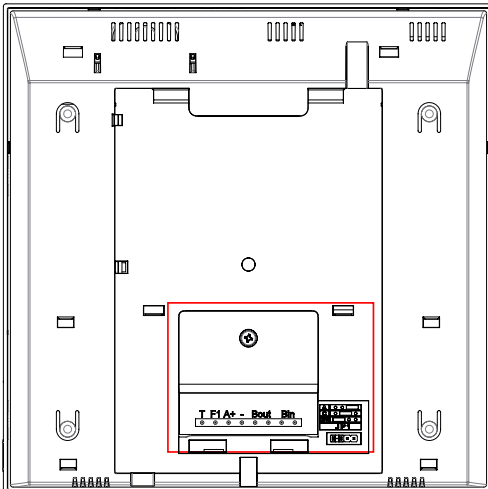
b



b) Monitor attached to connector

If the monitor is attached to the connector but the connector is not anchored to a wall, you will need to use a flat-head screwdriver to prise them apart as indicated.

CONNECTIONS



Monitor Connectors:

Bin, Bin: Data, audio and video input.

Bout, Bout: Data, audio and video output (for cascade connection).

T, -: Apartment door call button (P1).

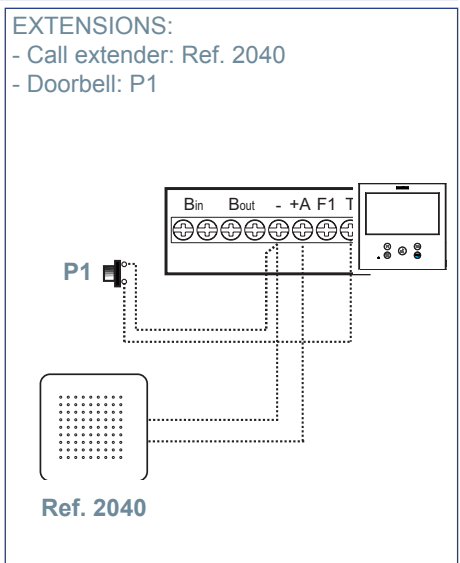
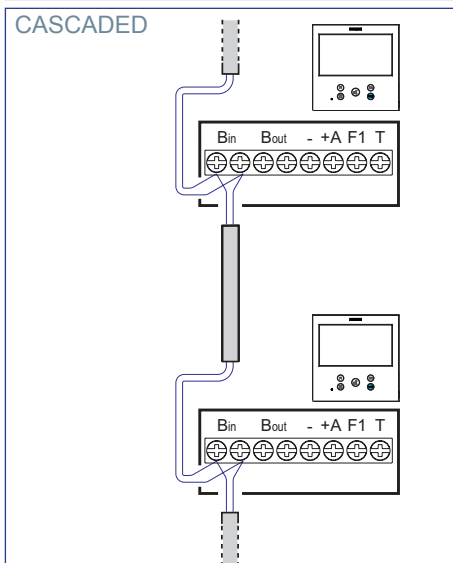
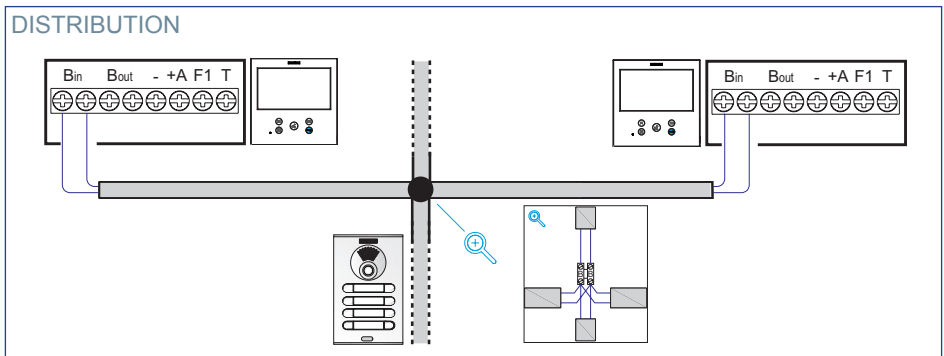
A+, -: Option of connection with the following devices:

- Call extender ref. 2040.
- Light and buzzer commander ref. 2438.

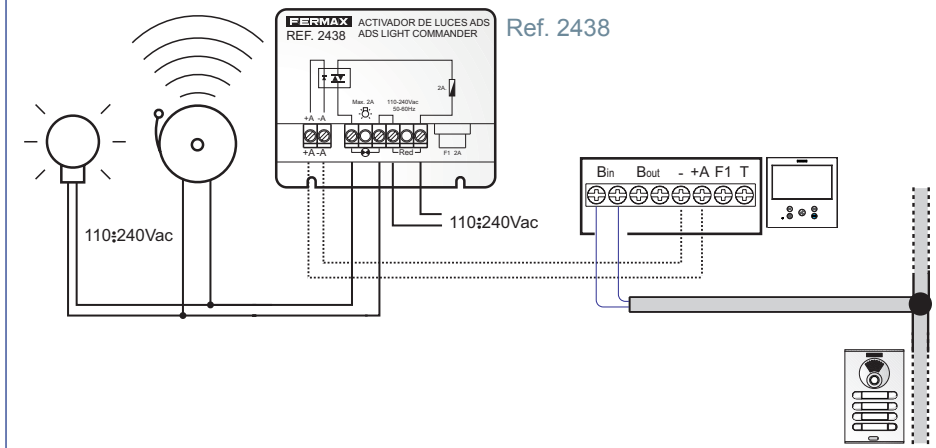
F1: Additional function. (Negative output “-” / command transmission, [see chapter Buttons: Auxiliary function F1](#)).

JP1: Integrated line adapter bridge

- Right: Adaptation type A.
- Centre: Adaptation type C.
- Left: Without line adaptation: OFF, (by default).



EXTENSIONS: Light and buzzer activator Ref. 2438



TECHNICAL SPECIFICATIONS

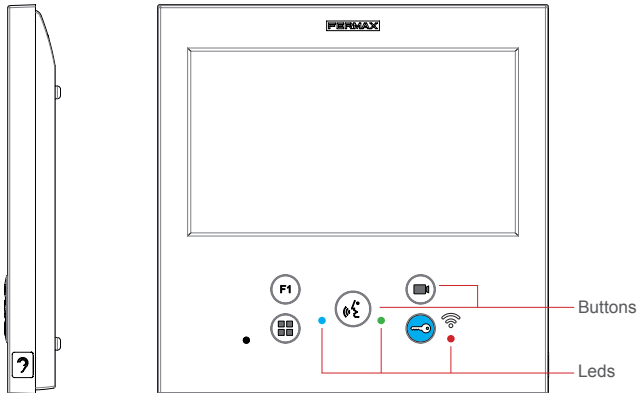
Power supply (without polarity)	18 - 24 Vdc
Consumption	
Consumption at rest (matched and connected)	1.44 W
Maximum consumption	6.48 W
Maximum consumption (with induction loop)	19.2 W
Number of terminals per dwelling	3
Address of each monitor: 6 digits	000001...999999
Operating temperature	[-5° , +40°C] / [23° , 104°F]
Humidity	[0% - 95%]
OSD Screen	TFT 7"
Resolution	
Horizontal:	800 Line TV
Vertical:	480 Line TV
Monitor dimensions	
(H x W x D)	185 x 185 x 24,5mm - 7.3" x 7.3" x 1"

Please note: This VEO XL WIFI monitor is compatible with VEO and VEO XS monitors with versions V2.x and V3.x.

