



EKSELANS BY ITS

USER MANUAL

KIT HOME WIFI

322004

Single-family video intercom kit

V.1.2

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1- Product Description

KIT HOME is a non-polarized two-wire video door entry solution for single-family homes.

1.1 General characteristics

- Two-wire non-polarized system.
- Stainless steel outer plate with high-quality colour image camera with auto-detection system for lack of brightness.
- Electronic opening.
- Compatible with external pushbutton.
- Adjust the monitor's call volume.
- System expandable to two exterior panels with the possibility of installing a total of 4 identified monitors in the same house.
- Monitoring function. It is possible to observe the street without the need for a prior call.
- Access control by Mifare RFID reader up to 1000 cards.
- Possibility of integration of analog camera by PE IBM board to the installation.

2- Elements of the HOME WIFI KIT Video Door Entry

2.1 PE 1BM Outer Plate



Entrance panel with high image quality camera and dim auto-detection system. It has a housing push button and Mifare RFID access control system. The PE 1BM plate is integrated into an aluminium protective visor, with an anti-loss screw system to be installed on the surface.

2.2 PFA 2420 Power Supply

Power supply with 2-wire BUS system. In addition to providing the necessary current for the system centrally, it is the intercom module between the PE 1BM board and the MON 43W monitor. It incorporates a short-circuit detection locking system in the installation and a DIN rail installation option.



2.3 MON 43W Monitor



MON 43W monitor with a high-quality 4.3" colour screen, with hands-free system and opening without the need for prior dialing. The MON 43W has the possibility of external viewing of the video intercom from the same panel of the monitor and it is manageable from the Ek Smart APP.

2.4 Extra accessories

1x Mifare Configuration Master Wrench.

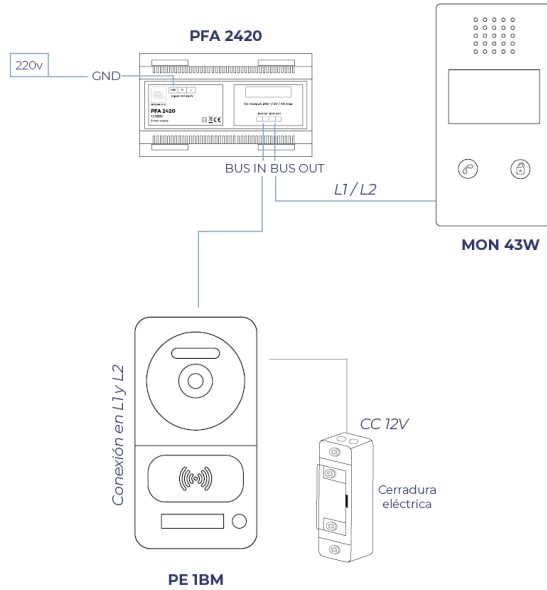
4x Screws and plugs for fastening PE IBM entrance plate.

1x Allen Key.

