FERMAX LYNX

The iLOFT LYNX telephone

FERMAX

en.

CONGRATULATIONS FOR BUYING A QUALITY PRODUCT!

Fermax Electrónica develops and manufactures premium equipment that meets the highest design and technology standards.

Your FERMAX telephone allows you to communicate with the outdoor panel and, if you wish, to open the front door. We hope you will enjoy all its functions.

www.fermax.com

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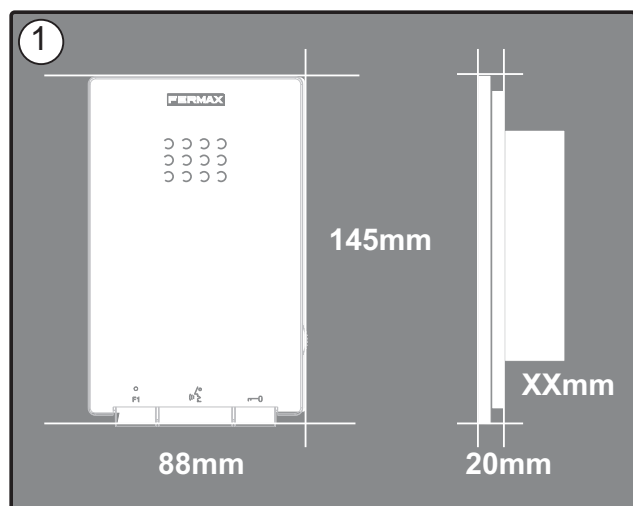
Any modification will be reflected in subsequent editions of this document.

Code 970100I V06_17

INDEX

The iLOFT LYNX telephone

iLOFT LYNX

1. INSTALLATION - TELEPHONE CONNECTION

1

145mm

88mm

XXmm

20mm

Telephone dimensions (H x W x D*):

146 x 90 x 20 mm

Notes:

- This telephone can be installed directly onto the wall or onto a standard box.

*- *XX: will depend on the standard box chosen.*

1.1 FITTING DETAILS - RJ45 CABLE INSTALLATION
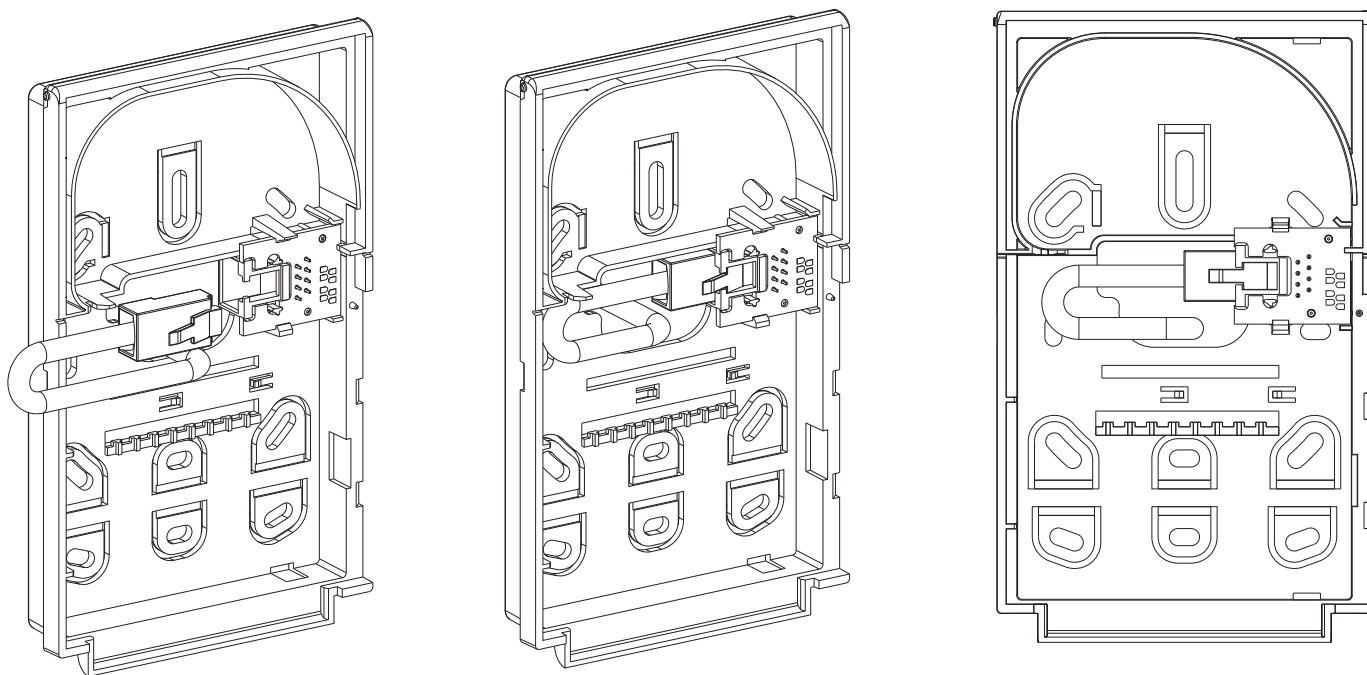
The iLOFT LYNX telephone only uses a RJ-45 connector, no other type of connector is available. This connector is used for both connection to the Lynx network and is powered by PoE.

Note: *This connector should support at least 50 connection-disconnection operations.*

For installation, you will only need a UTP cable running from the switch to where the iLOFT LYNX telephone is going to be installed. The cable should protrude by at least 10 centimetres, to facilitate the connection process. Male RJ45 connectors must be pre-installed at both ends of the cable, with no protection on the connectors.

In the case of anticipating a substitution of the iLOFT telephone for a Vivo monitor, it is necessary to install a standerd built-in box on to the wall to facilitate the migration process. The positioning height for the cable on the wall (or box) must be between 1.40 and 1.60 metres.

1 Connect the cable to the RJ-45 connector.

3 Put the excess cable back into the hole in the wall.

2 Fix the base onto the wall, using at least 4 of the screws and making sure they are well-tightened. It is recommended that the hole in wall is on the left side of the base to reduce the pressure from the cable onto the telephone circuit.

1.60m
1.25 feet
5.25 feet

4 Connect the cover to the base and make sure that the 6 clips are fitted correctly.

2. CONNECTIONS

2.1 CONNECTION

The iLOFT LYNX telephone only comes with a RJ-45 connecter. This connector is used for both connection to the Lynx network and is powered by PoE.

Once the installation and connection processes are finished, it is recommended to connect the switch and make sure that the telephone is booted up. This will be indicated by LEDS: first the green LED with turn on for 1 second, then the 3 LEDs will light up for between 15 and 20 seconds.

Next step is the programming, *see chapter 6. Configuration.*

3. DIAGRAM
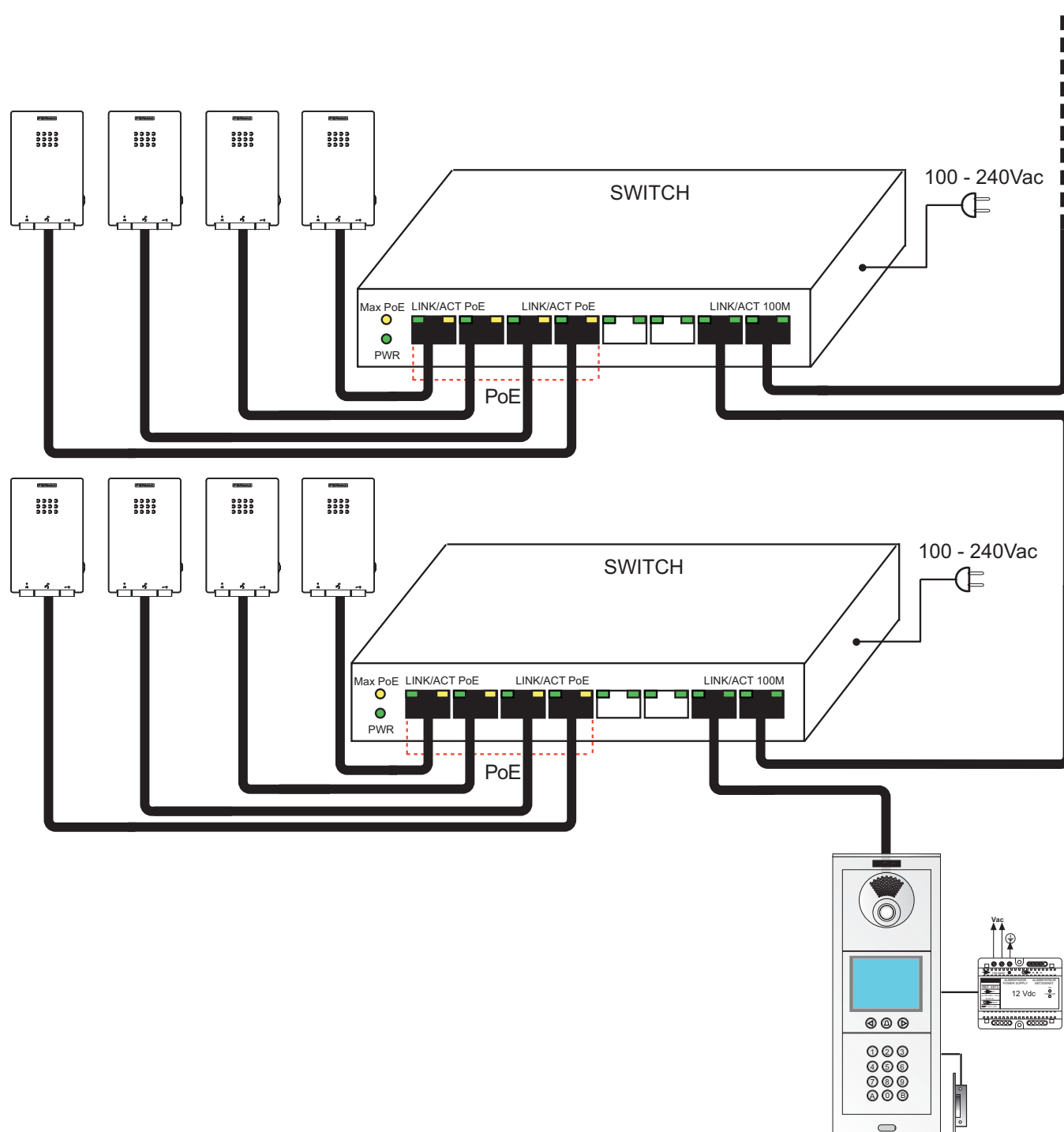
4. CAPABILITIES AND PARAMETERS

The iLoft telephone is only compatible with the following versions of firmware (or higher):
- Panel: R_V03.02.
- PMU (Property Management Unit): R_V03.00.
- Monitors: R_V03.02.

The iLOFT telephone allows audio calls to be made and received with all devices compatible with the Lynx network.

When there are several Lynx monitors and iLOFT telephones in the same apartment, unit 0 must always be the Lynx monitor. Maximum of 8 monitors and telephones in the apartment, (0...7).

Notes:

- Calls made to and from the iLoft telephone may not work properly in the first five minutes after device boot-up.

- In the case of call divert, if apartment terminal 0 is an iLoft telephone, but has a video licence, the diverted calls to the mobile will be made via video.

4.1 Configurable parameters and default values [ ]

BASICS

- IP Address 10.0.0.1:
  - Block: 0...99, [0].
  - Unit: 0001...8190, [1].
  - Extension: 0...7, [0].
  - Tag: 16 characters, [empty].
  - Red mode: The monitor's IP address can be configured by choosing between different modes, which are as follows:
    * Standard Lynx Mode, [0].
    * DHCP mode: 1.
    * Static IP mode: 2.

- Modes (STATUS):
  - Do Not Disturb Mode: [not activated].
  - Enable Doormatic: [disabled].
  - Doormatic activation: [deactivated].

- Melodies:
  - Outdoor panel: 0...4 [0 - SCALA].
  - Villa panel: 0...4 [2 - ORGANIC].
  - PMU: 0...4 [1 - PEACE].
  - External call (intercommunication between apartments in the facility): 0...4 [4 - FERMAX 2].
  - Internal calls (intercommunication between terminals the same apartment): 0...4 [3 - FER-MAX 1].

- Auxiliary functions (F1): 0...5, [0].
  - 0 Activation of second panel relay.
  - 1 Activation of external relay.
    * Group: 0...255, [0].
    * Module: 0...255, [0].
    * Relay: 0...255, [0].
    * Time (seconds): 1...255, [1].
  - 2 Call Divert.
  - 3 Doormatic.