If any of the indicated versions of monitors are replaced, the monitor connector must also be changed. The current monitor connector has the reference 9447.

PRODUCT DESCRIPTION

WIFI VEO XL Monitor



Induction loop Identified with this label (*depending on model*).

- Includes an induction loop that works with devices worn by people with hearing disabilities.

Note: In hearing aids with manual mode selection, the Digital Mode must be set.

BUTTONS



Button for lock release / calls to the concierge.

- When you are in communication with the Outdoor Panel (*audio only or video only or audio+video*), pressing this button activates the lock release.
- With the monitor in idle mode, pressing this button makes a call to the concierge (*if there is a concierge and the monitor is in Day Mode or Mixed Mode*).



Auto-On button.

Connection via block camera or General Entrance camera (*feature available depending on the type of installation see Chapter Operation: [Auto-on](#)*).



Auxiliary Function F1.

Auxiliary Function (negative output "-" / command transmission).

Negative transmission: Negative output is emitted by terminal F1 when the F1 button is pressed, which also sends an F1 activation command in order to activate an auxiliary device.



Audio Button.

When you receive a call, press this button to speak with the visitor. The outdoor-indoor audio channel is opened, (*the blue LED lights up steadily to indicate that you are in conversation with the outdoor panel and everything you say will be heard on it*), and the device is in hands-free mode. Press to end the communication (*the blue audio button LED will turn off again and the red LED will come on*).



Menu Button.

· To access:

- **Programming Menu**, it is accessed when the monitor is not programmed. From this menu, you can program the monitor according to your installation needs.
 - **User Menu**, (once the monitor is programmed). From this menu, you can access the user settings and customise them as you wish.
- To reboot the terminal: Press and hold the Menu button for 10s.

LEDs

● Red LED:

Switched on. Monitor is idle.

Intermittent. Indicates that the Do Not Disturb feature is enabled.

● Blue LED:

Intermittent. Monitor not programmed (*idle*).

Switched on. Conversation in hands-free audio mode.

On/Intermittent. Conversation in simple audio mode

● Green LED: According to configuration.



Led Connectivity (wifi).

[See Operation chapter: Pairing. Call forwarding.](#)

On the monitor:

- Intermittent fast blinking. The white WIFI LED on the monitor will start flashing when the application and the monitor begin to synchronize with each other.
- On. The monitor's white WIFI led remains lit when the new linked home is shown as available and connected.
- Intermittent slow blinking. If a call is accepted in the application, the monitor will remain locked and will show the WIFI LED flashing once per second.

On the monitor screen:



Message of confirmation in the monitor pairing process.



Error message in the monitor pairing process.

Wifi signal strength icon displayed in the menu: Shows 5 levels between 0% and 100%:



Signal strength between 0% and 20% or unpaired monitor.



Signal strength between 20% and 40%.



Signal strength between 40% and 60%.



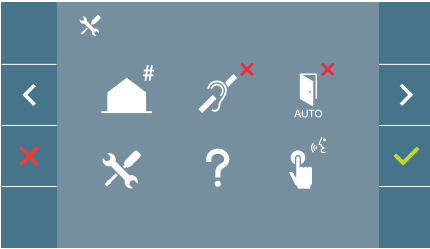
Signal strength between 60% and 80%.



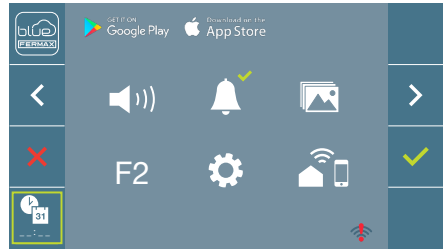
Signal strength between 80% and 100%.

PROGRAMMING:

1. PROGRAMMING: ACCESS ADMINISTRATOR AND USER MENU



Screen: ADMINISTRATOR menu



Screen: USER Menu

The Induction Loop, Do Not Disturb and Doormatic icons will change depending on whether they are enabled/disabled. If they are enabled, a green tick will be displayed ✓ in the top right-hand corner of the icon, whereas if it is disabled you will see a red cross ✗. The conversation mode icon will change depending on the selected mode:



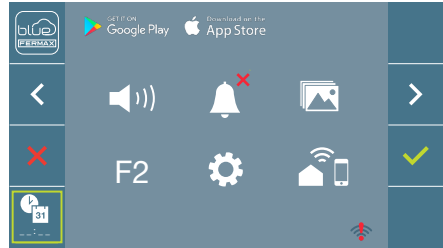
Hands-Free Mode



SIMPLEX MODE (Push to Talk)



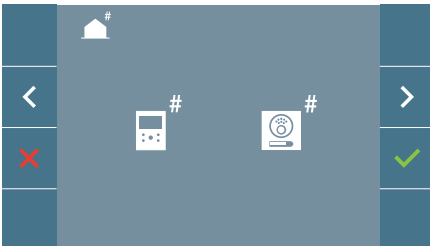
Screen: ADMINISTRATOR menu



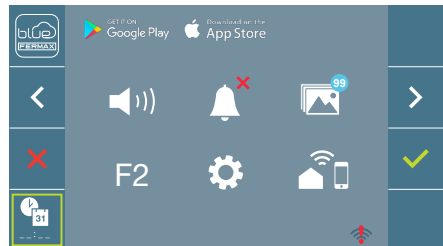
Screen: USER Menu

Press the **MENU** button to directly access:

- The Administrator Menu Monitor Programming option, if the monitor is not programmed.
- the User Menu screen, if the monitor is programmed.

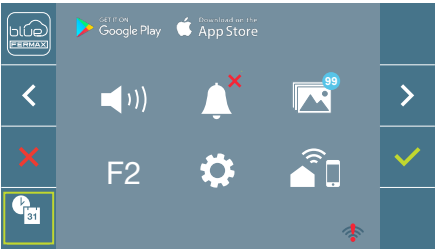



Screen: Monitor Programming option on the ADMINISTRATOR Menu.



Screen: USER Menu

To access the Administrator Menu when the monitor is programmed, two steps must be performed:



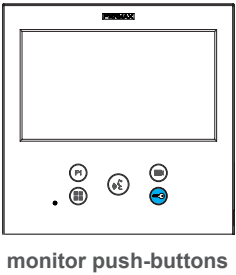
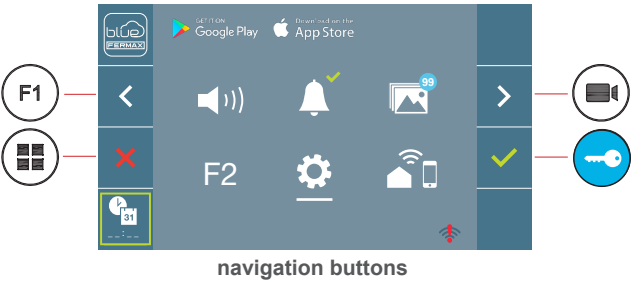
1. Press the MENU button  to access the User Menu.











2. Whilst on the User Menu, press the following buttons simultaneously:



2. PROGRAMMING: NAVIGATION BUTTONS AND MONITOR PUSH-BUTTONS



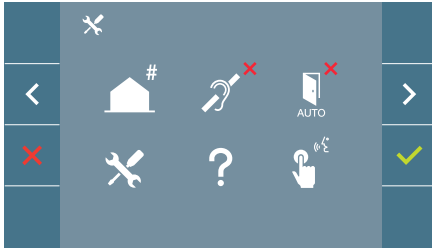
The icons displayed on the screen (*navigation buttons*: , ,  and ), are controlled via the corresponding push-buttons located on the monitor:

- : Return to the previous screen or stand-by.
- : Select the previous option from the menu.
- : Highlight the next option on the menu.
- : Confirm the selection and activate the function.

