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**homes** with the **world**

# Way-Fi Plus Advanced Manual



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Created by:

International Technician  
Nervinson Castillo

Cod. 970288



Figure 1 - Figure 1

FERMAX is a Spanish family-owned company based in Valencia, Spain.

Founded by Mr. Fernando Maestre in 1949, the company has specialised in electronic door entry, video door entry, home automation and access control systems and has become a leader in the national market, the largest exporter of this equipment in Spain and a benchmark brand throughout the world.

Fermax currently has 7 subsidiaries in Belgium, China, France, Poland, United Kingdom, Singapore and 4 representative offices in Colombia, Dubai, Portugal and Turkey.

And an International Distributor Network in more than 70 countries, which means that millions of people around the world are enjoying our equipment".

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# 1 WAY-FI PLUS ADVANCED MANUAL

## 1.1 Main features.

### 1.1.1 Indoor Monitor

- 7" capacitive touch screen monitor, 1024 x 600 pixel resolution
- Aspect ratio 16:9
- Wide viewing angle (IPS LCD).
- The user interface supports swipe operations.
- Maximum of 2 door stations, 1 master monitor + 3 slave monitors, 1 buzzer button.
- Internal flash memory and Micro SD card (not included) for image and video recording (videos only with SD card). Maximum capacity up to 128 GB.
- Automatic and manual image and video recording (see your country's privacy policy).
- Do Not Disturb function
- Addressable call for intercommunication between monitors
- 16 selectable melodies
- **Up to 16 languages**
- Adjustable tone and call volume
- Adjustable brightness, colour and contrast
- Integrated WIFI antenna for call forwarding to mobile phone.
- Connection of additional cameras via cable or WIFI.

### 1.1.2 Street Plaque

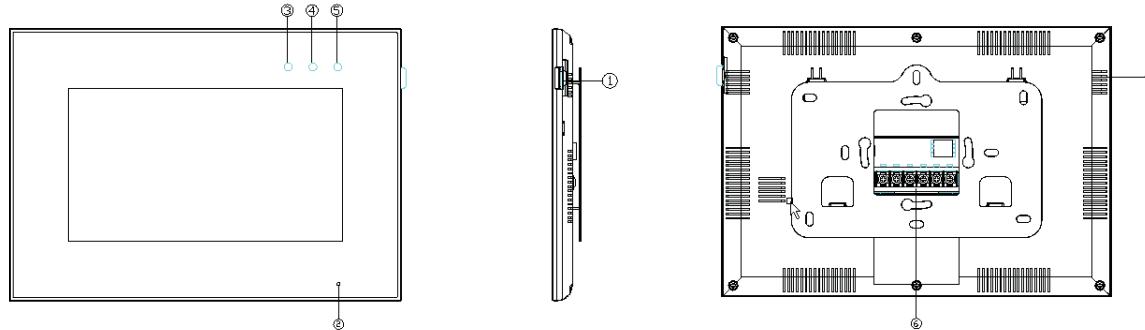
- Surface mounted installation
- Wide-angle camera (120°H, 80°V)
- Water and dust protection (IP44)
- Vandal protection (IK07)
- Adjusting the speaker volume
- GC2053 CSP CMOS Camera
- White LED lighting with automatic sensor
- Nameplate and call button with backlighting
- Rain cover included
- Opens electric strikes and automatic doors

### 1.1.3 Power supply

- Universal AC input (100-240 V AC 50/60 Hz)
- Supports overcurrent and short-circuit protection
- DIN rail mounting

## 1.2 DESCRIPCIÓN DE LOS ELEMENTOS / DESCRIPTION OF ELEMENTS / DESCRIPTION DES ÉLÉMENTS / BESCHREIBUNG DER BESTANDTEILE / DESCRIÇÃO DE ELEMENTOS

### 1.2.1 Monitor Interior / Indoor monitor / Moniteur intérieur / Innenmonitor / Monitor interno

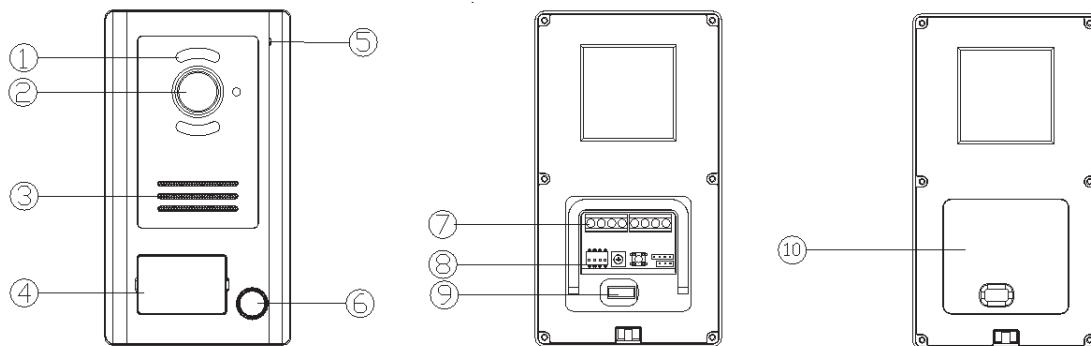


#### Monitor interior / Indoor monitor / Moniteur intérieur / Innenmonitor / Monitor

NO.	Nombre de la pieza / Part Name / Part Name / Teilname / Nome da Peça	Description / Description / Description / Beschreibung / Description
1	MicroSD card slot Micro SD Card Slot Lecture carte SD Micro Backplate for micro SD card Micro SD card slot	MicroSD card slot (8-128 GB) Socket for micro SD card (8-128 GB) Micro SD card slot (8-128 GB) Backplate for micro SD card (8-128 GB) Micro SD card slot (8-128 GB)
2	Microphone Microphone Microphone Mikrofon Microphone	Captures the user's voice Capture voice from the user Capture user voice Erfasst die Stimme des Benutzers Captures the voice of the user
3	Power indicator Power Indicator Current indicator Betriebsanzeige Power indicator	White LED when on White led when power on Led blanche quand le courant passe Weiße LED leuchtet, im Betrieb Led branco quando ligado
4	Do not disturb mode indicator Do not disturb mode Indicator Indicateur Ne pas déranger Anzeige für "Nicht stören" Modus No discomfort mode indicator	LED purple when the DND function is on Purple led when DND function enabled Led flashing when DND function is activated Lila LED leuchtet bei Aktivierung des "Nicht stören" Modus Led red when DND function is activated
5	Image indicator Image indicator Indicateur image Bildanzeige Image indicator	Green LED when there are new images/videos Green led when new pictures / videos Led verte quand il y a de nouvelles photos / vidéos Green LED lights in new pictures / videos Green LED when new photos/videos are taken
6	Connector Connector Connecteur Anschlussklemme	Interface for bus, buzzer and F1 Interface for bus, doorbell and F1 Interface for bus and input button Data and data cable system

	Connector	Interface for bus and campainha
7	Speaker	Plays visitors' voices and ringtones
	Speaker	Play voice from visitor & call tones
	Speaker	Reproducteur voix visiteur et tonalités d'appel
	Lautsprecher	Sprach- und Ruftonwiedergabe
	Altifalante	Play visitor's voice and call tones

### 1.2.2 Placa de calle / Outdoor station / Platine de rue / Türstation / Botoneira de rua



No.	Nombre de la pieza / Part Name / Nom pièce / Teilname / Nome da Peça	No.	Nombre de la pieza / Part Name / Nom pièce / Teilname / Nome da Peça
1	LED for night vision LED for night vision LED for night vision LEDs for lighting LED for night vision	6	Call button Call button Bouton appel Klingeltaste Call button
2	Camera Camera Caméra Kamera Câmera	7	Connector Connector Connecteur Anschlussklemme Connector
3	Speaker Speaker Speaker Lautsprecher Altifalante	8	Switch Switch Commutateur Schalter Switch
4	Card holder Nameplate Plaque identification Namensschild Identification plate	9	
5	Microphone Microphone Microphone Mikrofon Microphone	10	Rain cover Rain cover Couvercle pluie Regendach Protection against bluetongue

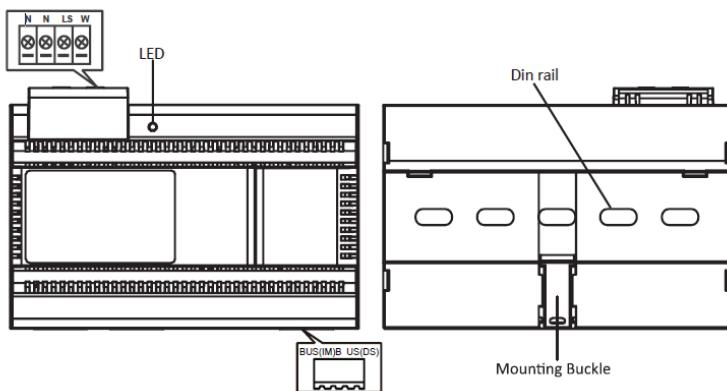
### 1.2.3 Suministro eléctrico del sistema / System power supply / Alimentation électrique du système / Stromversorgung / Fonte de alimentação do sistema

**N, L: AC input**

**LED: Power indicator**

**BUS(IM):Internal Monitor Connection Terminal**

**BUS(DS):Connection terminal of the board**



**N, L: AC input**

**LED: Power indicator**

**BUS(IM): Indoor monitor connection terminal**

**BUS(DS): Door station connection terminal**

**N, L : Entrée CA**

**LED : Power indicator**

**BUS(IM): Terminal de branchement du moniteur intérieur**

**BUS(DS): Terminal de branchement de la platine de rua**

**N, L: AC-Eingang**

**LED: Betriebsanzeige**

**BUS (IM): Anschlussklemme für Innenmonitor**

**BUS (DS): Anschlussklemme für Türstation**

**N, L: AC input**

**LED: Power indicator**

**BUS(IM): Internal monitor connection terminal**

**BUS(DS): Terminal de conexão da botoneira de rua**

### 1.2.4 Wiring diagrams

We put up the diagrams of the quick guide.

We add a note of the maximum capacity supported by the source between monitors and panels.

We have added the distance tables with the cable types.

Add note that the cameras (both Wifi and wired) have to be powered by a separate power supply.

The wired cameras come with the ethernet adapter (REF F01574) connected to the data bus.

Add the dipswitch configuration in the diagram where there are 2 boards.

The doorbell push button is placed on the interior door. When a visitor presses the doorbell push button, the monitor will ring inside the house, alerting you to the visitor's presence.

The exit push button is placed on the inside of the door. When a person presses the exit button, the electric lock release will be activated for the time it is pressed (there is no internal timer).

The doorbell button is placed in the inner door. When a visitor presses the doorbell button, the monitor will ring inside the house, alerting on the presence of the visitor.

The exit button is placed inside the door. When a person presses the exit button, it will activate the electric lock during the time it is pressed (no internal timing).

The entry button is located on the inside door. As soon as a visitor presses the entry button, the monitor sounds in the house to indicate the presence of the visitor.

The exit button is located on the inside of the door. As soon as a person presses the exit button, the electric lock is activated as long as the button is pressed (duration not set internally).

If a visitor is interested in the roof, the monitor in the house will be activated in order to make the visitor aware of the roof.

The exit door is located inside. If you press the exit button, the electric switch will be activated for a long time until the button is released.

The campaign button is placed on the internal door. When the visitor presses the campaign button, the monitor will play inside the house, alerting to your presence.

The exit button is placed inside the door. When a person presses the exit button, it will activate the electric lock for as long as it is pressed (no internal time).

### 1.2.5 Conexión del abrepuertas eléctrico / Electric Lock Connection / Branchement de l'électro-serrure / Elektrischer Anschluss des Türöffners / Conexão de bloqueio elétrico

**Electric lock release powered by internal power supply (continuous electric lock release).**

**Note:**

1. The opener is limited to 12 Vdc, and the holding current must be less than 250 mA.

**Door Lock powered from the internal power supply (electric lock of direct current). Recommended door opener REF F29588**

**Note:**

1. The door lock is limited to 12Vdc, and holding current must be less than 250mA.

**The door lock is powered by the internal power supply (DC electric lock).**

**Note:**

1. The door lock has a limitation of 12VDC, and the holding current must be less than 250mA.

**Türöffneraktivierung über interne Stromversorgung.**

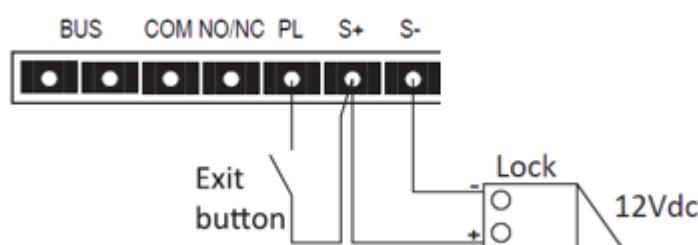
**Hinweis:**

1. The power station supplies 12 Vdc and a maximum of 250mA for the power supply.

**Door lock powered from the internal power supply (DC electrical lock).**

**Note:**

1. The door lock is limited to 12Vdc and the holding current must be less than 250 mA.



**Door opener controlled by relay contact (automatic or electromagnetic door)**

**Note:**

1. An external power supply must be used in accordance with the voltage and voltage of the opener.
2. The opener is limited to 24 V (dc/ac), and the holding current must be less than 3 A.
3. There are two types of door opener configuration:

**Door Lock controlled with relay contact (automatic door or electromagnet)**

**Note:**

1. An external power supply must be used according to the lock voltage and current.
2. The door lock is limited to 24V (dc/ac), and holding current must be less than 3A.
3. There are two lock types configuration:

**Electro-serrure controlled by means of a relay contact (automatic or electro-aiming gate)**

**Note:**

1. Il faut utiliser une alimentation électrique externe conformément au voltage de la serrure et au courant.
2. The door lock has a limitation of 24V (dc/ac), and the maintenance current must be less than 3A.
3. Il existe deux types de configuration de serrure :

## Potentialfreies Relais (automatisches Tor oder Motorriegel)

## Hinweis:

1. Eine externe Stromversorgung muss an die Verriegelungsspannung und Stromstärke angepasst sein.
2. Das Türschloss ist auf 24 V (dc/ac) begrenzt und der Haltestrom muss weniger als 3 A betragen.
3. Es gibt zwei Konfigurationsmöglichkeiten für die Verriegelung:

## Door lock controlled by relay contact (automatic door or remote control) Note:

1. An external power supply should be used in accordance with the voltage and current of the block.
2. The door lock is limited to 24V (dc/ac), and the holding current must be less than 3A.
3. There are two types of blocking configuration:

**Tipo 1:** Alimentar para desbloquear.

Type 1: Power-on-to-unlock.