- 4 Intercommunication.
- 5 Call to PMU (concierge).
  * Block: 00...99, [00].
  * Concierge (number): 00...99, [00].
- 6 SOS Panic Call.

ADVANCED

- LOGIN:
  - User: [admin].
  - Password: [admin].
  - Password confirmation.

- Firmware update.

- MAC Address.

- Firmware version.

- Firmware creation date.

- DATE:
  - Year/Month/Day: [2000/01/01].
  - Hours/Minutes: [00:00].

- SERVERS:
  - Server administrator: [10.201.100.0.].
  - Gateway: [10.254.0.1.].
  - Update server data and time:
    * None: [0]
    * PMU: 1.
    * NTP: 2.
  - NTP Server IP Address/Time zone: [0.0.0.0], -12...+12.

- RESET:
  - Parameters.
  - Factory settings.
  - Telephone restart.

- MOBILITY:
  - Mobility IP administrator.
  - Call divert:
    * OFF: [0].
    * ON: 1.
  - Device pairing [empty[1]].

Note[1]:

- Paired devices are stored in the Lynx router, therefore if the apartment has paired devices and are deleted locally due to a factory reset, they will synchronise again after a few minutes.

Call divert to mobiles (MOBILITY).

For call divert to mobiles to work, the following requirements must be met:
- There must be a Lynx router with internet access within the installation.
- The iLoft must be configured to the same IP as the Lynx router.
- There must be paired mobiles in the apartment.
- Call divert mode must be activated.

Note: *If call divert is going to be used, it is recommended that the LYNX and the static IP modes are activated.*

In this situation, when a call comes into the apartment, it will also come through to the mobiles, allowing for the call to be answered on the mobile devices. The call will be connected with the extension (apartment or mobile) that answered first.

5. TECHNICAL SPECIFICATIONS

The iLOFT LYNX telephone works with PoE switches class A and B.
- Consumption: • On standby: 28 mA.
   • Ringing/Conversation: 40 mA.

6. CONFIGURATION

The iLOFT LYNX telephonecan be configured to the needs of the user and of the destined Lynx installation.

The iLoft telephone can be configured in 3 ways:

• iLoft keys: Using the keys and the volume wheel. Due to the limitations of the interface, not everything can be configured.

• WEB: Via a web browser going to the iLOFT web server.

• NFC: Via the NFC Fermax configurator application ran on an Android device with NFC installed.

6.1 CONFIGURATION VIA PHONE KEYPAD

6.1.1. Volume / Do Not Disturb Mode.
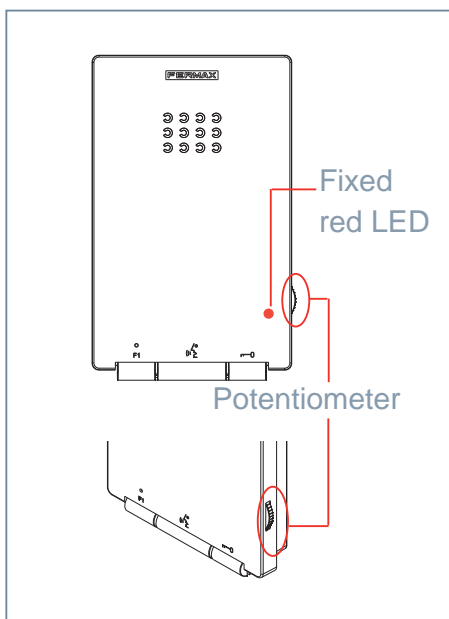
Fixed
red LED

Potentiometer

The user can adjust the device melody and ringtone volumes as well as in-call volume.

The **melody and ringtone volume** can be modified by scrolling the volume wheel up and down when on standby.

The **in-call volume** can be modified by scrolling the volume wheel up and down during a call.

They are independent of one another and can be distinct values.

If, whilst adjusting the call volume, the potentiometer reaches the minimum level the red LED will turn on indicating that the calls have been disconnected, **(Do Not Disturb mode).**

The disconnection affects all melodies that the telephone generates.

To **deactivate Do Not Disturb mode**, the potentiometer level must be set to one other than the minimum. The LED will return to its previous state.

Note:

- The blue LED will blink during an incoming call even if Do Not Disturb mode has been enabled or not.

6.1.2. Connect device (Mobile device pairing through iLOFT telephone).

When the apartment terminal is an iLOFT telephone, the LYNXed application for call divert to mobile devices can be used. If call divert is activated it must come from paired mobile terminals. The iLOFT telephone will emit a combination of audio tones which the LYNXed application will decode to establish the pairing.

To start the pairing process, push the conversation button ⟨⟨ on the iLOFT telephone for 5 seconds. A "whistle" will sound to confirm the pairing (PAIRING). Open the application to connect and select the iLOFT telephone.

Push the F1 button on the iLOFT telephone, after 5 seconds, the telephone will start to emit DTMF* tones and the application will start to decode itself. In the case of any error, the Error tone will be heard. Once the tones have stopped sounding, the application will complete the pairing process.

Note:

- It is only possible to pair one telephone simultaneously. If multiple DTMF tones are emitted simultaneously from two nearby devices, the tones could interfere with one another, causing errors in the pairing process.

Depending on the mobile device to be connected, this process will be different due to the mobile operating system it uses:

     a) iOS

     b) Android

For more details see 970039 manual on LYNXed Mobile Application on www.fermax.com

6.1.3. Activate Call Divert.

To activate call divert via the menu.

This can be performed directly from the F1 key, if F1 is configured as "activate call divert" and call divert status is inactivated.

The following steps must be performed:

• Press and hold the Conversation button for 5 seconds. A whistle will be heard and the word PAIRING.

• Press again (pushing once briefly) the conversation button ⟨⟨. A whistle will be heard and the words ENABLE CALL DIVERT.

• Press F1 to confirm the function´s activation. A whistle will be heard and the words CALL DIVERT ON.

6.1.4. Deactivating Call Divert.

To deactivate call divert via the menu.

This can be performed directly from the F1 key, if F1 is configured as "activate call divert" and call divert status is active.

The following steps must be performed:

- Press and hold the Conversation button ⸜ for 5 seconds. A whistle will be heard and the word PAIRING.
- Press again (pushing once briefly) the conversation button⸜. A whistle will be heard and the words ENABLE CALL DIVERT.
- Press again (pushing once briefly) the conversation button⸜. A whistle will be heard and the words DISABLE CALL DIVERT.
- Push F1 to confirm the activation of the function. A whistle will be heard and the words CALL DIVERT OFF.

6.1.5. Unpairing all mobile devices.

To unpair all mobile devices you need to:

- Press and hold the Conversation button ⸜ for 5 seconds. A whistle will be heard and the word PAIRING.
- Press again (pushing once briefly) the conversation button⸜. A whistle will be heard and the words ENABLE CALL DIVERT.
- Press again (pushing once briefly) the conversation button⸜. A whistle will be heard and the words DISABLE CALL DIVERT.
- Press again (pushing once briefly) the conversation button⸜. A whistle will be heard and the words UNPAIR ALL DEVICES.
- Press F1 to confirm the function´s activation. A whistle will be heard and the words DELETED ALL DEVICES.

6.1.6. Melody Selection.

It is possible to change melodies for incoming calls. The telephone allows distinct melodies to be applied depending on the origin of call:

- Panel

- Concierge

Access the "melody-selection" mode

From standby mode:

Melody for call coming the Panel:

1. Press and hold the ⸜ button for between 5" and 10". After 5" the telephone will beep, if the ⸜ button is released it will remain in melody configuration mode and the panel´s current melody will be heard and the red LED will blink slowly.

2. Press the F1 button to select the melody (cyclic sequence). Confirm the selection by pushing the ⸜ button. Red LED - will blink slightly faster.

iLOFT LYNX

BEEP

5"-10"   5"

Slowly blinking red LED

F1
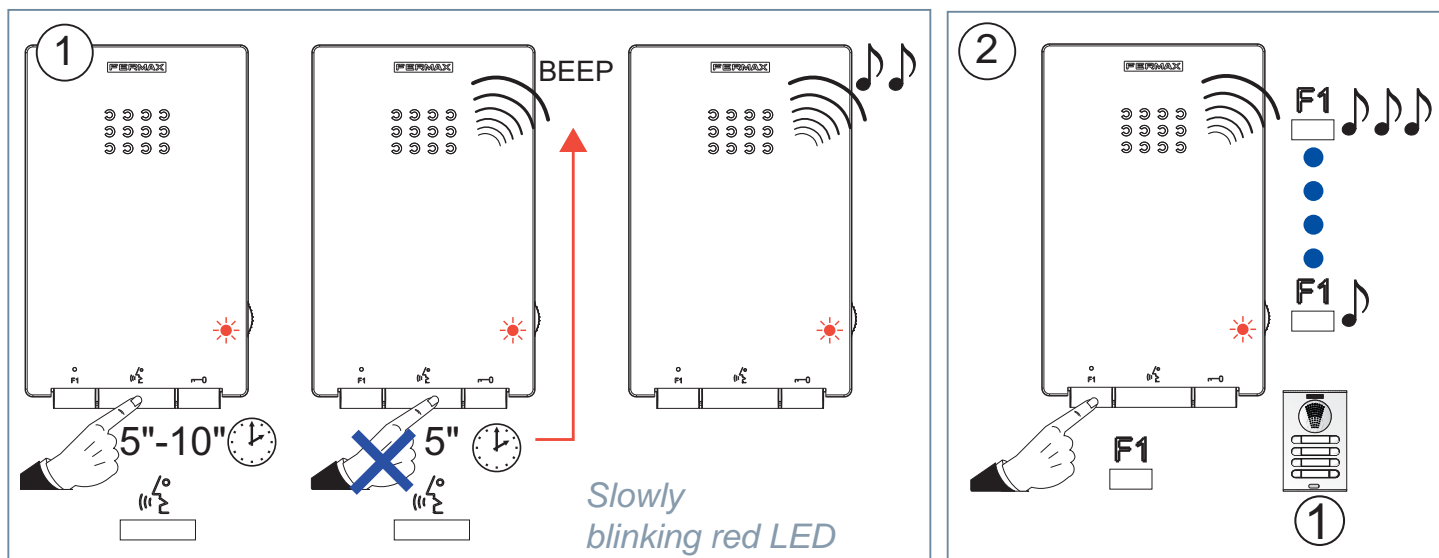
Melody for call coming from PMU (concierge):

3. Once the panel melody has been confirmed, the current PMU melody will be heard and the red LED will blink slightly faster, (distinguish the melody selection between the panel and PMU).

4. Press the F1 button to select the melody (cyclic sequence), confirm the selection by pushing the 🔔 button. Red LED - will switch off. Telephone will return to standby mode. The melody configuration process has finished.

Red LED will blink faster

F1
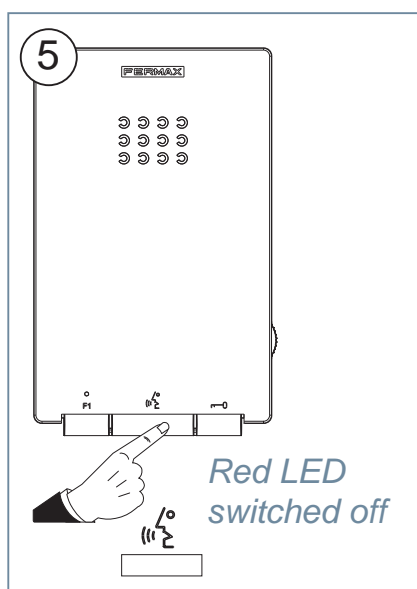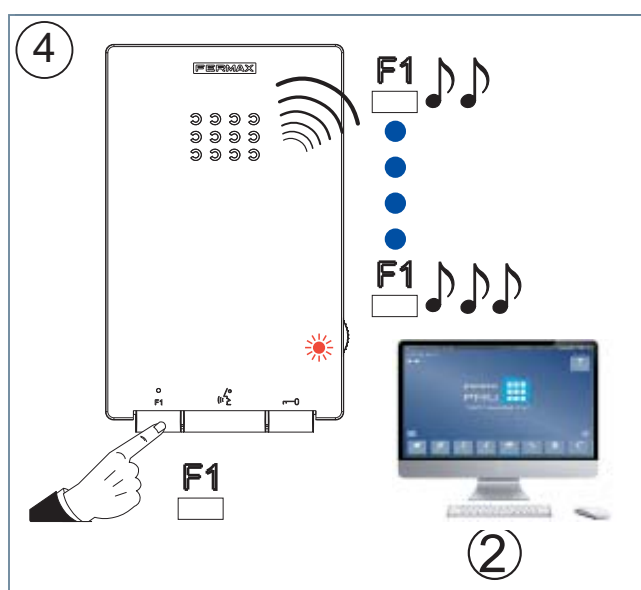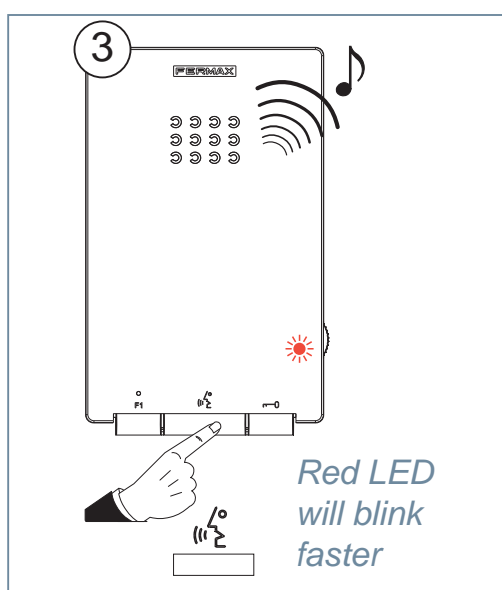
Exit melody selection (standby mode):

5. From being in "PMU melody selection" after pushing the 🔔 button, the telephone will return to standby mode (red LED will switch off) as well as after 30 seconds if no button has been pressed.