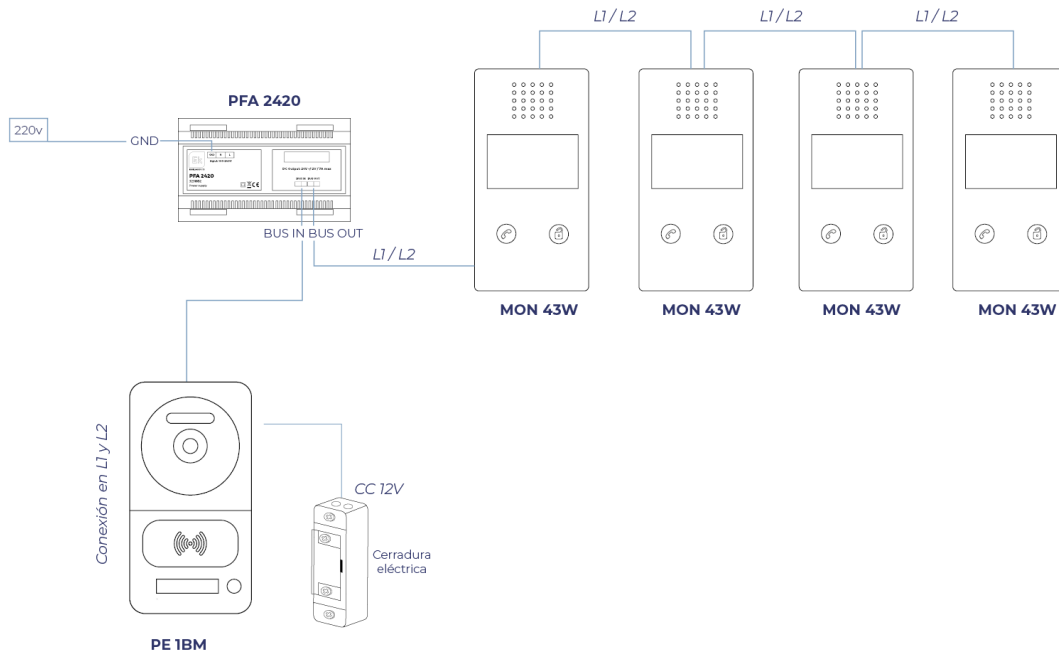
1x Connector.

3- Electrical diagram

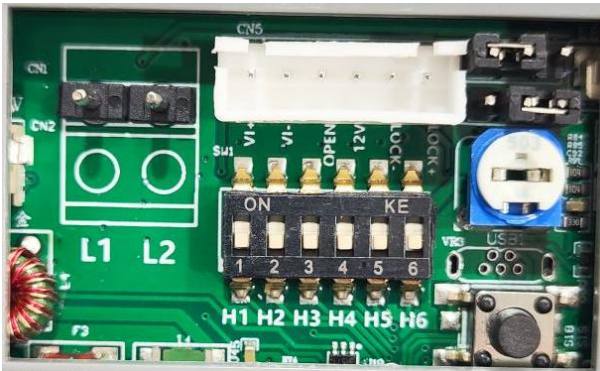
3.1 Schematic with a monitor



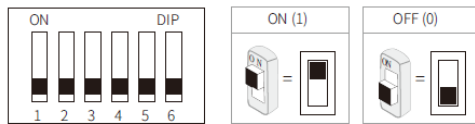
3.2 Schematic with four monitors



4- PE IBM Configuration

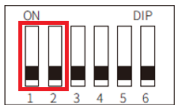


4.1 Configuring Dip Switches



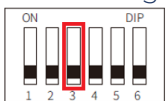
4.1.1 Setting ID to PE IBM Entrance Plate

In case of installing several entrance panels in the system, these two dip switches must be configured correctly. The first door station must be set to 00, the second to 10, the third set to 01, and the fourth set to 11. If there is only one gate station, it must be set to 00.



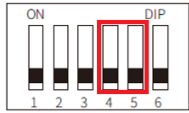
00	First Gate Station
10	Second Gate Station
01	Third Door Station
11	Fourth Gate Station

4.1.2 Setting the Ringtone (dip switch 3)



0	Ringtone Waiting On
1	Ringtone Waiting Off

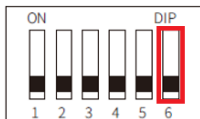
4.1.3 Door Opener Opening Time and Call Time
Dip switches 4 and 5 are used for this configuration.



00	1 second (Default)
10	5 seconds
01	10 seconds
11	15 seconds

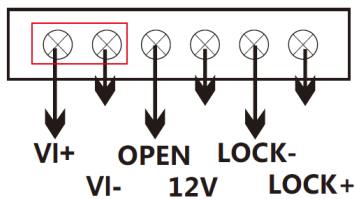
4.1.4 Additional Camera

If it is required to use an additional camera in the installation, it is necessary to activate it on dip switch 6 (Note: only one additional camera can be used per entrance panel).