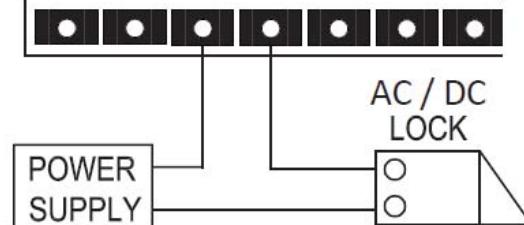
Type 1 : Courant connecté pour ouvrir.

Typ 1: Arbeitsstrom- Funktion: Türöffner schaltet durch, wenn er bestromt wird.

**Tipo 1:** Fonte de alimentação ligada para desbloquear.

**NO**  
JP 1 2 3 jumper position in 1-2

BUS COM NC/NO PL S+ S-



**Tipo 2:** Quitar alimentación para desbloquear.

Type 2: Power-off-to-unlock.

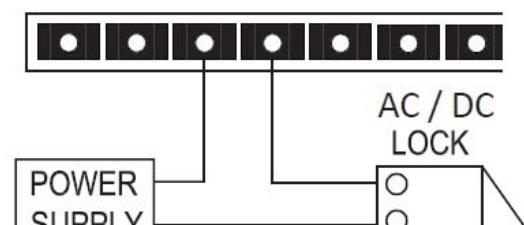
Type 2 : Courant déconnecté pour ouvrir.

Typ 2: Ruhestrom- Funktion: Türöffner schaltet durch, wenn kein Strom anliegt.

**Tipo 2:** Fonte de alimentação desligada para desbloquear.

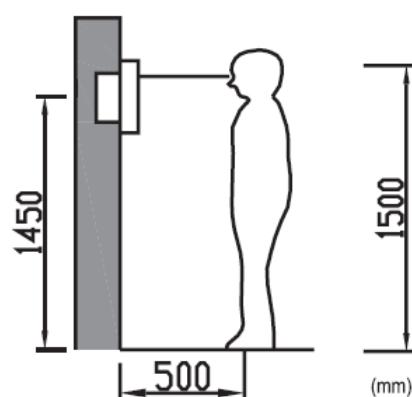
**NC**  
JP 1 2 3 jumper position in 2-3

BUS COM NC/NO PL S+ S-

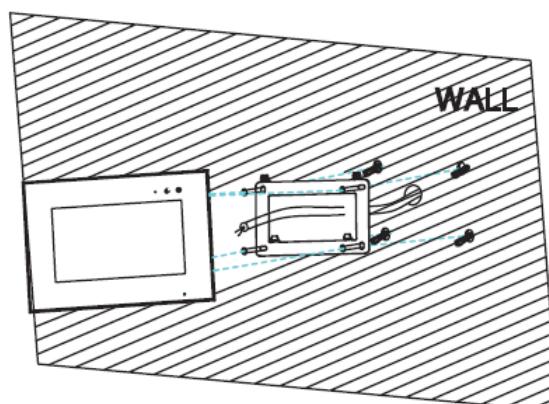


## 1.2.6 INSTALACIÓN / INSTALLATION / INSTALLATION / INSTALLATION / INSTALAÇÃO / INSTALAÇÃO

### 1.2.6.1 Monitor interior / Indoor monitor / Moniteur intérieur / Innenmonitor / Monitor interno



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 1550 mm above the floor.

**Wiring and installation of the indoor monitor**

- 1) Secure the mounting bracket 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 bracket.

**Remark:**

The monitor should be installed away from other electronic devices that may interfere with WIFI connectivity.

**Monitor installation location**

Standard monitor installation height is about 1,600mm where screen centre is at eye level; in this case, wall-hanging metal centre is 1,550mm above ground level.

**Wiring and installation of indoor monitor**

- 1) Fix the mounting bracket on the wall with screws;
- 2) Pull the cable out and connect the system according to wiring diagram;
- 3) Hang the monitor on the mounting bracket.

**Remark:**

Monitor must be installed away from other electronic devices that can interfere the wifi connectivity.

**Emplacement pour l'installation du moniteur**

The standard installation height of the monitor is about 1,600mm, so that the central display is at eye level; in this case, the metal wall mounting centre is 1,550mm from the sun.

**Câblage et installation du moniteur interne**

- 1) Fix the mounting brackets to the wall with the help of vises;
- 2) Remove the cable and connect it to the system, in accordance with the wiring diagram;
- 3) Fasten the monitor to the mounting bracket.

**Remarque :**

The monitor must be installed away from any other electronic device that could affect Wi-Fi connectivity.

**Installation of Monitors**

The standard height for the installation of the monitors is 1,600 mm, so that the mounting brackets are located at the top. In addition, a height of 1,550 mm is available for the installation of the mounting brackets made of metal.

**Anschluss und Installation des Innenmonitors**

- 1) Bring the haltering of the shackles to the wall.
- 2) Ziehen Sie das Kabel heraus und verbinden Sie das System gemäß dem Anschlusschema.
- 3) Move the monitor to the wall.

**Hinweis:**

Der Monitor muss außerhalb der Reichweite anderer elektronischer Geräte angebracht werden, da diese die Wifi-Verbindung beeinträchtigen können.

**Location of the monitor installation**

The installation height of the standard monitor is approximately 1,600 mm, where the centre of the screen is at the same level as the eyes; in this case, the suspended metal centre is 1,550 mm above the level of the solo.

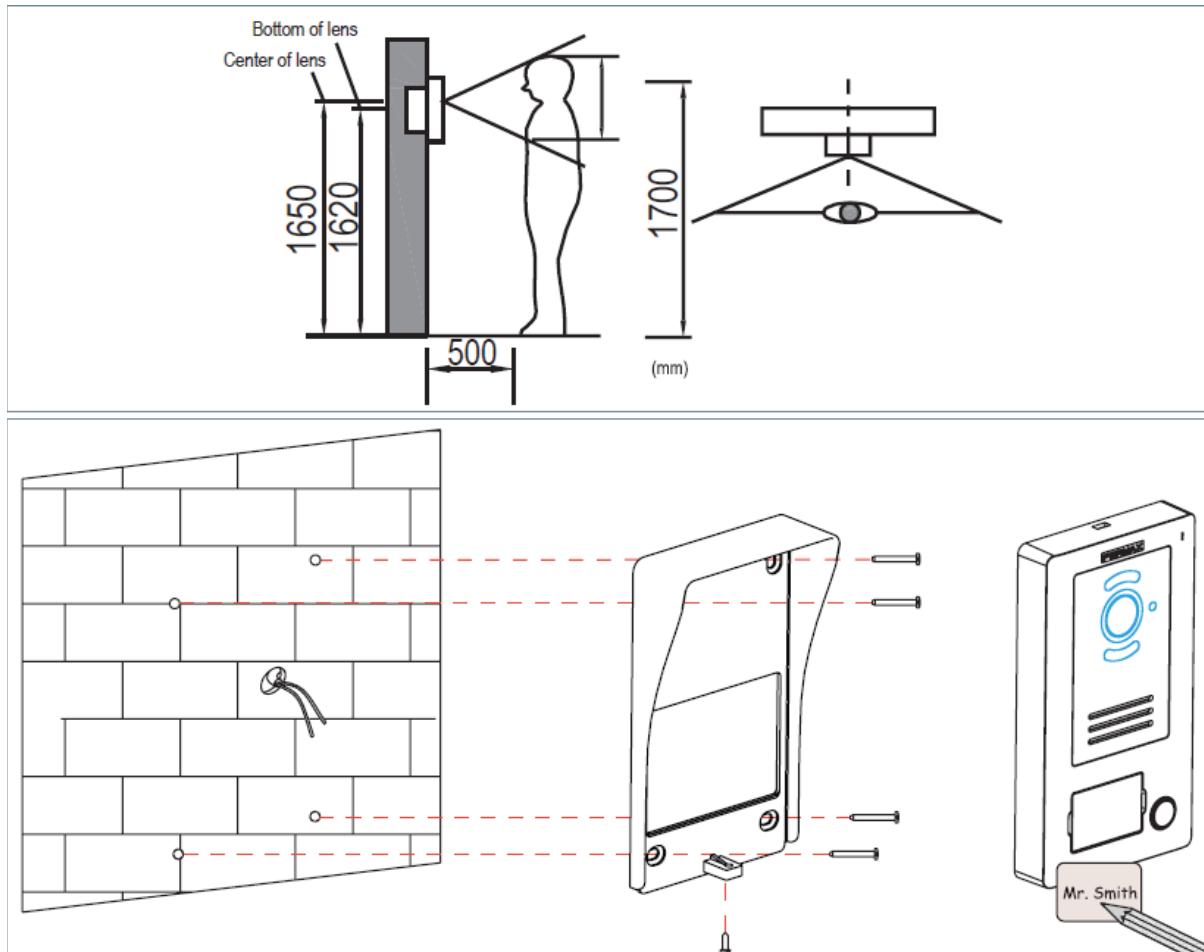
**Cabling and installation of the internal monitor**

- 1) Fix the mounting bracket to the wall with screws;
- 2) Pull the cable out and connect the system according to the wiring diagram;
- 3) Pendure o monitor no suporte de montage.

**Observação:**

The monitor should be installed away from other electronic devices that may interfere with wifi connectivity.

### 1.2.6.2 Placa de calle / Outdoor station / Platine de rue / Türstation / Botoneira de rua.



#### Location of the board installation

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

#### Wiring and installation of the outdoor panel

- 1) Use the screw to loosen the cover of the card holder, insert the label and replace the cover;
- 2) Fix the rain shield 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 shield with the anti-vandalism screw.

#### Panel installation location

Standard installation height of outdoor station lens is about 1,650mm above the floor. It is recommended to install a flush box to accommodate the wiring and avoid problems fixing the panel to the wall.

#### Wiring and installation of outdoor station

- 1) Use the screw to release the name label cover and put the name label in, put the cover back;
- 2) Fix the rainy cover on the wall with screws;
- 3) Pull the cable out and connect the cable according to chapter 3 wiring diagram;
- 4) Fix the outdoor panel on the rainy cover with the anti-vandal screw.

#### Emplacement de la platine

The standard height of installation of the road plate lenses is about 1,650mm above the sun. It is advisable to install a recessed box to contain the assembly and secure the plate to the wall.

#### Câblage et installation de la platine de rue

- 1) Use the visors to remove the identification sticker cover, place the identification sticker on the label, and refer to the label;
- 2) Fix the rain cover to the wall with the help of a vise;
- 3) Remove the cable and connect it according to the assembly diagram (section 3);
- 4) Fix the cover plate on the rain cover with the anti-vandalism visor.

**Installation of the station**

The standard height for the objective of the station is 1,650 mm. Es wird empfohlen, unter der der Türstation eine Unterputzdose (z.B. Schalterdose) zu montieren, da dies das Verstauen der Drähte und die Montage der Türstation erleichtert.

**Anschluss und Installation der Türstation**

- 1) Use the arrow keys to move the name plate to the left and the name plate to the right. Dann klippen Sie die Abdeckung wieder an.
- 2) Bring the protection of the regenschutz by means of the Schrauben to the hand.
- 3) Ziehen Sie das Kabel heraus und schließen Sie es gemäß dem Anschlusschema an, (Kapitel 3).
- 4) Secure the station with the anti-vandalism protection device on the protection device.