Notes:

- The white line at the bottom of the icon indicates the function that is currently in effect. This may be selected by pressing.
- The monitor exits the programming dialogue automatically after 60 seconds of inactivity.

3. PROGRAMMING: ADMINISTRATOR MENU Screen



There are several options:

1. Monitor address programming.
2. Induction loop.
3. Doormatic.
4. Reset settings.
5. About.
6. Conversation mode
7. Premium video mode (dual channel)

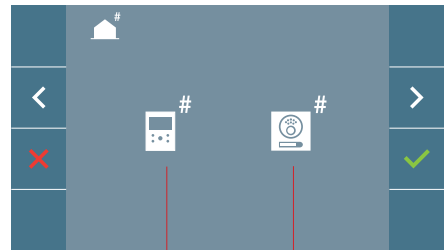
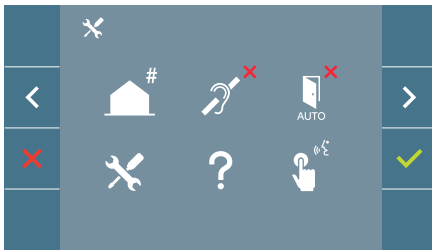
3.1 ADMINISTRATOR MENU: Monitor address PROGRAMMING

The monitor will not function if it has not been programmed!

Note: The blue LED, when blinking slowly, indicates that the monitor is not programmed - once the monitor address is programmed this will be indicated by a continually lit red LED.

There are three options for programming the monitor from:

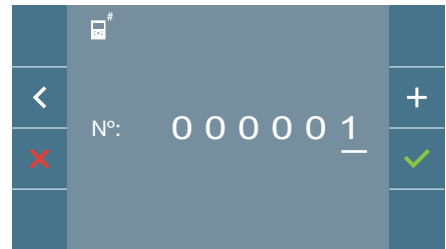
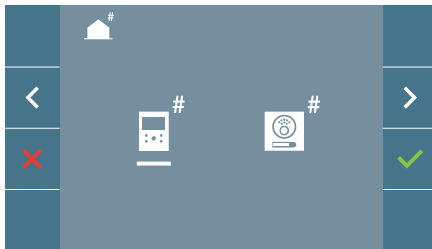
- A) From the Monitor.
- B) From the Panel
- C) From the Doorbell.





From Monitor From Panel

A) From the Monitor.

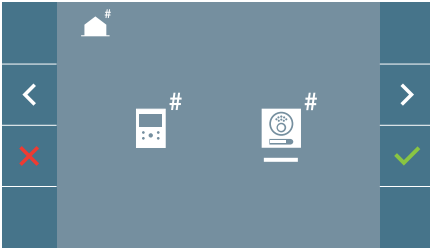
It is possible to program the monitor using the on-screen menu.



Programming the call number: Press  on the screen and access the screen to program the dwelling number (*numbers from right to left*).

Each time you press **+**, the number increases (*starting at 1*) and the **arrow** is used for scrolling. A white cursor indicates the entry position of the digit. Programme the corresponding number and accept it using . Once the monitor address has been programmed, this will be indicated by a continually lit red LED.

B) From the Panel



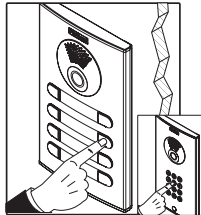
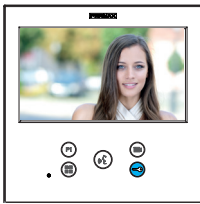
Option selected by the white line below the icon. Pressing this ✓ will cause a beep to be heard on the monitor.

The monitor is automatically connected to the outdoor panel by activating the camera. Enter the calling code for that monitor from the panel. Depending on the type of panel installed:

- By pressing the corresponding button
- By entering the code + bell.

Notes:

- *The period between the monitor programming entry confirmation beep and the call from the panel to program the monitor address must be less than 2 and a half minutes.*
- *The panel from which the programming takes place must be designated as the master panel.*



A different ring tone is produced, confirming the programming of the monitor, and the camera image continues to be displayed. After a few seconds, the monitor will return to the rest position. Once the monitor address has been programmed, this will be indicated by a continually lit red LED.

C) From the Doorbell.

The monitor address can also be programmed – via the entrance doorbell .

For this type of operation, the monitor must not be previously programmed.

Press and hold the doorbell for 5 seconds, and you will hear a beep confirming access to the monitor's programming mode.

The monitor is automatically connected to the outdoor panel by activating the camera. Enter the calling code for that monitor from the panel, depending on the type of panel installed:

- By pressing the corresponding button.
- By entering the code + bell.

A different ring tone is produced, confirming the programming of the monitor, and the camera image continues to be displayed. After a few seconds, the monitor will return to the rest position. Once the monitor address has been programmed, this will be indicated by a continually lit red LED.

Notes:

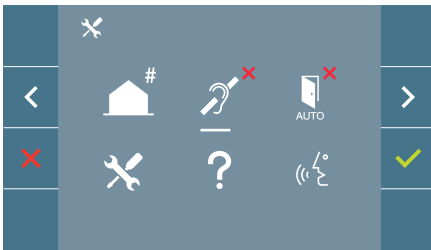
- The period between the monitor programming entry confirmation beep and the call from the panel to program the monitor address must be less than 2 and a half minutes.
- The panel from which the programming takes place must be designated as the master panel.

3.2 ADMINISTRATOR MENU: INDUCTION LOOP

From this screen, you can enable or disable the induction loop included in the monitor (according to model).

This screen appears on all monitor models, whether or not the induction loop is included.

Please ask for the appropriate model if you require this function.



To activate/deactivate the function you must select the icon and press Confirm ✓. By default, the loop is switched off, even in models in which the loop is included.

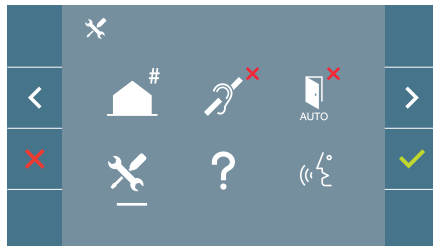
3.3 ADMINISTRATOR MENU: DOORMATIC (depending on configuration).

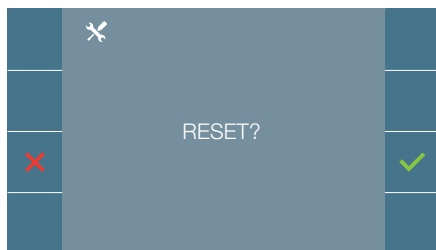
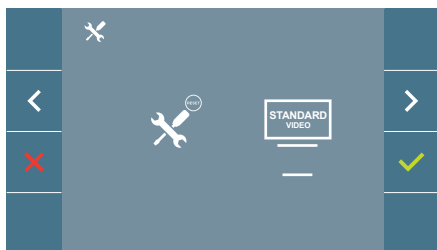
3.4 ADMINISTRATOR MENU: RESET SETTINGS

The installer can reset the parameters to restore the monitor to the factory default settings, by selecting and confirming the appropriate option.