0	No Additional Camera (Default)
1	Connection with additional camera

4.2 Connections



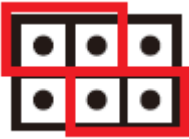



VI+/VI-: Analog Camera Connection.

LOCK-/LOCK+: 12V Door Opener Power Output (MAX: 800mA & 3.5A Direct Power).

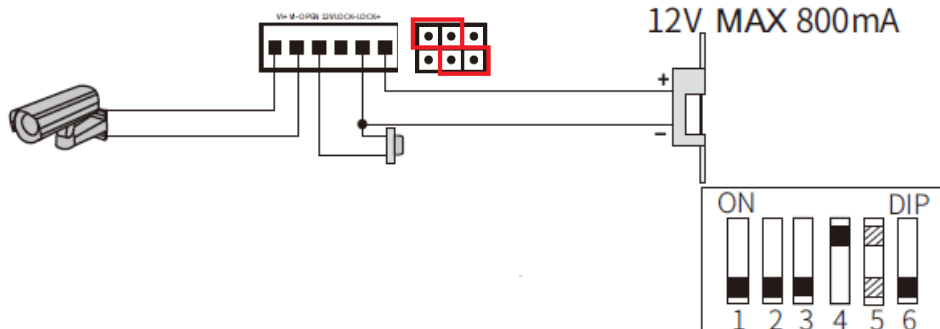
OPEN/LOCK-: Auxiliary door opener button.

12V/LOCK-: External power connection for the door opener (12V: COM).

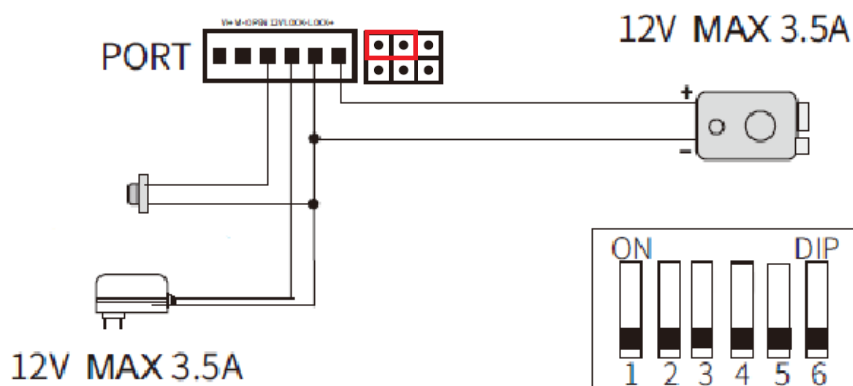
4.3 Types of jumper configurations

	<p>Power supply at 12V MAX 800mA (Relay in NW position)</p>
	<p>Continuous power supply at 12V MAX 800mA (Relay in NC position)</p>
	<p>Connection to external source (Relay in NC position) IMPORTANT: Maximum current 3.5A</p>
	<p>Connection to external source (Relay in NW position) IMPORTANT: Maximum current 3.5A</p>

Connection examples:



12V door opener connection with open contact, auxiliary door opener button and analogue camera.



Externally powered door opener connection and open contact and auxiliary door opener button.

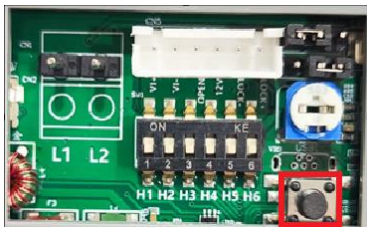
4.4 Mifare RFID Reader Configuration

Inside your KIT Home, you will find a Mifare RFID configuration master key. To add access keys, simply pass the master key and it will produce a first-read BEEP and then issue BEEP's indicating that it is in access card recording mode. Once the card recording mode is activated, pass as many cards as you want to add to your installation.

Once finished, hover the master card again to exit the mode.

4.4.1 Add Master Card

In case of loss of master card, you have the possibility to add one again. On the back of the PE 1BM entrance panel you will find a button to enable this mode.