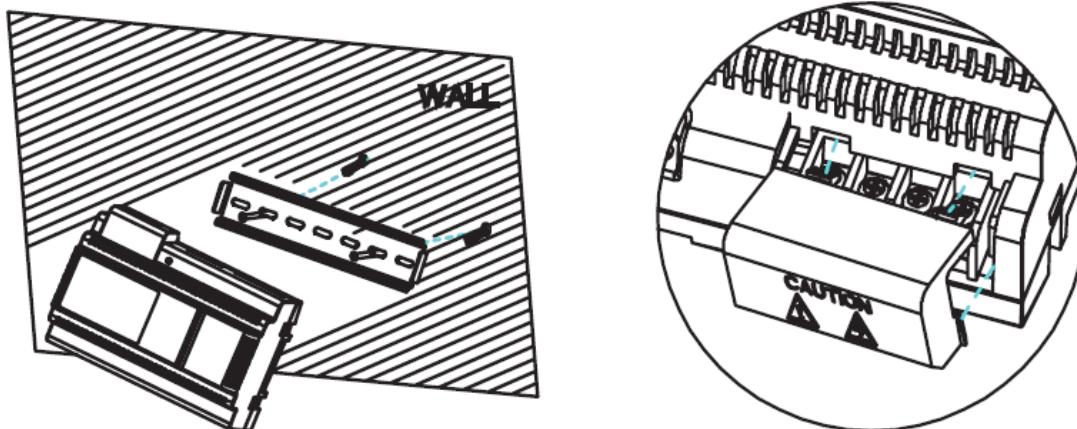
**Location of panel installation**

The standard installation height of the routing button lens is approximately 1,650mm above the solo level. We recommend installing a flush box to accommodate the cable and avoid problems with fixing the panel to the wall.

**Cabling and installation of the street button**

- 1) Use the parafuso to release the tampa do rótulo do nome and insert the nameplate, put the tampa back in place;
- 2) Correct the protection against the wall with parafusos;
- 3) Push the cable out and connect the cable according to the wiring diagram section 3.
- 4) Fix the outer panel to the protection against vandalism with the anti-vandalism bracket.

**1.2.6.3 Alimentador del sistema / System power supply / Alimentation électrique du système / Stromversorgung / Fonte de alimentação do sistema.**

**Power supply wiring and installation**

- 1) Fix the DIN-rail to the wall with screws
- 2) Pull out the mounting bracket, and hang the unit on the DIN rail.
- 3) Remove the AC cover and connect the AC cable (N, L).
- 4) Connect the wiring to the outdoor panel (DS) and indoor monitor (IM).
- 5) After connecting the AC cable, it is recommended to put the cover back on.

**GDPR (EU) 2016/679.** Current personal data protection legislation in EU countries requires a label to be placed on the outdoor panel if image capture is being used. This happens when the kit monitor has activated this function, or if you capture images from the app. An example of such a label is available for you to download and print from the web at: <https://www.fermax.com/spain/corporate/utilidades.html>.

**Wiring and installation of power supply**

- 1) Mount the din rail on the wall with screws
- 2) Pull down the mounting buckle, then hang the unit on din rail
- 3) Open the AC cover and connect the AC cable (N, L)
- 4) Connect wiring to outdoor panel (DS) and indoor monitor (IM)
- 5) After connecting the AC cable, it is recommended to put the cover

**GDPR (EU) 2016/679.** The current legislation on personal data protection of European countries requires placing a label next to the outdoor panel in case it is used to capture images. This is the case when the monitor of the kit

has activated that function or you capture pictures from the App . You have at your disposal an example of this label in the web address <https://www.fermax.com/intl/en/corporate/utilities.html>, that can be downloaded and printed.

#### **Assembly and installation of the electrical power supply**

- 1) Fix the rail din to the wall with the vises
- 2) Pull the mounting screw and fasten the unit to the DIN rail.
- 3) Ouvrir le couvercle C.A et brancher le câble CA (N, L)
- 4) Brancher le câblage à la platine extérieure (DS) et au moniteur intérieur (IM)
- 5) Once the AC cable has been plugged in, it is recommended that you replace the cable

**GDPR (EU) 2016/679.** The legislation on the protection of personal data currently in force in the Member States of the European Union requires the installation of an information panel close to the screen if the latter is used to capture images. This is the case if this function has been activated on the kit monitor or if images are taken from your application. You can find a model type from the information requested at the following address: <https://www.fermax.com/intl/fr/corporate/utilites.html>. You can download and print it without any problem.

#### **Anschluss und Installation der Stromversorgung**

- 1) Bring the DIN-schiene mithilfe from Schrauben an der Wand an
- 2) Ziehen Sie den Montageverschluss nach unten und hängen Sie das Netzgerät an die DI Schiene.
- 3) Entfernen Sie den AC Berührungsschutz und schließen Sie das AC-Kabel an (N, L)
- 4) Schließen Sie die Türstation (DS) und den Innenmonitor (IM) an.
- 5) Nach dem Verbinden des AC-Kabels muss der Berührungsschutz angebracht werden.

**DSGV (EU) 2016/679.** The current legislation on the protection of personal data in the countries of the European Union requires video surveillance stations to be equipped with a picture camera, if they are able to be used for this purpose. Dies ist dann der Fall, wenn diese Funktion am Monitor der Videotürstation aktiviert ist oder Bilder über die App aufgenommen werden. For an example of such an example of how to download and print out a video can be found on our website: <https://www.fermax.com/intl/de/pro/online-support.html>.

#### **Cabling and power supply installation**

- 1) Mount the dynamic link on the wall with the screws.
- 2) Push down the mounting bracket, then hang the unit on the dynamic linkage.
- 3) Open the AC plug and connect the AC cable (N, L).
- 4) Connect the cable to the external panel (DS) and to the internal monitor (IM).
- 5) After connecting the AC cable, we recommend that you place the cover in place.

**RGPD (EU) 2016/679.** The current legislation of European countries on the protection of personal data requires the placement of a label next to the external button, if it is used to capture images. This is what happens when the monitor of the kit activates this function or when the user captures images through the App. An example of this label is available on the website <https://www.fermax.com/portugal/corporate/utilidades.html>, which you can transfer and print.

### **1.2.7 SPECIFICATIONS / SPECIFICATIONS / SPÉCIFICATIONS / TECHNISCHE DATEN / ESPECIFICAÇÕES / ESPECIFICAÇÕES**

**Monitor interior / Indoor monitor / Moniteur intérieur / Innenmonitor / Monitor interno**

**Parámetro / Parameter / Paramètre / Parameter / Parâmetro** **Valor / Value / Valeur / Wert / Valor**

Input voltage	DC: 32±2 V
Input voltage	DC: 32±2 V
Input voltage	DC : 32±2V
Eingangsspannung	DC: 32±2 V
Input voltage	DC: 32±2 V
Consumption	350 mA max
Consumption	350mA max
Consommation	Max. 350mA
Verbrauch	350 mA max
Consumption	350mA max
TFT LCD	7-inch digital IPS LCD
TFT LCD	7-inch digital IPS LCD
TFT LCD	7-inch digital IPS LCD

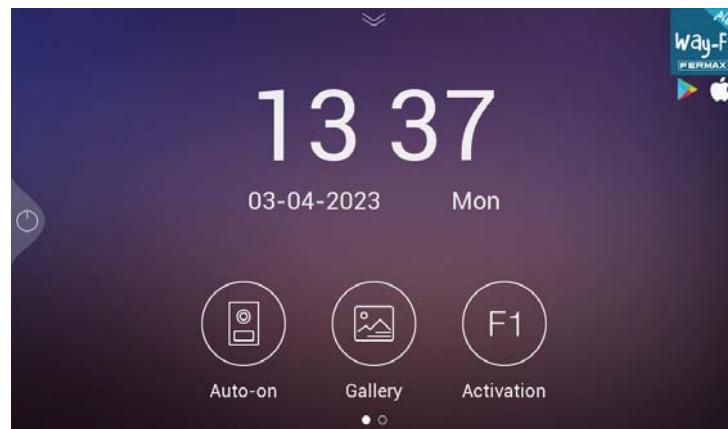
TFT LCD	Digitaler 7-Zoll IPS LCD-Bildschirm
TFT LCD	7 inch digital IPS LCD
LCD resolution	1024(RGB) x 600
LCD Resolution	1024(RGB) x 600
LCD resolution	1024(RGB) x 600
LCD-Auflösung	1024(RGB) x 600
LCD Resolution	1024(RGB) x 600
Memory capacity	Internal storage: 100 images
Memory capacity	MicroSD card: max. 1000 images, 128 videos
Memory capacity	Internal Storage:100 pictures
Speicherkapazität	Micro SD card: max. 1000 pictures, 128 videos
Memory capacity	Stockage interne :100 photos
	SD Micro SD card : max. 1000 photos, 128 videos
	Interner Speicher: 100 Bilder
	micro SD-card: max. 1000 images, 128 videos
	Internal storage:100 images
	Micro SD card: max. 1000 images, 128 videos
Connection to the outdoor panel	Supports 2 outdoor panels, each with an additional CCTV camera or WiFi (optional)
Connection with door station	Supports 2 door station, each one with an additional CCTV camera (optional)
Branchement à platine de rue	Allows 2 street panels, each with an additional CCTV camera (optional)
Verbindung mit Türstation	Supports 2 stations, each with an additional overwatch camera (optional)
Connection to the street button	Supports 2 street buttons, each with an additional CCTV camera (optional)
Connection with other monitors	Supports three additional monitors (extensions)
Connection with other monitors	Supports three additional monitors (extensions)
Connexion avec d'autres moniteurs	Allows two additional monitors (extensions)
Verbindung mit anderen Monitoren	Unterstützt drei zusätzliche Monitore (Erweiterungen)
Connection with other monitors	Compatível com dois monitores adicionais (extensões)
Dimensions (mm)	222(W) x 154(H) x 11.5(D) (without wall bracket)
Dimensions (mm)	222(W) x 154(H) x 11,5(D)(without wall bracket)
Dimensions (mm)	222(W) x 154(H) x 11,5(D) (without wall support)
Abmessungen (mm)	222 (B) x 154 (H) x 11,5(T) (ohne Wandhalterung)
Dimensions (mm)	222(W) x 154(H) x 11,5(D)(sem suporte de parede)
<b>Fuente de alimentación / Power supply / Alimentation électrique / Stromversorgung / Fonte de alimentação</b>	
<b>Parámetro / Parameter / Paramètre / Parameter / Parâmetro</b>	<b>Valor / Value / Valeur / Wert / Valor</b>
Input current	AC: 100 V~240 V, 0.6 A, 50 Hz/60 Hz
Input power	AC:100V~240V,0,6A,50Hz/60Hz
Entrance court	AC :100V~240V,0,6A,50Hz/60Hz
Eingangsspannung	AC: 100 V~240 V,0,6 A, 50 Hz/60 Hz
Input power	CA:100V~240V,0,6A,50Hz/60Hz
Output current	DC: 32±2 V, 2 A
Output power	DC: 32±2V,2A
Courant de sortie	DC : 32±2V,2A
Ausgangsspannung	DC: 32±2 V, 2 A
Output power	DC: 32±2V,2A
Dimensions (mm)	140(W) x 97.5(H) x 58.5(D) (without wall bracket)
Dimensions(mm)	140 (W) * 97.5 (H) * 58.5 (D)(without wall bracket)
Dimensions(mm)	140 (W) * 97.5 (H) * 58.5 (D) (sans support mural)
Abmessungen (mm)	140 (B) * 97,5 (H) * 58,5 (T)(ohne Wandhalterung)
Dimensions (mm)	140 (W) * 97.5 (H) * 58.5 (D) (sem suporte de parede)

Installation method	DIN rail mounting
Installation method	DIN rail mounting
Installation method	DIN rail mounting
Montageart	DIN Schienenmontage
Method of installation	DIN or Dynamic Three-Way Mounting
<b>Placa de calle / Outdoor monitor / Platine de rue / Türstation / Botoneiras de rua</b>	
<b>Parámetro / Parameter / Paramètre / Parameter /</b>	<b>Valor / Value / Valeur / Wert / Valor</b>
<b>Parâmetro</b>	
Input voltage	DC: 32±2 V
Input voltage	DC: 32±2 V
Input voltage	DC: 32±2V
Eingangsspannung	DC: 32±2 V
Input voltage	DC: 32±2 V
Consumption	350 mA max (door opener not included)
Consumption	350 mA max (lock not included)
Consommation	350 mA max (not included)
Verbrauch	350 mA max (ohne Türöffner)
Consumption	350 mA max. (Block not included)
Wiring	To source 2-wire / 2-wire electric lock release / 2-wire automatic door / 2-wire access push button
Wiring	2 wire to the power supply / 2 wire electric lock / 2 wire automatic door / 2 wire egress button
Câblage	2 power supply cables / 2 electro-serrure cables / 2 cables for automatic door / 2 cable exit buttons
Verkabelung	2 Drähte zur Stromversorgung / Zweidrahtanschluss elektrischer Türöffner / Zweidrahtanschluss automatische Tür / Zwei-drahtanschluss externe Türöffnertaste
Fiação	2 wires for power supply / 2 wires for electric lock / 2 wires for automatic door / 2 wires for exit or entry button
Lighting	LED for night vision
Lighting	LED for night vision
Éclairage	LED for night vision
Beleuchtung	LEDs for lighting
Lighting	LED for night vision
Operating temperature	-20 ~ +55°C
Operating temperature	-20 ~ +55°C
Température de fonctionnement	-20 ~ +55°C
Betriebstemperatur	-20 ~ +55°C
Operating temperature	-20 ~ +55°C
Weight (g)	375 g (with visor)
Weight (g)	375g (with rainy cover)
Poids (g)	375g (with rain cover)
Gewicht (g)	375 g (mit Regenschutz)
Weight (g)	375g (with protection against blasting)
Dimensions (mm)	94(W) x 162(H) x 26(D) (with rain cover)
Dimensions (mm)	94(W) x 162(H) x 26(D)(with rainy cover)
Dimensions (mm)	94(W) x 162(H) x 26(D) (with cover pluie)
Abmessungen (mm)	94(B) x 162(H) x 26(T) (mit Regenschutz)
Dimensions (mm)	94(W) x 162(H) x 26(D)(with protection against blinds)

## 1.2.8 Main screen.

### 1.2.8.1 Home screen.

Touch the screen anywhere to put it into sleep mode (screen off) and the main page will display the following options:



From left to right:

- **Power button:** to turn off the monitor screen.
- **Auto-On:** Connection to external outdoor panels or cameras to display camera image.
- **Gallery:** This section will store both photos and videos of the calls you have made. A red indicator, which also indicates the number of screenshots, will appear if you have taken a screenshot or a video. 
- **F1 Activation:** To open an additional door.