The reset affects the user's configuration parameters, the monitor address and the activation status of the induction loop (if the model has one).

An installer reset returns the status of the monitor to unpaired (disconnected from the Internet).

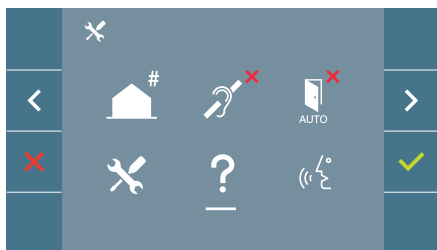




Note: A blue LED, blinking slowly, indicates that the monitor is not programmed. As the reset process erases the programmed monitor address, when the LED is flashing it will indicate that the reset is finished.

3.5 ADMINISTRATOR MENU: ABOUT

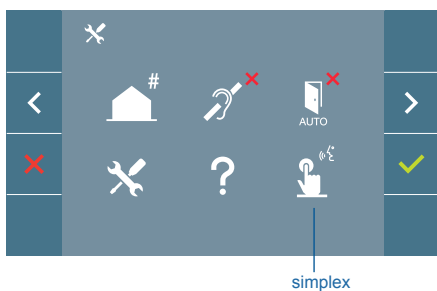
A QR code is displayed on the screen that allows access to the complete monitor documentation.



3.6 ADMINISTRATOR MENU: CONVERSATION MODE

Within the administrator menu, you can select between Simplex and Hands-Free mode. By selecting the icon in conversation mode and pressing the icon ✓ you may change from one mode to another.

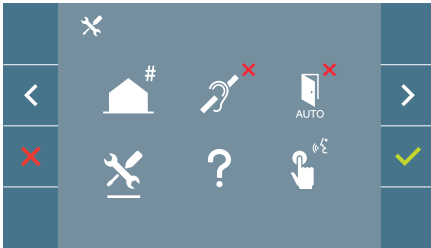
Simplex Mode: Push the audio activation button to talk (🗣️), release to listen.



Hands-free mode is selected by default, [see chapter Operation: Answering a call](#).

Note: In both cases, you can pick up and hang up the receiver with a short press of the button (🗣️).

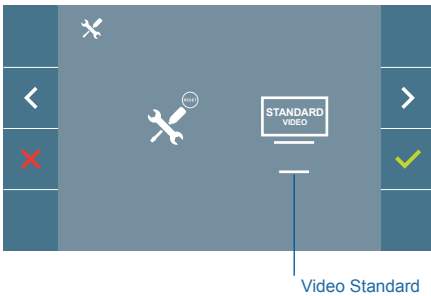
3.7 ADMINISTRATOR MENU: PREMIUM VIDEO MODE (DUAL CHANNEL)



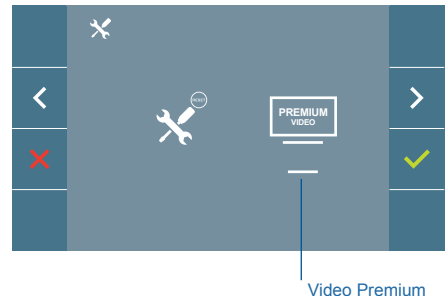
In the administrator menu you can select between premium video mode (selected by default) and standard video mode (single channel). Selecting the service icon and pressing the icon ✓ accesses the menu that allows you to change the option.

Premium Video Mode: Activated by default, it uses multi-channel communication to provide better image quality.

Standard Video Mode: When this mode is activated, the video will use only one communication channel for transmission.




Video Standard

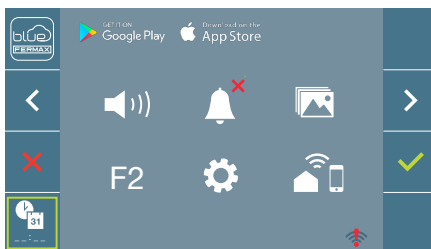


Video Premium

Note: Premium video is only available with compatible amplifiers. If this amplifier is not available, the video quality will be standard.

4. PROGRAMMING: USER MENU Screen

Pressing the MENU  button directly accesses the User Menu screen if the monitor is programmed.

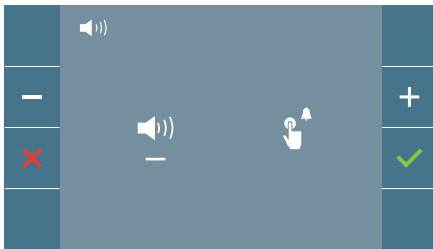
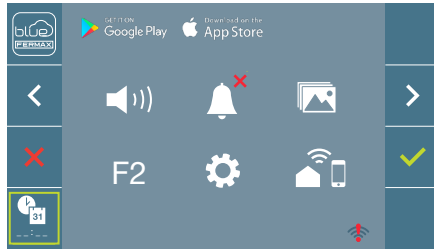


There are several options:

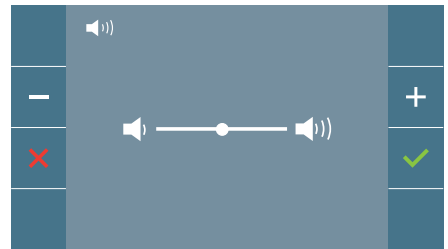
1. Monitor volume settings
2. Do Not Disturb function
3. Display images
4. F2 Function
5. User parameter settings
6. WIFI connectivity. Pairing

4.1 USER MENU: MONITOR VOLUME SETTINGS AND DOORBELL MELODIES.

It is possible to adjust the volume of the ringtone within a range of ten possible values.



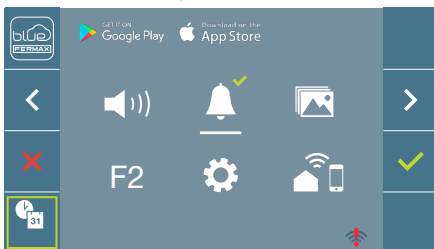
Move the cursor to left or right to choose where the volume to modify is the volume of the monitor upon a call (left option) or upon the activation of the doorbell (right option).



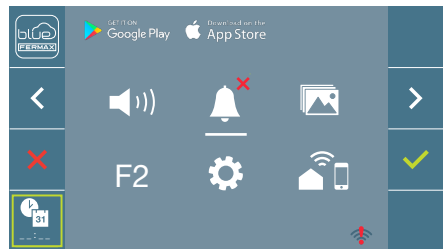
The melody currently chosen will start ringing. It would be possible to increase (+) or reduce (-) the volume with the navigation buttons, once selected, please confirm with (✓).

4.2 USER MENU: DO NOT DISTURB MODE

This icon allows you to enable/disable the Dial Tone (*Do Not Disturb*).



Press the icon ✓ to change the selection. By default normal operation is selected (*The call is heard*).

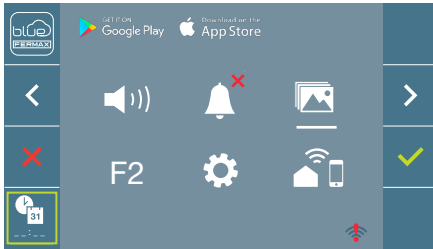


The red LED on the monitor blinks slowly when the Do Not Disturb mode is active.

Note: If the Do Not Disturb mode is active, you may reactivate the call via this screen or by sliding the potentiometer to any position other than the minimum.

4.3 USER MENU: DISPLAY IMAGES

This icon allows you to view images that have been automatically captured and delete them. For more information [see Chapter Operation: Image Display](#).