Press and hold for 5 seconds until you hear a long BEEP. Swipe the card and you'll hear again in long confirmation BEEP.

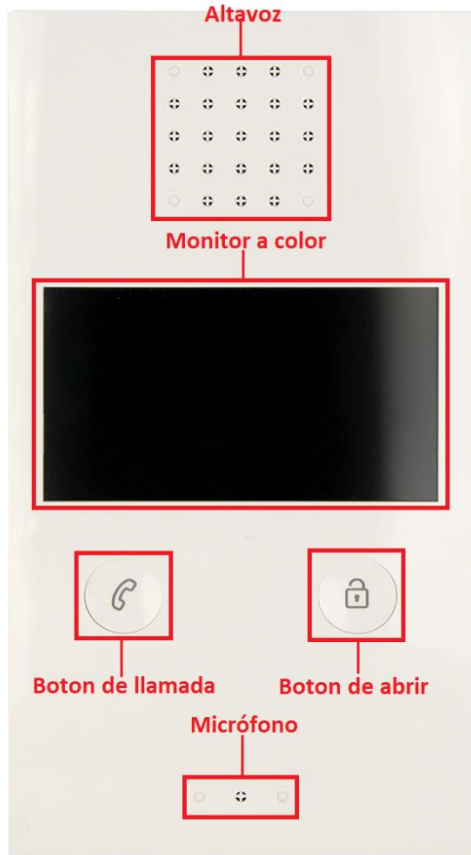
Note: Only one master key can be configured in the installation.

4.4.2 Factory Reset

To erase all Mifare RFID access cards from the PE 1BM entrance panel, press and hold the button on the back for 10 seconds.

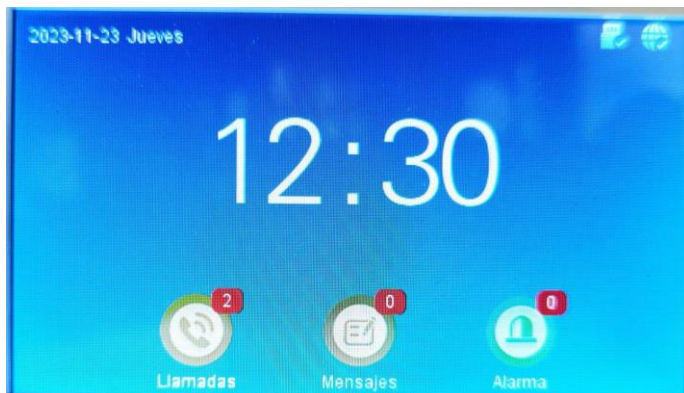
Important: This factory reset will erase including the configured master card. To reconfigure it, go to section 4.4.1

5- MON 43W Monitor



5.1 Navigation Pane

5.1.1 Main Panel



Three icons are displayed on the main page. Notifications of unanswered calls, messages if you have received a call in your absence and a message has been left for you (it is necessary to activate the answering machine beforehand, Section 5.5.1). On the top right, it will tell you if the device is properly connected to internet via WIFI and SD card detection.

5.1.2 Main Menu



Visualize: To be able to visualize the different analog boards and cameras that are in your installation.

Internal call: You will be able to make internal calls from video intercom to video intercom.

Log: Log of calls, messages, and alarm notices.

Settings: MON 43W ID configuration settings, Outer Plate, Connection, and Advanced Settings.

At home: Work mode configuration system.

At home: The device will ring normally.

Away from home: The device will ring normally.

Do Not Disturb: The device won't make a sound, but the screen will turn on.

Main: Will redirect you to the main dashboard.