If you click on the arrow below the main page, you will have access to the quick action menu:



Where:

	<b>Activar/Desactivar sonido</b>
	<b>Activar/Desactivar No molestar</b>
	<b>Activar/Desactivar Wi-Fi</b>
	<b>Selección de captura de pantalla</b>
	<b>Selección de grabación de pantalla</b>
	<b>Captura / Grabación de pantalla desactivado</b>

### 1.2.8.2 Call from a visitor.

When the outdoor panel rings, the image of the visit will be shown on the display.

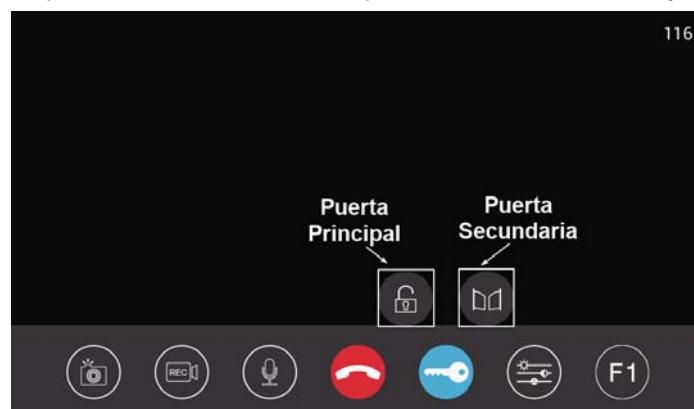
on the monitor for 30 seconds. You can press the  icon to talk to the

visit. Pressing the icon  ends the conversation.



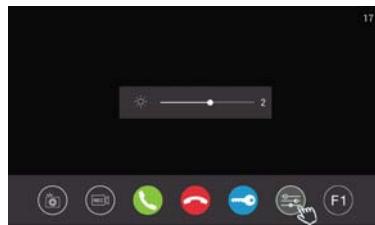
**Options:**

- Screen Capture:** Enables the option to capture the image before and/or during the call. An icon in the top right corner will indicate when the screenshot has been taken.
- Recording:** Enables the option to record before and/or during the call. An icon and a 15 second counter in the top right corner will indicate when a recording has been made. Only stores a 15 second recording.
- Answer call:** the call is picked up to start the conversation with the outdoor panel. During the call, this button gives us the option to enable or disable the microphone of the monitor itself. By default, the microphone will be enabled
  - Microphone enabled:** 
  - Microphone disabled:** 
- End call:** Hang up the call to end the conversation. Pressing the hang up icon will automatically turn off the screen.
- Door release button:** Performs door opening from the panel. Pressing the door opener icon will display the option to select whether to open the main or secondary door.

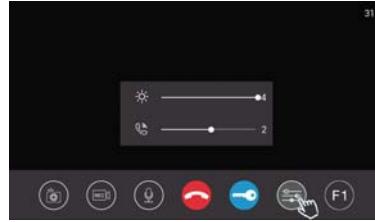


- Display settings:** Displays the monitor screen options such as: Brightness and Call volume. Before answering the call, it will only display the screen brightness settings. After answering the call, both brightness and call volume settings will be displayed.

a. No call back:



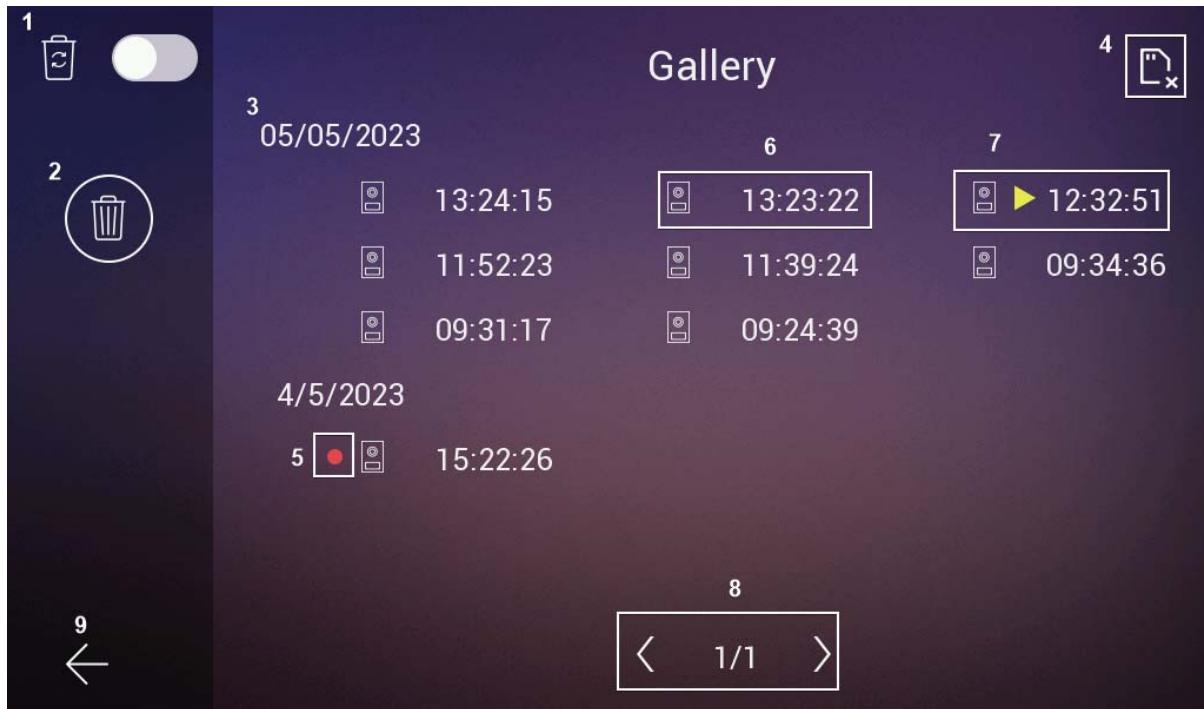
b. After answering the call:



7. **F1 button:** To send the command to an additional door opener of maximum capacity 12VDC, 250mA.

### 1.2.8.3 Gallery.

In this section, we have a preview of both the photos and videos of the call log which are stored in chronological order. Selecting the multimedia file will give us a detailed view of the photo and video album. By default they are stored in the internal memory of the monitor. There is a MicroSD slot to expand and select where to store the screenshots, as well as an icon to activate the auto-delete function.



Where:

1. Auto-delete: Indicates that after a period of 30 days the stored captures will be deleted.



2. Manual deletion: Pressing this option will confirm if you want to delete all the files in the gallery.

3. Date indicator: The captures and/or recordings made are stored by date. The multimedia file indicates the time at which the capture was made.
4. Memory indicator: This indicates whether the monitor has an external memory (Micro SD memory). This icon appears in the upper right corner. If there is no external memory, it will show this indicator  . Otherwise, it will show this icon  .

Note: In case the memory is inserted or removed, the monitor will automatically restart and boot up.

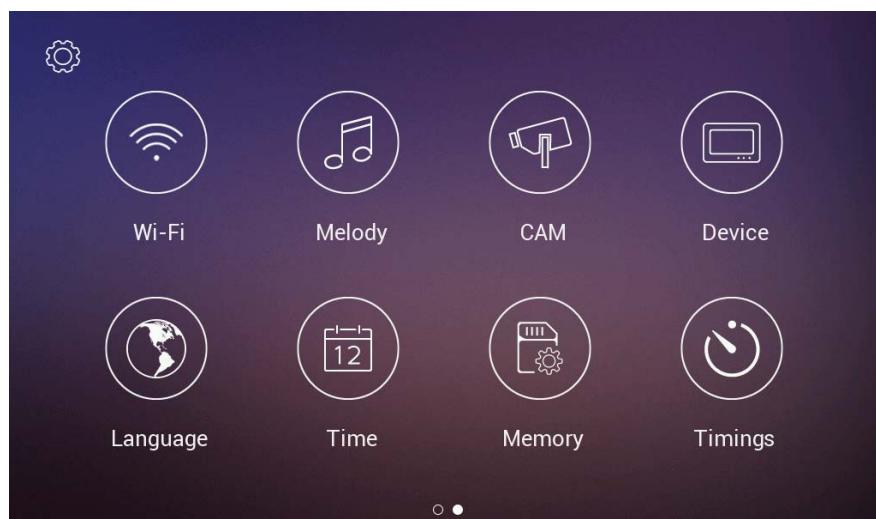
5. New screenshots indicator: A red circle indicates screenshots not yet seen.
6. Screenshots: A screenshot is indicated as a screenshot when it only shows the time of the screenshot.
7. Call recording: If this icon precedes the album time display  it is a recording. The duration of a recording capture can be a maximum of 15 seconds.
8. Number of gallery pages. The number on the left indicates the number on the page we are browsing within the gallery and the number on the right indicates the total number of pages in the gallery.
9. Back button: when pressed, returns us to the main page of the monitor.

#### 1.2.8.4 Activation F1.

From the main screen the F1 button can be operated in case an additional door is installed. It is recommended that you do not connect door openers with an operating voltage other than 12 Vdc or higher than 250mA. Recommended opener REF F29588.

### 1.2.9 Settings screen.

The settings page can be accessed by scrolling the main page to access the different settings.

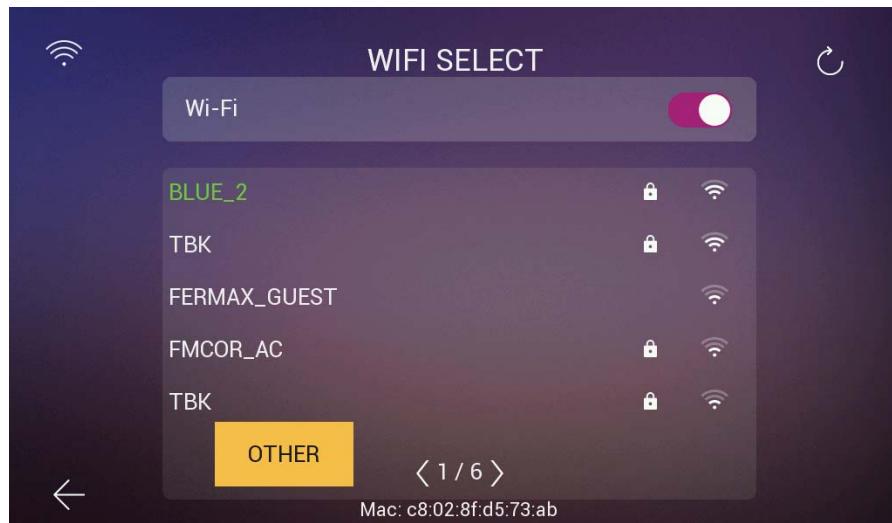


#### 1.2.9.1 WiFi configurations.

On the WiFi settings page, the following options appear:



1. **WiFi Select:** In this option, you will find all the settings for connecting the monitor to a wireless network.