Notes:

- *The current melody for each option will be heard when selected.*
- *The melody volume will depend on the value adjusted by the side potentiometer.*
- *The volume can be adjusted whilst the melody sounds.*

Red LED switched off

6.1.7. Automatic opening (DOORMATIC).

If activated, when a call is received from the outdoor panel the lock release will activate after 5 seconds. You will have 30 seconds to answer the call. The call melody will continue to sound for those 30 seconds, if continuous mode is selected, or if the call has not already been cancelled.

The door release function is disabled by default.
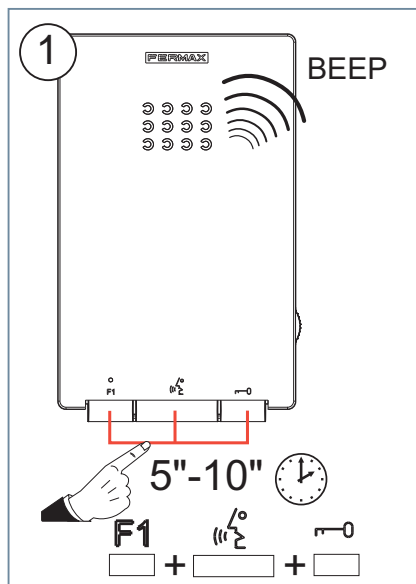
1. To **enable** this status, the three following buttons must be pushed down simultaneously for between 5" and 10" until hearing a BEEP: the F1 button, button, and button. The BEEP indicates that the mode is ENABLED.
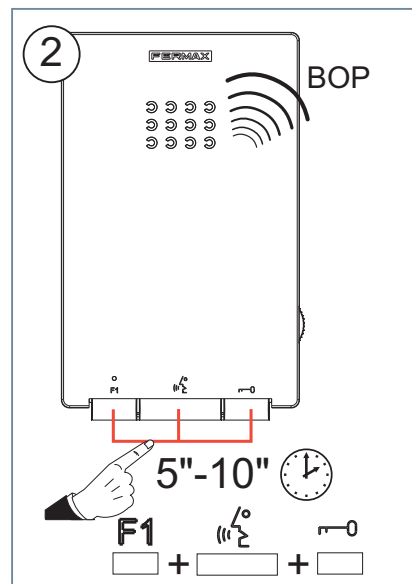
2. To **disable** this status, the three following buttons must be pushed down simultaneously for between 5" and 10" until a BOP is heard: F1 button, button, and button. The BOP indicates that the mode is DISABLED.

If doormatic mode is not enabled, it cannot be activated. For the telephone to have the doormatic function, it must have been previously enabled. Normally the installer enables this and decides whether or not the user can use this function.
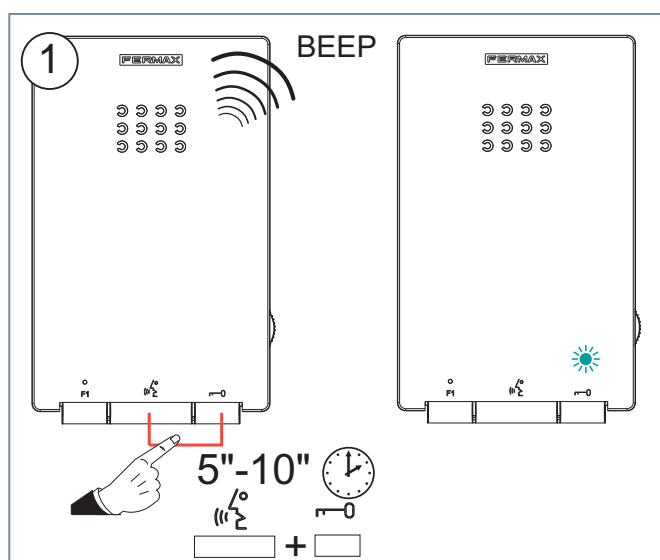
1. To **activate** the operation, the and buttons must be held down simultaneously for between 5" and 10" until the green LED blinks and a BEEP is heard.

Once activated, the door will automatically release with the call.

Note:

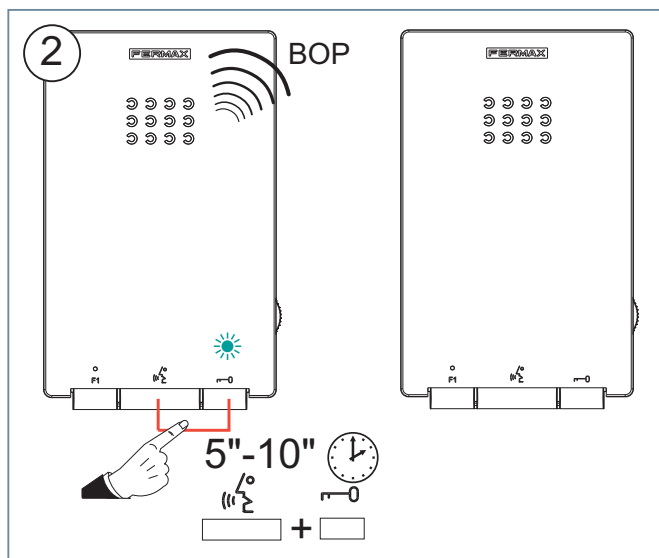- *The automatic door release function CANNOT be activated if it has not been previously enabled.*

2. To **deactivate** the operation, the 《꿀 and ⌐-o buttons must be held down simultaneously for between 5" and 10" until the green LED switches off and a BOP is heard.

Note:

- *The **F1** button can be configured to **activate/deactivate** the Doormatic mode when pressed. See section 6.2.3. Configuration Screen of Basic Parameters.*

6.1.8. Reset default values.

To set certain default parameters on the phone without deprogramming the IP address for the telephone, (useful for when the user has doubts over the pre-programmed parameters).
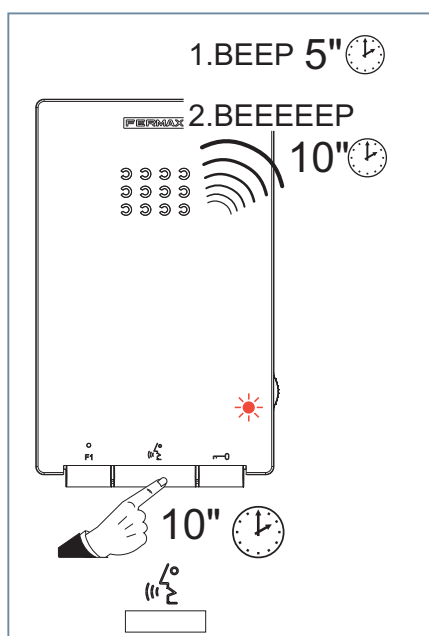
Hold down the 《꿀 button for 10 seconds. The telephone will produce a BEEP after 5" and a long BEEP after 10" and will set the following default parameters:

- Melodies for calls coming from:
  - o Panel: SCALA.
  - o PMU (Concierge): PEACE.
  - o Villa panel: ORGANIC.
  - o Communication between apartment terminals: FERMAX 1.
  - o Communication between different apartments: FERMAX 2.
- Audio volume: LEVEL 4
- Ringtone volume: 4.
- Doormatic: disabled.
- F1 Function: Activation of the second panel relay.

6.1.9. Reset to Factory Values.
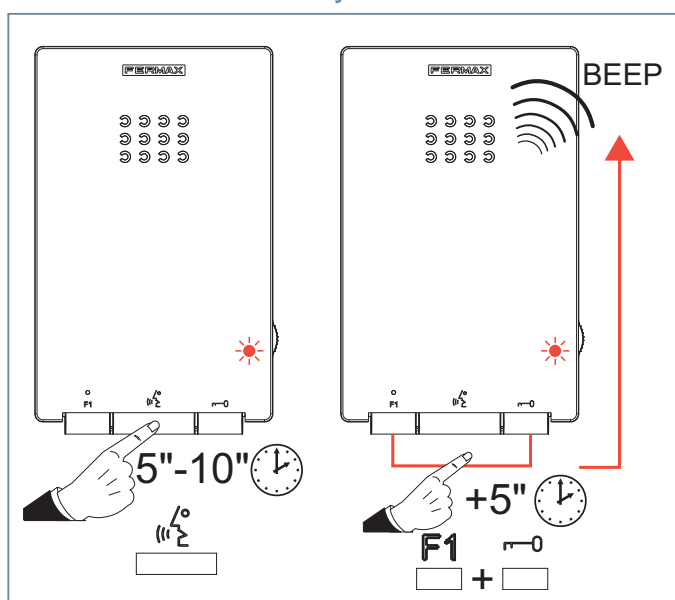
You can reset the telephone to its factory settings by first entering into the melody mode by pressing the 《꿀 button for 5" and 10", then when iLOFT is in standby mode, simultaneously press the F1 and ⌐-o buttons, after 5 seconds, a BEEP will be heard.

Note:

- *After performing this operation, all fields will have the values indicated in the section: 4.1 Configurable parameters and default values [ ].*

6.2 CONFIGURATION VIA THE WEB

The iLOFT LYNX telephone has a web server in which you can configure all parameters for the device.

Notes:

- Changes made in the configuration will take **4 seconds** *to update.*

- For more details on Access to the Web Server, see the in manual code 970022 LynxWeb-Server, available on www.fermax.com, sections:

  • *Computer configuration to allow access to the Lynx web server.*

  • *Connection.*

  • *Access.*
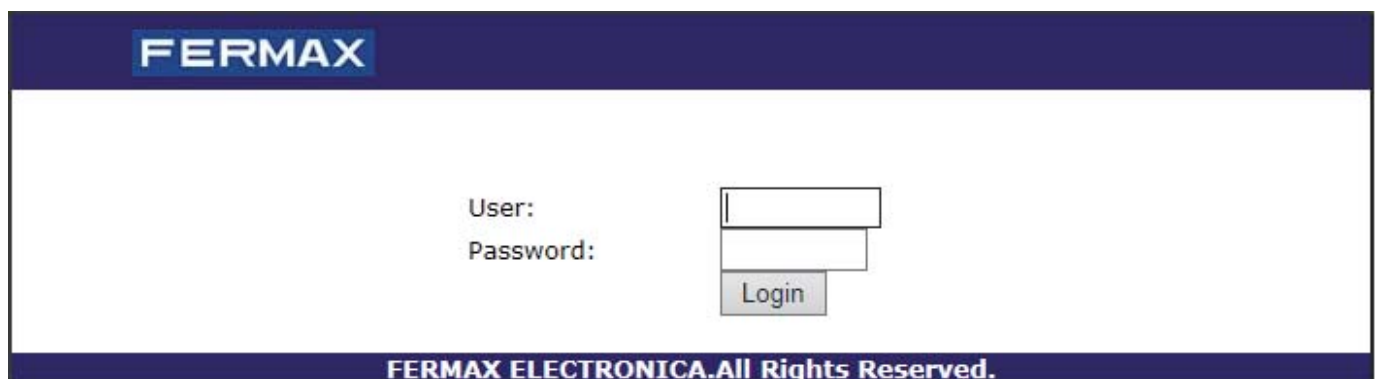
The Lynx web server can be accessed via the computer´s web browser by entering into the address bar the corresponding IP address for the telephone you want to configure. The default IP address for the telephone is: 10.0.0.1. Once entered you will see the screens which detail as below:

6.2.1. Login Screen.

On this screen, the person who wishes to configure the telephone must identify themselves with their username and password.