5.2 Visualize

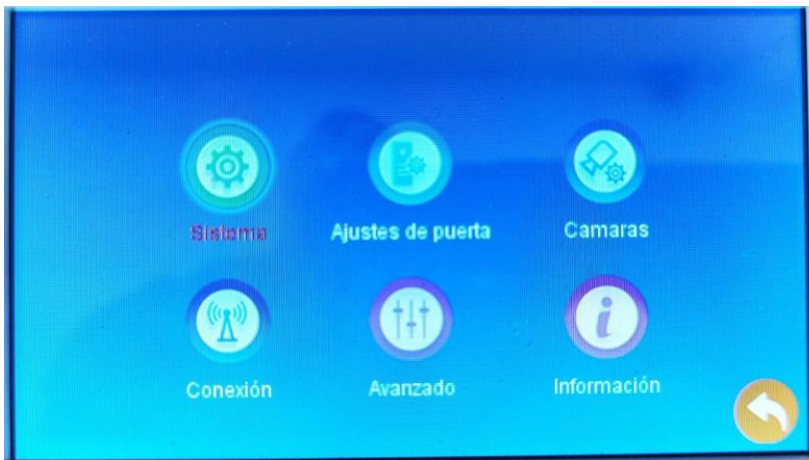


In the Display menu, you can view and manipulate the outer plates without prior marking. You will also be able to see the analog cameras installed, if any, in your facility.

5.3 Registration

In the log menu, you can see if you had a call while you were away, unread messages, and alerts.

5.4 Settings



5.4.1 System

On this screen you will be able to configure the basic settings of the MON 43W, such as device ID, date and time settings. It also has the language configuration and the automatic opening system by opening hours.



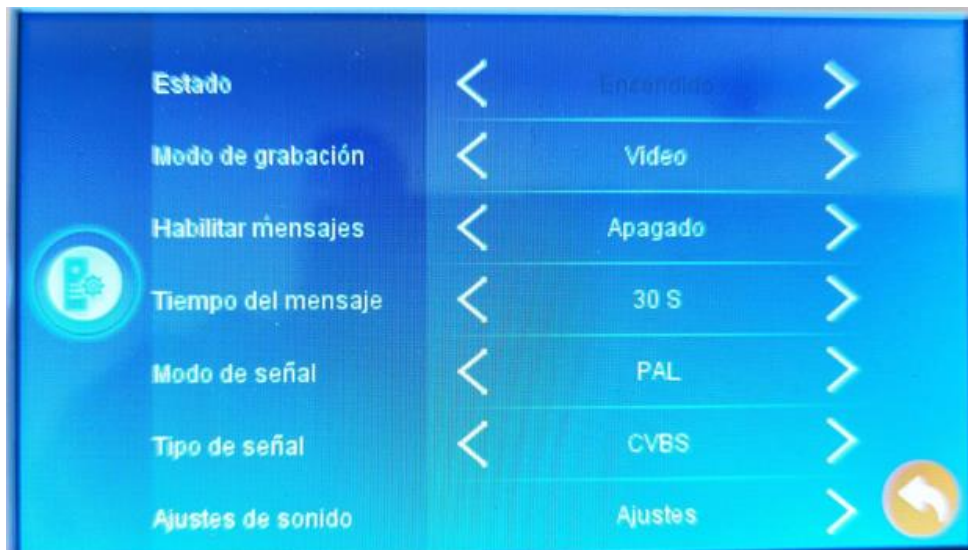
5.4.2 Automatic opening hours

To set an automatic opening time, select under Auto Unlock and change it to **On**. Please indicate the start and end time below.

In the **Week section**, indicate which days you want to set the automatic unlock, being 1 Monday and 7 Sunday.



5.5 Door Settings



In Door Settings, you can enable the video message box feature and automatic “Do Not Disturb” mode settings.