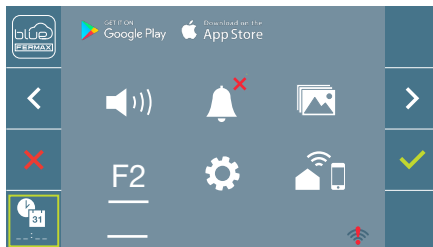
4.4 USER MENU: F2 FUNCTION

The F2 function sends an activation command to activate an auxiliary device.

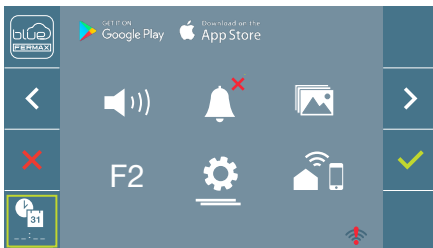
An on-screen notification of the action will be shown: F2 ON for 3 seconds.

This function is contained in the main screen of the user menu.

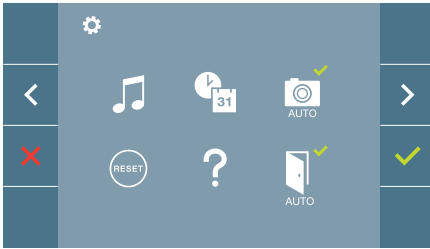
The F2 command is sent by the bus, including the monitor address, to activate the auxiliary devices connected to the bus, such as for example a duox plus relay, (*check with your installer*).



4.5 USER MENU: USER PARAMETER SETTINGS

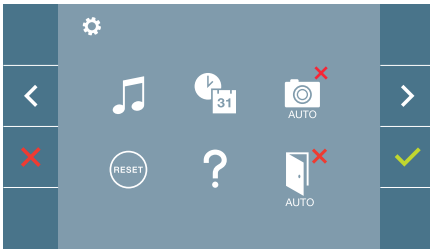


Within the user menu, selecting the option "User parameter settings" will access a new screen corresponding to the various configuration parameters:



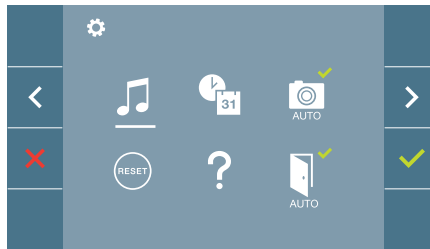
The parameters are the following:

1. Melody selection
2. Date and time settings
3. Enable/disable image capture
4. Reset the configuration parameters
5. User help
6. Enable/Disable Doormatic



Note: In this screen you can see the image capture and Doormatic parameters disabled.

4.5.1 User parameter settings: MELODY SELECTION

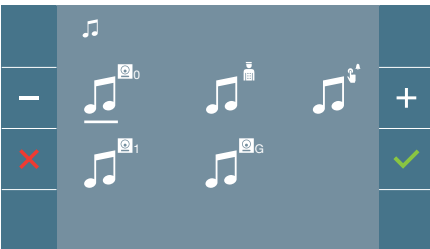


The monitor allows for selection of different melodies for the panels, the guard unit and the doorbell. The panels are:

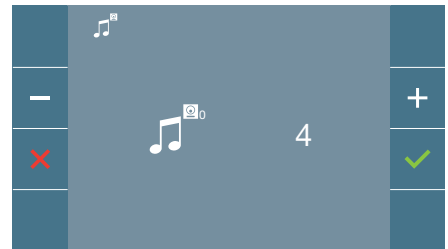
- Panel 0, monitor block.
- Panel 1, monitor block.
- Panel 0, General Entrance.

You may assign up to 6 different melodies.

a) Panel melody selection Panel 0, monitor block



By selecting this option, you can change the melody you hear on the monitor when a call is made from the outdoor panel 0 of the monitor block.



Once you have selected the option, you will see and hear the current melody, and by pressing the + or - button you can continue selecting and listening to the various melodies available on the monitor.

Panel 1, monitor block

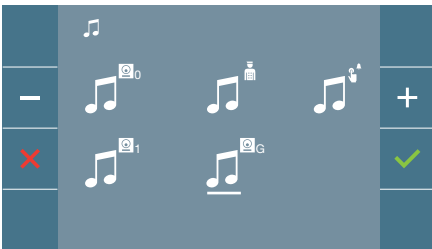


By selecting this option, you can change the melody you hear on the monitor when a call is made from the outdoor panel 1 of the monitor block.

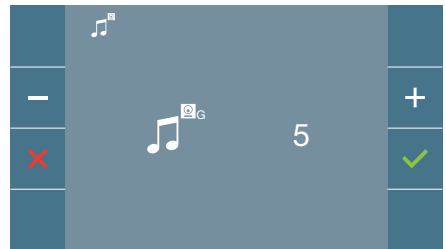


Once you have selected the option, you will see and hear the current melody, and by pressing the + or - button you can, continue selecting and listening to the various melodies available on the monitor.

Panel 0, General Entrance

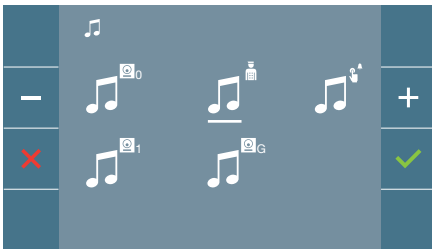


By selecting this option, you can change the melody you hear on the monitor when a call is made from the outdoor panel 0 of the General Entrance.

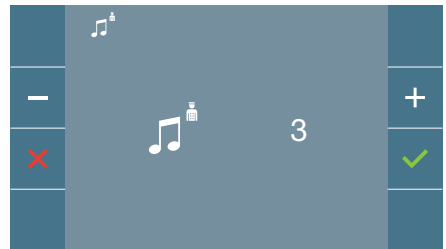


Once you have selected the option, you will see and hear the current melody, and by pressing the + or - buttons you can listen to and select the various melodies available on the monitor.

b) Concierge melody selection

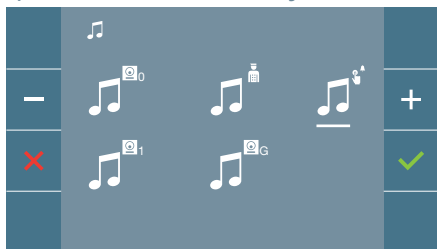


By selecting this option you can change the melody that you hear on the monitor when the concierge calls that monitor.

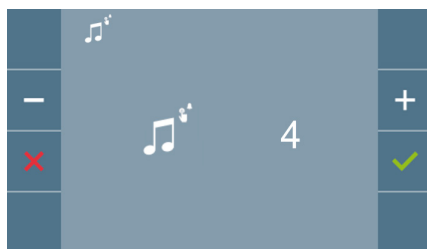


Once you have selected the option, you will see and hear the current melody, and by pressing the + or - button, you can continue selecting and listening to the various melodies available on the monitor.

c) Selection of the melody for the doorbell.



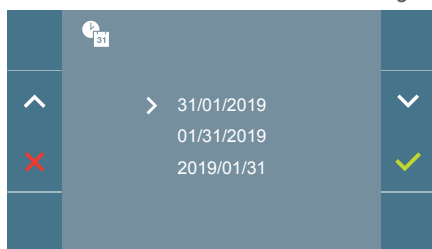
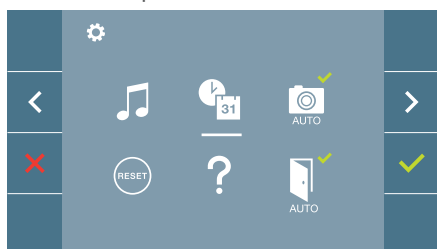
Selecting this option it's possible to select the melody that will ring when the visitor press the doorbell, if it has been previously connected to the monitor.