The default values for username and password are:

o User: **admin**

o Password: **admin**

6.2.2. Start Screen.

On this screen you must select the parameters that you wish to configure: basic or advanced.

6.2.3. Configuration Screen of Basic Parameters.

On this screen, it will be possible to adjust the following parameters:

Identification. Login.

• **ADDRESS.** Telephone IP address.

- Block. Block number.

- Unit. Apartment number.

- Extension. Extension number.

- Telephone Tag. Tag description: Maximum of 16 characters.

- Network mode. Network mode:

  * Standard Lynx. Standard Lynx Mode: Lynx addressing, an IP will automatically be assigned once the device has been configured: Block, Unit, Extension...

  * DHCP. DHCP mode: An address is automatically assigned from a DHCP server existing in the network.

  * Static IP. Static IP mode: Static addressing. The installer can assign an IP address.

- Netmask. Network mask.

- Gateway. Gateway IP address.

• **STATUS.** Modes:

- Do not disturb. Do not disturb can be activated/deactivated.

- Enable doormatic. Enable/Disable of automatic lock release.

- Doormatic. Activation/Deactivation of automatic lock release.

• **Ringtone** Melodies linked to:

- Outdoor Panel.

- Private Panel.

- PMU. (Property Management Unit) or Concierge.

- House to House. External call, intercommunication between apartments within the installation. *See User section: Operation / Calls from another apartment.*

- Phone to Phone. Internal call, calls to all devices within the same apartment.

• **Auxiliary Functions F1.** Possible configurations for the auxiliary F1 button:

- Second Door Lock. Link F1 to the second panel relay.

- Relay Activation. Link F1 to an external relay:

  * Group. Group number.

  * Module. Module number.

  * Relay. Relay Number.

  * Time sec. Relay activation time in seconds.

  Note: In the case of an addressing that is not Lynx (DHCP/Static IP) the IP for the relay decoder must be provided.

- Doormatic. Link F1 to the function which activates automatic lock release.

- Intercom. Internal call, calls to all devices within the same apartment.

- Mobility call divert. Activation of call divert to mobile devices.

  Note: If call divert is going to be used, it is recommended that the LYNX and the static IP modes are activated.

⚒ iLOFT LYNX

- SOS. Panic call, read-only field as this is automatically configured if there is a PMU (Concierge) ALARM. (Alarm reception in PMU enabled).
- Guard Unit Call. Call to a determined PMU (Concierge) in the block. The PMU is identified by:

  * Block. Block number.
  * PMU. (Concierge), concierge number.

FERMAX   **iLoft Web Configurator**

[Logout]

Home > Basic parameters

Identification

ADDRESS:		STATUS:	
Block:	0	☐ Do no disturb	
Unit:	88	☐ Enable doormatic	☐ Doormatic
Extension:	0		
Telephone Tag:	iloft_pmu		
Network mode:	Standard Lynx ▼		
IP address:	10.0.0.88		
Netmask:	255.0.0.0		
Gateway:	10.254.0.1		

Ringtones

Outdoor Panel:	FERMAX1 ▼	☐ Continuous Ringtone
Private Panel:	FERMAX1 ▼	☐ Family Member Access
PMU:	PEACE ▼	
House to House:	FERMAX1 ▼	
Phone to Phone:	FERMAX1 ▼	

Auxiliary Functions (F1)

○ Second Door Lock   ○ Intercom

○ Relay Activation   ○ Mobility call divert

  Group: 000 ▼

  Module: ▼ Time (Sec.): 001 ▼   ● SOS

  Relay: 000 ▼

○ Doormatic   ○ Guard Unit Call

                            Block: 00 ▼

                            PMU#: 00 ▼

[Save]

Advanced parameters

6.2.4. Configuration Screen of Advanced Parameters.

In this screen the following parameters can be modified of or the following actions can be performed:

Settings.

• **LOGIN.** Change username and password to connect to the web server:

  - User. By default: admin.

  - Password. By default: admin.

  - Confirm Password. Password confirmation.

• **INFO.** Information, shows the MAC Address and current FW firmware version for the device:

  - FW Update. Allows update to device firmware, *see section: 6.2.4.1 Process of updating FW.*

• **DATE.** Allows DATE to be changed.

  - Year.

  - Month.

  - Day.

• **TIME.** Allows TIME to be changed.

  - Hour.

  - Minutes.

Servers.

  • **Admin Server.** Shows IP administration server address, PMU (Concierge).

  • **Gateway.** Gateway IP address.

  • **Date & Time Server Update.** Shows whether or not a NTP server is used to automatically update date and time.

  - NTP Server. NTP Server, if this is marked, the date and time will be updated from a NTP server. For this, you will have to configure the NTP sever address. Additionally, the time difference with respect to GMT 0 must be indicated.

  - None. No Server, if this is marked, the date and time will not be updated from a server. Once telephone is started, date and time will be lost.

• **Reset.**

  - Erase Parameters. Delete parameters, to apply all default parameters on the telephone, *see section 6.1.8. Reset default values*, to know which parameters change the default values.

  - Factory Reset. Factory reset to re-establish factory settings.

  - Restart. Restart the iLOFT telephone.

• **Mobility.**

  - Mobility Manager IP. Mobility IP administrator. Lynx router IP address.

  - Divert Mobility Call. Call divert. Allows activation/deactivation of call divert.

  - Device table: List of devices in the apartment that are paired/in process of being paired. It includes the following information:

    * Device Name. By default this is an automatically generated code, although this will reflect the name chosen from the mobile application.

iLOFT LYNX

* IP Address. IP address of mobile device.

* Username. Code of device used in the VPN connection to the mobility network.

* Type. ANDROID_DEVICE for Android devices and IOS_DEVICE for IOS devices.

* Licence. Video/Audio or Audio.

- Delete. Devices can be unpaired individually by selecting and deleting it via the Delete option. Once the desired devices have been deleted, the Save button must be pushed to apply changes.

- Delete All. All devices can been unpaired via the Delete All option. The Save button must be pressed to apply changes.

6.2.4.1 Process of updating FW.

To update FW, a firmware file must be selected from the previous page (marked with a circle). The update file will be provided by Fermax. It is a compressed file and the extension is **.bz2**.

Once the files has been selected, the Update button must be pressed. Once completed, the iLOFT telephone will start the update process which is made up of the following steps:

1. The file will be uploaded from the PC to the iLOFTtelephone. The web browser will show the progress percentage for the file upload *(this is a native function of the web browser, therefore this will depend on the browser used).*

2. Once the file has been completely uploaded, the iLOFTmust perform some internal operations. The web browser will indicate that it is awaiting a response from the iLOFTtelephone. Finally, if all has gone well, the iLOFT telephone will restart and the web interface will show a message indicating as such.

3. In this moment the iLOFT will start the FW update process and the green LED will remain illuminated until the process has been completed.

4. Once the process has been completed, the telephone will restart. This will be indicated by the 3 LEDs being switched on.

5. Once restarted the update process will be complete. The LEDs on the telephone will turn off.

6. To check if the version shown in the web interface has changed, return to the previous page (marked by a square).

Note:

- This process can take 5 to 10 minutes.

- After performing the firmware update and before entering the login into the web server, the web browser´s cache must be deleted.

6.3 CONFIGURATION VIA NFC MOBILE APPLICATION

Fermax NFC configurator is a mobile application, which allows iLOFT LYNX telephone configurationvia the NFC interface.

Notes:

Currently, only the iLOFT LYNX telephone is equipped with the NFC feature, but the application is ready to work with Fermax devices on all of which the NFC interface will be implemented in the future.

- The application has been developed only on and for the Android platform. Compatible with Android version 4.0 or above.

- The application will only work with mobile phones equipped with NFC.

- Some mobiles can have a slow NFC connection installed (it is less stable and can cause connection failures), in such cases there is a NFC waiting time, over which the mobile device advises that the application is not connected. In this case, the Back button can be pressed to try reconnecting.

The way to use the application is:

1. Open the application on the mobile phone equipped with NFC and activate NFC.

2. Bring the mobile phone closer to the Fermax device.

3. The telephone will present the username and password, *(this is just an internal process to avoid any other person with an NFC telephone accessing the Fermax device).*

4. The mobile phone will recover the Fermax device model.

5. In accordance with the Fermax device detected, the application will present the forms with the corresponding parameters.

6. The installer will provide the values for the parameters.

7. The installer will press the Save button (disk icon) 💾 .

8. The installer will bring the mobile phone closer to the Fermax device.

9. The application will input the new configuration for the parameters in the Fermax device and will confirm if the input operation has been performed correctly.

Note:

- During the configuration process, the changes can take 5 seconds to appear on the iLOFT LYNX telephone and in the web server.
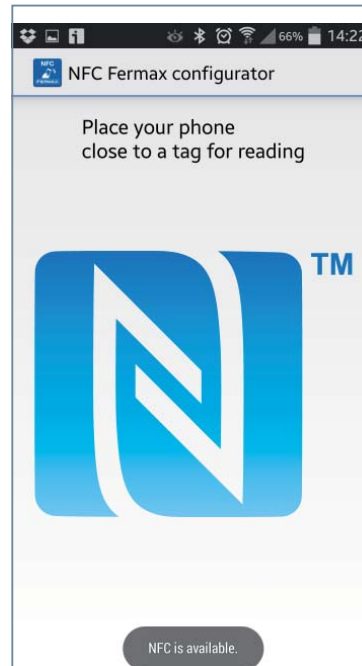
The functions available to the user will be the following:

- Read the device configuration.

- Input a new configuration into the device.
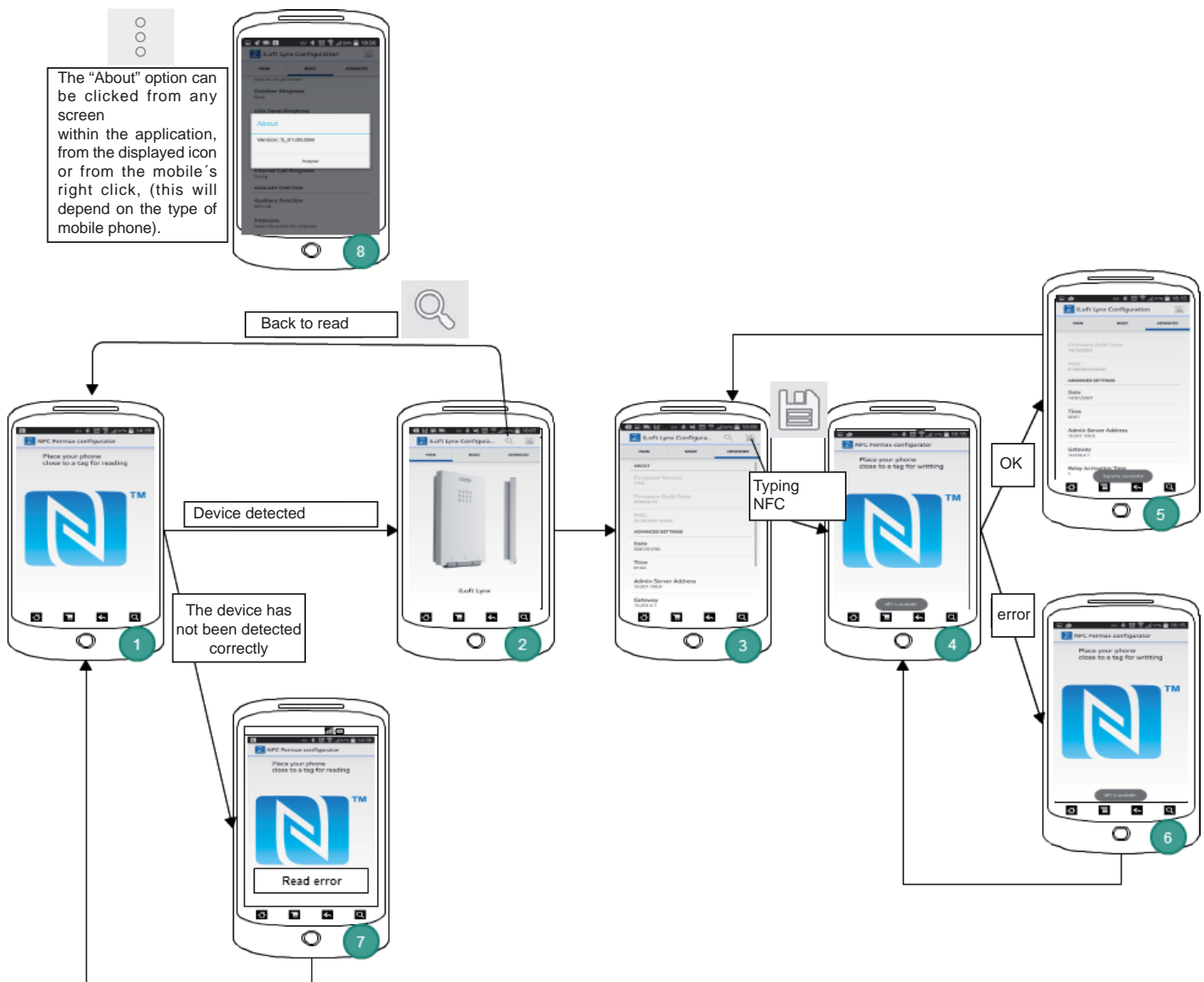
- See the version of the application.

