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Fermax electronics manufactures and develops top class equipment which fulfil the highest design and technology standards.

Your FERMAX telephone will allow you to communicate with the entry panel and open the front door if you wish. We hope you enjoy its range of functions.

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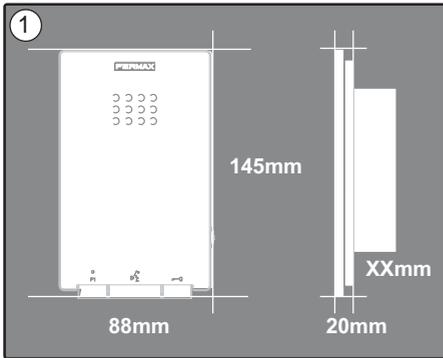
Any modification will be reflected in subsequent editions of this document.

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LYNX iLOFT TELEPHONE

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1. INSTALLATION- TELEPHONE CONNECTION

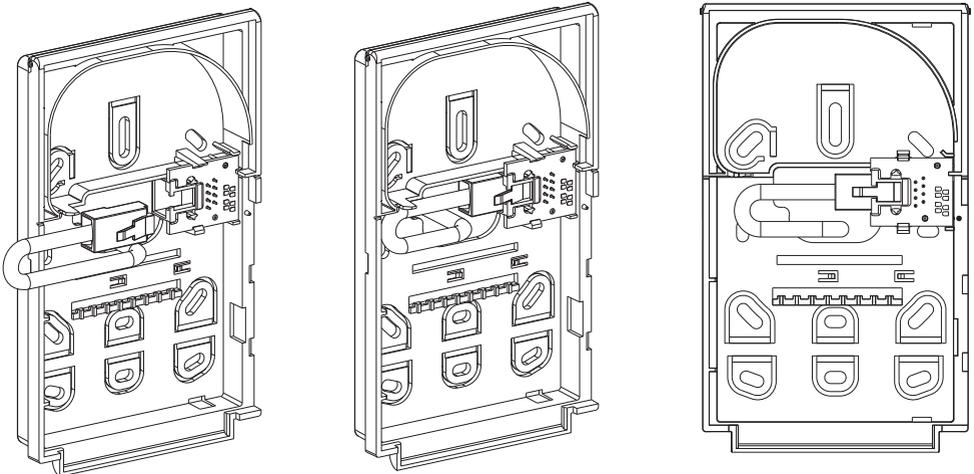


Telephone Dimensions(Height x Width x Depth*.):
146 x 90 x 20 mm

Notes:

- This telephone can be installed directly at surface level, to the wall or on a standard box.
- *XX : depending on the standard box selected.