Once you have selected the option, you will see and hear the current melody, and by pressing the + or - button, you can continue selecting and listening to the various melodies available on the monitor.

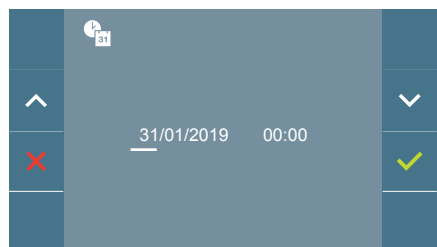
4.5.2 User parameter settings: **DATE AND TIME SETTINGS**

The WIFI monitor automatically synchronizes the time with the time zone where it is installed whenever it is paired and connected to the Internet. In this case the date and time cannot be changed.

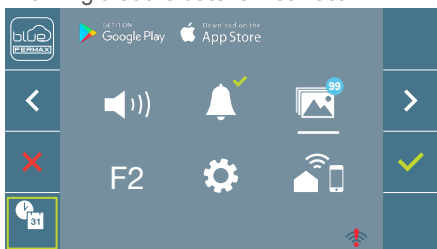


The monitor allows you to adjust the date and time.

Via the navigation icons, you can change the date and time settings and browse the same. Press the icon ✓ to confirm the selection.



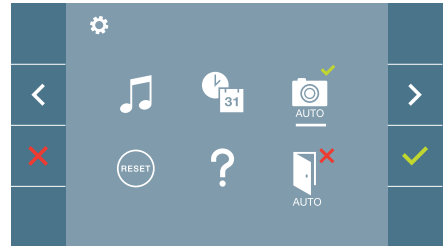
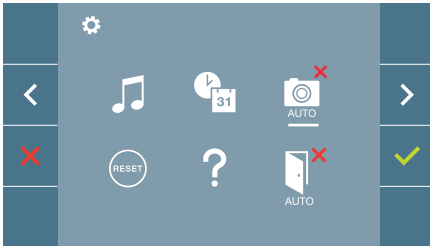
If the power supply is cut off for any reason, the date and time settings will reset to the default configuration (31/01/2019). An icon will appear on the user menu and on the video display warning that the date is incorrect.




Notes:

- You are not permitted to validate an incorrect date and time.
- Holding down the navigation icons  -  will cause the numbers to change more quickly.

4.5.3 User parameter settings: ENABLE/DISABLE IMAGE CAPTURE



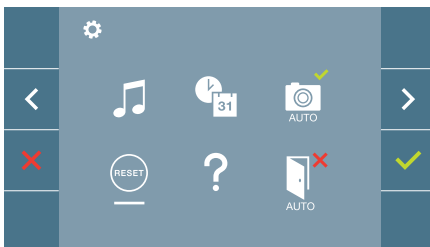
With this option, you can enable or disable the automatic capture of images. Select the image capture icon and press confirm  to activate or deactivate it.

The monitor can take an automatic picture within 3 seconds of receiving a call from an outdoor panel. According to the European Union legislation about data protection ((EU) 2016/679), the capture of images may be restricted. This feature is deactivated by default in all monitors, although can be activated at your own responsibility.

Furthermore, the legislation may force to place a sign next to door stations, indicating that monitors can capture images. You can download it at <https://www.fermax.com/intl/en/corporate/utilities.html>.

4.5.4 User parameter settings: USER RESET

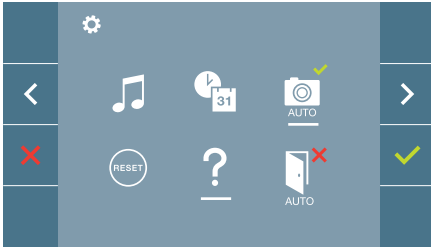
With this option you can reset all settings to factory default values, keeping the address already programmed into the monitor and the same induction loop activation status. Selecting and confirming the option.



If you want to perform a reset, confirm the option.

4.5.5 User parameter settings: **HELP**

The screen will display a QR code that allows access to a promotional link that explains in detail the digital DUOX PLUS system that Fermax has created.

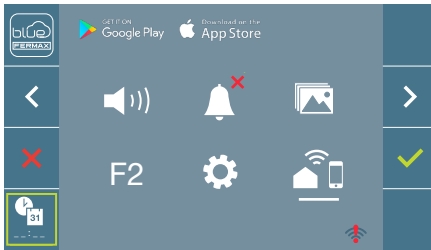


4.5.6 User parameter settings: **ENABLE/DISABLE DOORMATIC**

(According to configuration).

4.6 USER MENU: **WIFI CONNECTIVITY. PAIRING.**

To use the **call forwarding** service, the user must have a DUOX PLUS FERMAX home terminal (VEO or VEO-XS WIFI monitor) in their home, wireless access and Internet connection. [See Operation chapter: Pairing. Call forwarding.](#)



By default, the monitor is not connected to the Internet. The tenant must configure the domestic WIFI for use on the monitor with the help of the Blue App.

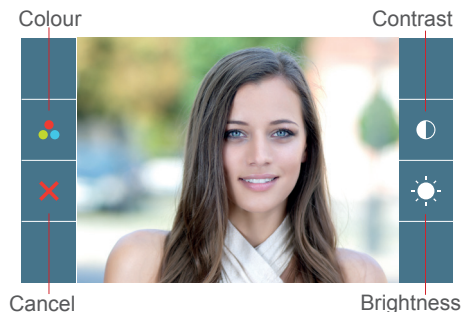
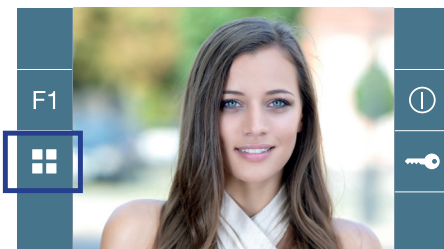
Note: The DUOX PLUS monitor is only compatible with 2.4GHz WIFI.

5. SETTINGS: VIDEO AND AUDIO

5.1 SETTINGS: VIDEO SETTINGS: **BRIGHTNESS - CONTRAST - COLOUR**

The monitor allows you to adjust the brightness, contrast and colour while a call is incoming (*communication not established*) or when auto-on is in progress (📹 (camera)). [See Chapter Operation: Auto-on.](#)

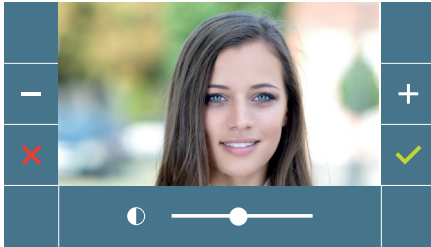
While the video image is on the screen, you may press the button briefly (☰ (Menu)) to display a shortcut menu allowing adjustments to the brightness, contrast, and colour of the image.



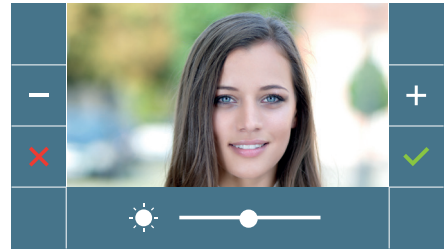
1. Select the contrast, brightness and colour settings with the corresponding buttons.