6.3.1 iLOFT Telephone configuration process

6.3.1.1 Operating diagram for mobile phone and Fermax NFC configurator application.
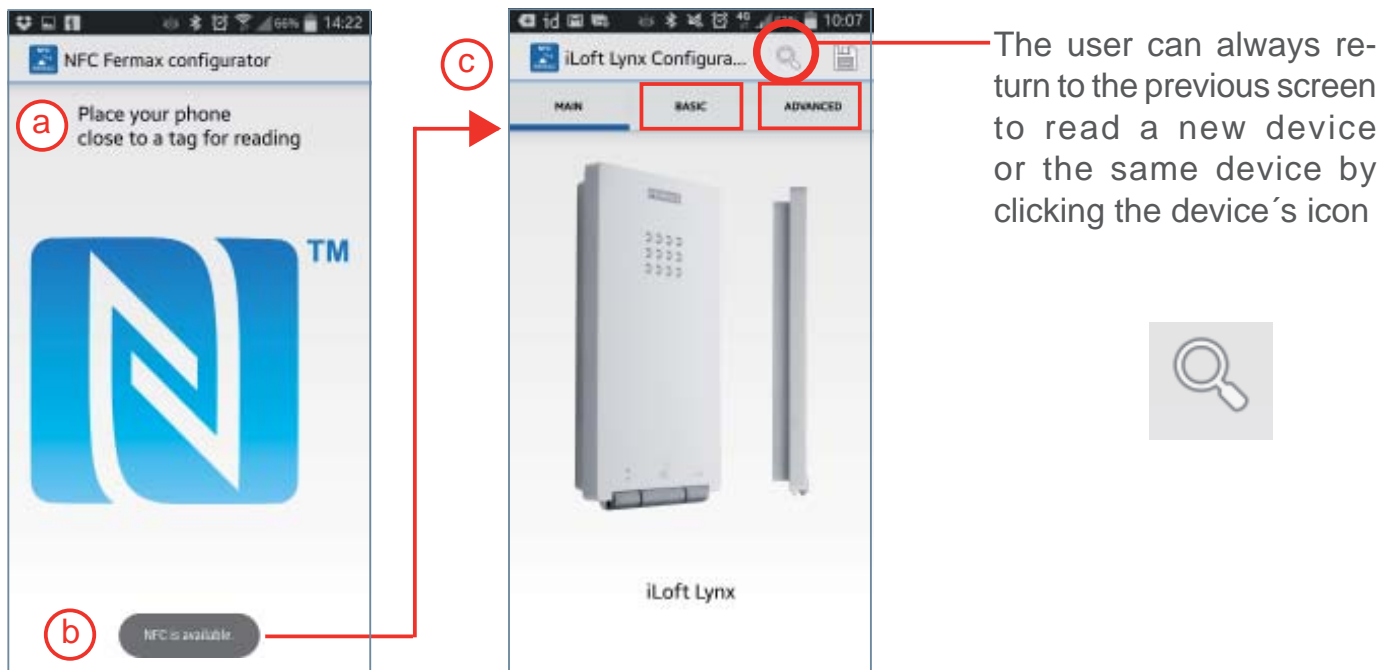
Application icon and start screen:

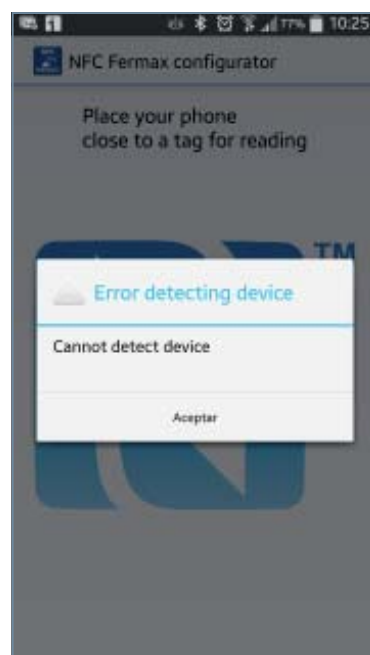General diagram of the screens and interaction with the mobile.

The "About" option can be clicked from any screen within the application, from the displayed icon or from the mobile´s right click, (this will depend on the type of mobile phone).

Back to read

Device detected

The device has not been detected correctly

Typing NFC

OK

error

Read error

6.3.1.2 Home screen.

a) The application will ask for the mobile phone to be brought closer to the Fermax device to start the operation.

b) In the lower part of the screen the message "NFC is available" will appear if the mobile phone is equipped with NFC technology. If this is not the case, the following message will appear "NFC is not available".

c) This is the screen that will be shown when the application has detected the model of the Fermax device: it will show a photo of the device and the name in the lower part of the screen. In this case, the iLoft Lynx device will been shown. From the home screen (MAIN), it is possible to access the following screens:

- Configuration Screen of Basic Parameters (BASIC).

- Configuration Screen of Advanced Parameters (ADVANCED).

The user can always return to the previous screen to read a new device or the same device by clicking the device´s icon

If a device is not detected, the following screen will be shown:

6.3.1.3 - Configuration Screen of Basic Parameters (BASIC).
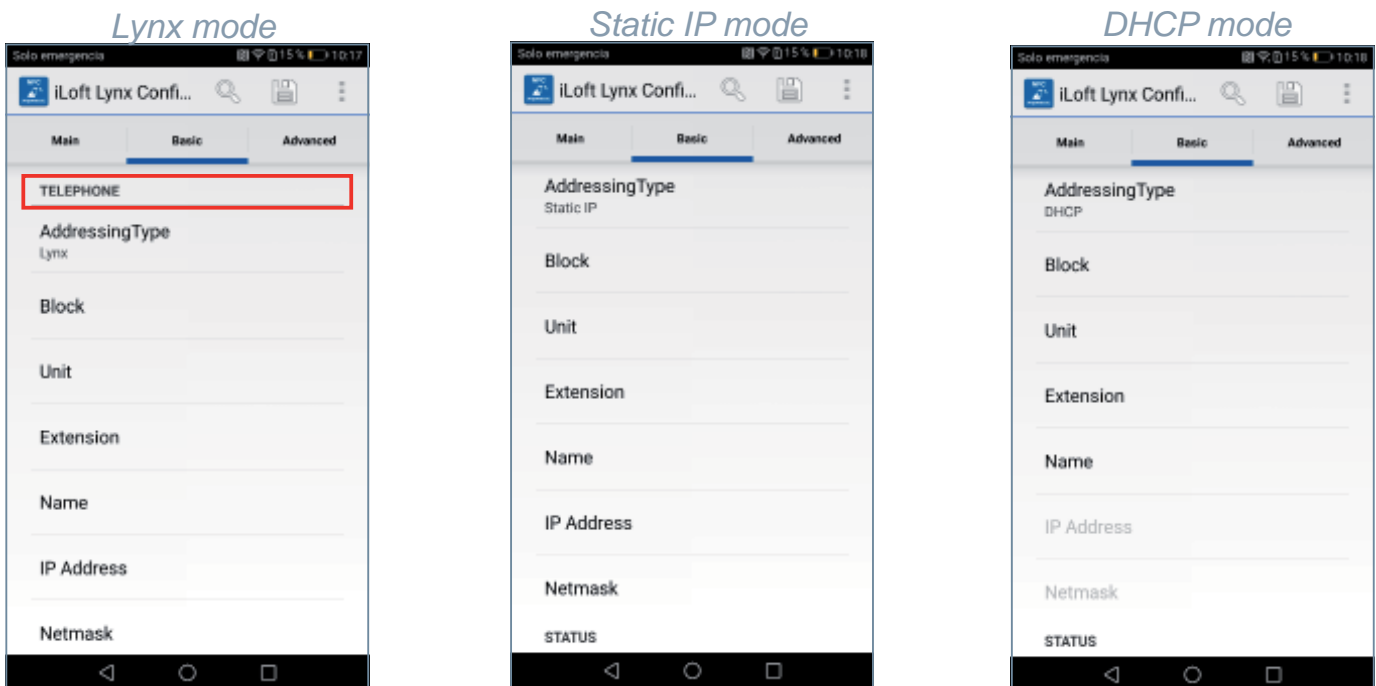
This is the screen which configures the basic parameters:

Telephone

Via the "Addressing Type" field, the device operation mode is chosen from these three options:
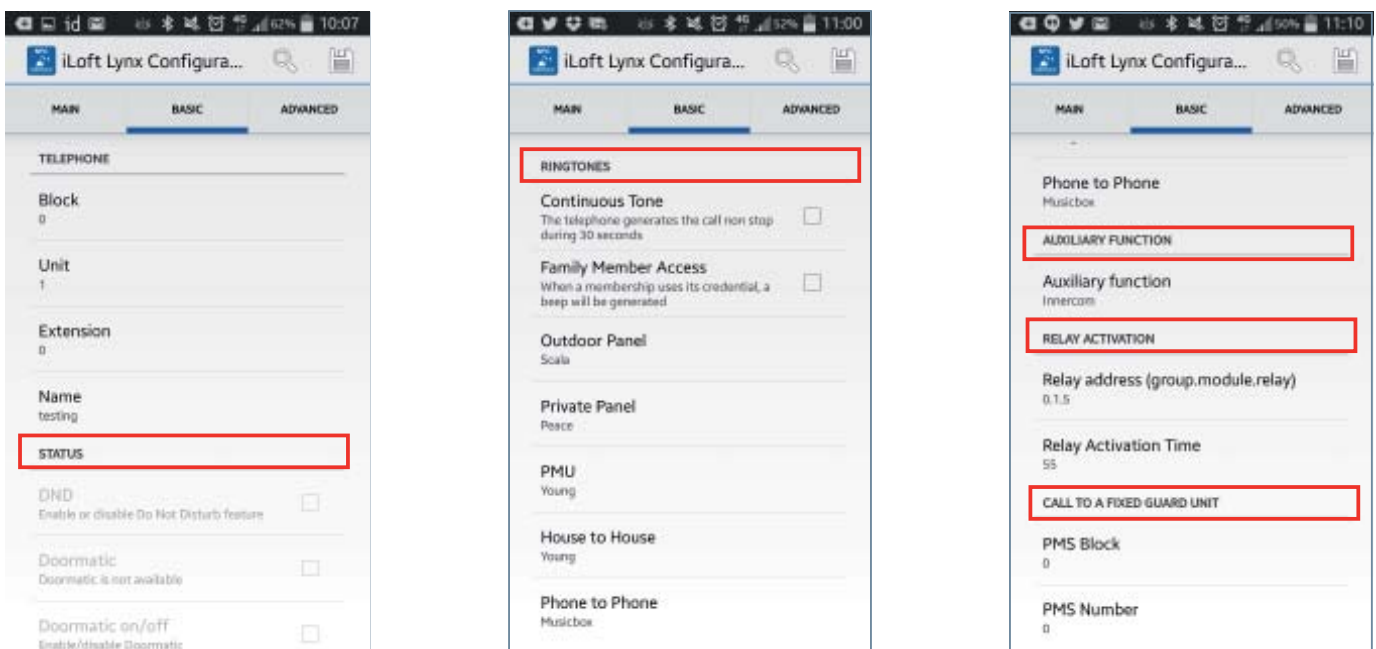
• Lynx
• Static IP
• DHCP

In accordance with the value in this field, what is shown to the user changes, according to what appears in the following table:

| Lynx mode	Static IP mode	DHCP mode

Note:

- *The difference between the last two modes is that in DHCP mode new fields are read-only, whilst in Static IP mode fields are editable.*

- *The sections in grey cannot be modified, they are information sections and show the current device status.*

Continued are the rest of the elements that can be configured in the BASIC section.