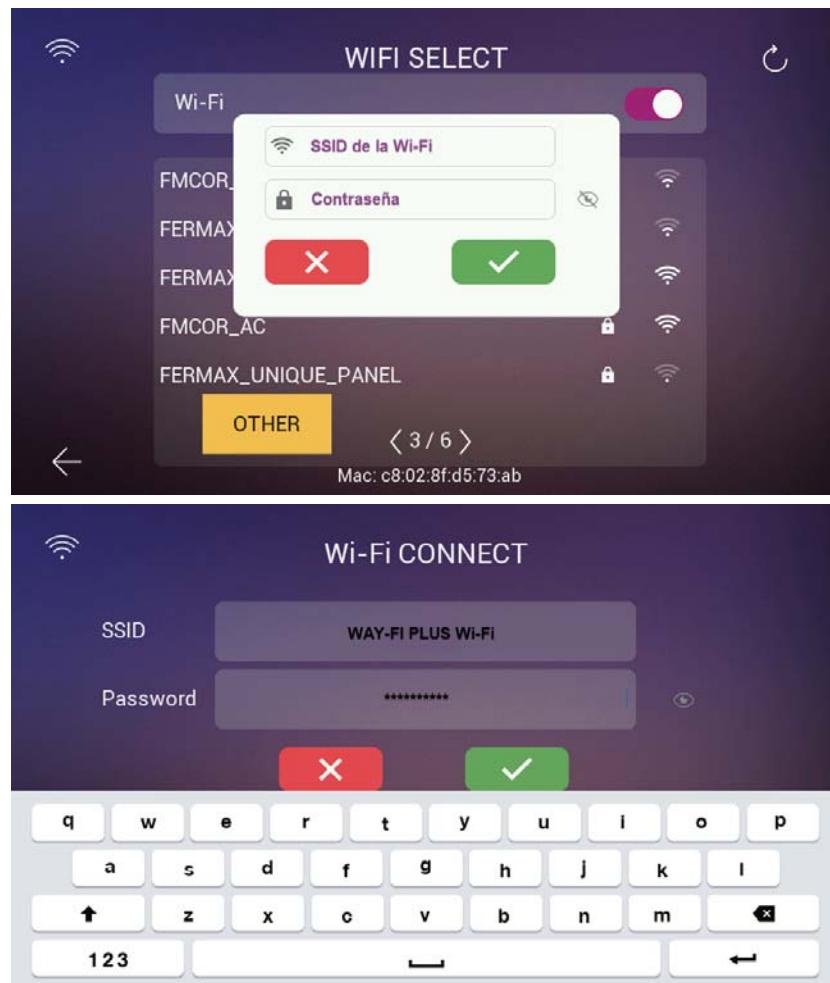
Where:

- Wi-Fi: to the right of this section, you can activate or deactivate the Wi-Fi antenna.



- Refresh:  Clicking on this button refreshes the list of available wireless networks that appear in the box below.

- Other:  By pressing this button, we can add a wireless network manually. A window will appear where touching any of the Wi-Fi and Password fields will display the keyboard to type the credentials of the Wi-Fi to be connected.



- Page selector: **⟨ 1 / 6 ⟩** indicates on which page the available wireless networks are displayed (number on the left) and the total number of available wireless network pages. To navigate between them, press the left icon **⟨** or right icon **⟩** to navigate through the different pages.
- 2. **Call Forwarding:** This option when activated, we can choose the delay time after a person makes a call from the board.
- 3. **Remove Users:** This section performs a deletion of all the wireless networks to which the monitor has been able to connect.
- 4. **QR code app:** When scanning the QR code, it automatically redirects to the Google Play(Android) or APP Store(iOS) where you can download the mobile app to set up call forwarding.
- 5. **Pairing QR code:** This QR code will appear only if the monitor has been previously connected to a Wi-Fi network. If the monitor is not connected to a Wi-Fi network, this code will simply not be available for pairing with the monitor via the **Way-Fi Plus By Fermax** app.

### 1.2.9.2 Melody.



- Melody Assignment:** In this section, we can modify and assign the different melodies to identify from which device the call is received and/or the different alerts. The Way-Fi Plus system contains up to 14 melodies to select from.
- Mute Schedule:** You can enable/disable and assign a start time (time on the left) and end time (time on the right) in case you want to set a schedule to mute the respective calls and/or alerts.

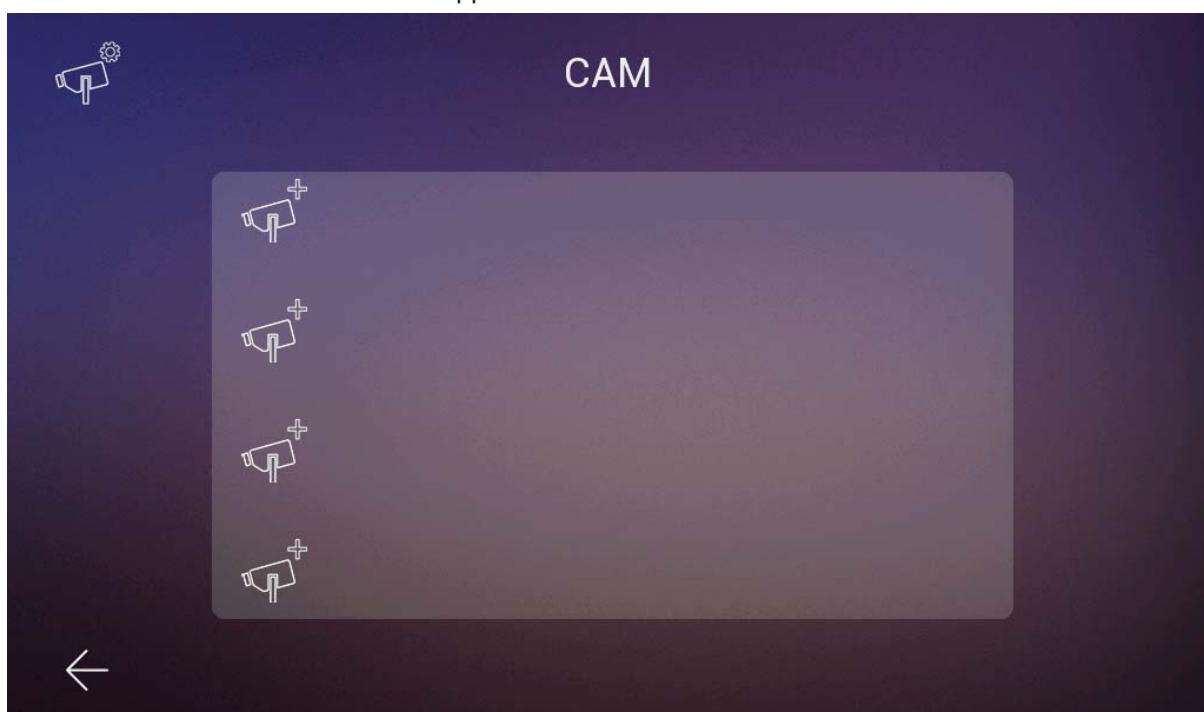
### 1.2.9.3 CAM.

In this section you can add additional cameras to the monitor. The monitor supports **IP Cameras over Ethernet Cable**. The monitor is able to detect cameras that are in the same IP range.

**Note:** The Way-Fi Plus system is also compatible with IP cameras that can be powered through a PoE switch. Also note that the camera must be on the same network segment as the monitor.

We will explain the step-by-step to add a camera:

Once inside the CAM menu this will appear:



Then press the icon  to add the camera.

The following screen will be displayed where, if done correctly, the information of the camera to be added will appear:



As you can see in the image, it will show the IP address of the camera and the MAC address. If there is more than one camera, up to 4 cameras can be displayed at the same time.

Once the camera has been chosen, the following parameters to be set will appear:



Where:

1. **Name:** To assign a specific name to the camera. For example: WAY FI PLUS.
2. **Password:** We add a password for more security.

**Note:** It is suggested that the password does not contain characters such as accented vowels, among others.

3. **Stream:** You can select the quality of the video stream, either **Major Stream** or **Sub Stream**.

**Note:** In case 2 or more monitors are connected, select the **Sub Stream** mode to get a smoother picture.

4. **Sound alarm:** This option can be activated or deactivated if an alarm system is installed in the house.

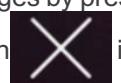
5. **Picture Capture:** We can activate or deactivate the screenshots.

6. **Video Capture:** You can activate or deactivate the screenshot recordings. These will be stored on the SD memory.

Once the camera parameters have been configured, we can confirm the changes by pressing the button



in the right corner and below the screen. Otherwise, press the button



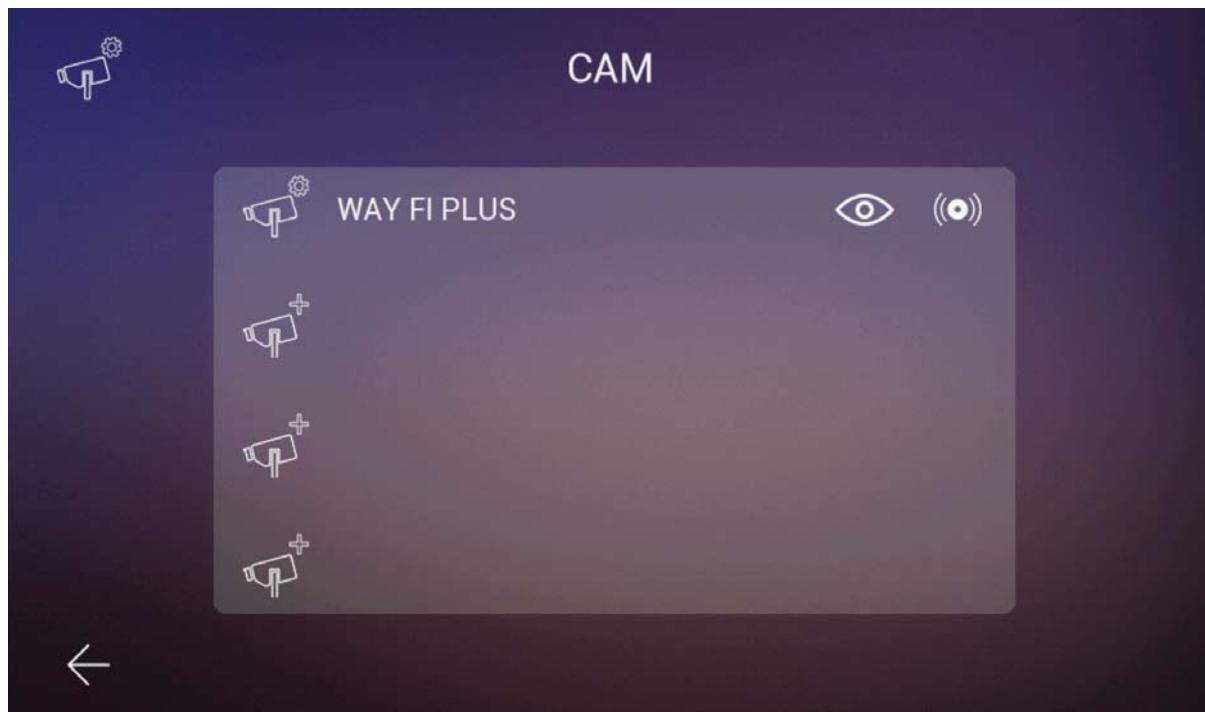
in the left corner

and below the screen.

Once the parameters have been set, a screen will confirm that the changes have been made correctly:



To confirm that the changes have been made correctly, return to the **CAM** option, and you will be able to see the changes made:



As shown in the reference image, we will see the name we assigned to the camera and two additional icons on which we will see the name we assigned to the camera:

**Additional Camera:** The icon indicates whether we want to have an additional camera display during a call or an auto power-up. This option will change colour indicating that the additional camera is activated:

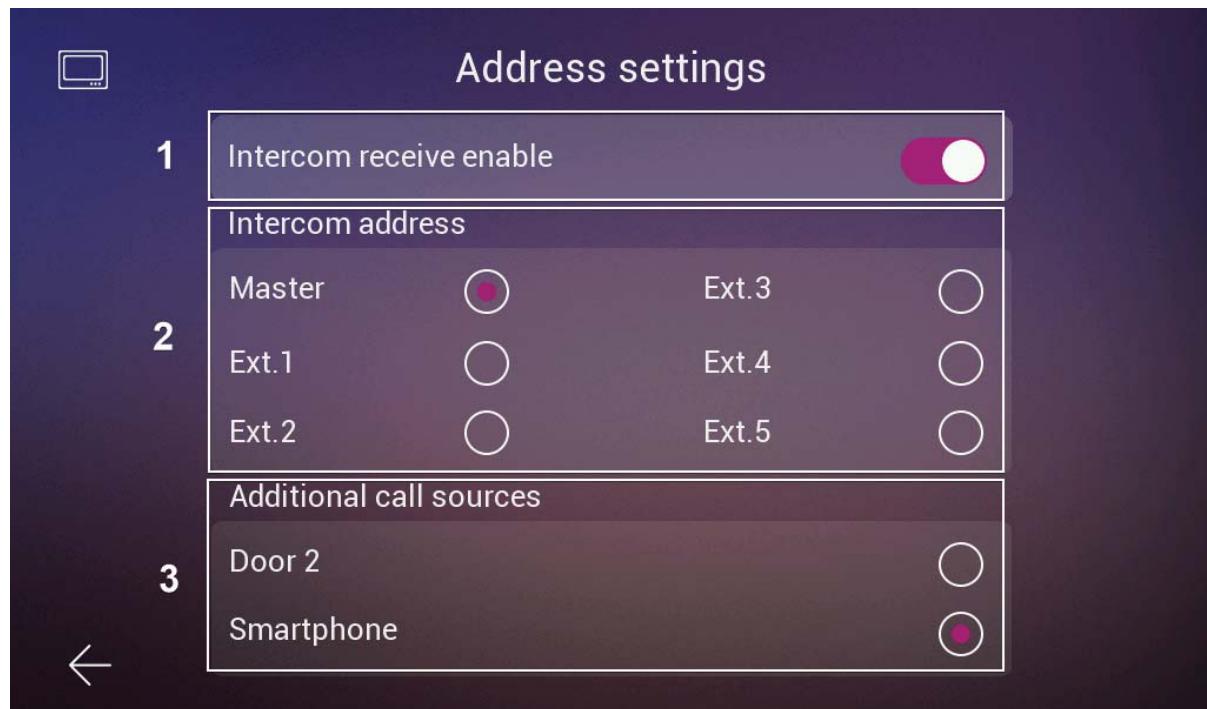
- **Activated:**
- **Disabled:**

**Alarm Sound:** The icon indicates that this option is available for an alarm sound. Like the Additional Camera, this option will change colour indicating that the Alarm Sound is activated:

- **Activated:**
- **Disabled:**

#### 1.2.9.4 Device.

In this section you can modify the assignment of the monitors and use the Intercom functionality, i.e. internal calls between monitors in the same home and activate calls from a second panel or from a mobile phone via the **Way-Fi Plus by Fermax** app. The following image shows the following parameters to be configured.