5.5.1 Enable Unanswered Mailbox



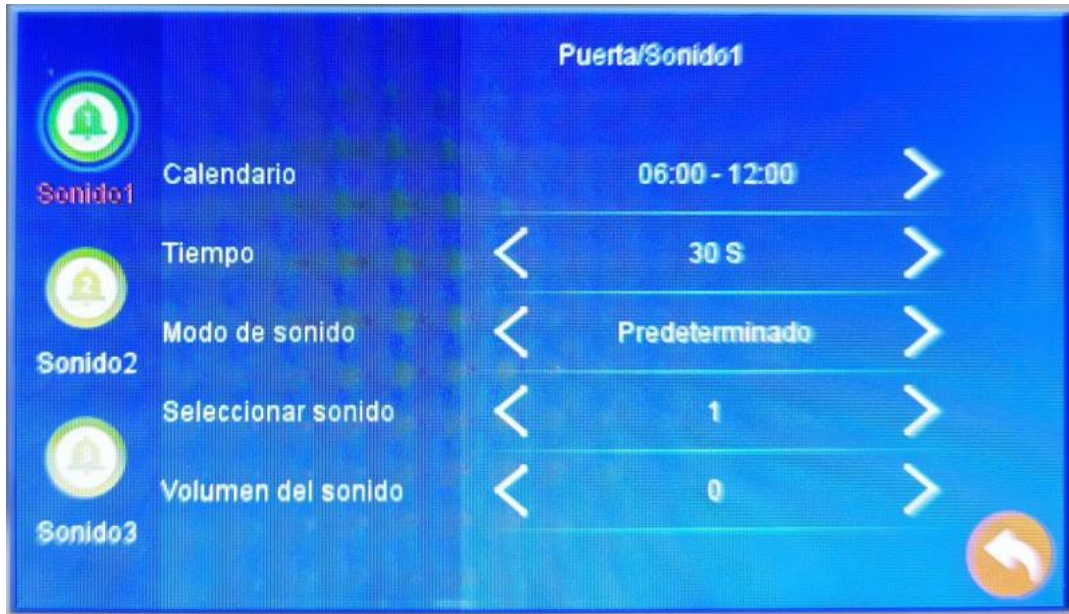
To turn on the callbox, go to **Enable Messages** and set it to Power. Set the duration of the message you want to save (Default: 30 seconds)

Note: If the call on the entrance panel is set to a shorter duration than the duration of the message, the message will not be able to respect the duration of this setting.

5.5.2 Sound settings

In Sound Settings you can configure 3 sound modes. In each mode you can select the ringtone, volume, and set them by schedule.

Note: If you want to turn on a "Do Not Disturb" mode to prevent unwanted calls during the night, select a mode, set the time you want to be undisturbed, and set the volume to 0.



5.6 Cameras

In this menu you will be able to configure the cameras of your installation (Maximum 2 cameras).

Note: Each camera must be connected to a PE IBM entrance panel.

5.7 Connection

In this menu, you can link the device to your Ek Smart account. Select the way you prefer to start the linking.

AP Mode

The MON 43W will generate a WIFI point for direct connection and configuration.

On the screen the SSID and password to connect will be displayed.

EZ Mode

The EZ mode device will turn on bluetooth and start auto-pairing for nearby devices.

5.8 Advanced

In this menu you will have the factory settings, format the SD card, update the device and restart it.

5.9 Mode Selection

The MON43W has three status modes.



At home

Standard configuration. Standard volume as set in the Sound Settings (Step 5.5.2).

Vacation

Standard configuration. Standard volume as set in the Sound Settings (Step 5.5.2).

Do not disturb

In this mode you will deactivate the ringtone of your MON 43W (Smartphone notifications will continue to work).

6- Connect MON 43W with the Ek Smart app

6.1 Download the Ek Smart App

To download the app, go to the Play Store or Apple Store on your mobile device and search for "Ek Smart" or access it using the following QR code:



Ek Smart

6.2 Enable pairing mode on the MON 43W

To activate the pairing mode you need to activate the wifi mode of the MON 43W.