Telephone.

Depending on the option selected, the installed fields will change as indicated in the previous page. The complete list of fields is:
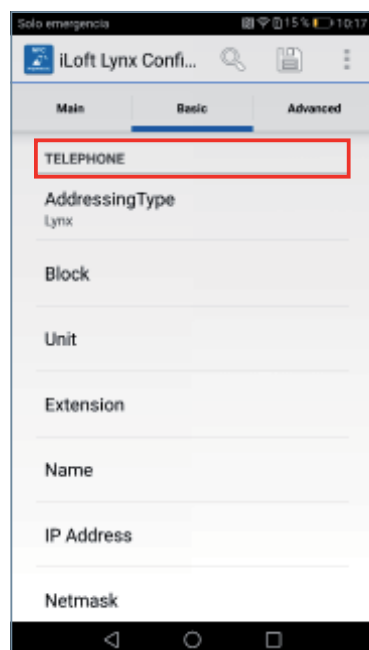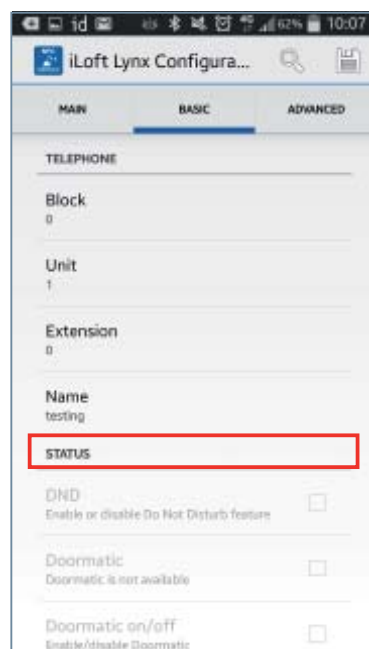

- **Telephone.**
  - **Addressing Type.**

    Note: *Only if the Lynx mode is selected will the IP address be automatically calculated, in accordance with the values shown below.*
  - Block. Block number.
  - Unit. Apartment number.
  - Extension. Extension number.
  - Name. Tag description: 16 characters. Is an optional field. This tag is shown in Vivo monitors to identify this device.
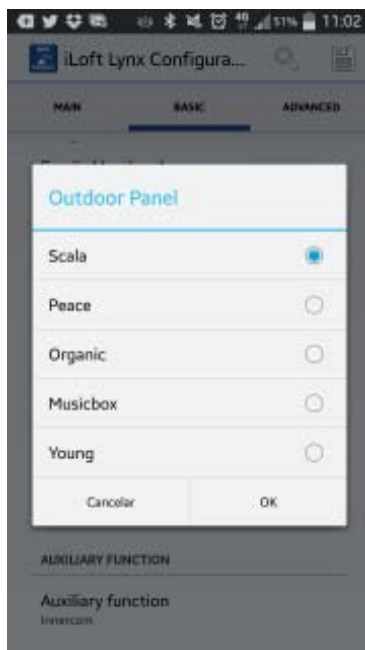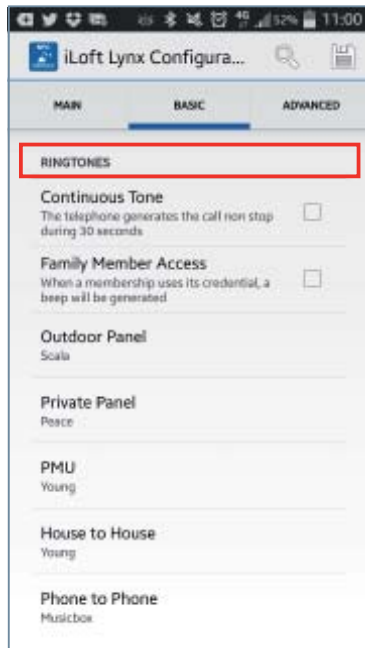 - IP Address.
  - Netmask.

Status.

Is an read-only information section. Shows the current status of the DND and Doormatic services. Does not allow modifications:
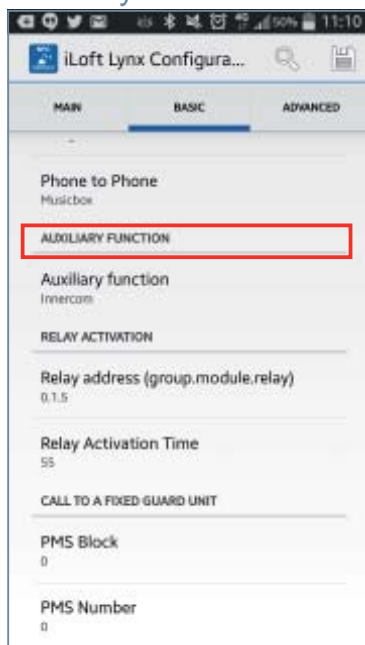

- **STATUS** (Modes):
  - DND / Do not disturb.
  - Doormatic. Doormatic availability.
  - Doormatic on/off. Doormatic activation.

Ringtones.

• RINGTONES (Melodies)

- Continuous Ringtone: Continuous telephone ringtone for 30 seconds. If the ringtone duration is shorter, it will repeat as many times as necessary until the end of the ringtone time.

- Family Member Access: If active, the iLOFT LYNX telephone will whistle when a family member uses their access card to access the building.

Melodies associated to different call sources: Allows call ringtone selection for each of the following.

- Outdoor Panel.

- Private Panel.

- PMU. Concierge.

- House to House. External call, intercommunication between apartments within the installation. *See User section: Operation / Calls from another apartment.*

- Phone to Phone. Internal call, calls to all devices within the same apartment.

To change the ringtone of any call source, the user should click and choose from the selection list.

This window shows the list of ringtones available. If the user selects one the ringtone will be played.

Auxiliary Function.

○ AUXILIARY FUNCTION

- Auxiliary functions (F1).
  Allows the function which will be linked to the auxiliary F1 button on the telephone to be selected. The screen will show the option selected at the time. If then selected, possible configurations for the auxiliary F1 button can be chosen from the selection list.
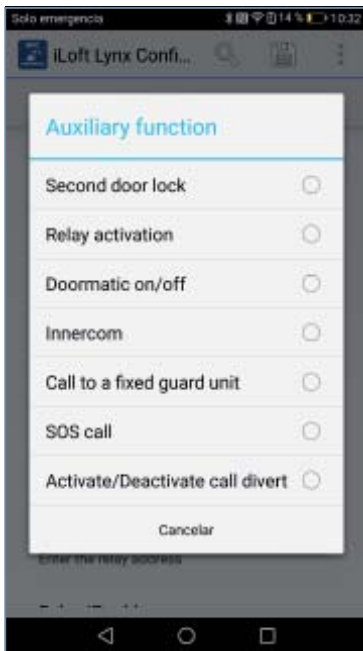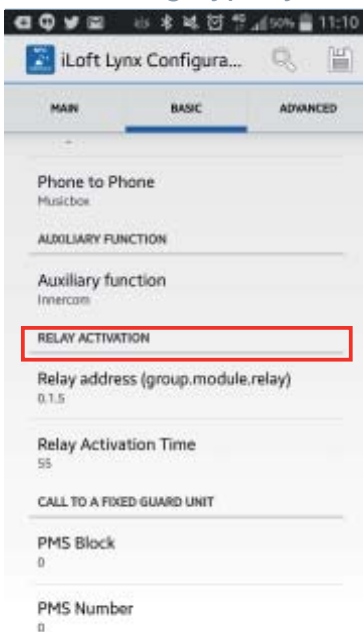
Possible configurations for the auxiliary F1 button:

- Second relay activation. Link F1 to the second panel relay. *Functions programmed by default.*

- Relay Activation. - Link F1 to an external relay.

- Doormatic on/off. Link F1 to the function which activates automatic lock release.

- Innercom. Internal call, calls to all devices within the same apartment.

- Call to a fixed guard unit. Call to a determined PMU (Concierge) in the block.

- SOS call. Panic call. Read-only field as this is automatically configured if there is a PMU (Concierge) ALARM.

- Activate/Deactivate call divert, to be able to receive calls on mobile devices.

Relay Activation.

Addressing TypeLynx   *AddressingTypeStatic IP or DHCP*
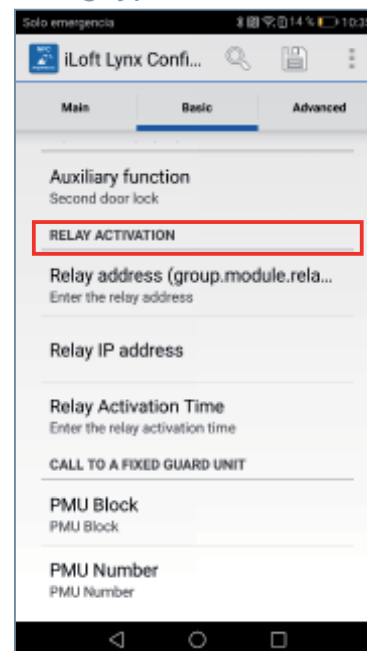
- **RELAY ACTIVATION**. Allows configuration of parameters for relay activation.

  Note: If the element is clicked on, different parameters can be selected to be configured.

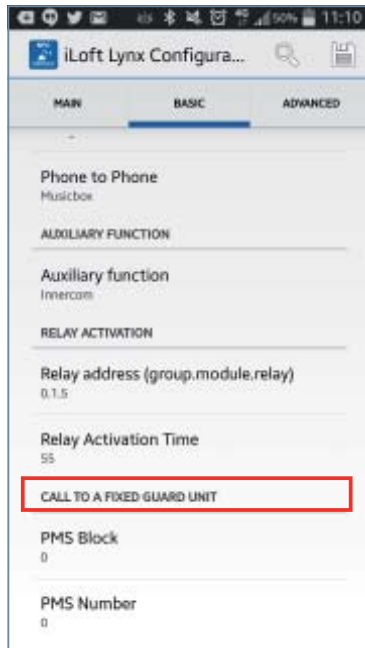 - **Relay address** (group, module, relay):
    * Group. Group number.
    * Module. Module number.
    * Relay. Relay Number.
  - **Relay Activation Time** (sec). Relay activation time in seconds.
  - **Relay IP address**.

Call to a fixed Guard Unit.

- **CALL TO A FIXED GUARD UNIT**. To configure the concierge block (PMU) which will receive the call.
  - **PMU Block.** Block number.
  - **PMU Number.** PMU, concierge number.

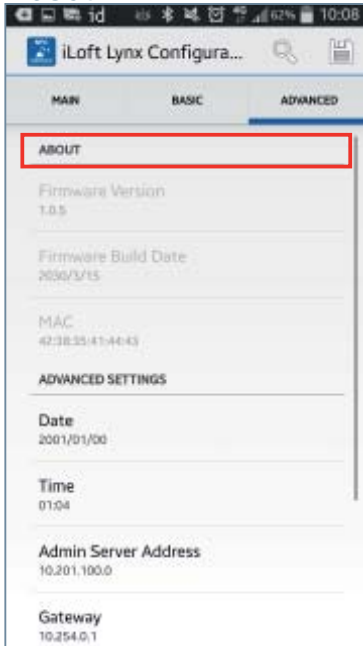## 6.3.1.4 - Configuration Screen of Advanced Parameters (ADVANCED).

This is the screen which configures the advanced parameters.