The audio can also be activated from these screens (*establish communication*).

Note: You will have 30 seconds to change the Video Settings, and when this time is up the monitor will return to idle mode.



Contrast




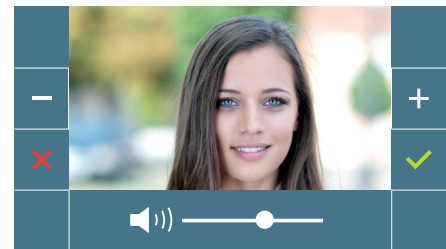
Brightness



Colour

5.2 SETTINGS: AUDIO SETTINGS

While it is open, the audio channel can be used to adjust the volume of the audio. To make audio adjustments, press the button  (*menu*) and a shortcut menu for that setting will be displayed.



 User Manual: FUNCTIONING

FUNCTIONING

1. FUNCIONAMIENTO: PAIRING. Call forwarding.

The VEO XL WIFI DUOX PLUS monitor allows access to new Fermax services, such as call divert, through its own cloud. To use this service, the monitor must first be connected to the Internet through a pairing process.

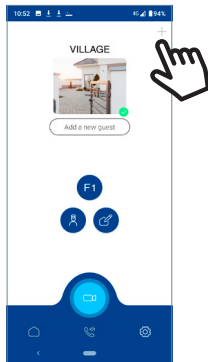
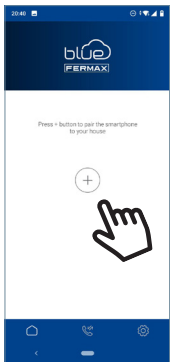
To do this, use the Blue app, which is available on Google Play or the Apple App Store.

Monitor settings. Pairing process.

The monitor pairing process, using the Blue app, can begin once the user has registered and logged in.

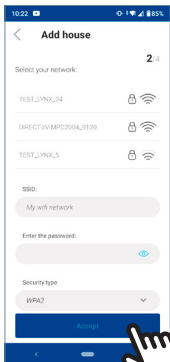
The DUOX PLUS monitor is only compatible with 2.4GHz WiFi.

How to connect the monitor to the Internet.

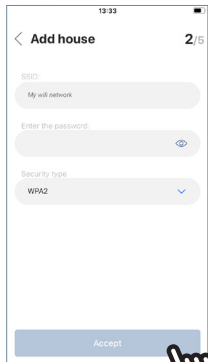


1 Open the application and log in.

2 Click on the button **+** in the middle of the default screen, or in the top right if there are already some properties listed.



Android



iOS

3 The user will need to select the desired WiFi network to connect the monitor.

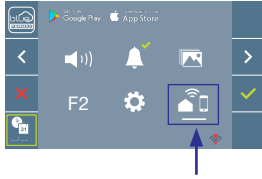
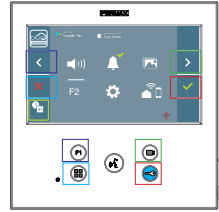
Select (if using Android) or enter (if using iOS) the desired SSID (network name), enter the correct password to connect and click ACCEPT.

4 The user will then need to open the monitor's connectivity menu:



4b Relationship between buttons and navigation menu. The white line below the icon shows which function is currently selected.

4c Select the connectivity menu on the monitor.



6 A QR code will show on the monitor screen.

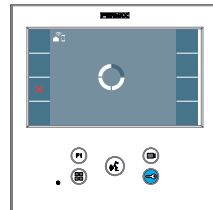
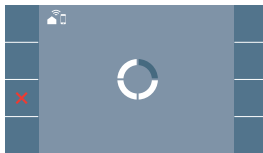
A MAC code is provided on screen in case the WiFi router uses MAC filtering.



7 The application will be ready to scan that code. Point your mobile phone at the QR code on the monitor screen so the code is within the green square on the mobile screen.

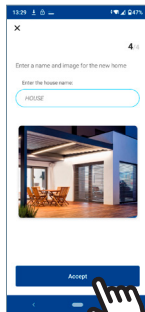
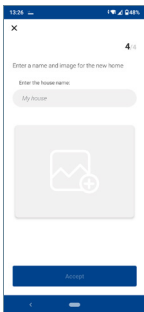


8 The application and monitor will begin to synchronize. The white WiFi LED on the monitor will start flashing.

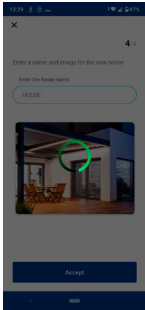


9 The screen to add a property will appear:

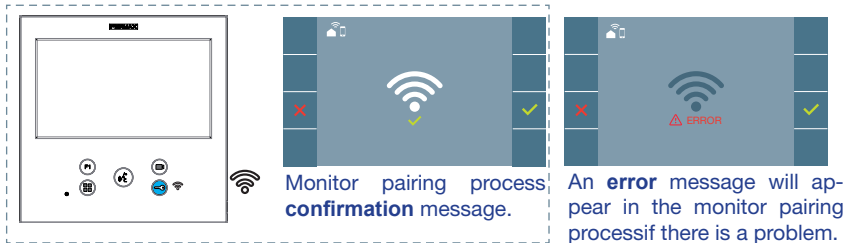
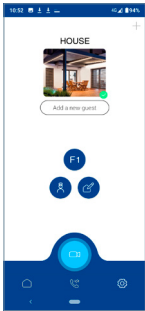
- Name
 - Image (optional)
- Enter data and press ACCEPT.



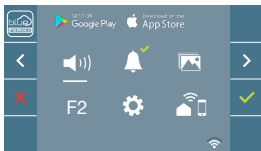
- 11 If the WiFi network and credentials provided are correct, the monitor will connect to the Internet and the process will have been completed successfully.



- 12 The application will show the new linked house as available and connected (green tick ✓) and the monitor will show that connection was successful. The white WiFi led will stay now stay on. 📶



- 13 Once connected, the WiFi signal strength will appear in the bottom right of the monitor user menu.



WiFi signal strength icons displayed in the menu:



Between 0% and 20% or monitor not paired.



Between 20% – 40%



Between 40% – 60%

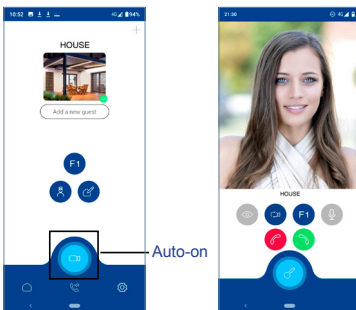


Between 60% – 80%



Between 80% – 100%

- 14 To test the call divert function, the user can select auto-on and see whether it connects to the outdoor panel, (as long as it is not in use).





Note: This section goes through the most basic steps in quick commissioning. For more information, please download the **DUOX PLUS Blue mobile application manual**, code: **970156** at **www.fermax.com**.


2. FUNCTIONING: ANSWERING A CALL Receiving a call.

A) Hands-free mode:

When you press the call button on the **Outdoor Panel**, a calling tone will be made on that panel and on the monitor, and the screen will switch on. When you receive a call, you have 30 seconds to answer before the device returns to idle. During this time, the red LED will turn off to indicate that you have a call waiting.


Press the button  to speak with the visitor. The outdoor-indoor audio channel is opened, **operating in hands-free mode**. The blue LED lights up to indicate that you are in conversation with the outdoor panel and everything you say will be heard on it. The LED will stay on (*blue*) throughout the conversation.