Where:

1. **Enable Intercom function:** In this option we can activate or deactivate the calls between the monitors, second panel or mobile to the monitors of the house.
2. **Intercom Address:** In this option we assign the address to each monitor of the existing monitors in the house. By default, all monitors are set as **Master** monitors in the factory. In case of assigning an extension number to the additional monitors, it is recommended to assign the extension number first before installing it in the communication bus.

**Note:** In case there are 2 **master** monitors on the bus, the monitor displays a message that the monitor has not been configured correctly.

3. **Additional call methods:** In this option the Intercom function allows us to activate or deactivate the making of an internal call originated from the panel or from the **Way-Fi Plus by Fermax** mobile app.

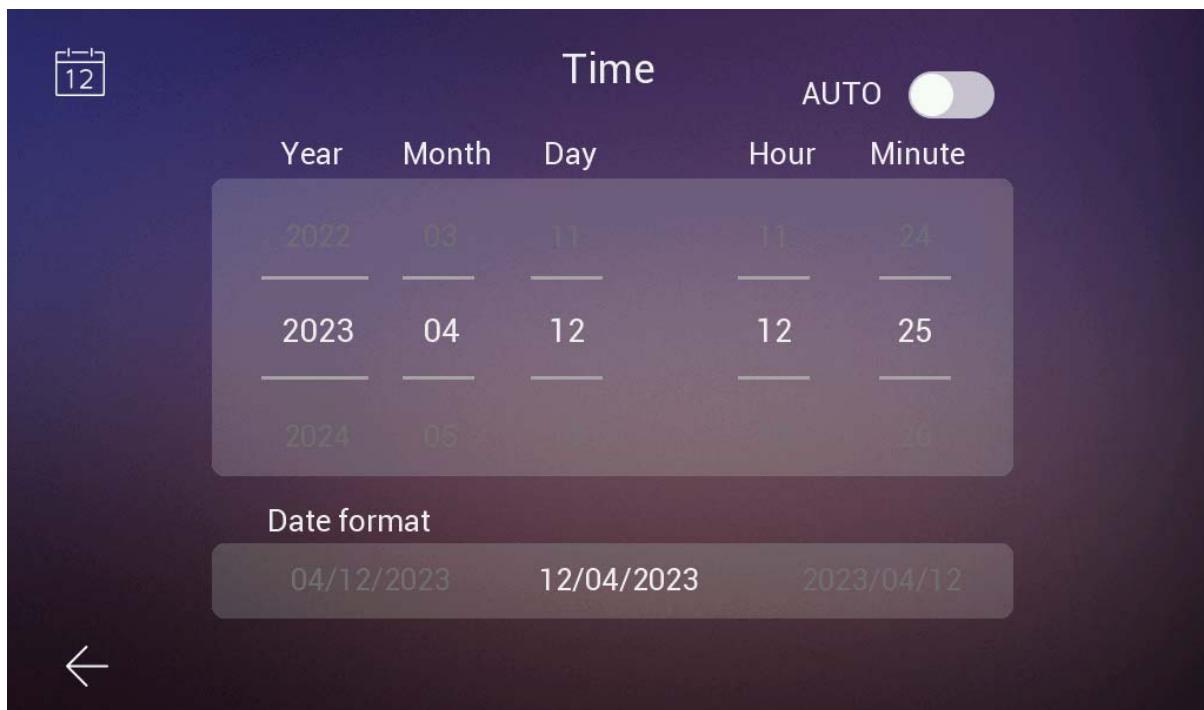
#### 1.2.9.5 Language.

On the Language settings page, you can set the language of the monitor. Up to 16 languages can be selected.



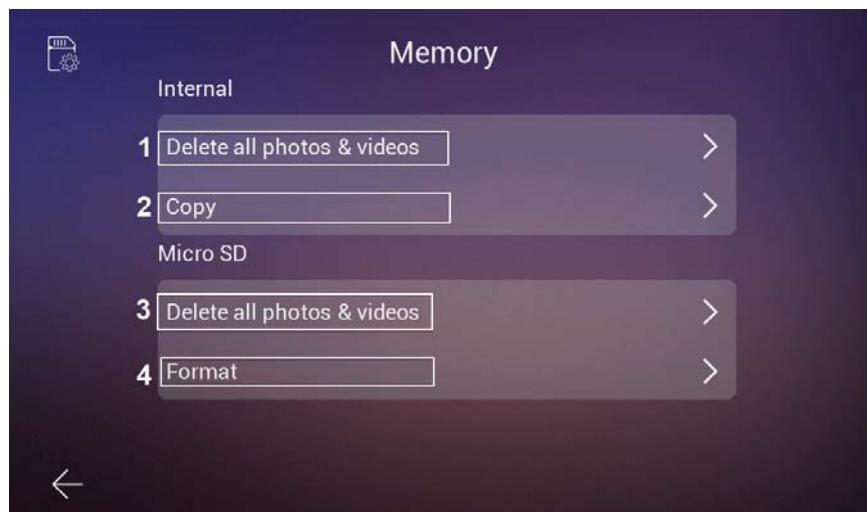
### 1.2.9.6 Time.

On the Time settings page you can manually set the date and time of the monitor. You can also select the date format. Additionally, you can set the date and time directly from the application.



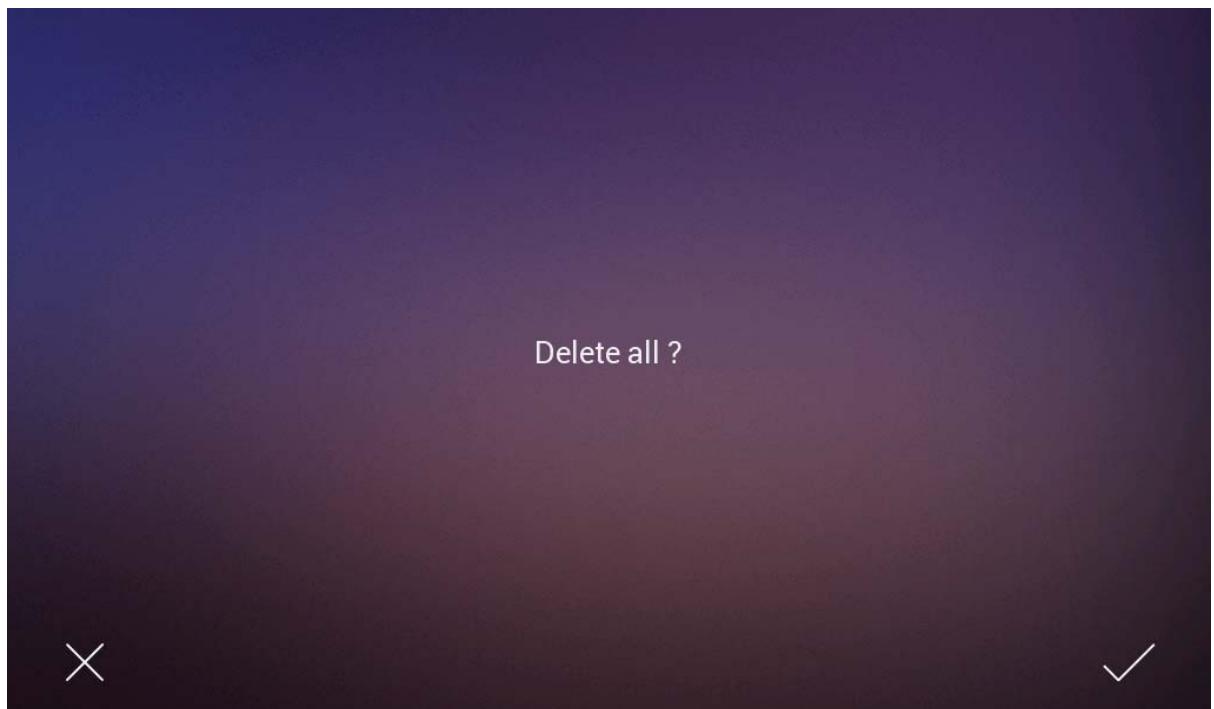
### 1.2.9.7 Memory.

The Memory settings page will show the different actions that can be performed on both the phone's internal and external memory. The following available options are described:

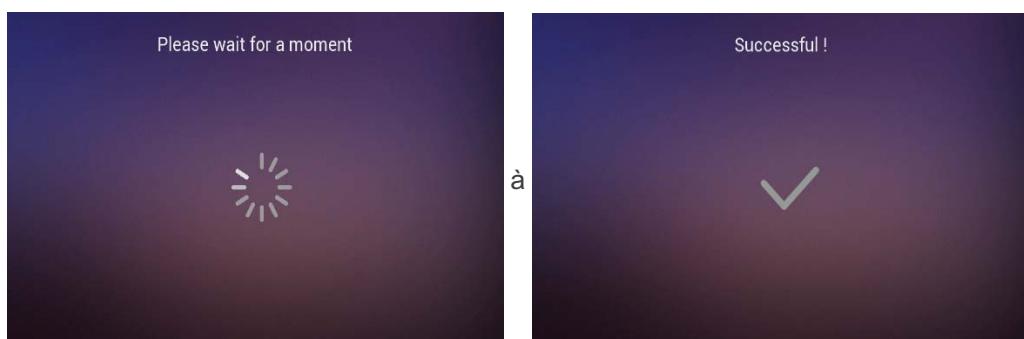


Where:

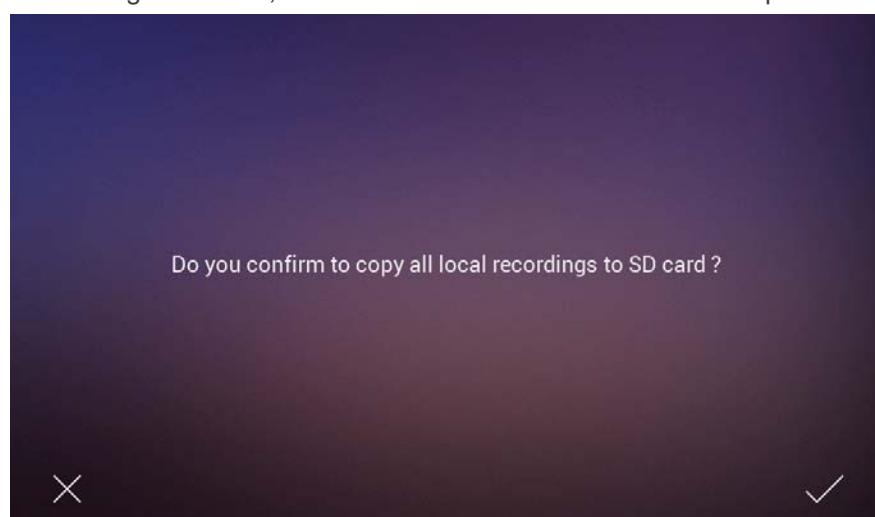
1. **Delete all photos and videos:** When you choose this option, a window will appear to confirm or reject this action.



It will take a few seconds to wait and then confirm that the deletion has been successful.



2. **Copy:** When you click on this option, the images and videos of the calls made will be copied. Before executing this action, we will be asked to confirm if we want to perform this action.

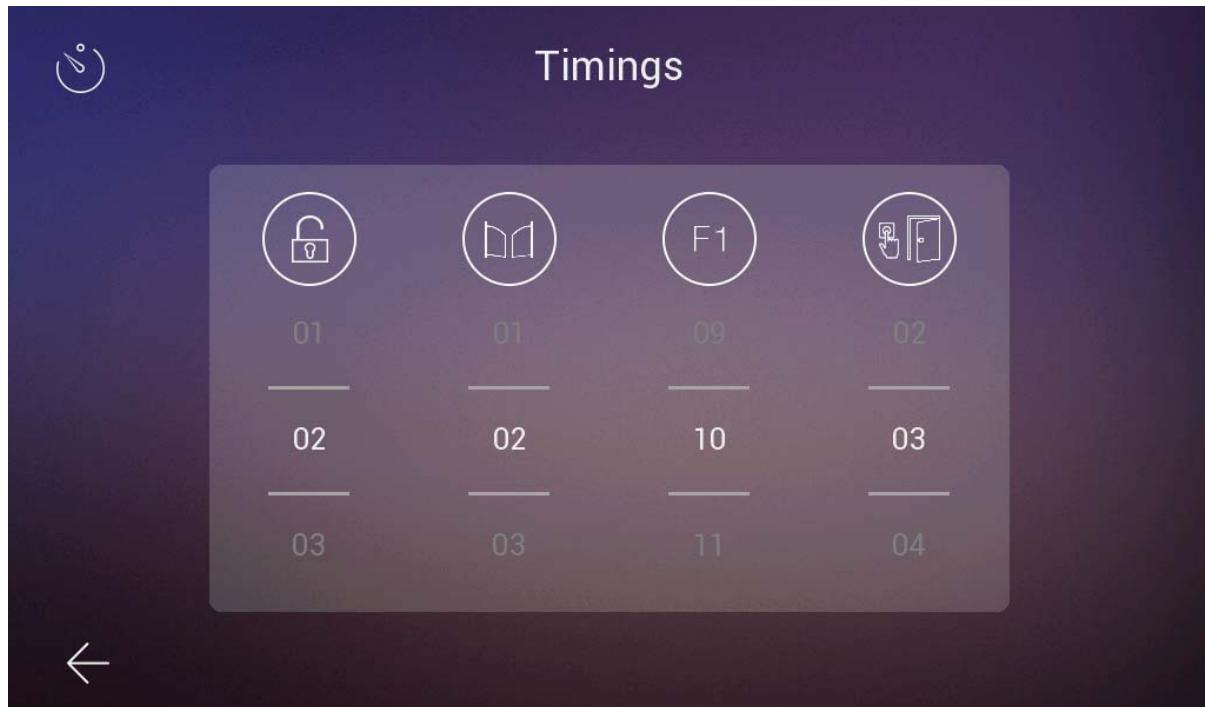


It will then go through the same process of waiting and confirming that the process was successful.