Note:

- The sections in grey cannot be modified, they are information sections and show the current device status.
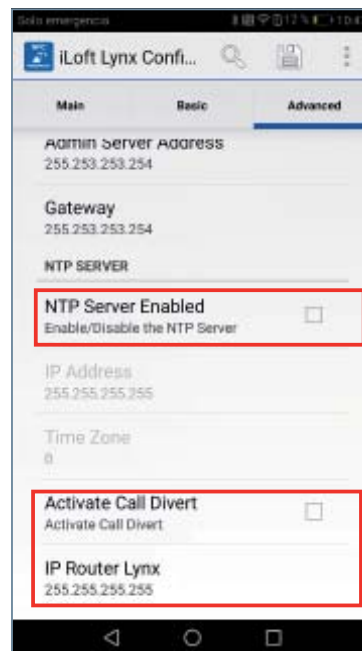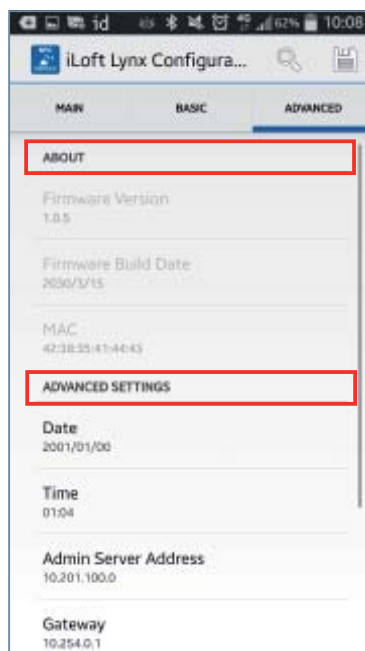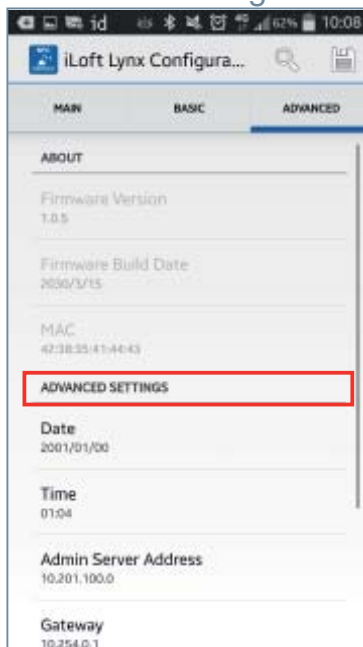
About.

- **ABOUT**. Shows information on the device.
  - Firmware version.
  - Firmware Build Date. Creation date of the firmware version.
  - MAC.

Advanced settings.

- **ADVANCED SETTINGS**.

  Notes:

  - *If the element is clicked on, the different parameters to be configured can be selected.*
  - *Changing the time from the NFC app will refresh in the iLoft webserver after 15 seconds.*
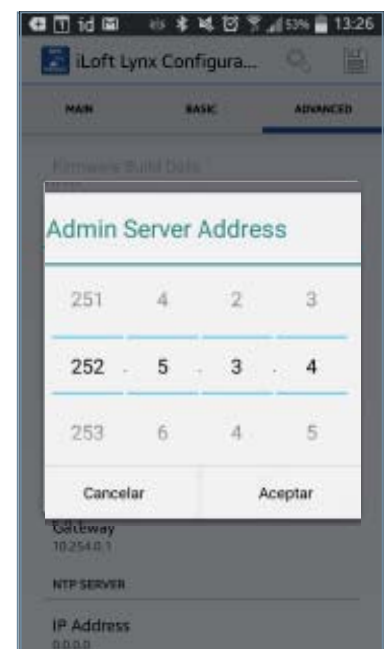
  Date. Allows DATE to be changed.
  - Year.
  - Month.
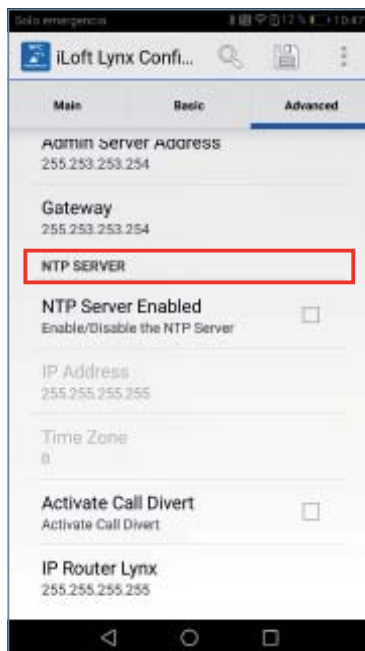 - Day.

  Time. Allows TIME to be changed.
  - Hour.
  - Minutes.

  - **Admin Server Address.** Admin server address. Allows changes to the admin server IP address.

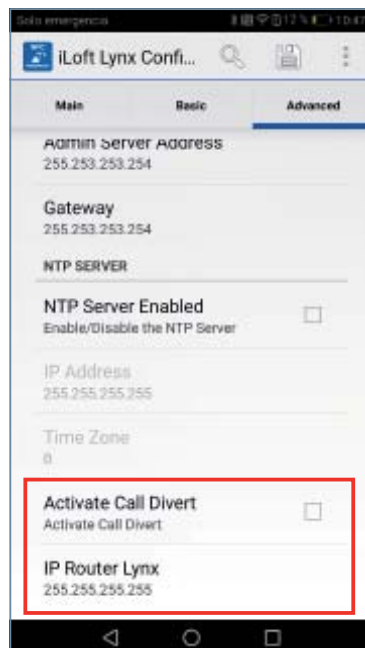 - **Gateway.** Allows changes to the gateway IP.

NTP Server.

NTP SERVER. Allows the NTP server to be used or not for the automatic update of the date and time.

- IP Address. Configures the address of the NTP server.

- Time Zone. To indicate the time zone with respect to GMT 0. Indicates in which time zone the device is installed. (-12 .. + 12).

Mobility fields.

MOBILITY

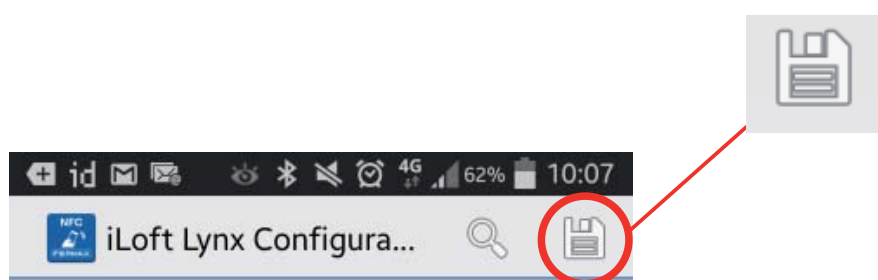These two fields on mobility will be shown:

- Activate call divert. A checkbox field to activate or deactivate call divert.

- LYNX Router IP. For the introduction of the LYNX router IP.
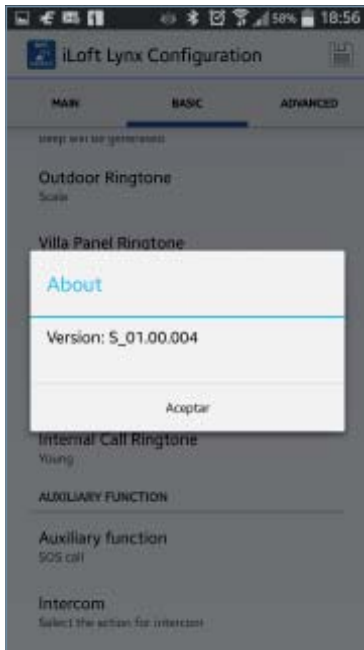
Note:

- When the desired parameters have been configured, to save the configuration click on the Save icon:

and a screen will appear which advises that the mobile should be brought closer to the Fermax device.

About Screen.

This screen shows the current version of the application. The user can always access this screen by pressing the Menu button and then "About".

This will show the dialogue box with the firmware version.

6.3.1.5 Secure connection.

With the aim of avoiding piracy, the NFC connection is secured with the standard ISO15693 indications. This standard confirms identity before reading or writing anything through the NFC interface.

Identification is managed by the mobile application in a transparent manner for the user. The username and password are encoded into the mobile application and the Fermax device during the production process.

## 6.3.1.6 Installation of Fermax NFC configurator application.

This application is designed for Fermax installers. For this reason, it will be available for download via a direct link from the Fermax servers.

The option to install third party applications must be activated on the Android telephone and the mobile phone must be equipped with NFC technology.

Section - User Manual

7. iLOFT Telephone Operation

Red LED
Green LED
Blue LED
MICRO
Potentiometer
Buttons
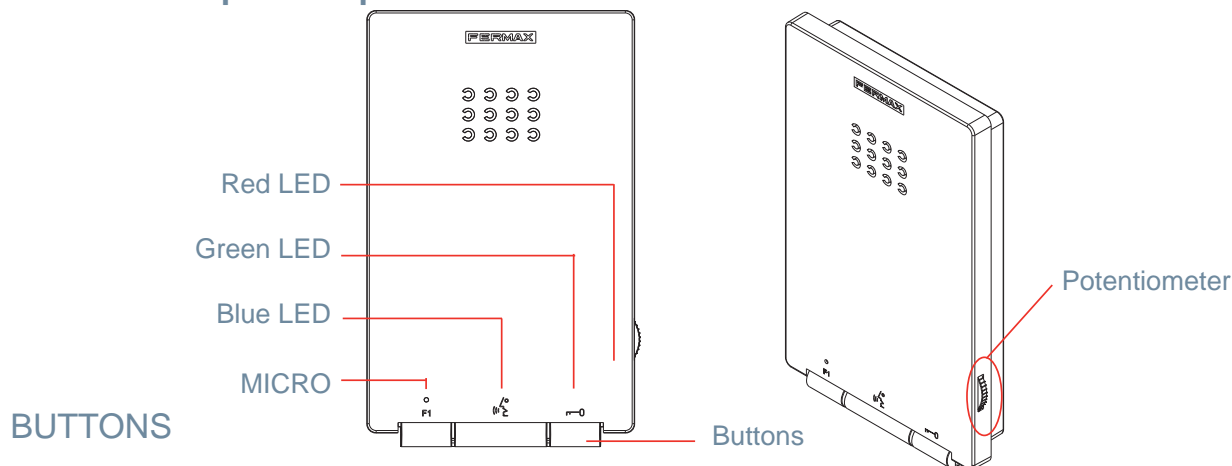
BUTTONS

Button for lock release / calls to the concierge.

· When you are in communication with the Outdoor Panel, pushing this button will activate the *lock release*. It can also be opened by pushing this button, when the ringtone is sounding.

· With the telephone on standby (without audio), pushing this button will make a *call to the concierge* (if the concierge exists and it is in receive call mode), an acoustic confirmation will be heard.

Audio Activation, Hang-Up and Auto Switch-On Buttons.

· To receive a call (if there is not an ongoing call), you have 30 seconds to answer. The blue LED blinks during this time indicating a pending call and produces a melody.

· If a call is received during an ongoing conversation, for 10 seconds the blue LED with blink and an intermittent tone will be produced over the conversation audio. The call can be answered (*Audio activation), but if unanswered* the current call will continue.

· *Audio activation:* When you receive a call press this button to speak with the visitor. The outdoor-indoor audio channel is opened, operating in hands-free mode. The blue LED will remain lit indicating the conversation with the outdoor panel.

· *Hang-up:*press to end communication, otherwise the conversation with the panel or PMU (Concierge) will end after 90 seconds and after 300 seconds with a monitor or telephone. After ending the call, the blue LED will switch off.

· *Auto switch-on:* on standby, press this button, (the blue LED lights up).

Auto Switch-on Notes:

- Auto switch-on will happen with the panels in the following order:

 * First, apartment Villa panel (with panel number 0).
 * Second, apartment Block panel (with panel number 0).
 * Third, General Entrance panel (with panel number 0).

If none of these conditions are met, auto switch-on will not be carried out.

- If the channel is occupied or if there is no panel which meets these conditions of the previous point, you will be advised by a BEEP and auto switch-on will not be carried out.

- Auto switch-on will always be performed as described in the first point, except when a call is received from a Fermax device (panel, telephone or monitor), once finished with the conversation, after 30 seconds auto switch-on will be carried out with the last device that called. After this time it will be performed as described in the first point.

Audio notes:

- *The conversation is private, no other terminal can listen.*

- *Whilst the audio channel is open, the audio can be regulated using the potentiometer, without affecting the call volume. The value selected will not be altered if the call volume is then adjusted.*

Call notes:

- *Call from other apartments. To be able to receive calls from another apartment, there must have previously been an accepted friend request between said apartments, of which is performed via the Lynx monitors in both apartments. Therefore, it is necessary for a Lynx monitor to exist in the apartment to use this function.*

- *Redial. The user can redial the last device which called them if this is within 30 seconds of the last call or of the latest call notification by pushing the Audio Activation button. To perform this action, no other conversation can be ongoing in the apartment.*

F1: Button for additional functions. Consult the installer.

- Operation modes. Possible configurations for the auxiliary F1 button:
    - Link F1 to the second relay panel, default function.
    - Link F1 to an external relay.
    - Link F1 to the function to activate Doormatic (automatic door release).
    - Internal call, calls to all devices within the same apartment.
    - Panic call, read-only field as this is automatically configured if there is a PMU ALARM.
    - Call to a determined PMU (Concierge) in the block.
    - Activate call divert.