Communication will end automatically after 90 seconds, or whenever the button is pressed . When communication is finished, the blue LED will turn off again and the red LED will come on.


When you receive a call from the outdoor panel, it is possible to open the door at any time by pressing and holding the button .

(B) If set up in simple conversation mode (Push the audio activation button to talk , release it to listen).

When you press the call button on the **Outdoor Panel**, a calling tone will be made on that panel and on the monitor, and the screen will switch on. When you receive a call, you have 30 seconds to answer before the device returns to idle. During this time, the red LED will turn off to indicate that you have a call waiting.

Press the button  to speak with the visitor, while the audio channel is active. Simple mode is indicated because the LED intermittently remains blue.

From this point onwards, each time you press the button , the output audio channel is activated (*constant blue LED light*) and releasing it will reactivate the input audio channel (*flashing blue LED*), **with operation being in simple mode**.

Communication will end automatically after 90 seconds, or whenever the button is pressed . When communication is finished, the blue LED will turn off again and the red LED will come on.

Notes:

- If there are several monitors / telephones in the same dwelling, only the first that establish communication will receive audio, with the other monitors / telephones returning to idle mode. Trying to pick up any of them will result in a 'line busy' tone.
- If communication is not established with the outdoor panel, the monitor will switch off automatically after 30 seconds.

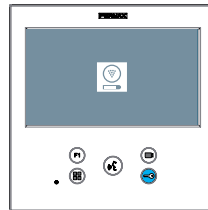
2.1 Video call.

Should the apartment receive a call from a video panel, the monitor will display the video captured by the camera in the outdoor panel.



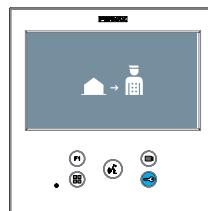
2.2 Audio call.

Should the apartment receive a call from an audio panel, the monitor will display the following screen:

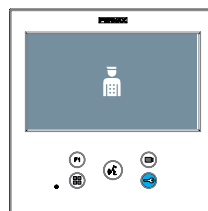


2.3 Calls to concierge.

If a monitor is configured in MIXED or DAY mode, pressing the door lock button while it is on standby will initiate a call to the last guard unit that configured it in this mode. The monitor screen will display the following image and a ringing tone will sound.



If you receive a call from the concierge on the indoor monitor, the following image will be displayed:



3. FUNCTIONING: **ACTIVATING THE MONITOR MANUALLY (AUTO-ON)**

With the monitor on standby, press the  (camera) button to turn the monitor on manually.

The total timings for preview without audio (30 seconds) and conversation (90 seconds) stay the same, even if you change cameras.

Auto-on on standby:

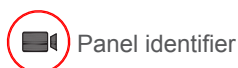
1. If the previous call from the panel ended less than 15 seconds ago, the panel will be called again: **R.**




2. If the previous point does not occur, auto-on begins with the different panels visible on the monitor.

Press panel 0, panel 1, general panel in sequence (depending on the availability of panels).

- 1 Panel 0 or camera 0 of the monitor block.
- 2 Panel 1 or camera 1 of the monitor block.
- 3 Panel 0 or camera 0 of the General Entrance.



Once communication with a panel is established, you can change it by pressing the  button (camera).

Auto-on in incoming call state:

1. If the call corresponds to a panel in the sequence described in the previous point, the auto-on will begin for the next panel in the sequence.
2. If the call is NOT from a panel, auto-on will begin with block panel 0, (depending on panel availability), and follow the sequence:



1 Panel 0 or camera 0 of the monitor block



2 Panel 1 or camera 1 of the monitor block



3 Panel 0 or camera 0 of the General Entrance

Notes:

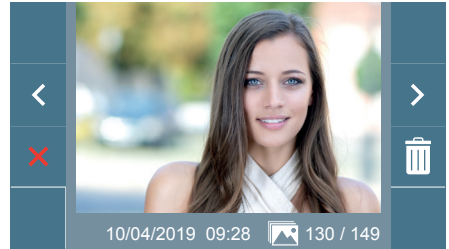
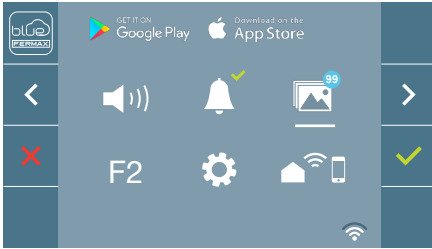
- Auto-on only works with suitable panels. If you are unable to effect auto-on, please consult your installer. If it is unable to connect to any of the three possible panels, the monitor will issue an error tone and return to its idle state.
- Once a conversation with a panel is over, pressing the auto-on button within the following 15 seconds will reconnect you to that panel.
- In the case of auto-on without audio, if the door is opened within 5 seconds, the call will end.
- Various cases of a second monitor performing an auto-on can be distinguished:
 - o The first monitor is in auto-on mode, and has not established a conversation with audio: in this case, the second monitor cannot perform an auto-on.
 - o The first monitor has performed an auto-on and has established an audio conversation: the auto-on can begin.
 - o In any case, when the first monitor's conversation or auto-on with video only ends, the second monitor may perform an auto-on.

4. FUNCTIONING: IMAGE DISPLAY

Function allowing you to see all images captured. The image capture function must be pre-selected. *See chapter 4.5 User Menu - 4.5.3 Activation/Deactivation of images.*

When a call is made from the outdoor panel, (the image capture function must be pre-selected), a photo is automatically taken 3 seconds later and stored in the memory.

Note: The maximum number of images that can be stored is 150, if a new image is stored while the memory is full, the oldest image will be erased.



Select the icon  to display the various photos taken.

The most recent image will be displayed with the date, time and the photo number.

A contextual menu will appear:



: To select/view the photos stored.






: To clear images.

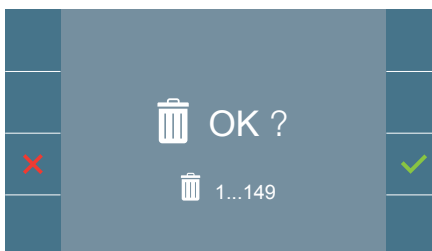


: To cancel and go to the previous screen.

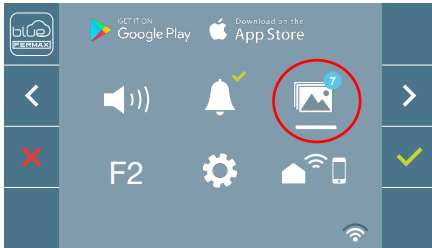


If you press the Erase option  you will be taken to the delete confirmation screen, and by pressing the confirmation icon  the selected picture will be deleted. The user can navigate through the saved photos, even when the confirmation window is active.

Note: If you press the confirm icon  for 5 seconds, all images can be deleted upon confirmation.



If there are image captures that have not been displayed by the user, notifications will appear on the user menu icon and on the video screen.




The image display icon changes, showing a blue circle with the number of images that may be displayed (maximum 99). The circle will deduct the number of images displayed by the user.



When a call is made, you will be informed that there are unviewed photos, although how many will not be specified.



If the power supply is cut off for any reason, the date and time settings will reset to the default configuration (01/01/2019).

If an image is captured without setting the date and time first, this icon appears when the image is displayed,  indicating that the date and time settings that appear next to the image are not correct.



The device you have purchased is identified under Directive 2012/19/EU on waste electrical and electronic equipment. More info:





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