3. **Delete all pictures and videos in SD:** Performs the same process of deleting pictures and videos, but in the SD memory.
4. **Format:** as the name suggests, performs a format of the SD memory.

#### 1.2.9.8 Timings.

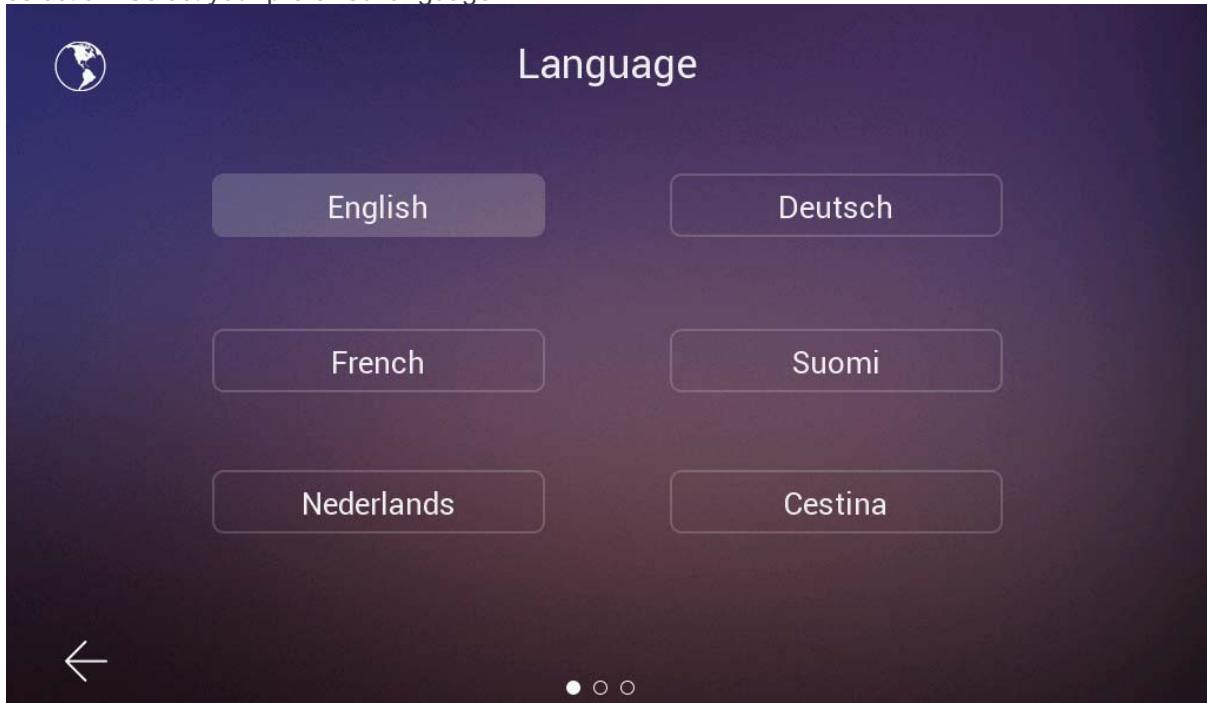
In this section we will choose the door opening times of both the monitor (Door Opener, Relay and F1 Key) and the exit button on the board (Exit Button).



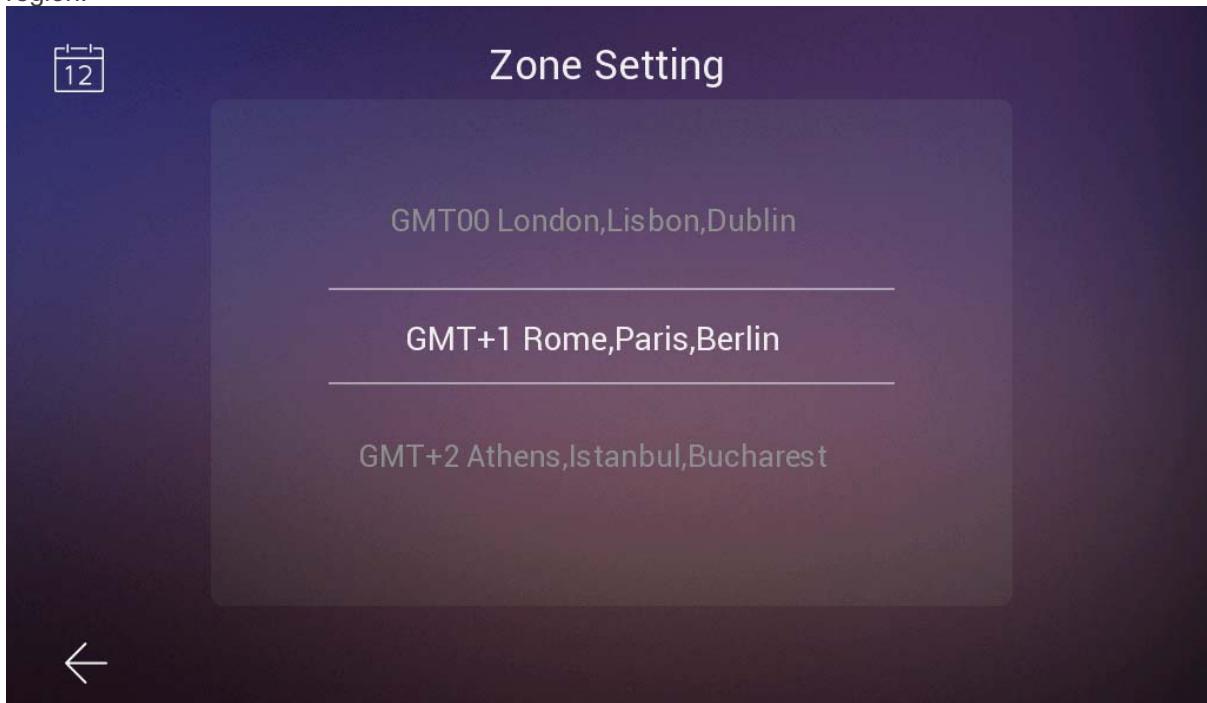
## 2 INITIAL CONFIGURATION

Once the physical connection of the **Way-Fi Plus By Fermax** Kit has been completed, we will proceed to establish the following steps for configuration with the **Way-Fi Plus By Fermax** App and integration with **Google Home** and/or **Alexa**.

1. Once the kit is connected to the power supply, the monitor will start up with the language selection. Select your preferred language:



2. The time zone will be displayed in the following menu, select the time zone according to your region:

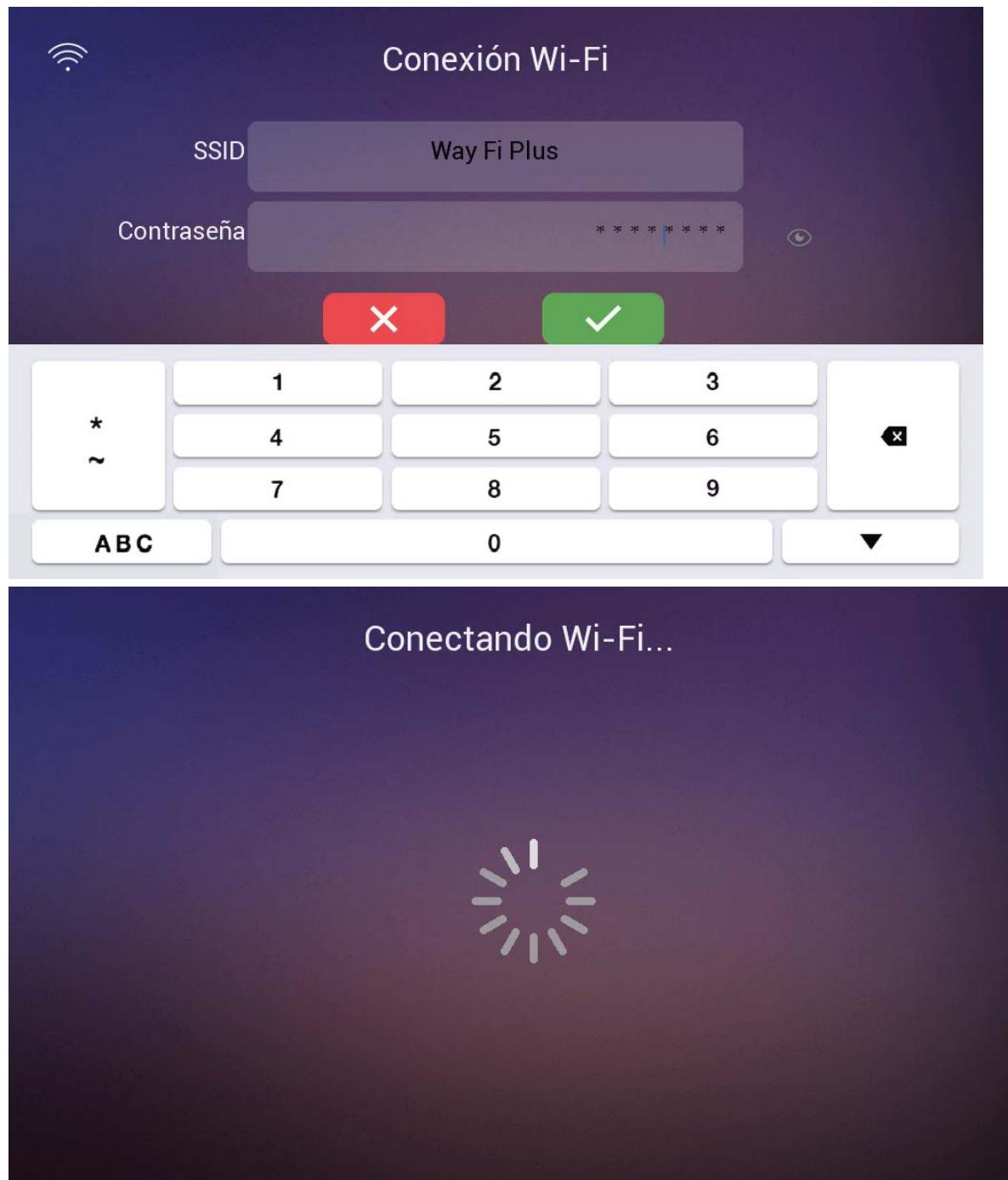


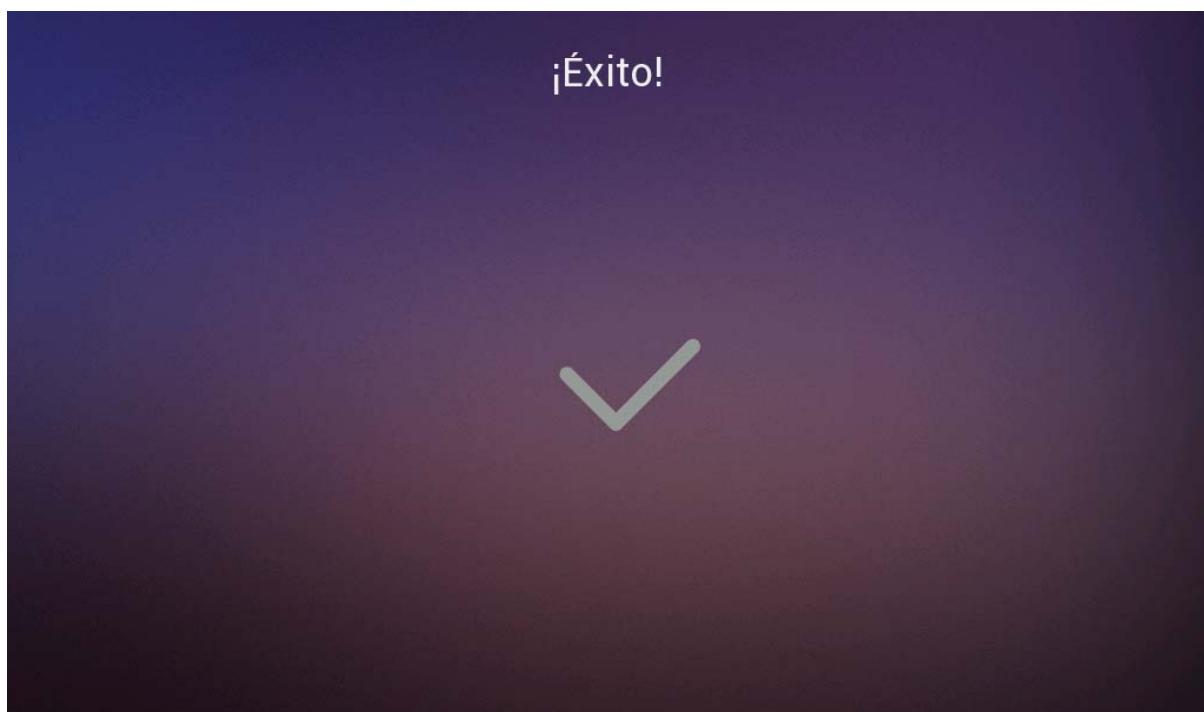
3. Next, you set the address parameters of the monitor where the intercom call can be enabled or disabled; whether it is a primary or secondary monitor. The Extension number for the intercom address functionality and whether the monitor can receive calls from the board and/or the application. A checkmark will appear to continue with the initial configuration.