Notes:

- *The options are exclusive, that is to say only one function can be linked to the button.*

- *If there is a PMU ALARM, the F1 button is automatically configured will Panic Call mode. To avoid auto configuration, PMU SETTINGS must not be selected on screen, the option: **ALARM TRANSMISSIONS.***

LED signalling

| Status (Telephone)	Blue LED	Green LED	Red LED
Standby			
• Call	Intermittent fast blinking		
Hands-Free Audio	fixed		
Do not disturb			fixed
Automatic opening (DOORMATIC)		Intermittent slow blinking	
Select Panel Melody			Intermittent slow blinking
Select EGR Melody			Intermittent fast blinking
Door open		fixed	

Functioning

The iLoft telephone allows calls to be received from any device compatible with the Lynx network:
- Outdoor panel.
- PMU (Concierge)
- Telephone/monitor in another apartment.
- Telephone/monitor in the same apartment.

Answering a panel call

· When you press the call button on the **Outdoor Panel,** a calling tone will be made on that panel and on the telephone.

· To receive a call on the telephone, you have 30 seconds to answer. The blue LED blinks during this time indicating a pending call.

· **Audio activation:** When you receive a call press this button 👂 to speak with the visitor. The outdoor-indoor audio channel is opened, **operating in hands-free mode.** The blue LED will remain lit indicating the conversation with the outdoor panel.

· **Hang up:** press the button 👂 to finish the conversation, otherwise it will end after 90 seconds. After ending the call, the blue LED will switch off.

· **Auto switch-on** (see auto switch-on Notes: in section: buttons): when telephone is on standby, press this button 👂 , (the blue LED will turn on).
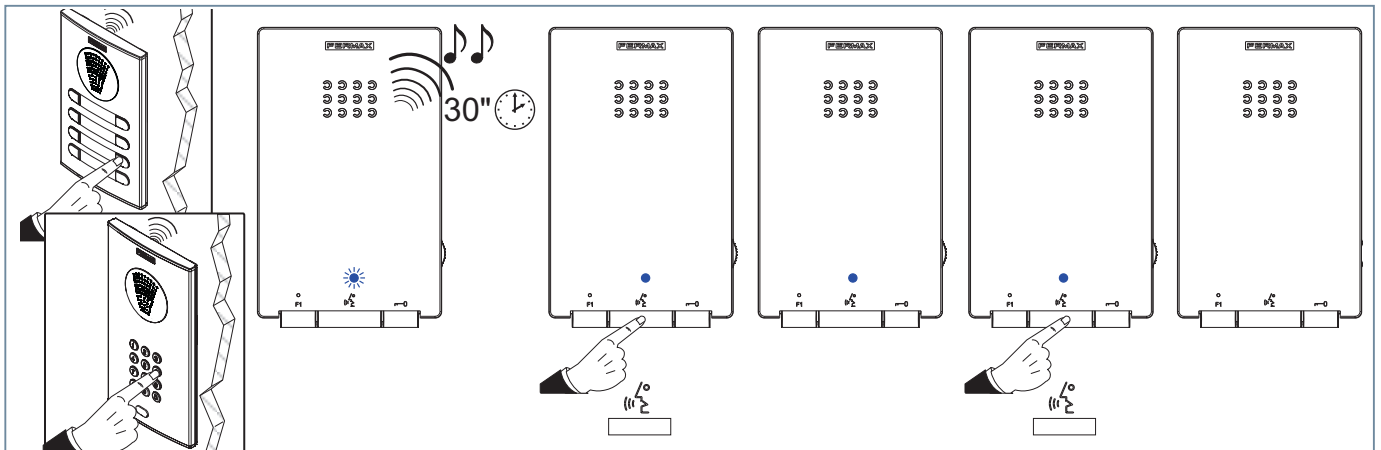
Note:

- *The function of **taking a call from the PMU, the same or different apartment,** will be similar to taking a call from the panel, taking into account that the conversation times are different according to the device. See section: Audio activation and hang up button/buttons.*

Receiving a call during an ongoing conversation

· In the case of the iLOFT telephone receiving a call whilst another call is ongoing, you will be visually notified with an intermittent blue LED light and audibly with an intermittent tone over the conversation audio for a maximum of 10 seconds. The new call can be answered by pressing the 👂 button. If you do not wish to answer (do nothing), the current call will continue.

· If the telephone is on standby, but another device in the apartment has an ongoing call and a new call is received, the iLOFT telephone will not notify in any way the receipt of the call, the responsibility of answering the call is left to the device which has the ongoing call.

Calls from another apartment

· To be able to receive calls from another apartment, there must have previously been an accepted friend request between said apartments, of which is performed via the Lynx monitors in both apartments. Therefore, **it is necessary for a Lynx monitor to exist** in the apartment to use this function. *See more details in manual code 970013 Lynx Monitors Manual available in www.fermax.com.*

Call within the apartment

· The iLoft telephone can be configured so that by pushing the F1 button a call will be made to all devices inside the same apartment. *Consult the installer.*

Call to PMU (Concierge)

· Whilst the telephone is on standby, push the ⌐o button . The telephone will call the PMU it corresponds to. The telephone keeps an updated list of the PMU in that block and another with the PMU at the General Entrance *(those present and active on the network).* Before calling PMU, the telephone consults these lists and calls by choosing:

* The PMU in the block with the smallest number.
*If the list is empty, it will thus call:*
* The PMU at the General Entrance with the smallest number.

Note: *- If the channel is occupied or if there is no other concierge which meets these described conditions, you will be advised by a BEEP and the call will not be made.*

Call to preconfigured PMU (Concierge) in the block

· TheiLOFT telephone can be configured so that, by pushing the F1 button, it will make a call to the Block PMU and preconfigured number. *Consult the installer.*

· Whilst the telephone is on standby, push the F1 button. The call will be made to the preconfigured PMU.
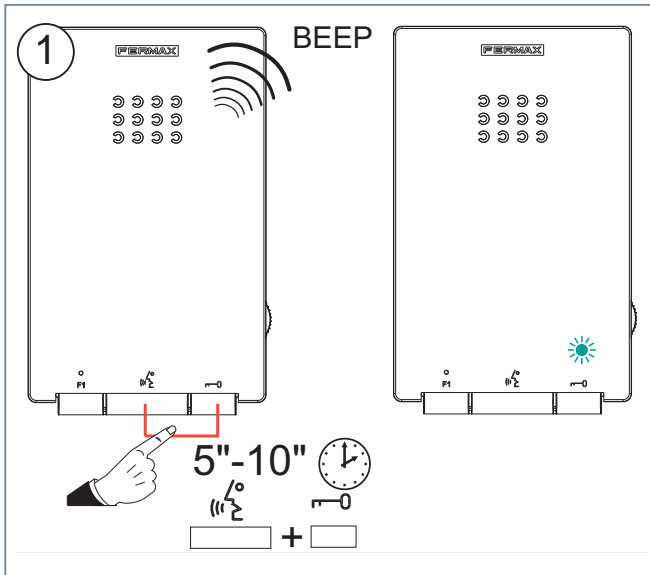
Door release
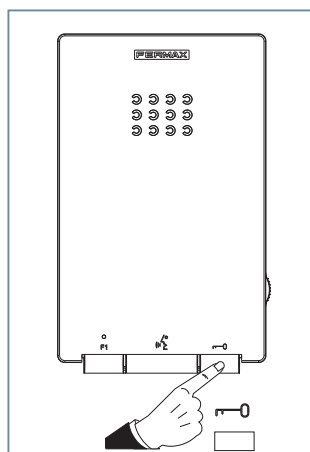
When a call is received from the outdoor panel, it is possible to open the door at any time by pressing the ⌐o button, even when the phone is ringing.

"Automatic opening " mode (DOORMATIC)

With Doormatic **activated**, when a call is received from the outdoor panel, lock release will be activated after 5 seconds.

You will have 30 seconds to answer the call. The call melody will continue to sound for those 30 seconds, if continuous mode is selected, or if the call has not already been cancelled. The door release function is disabled by default. It must have been **enabled** (by the installer), for the user **to be able to activate** it.
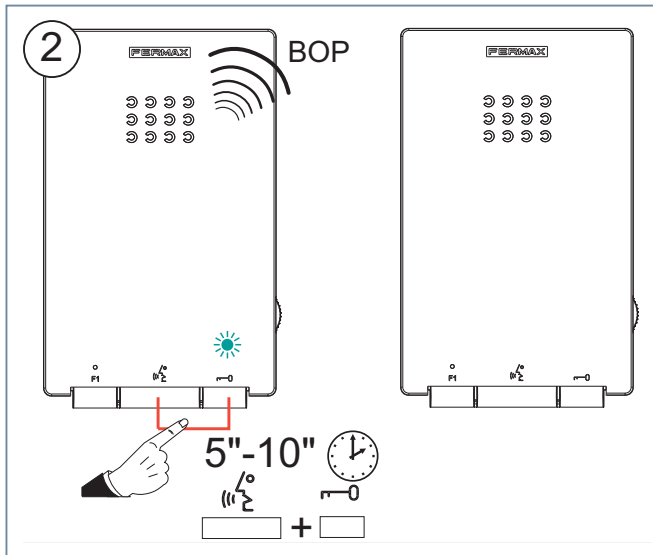
Consult the installer.

1. To **activate** the operation, the 📢 and 🔑 buttons must be pushed down simultaneously for between 5" and 10" until the green LED blinks and a BEEP is heard.

Once activated, the door will automatically release with the call.

Notes:
- *The green LED will blink intermittently whilst doormatic is activated.*
- *Even though doormatic is activated, if the call is not answered within 5 seconds, the door will not open automatically.*
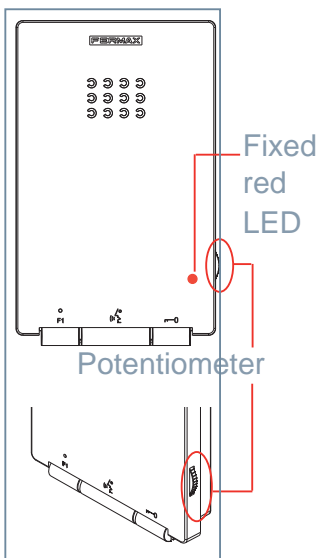

2. To **deactivate** the operation, the 📢 and 🔑 buttons must be pushed down simultaneously for between 5" and 10" until the green LED switches off and a BOP is heard.

Note:
- *The green LED will turn off when doormatic mode is deactivated.*
- *You can configure the **F1** button so that when pressed the Doormatic mode will **activate/deactivate** in the same manner as described previously. Consult the installer.*

Volume / Cancel ringtone

Fixed red LED

Potentiometer

The user can adjust the device melody and ringtone volumes as well as in-call volume.

The **melody volume** can be modified by scrolling the volume wheel up and down when on standby.

The **in-call volume** can be modified by scrolling the volume wheel up and down during a call.

They are independent of one another and can be distinct values.

If, whilst adjusting the call volume, the potentiometer reaches the minimum level, the red LED with turn on indicating that the calls have been disconnected, **(Do Not Disturb mode).**

The disconnection affects all melodies that the telephone generates.

To **deactivate Do Not Disturb mode**, the potentiometer level must be set to one other than the minimum. The LED will return to its previous state.

Note: *The blue LED will blink during an incoming call even if Do Not Disturb mode has been enabled or not.*

Additional and Auxiliary F1 Functions

Consult the installer on which function is programmed.
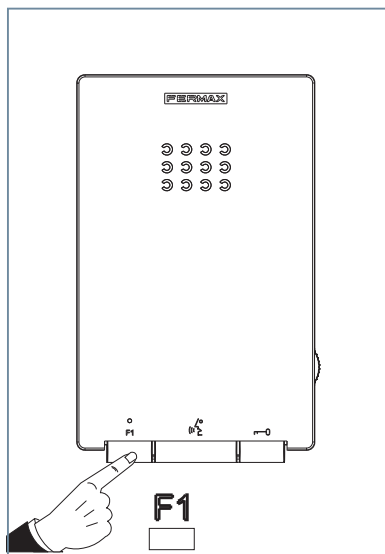
Possible configurations for the auxiliary F1 button:

- Link F1 to the second relay panel, default function.
- Link F1 to an external relay.
- Link F1 to the function to activate Doormatic (automatic door release).
- Internal call, calls to all devices within the same apartment.
- Panic call, read-only field as this is automatically configured if there is a PMU (Concierge) ALARM.
- Call to a determined PMU (Concierge) in the block.
- Activate call divert.

Note:

- *The options are exclusive, that is to say only one function can be linked to the button.*

- *When F1 is used to activate the external relay and it is activated successfully, a confirmation BEEP will be heard. In the case of the activation being unsuccessful, a BOP will be heard to signal the error.*

FERMAX

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46017 Valencia
Spain

For more information, visit www.fermax.com

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