1. Go to Settings, then Connection.



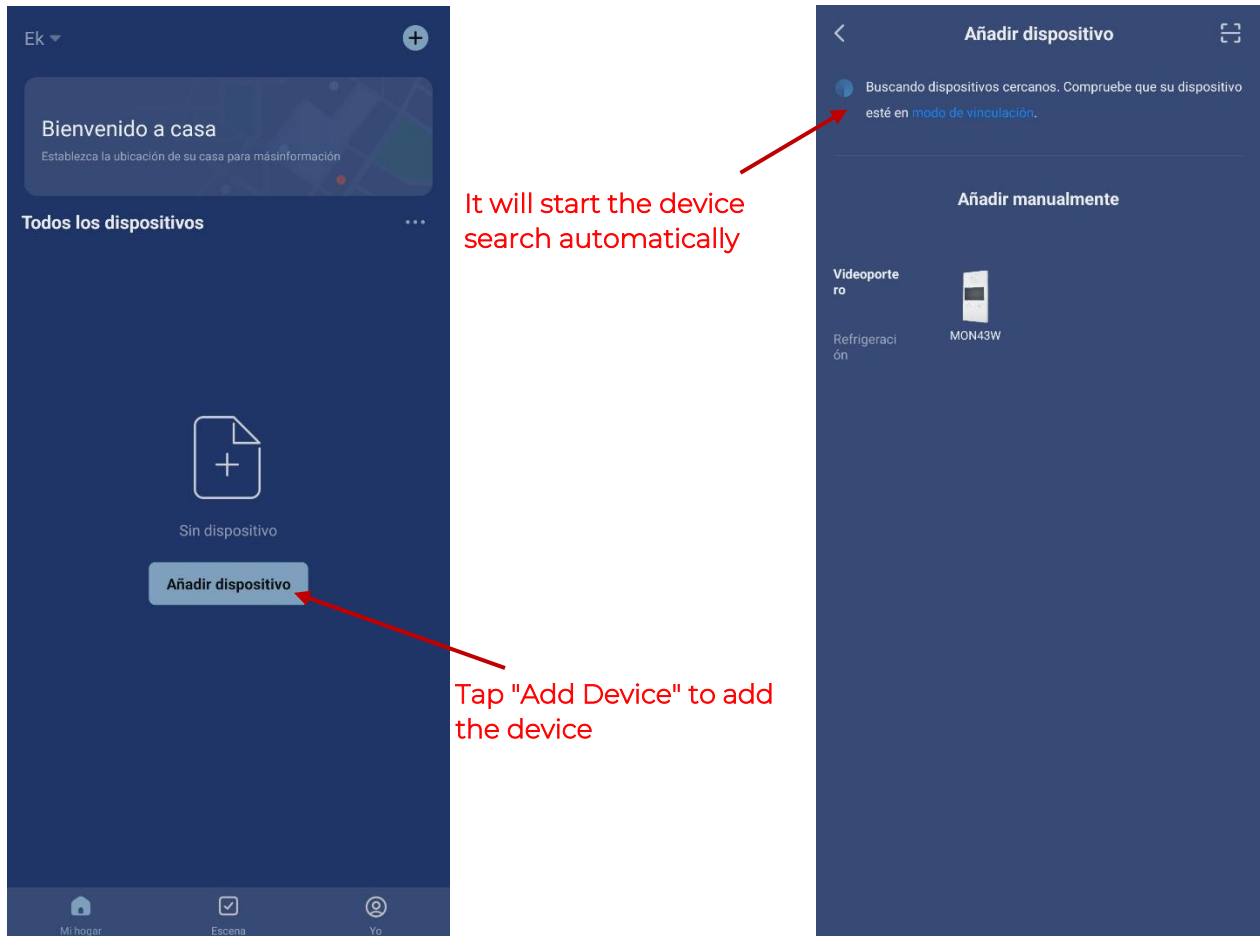
2. Select the type of connection you want (EZ Mode, AP Mode)

Selecting AP mode will ask you for confirmation to restart the device.

6.3 Add MON 43W to the Ek SMART app

6.3.1 Add Automatically

Step 1: Step 2:



Once you find the device, it will show you the device on the screen. Press "add" and it will launch the setup mode, WIFI connection and password will be required.

Note: Device auto-discovery requires Bluetooth enabled and "nearby device detection" permissions granted.

6.3.2 Adding Manually

If you want to add the device manually, you need to select the Video Door Entry Station, model MON43W category and follow the instructions that will appear on your mobile device.