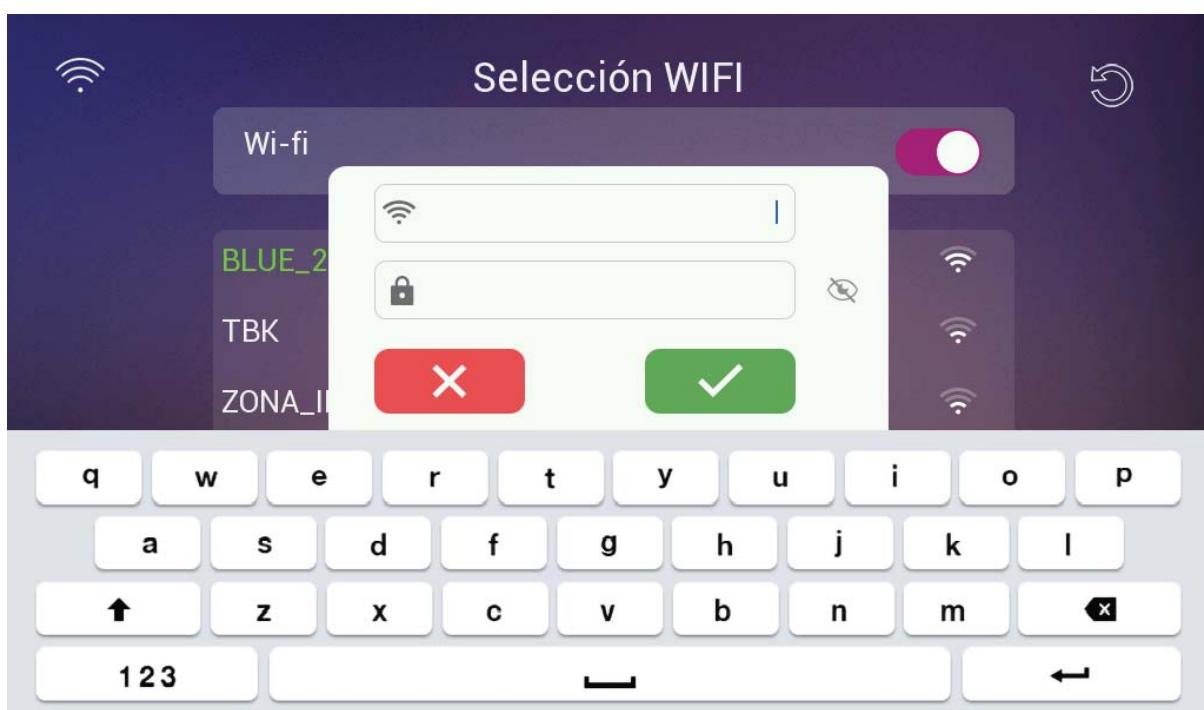
4. In the next step, the preferred wireless network configuration will be selected.

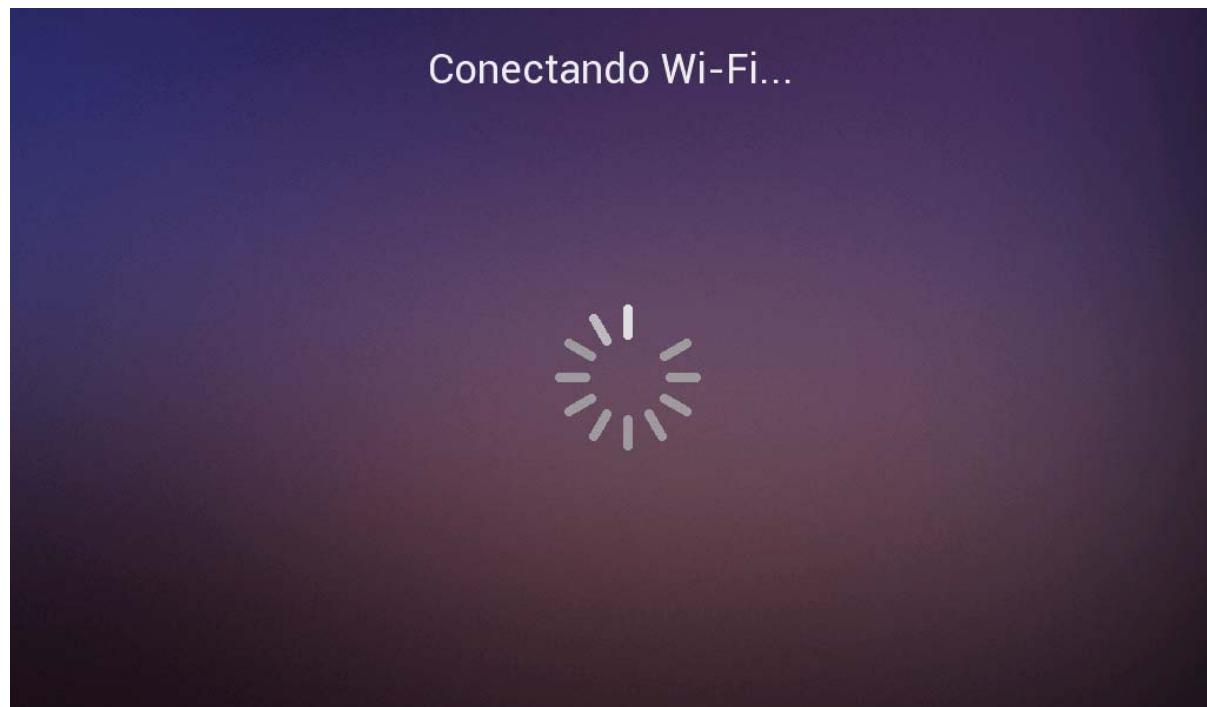


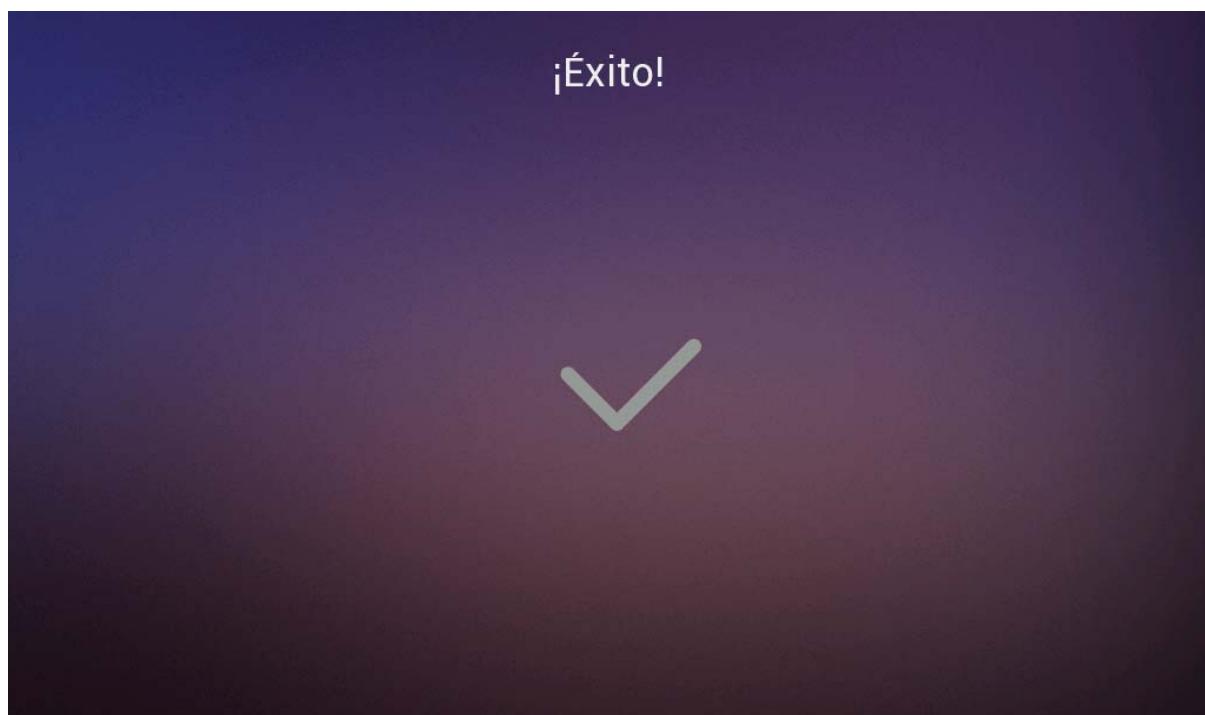




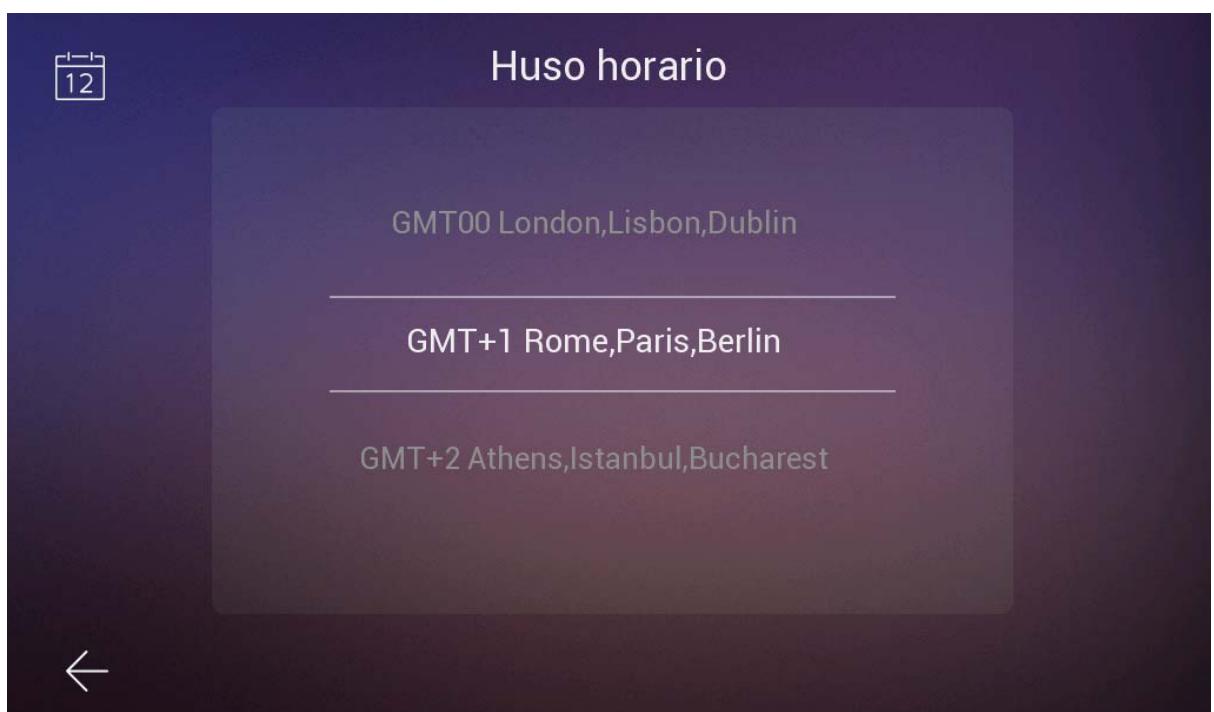
- In case you do not get the wireless network you want to connect to, you can tap the others button and add the network manually.







5. The Time Zone is selected with respect to the region.



6. Finally, the Date and Time format is set.



After setting the configurations, the monitor will reboot and we will have available the connections to pair the cell phone to the monitor for the call forwarding functionality through the Way-Fi Plus by Fermax application.

In the next step, you will learn how to register your Way Fi Plus account.

**Warning:**

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.

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.

NOTE: This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter

**RF Exposure Statement**

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

**Product reference:**

MONITOR KIT WAY-FI PLUS 7" REF. F01572

# FERMAX



FERMAX ELECTRONICA S.A.U  
Tres Cruces Avenue, 133  
46017 Valencia, Spain