1.1 Placement - installation of RJ45 cable

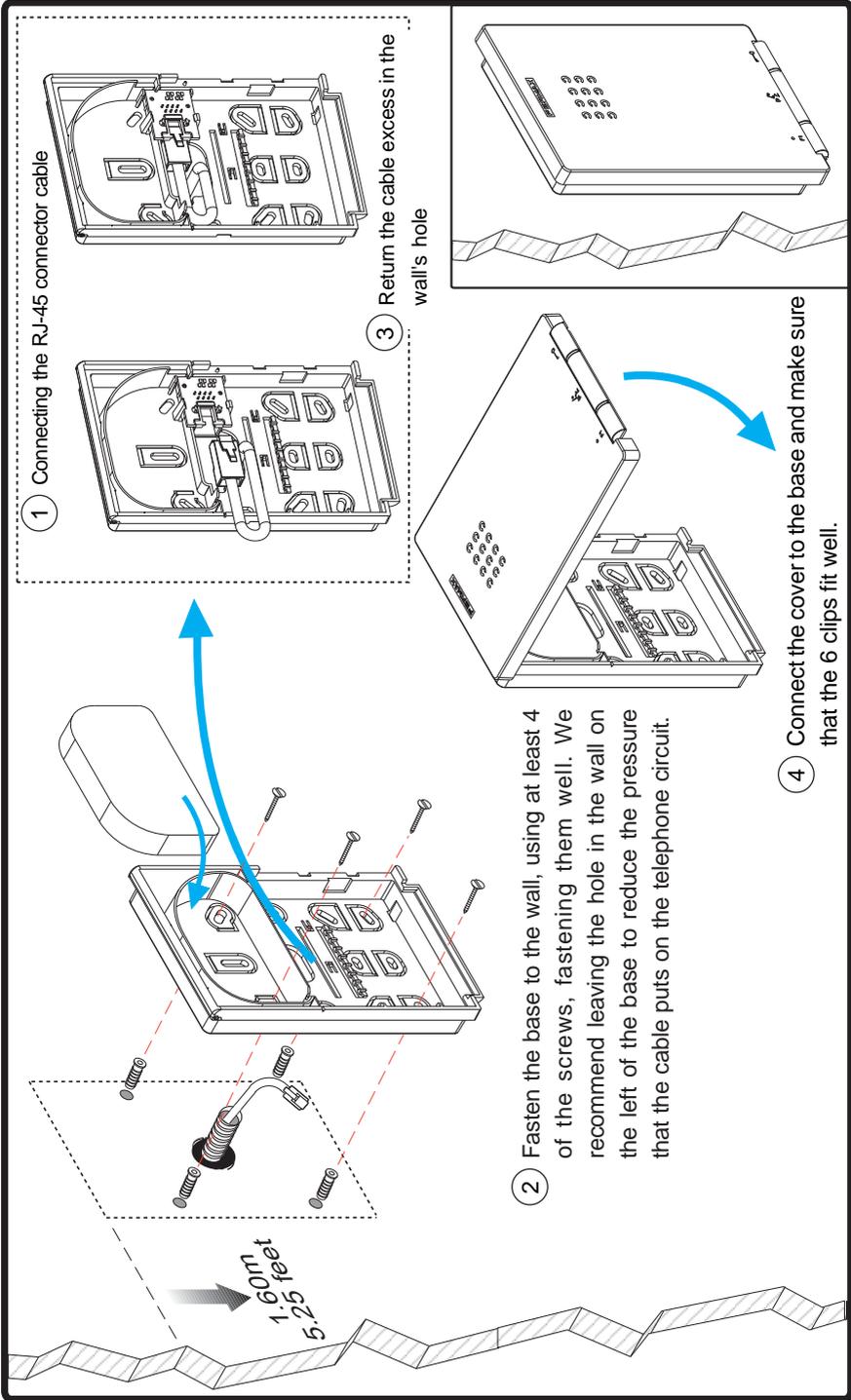


The iLoft Lynx telephone only has one **RJ-45 connector**, and does not have any other type of connector available. This connector is used both for connection to the Lynx network and to receive power via the PoE.

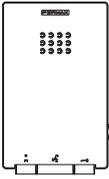
Notice: *This connector must support at least 50 connection-disconnection operations.*

For the installation you only need a **UTP cable** from the switch to the place where the iLOFT Lynx telephone is to be installed. The cable must surpass at least 10 centimetres to facilitate the connection process. At both ends of the cable, there must be a male RJ45 connector installed, **without protection in the connector**.

If wanting to foresee a future replacement of the iLOFT telephone by Vivo monitors, you must install a standard flush mounted box on the wall to facilitate the migration process. The height of the cable position on the wall (or the box) must be between 1.40 and 1.60 meters.



2. CONNECTIONS



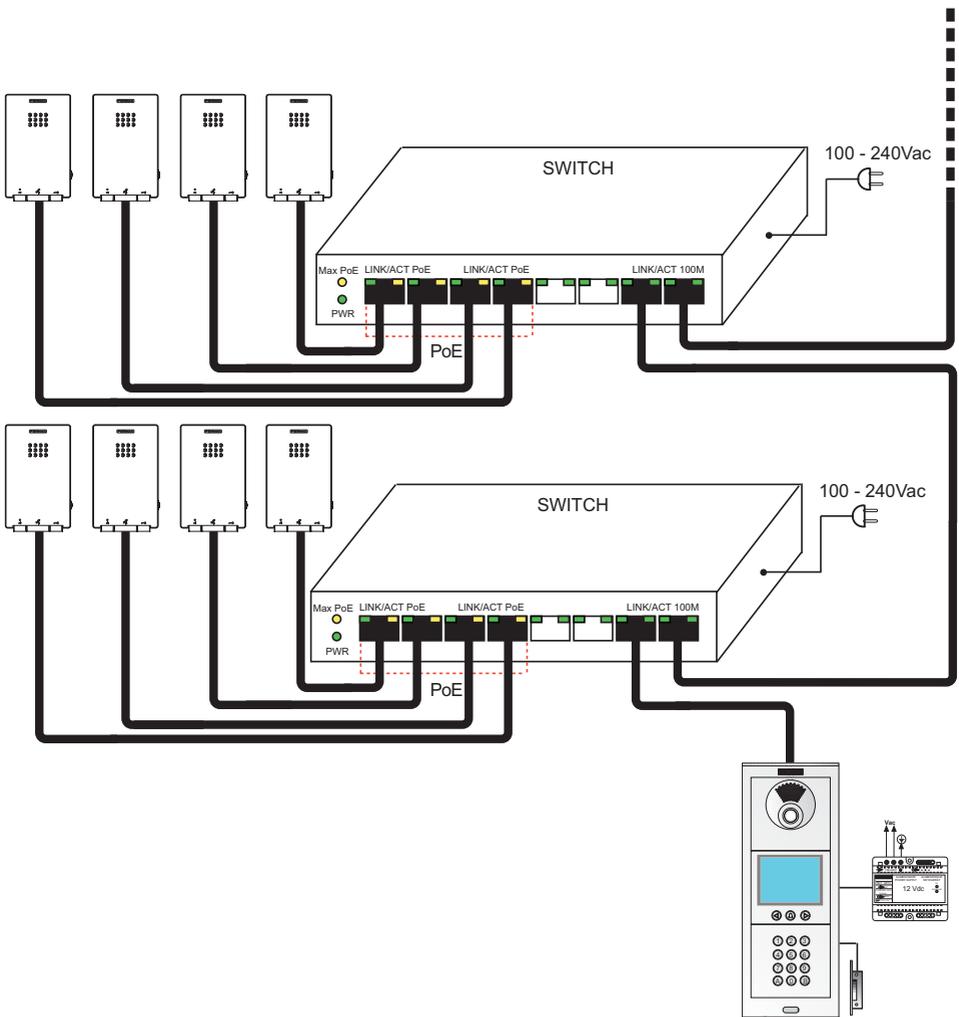
2.1 Connections

The iLoft Lynx telephone only has one **RJ-45 connector**. This connector is used both for connection to the Lynx network and to receive power via the PoE.

Once the installation and connection process is finished, we recommend connecting the switch and making sure that the telephone turns on. It is indicated by the LEDs: first the green LED lights for 1 second, then the 3 LEDs light up for 15-20 seconds.

Now it just needs to be programmed, see chapter [6. Configuration](#).

3. DIAGRAM



4. CAPACITIES AND PARAMETERS

The iLOft telephone is only compatible with the following firmware versions (or greater):

- Panel: R_V02.02.000.
- PMU (Property Management Unit): R_V02.02.000.
- Monitor: R_V02.03.000.

The iLOFT telephone allows for the reception and making of audio only calls with all compatible devices on the Lynx network.

When there are various Vivo monitors and iLOFT telephones in the same home, the 0 unit must always be a Vivo monitor. Maximum 8 extensions in the home between monitors and telephones, (0...7).

4.1 Configurable parameters and default values []

BASIC

- IP Address 10.0.0.1:
 - Block: 0...99, [0].
 - Unit: 0001...8190, [1].
 - Extension: 0...7, [0].
 - Tag: 16 characters, [empty].
- Modes (STATUS):
 - Do not disturb mode: [not activated].
 - Doormatic Enabled: [deactivated].
 - Doormatic Activation: [deactivated].

Ring tones:

- Street panel: 0...4 [0 - SCALE].
- Home panel: 0...4 [2 - ORGANIC].
- PMU: 0...4 [1 - PEACE].
- External call (intercommunication between homes in the installation): 0...4 [4- FERMAX 2].
- Internal call (intercommunication between terminals in the same home): 0...4 [3- FERMAX 1].
- Auxiliary functions (F1): 0...5, [0].
 - 0 Activation of the second panel relay.
 - 1 Activation of the external relay.
 - * Group: 0...255, [0].
 - * Module: 0...255, [0].
 - * Relay: 0...255, [0].
 - * Time (seconds): 1...255, [1].
 - 2 Doormatic:
 - 3 Intercommunication.
 - 4 Call to PMR (Guard-unit).
 - * Block: 00...99, [00].
 - * Guard unit (number): 00...99, [00].
 - 5 Panic Call SOS.

ADVANCED

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

- Firmware Update.
- DATE:
 - Year/Month/Day: [2000/01/01].
 - Hours/Minutes: [00:00].
- SERVERS:
 - Server administrator: [10.201.100.0].
 - Gateway: [10.254.0.1].
 - Date and time update server:
 - * NTP Server: [0.0.0.0], -12...+12.
 - * None: [0]
- RESET:
 - Parameters.
 - Factory parameters
 - Restart telephone

5. TECHNICAL FEATURES

The iLoft Lynx telephone works with PoE class A and class B switches.

- Consumption:
 - In standby: 28 mA.
 - Ringing/Conversation: 40 mA.

6. CONFIGURATION

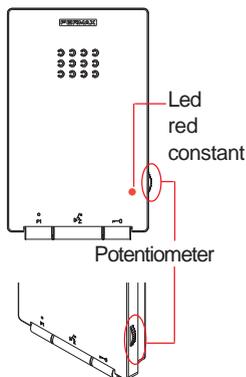
The iLoft Lynx telephone can be configured to personalise the user's and destination Lynx installation's needs.

The iLoft telephone can be configured via 3 methods:

- iLoft keypads: Using the keypads and volume wheel. Due to the interface limitations, you can not configure everything.
- WEB: Via the web browser, accessing the iLOFT server.
- NFC: Via the "NFC Fermax configurator" app run on an Android device with NFC.

6.1 CONFIGURATION VIA THE TELEPHONE KEYPAD

6.1.1. Volume / Cancel call tone.



The user can modify the volume of both the ringtones, device tones and conversation volume.

The **ringtone volume** and the tones can be changed by raising or lowering the volume wheel when in standby.

The **conversation volume** can be changed by raising or lowering the volume wheel when in conversation.

These are two independent values that can have different values.

If during call volume regulation the wheel is turned down to its minimum level, a constant red led will light up to indicate that the call has been disconnected, (**cancel call tone**).

The disconnection option affects all ringtones generated by the telephone.

To **deactivate ringtone cancellation**, you must move the potentiometer above the minimum level. The led will return to its previous status.

Notice: The blue led will blink during the reception of a call whether the ringtone cancellation mode is enabled or not.

6.1.2. Ringtone Selection.

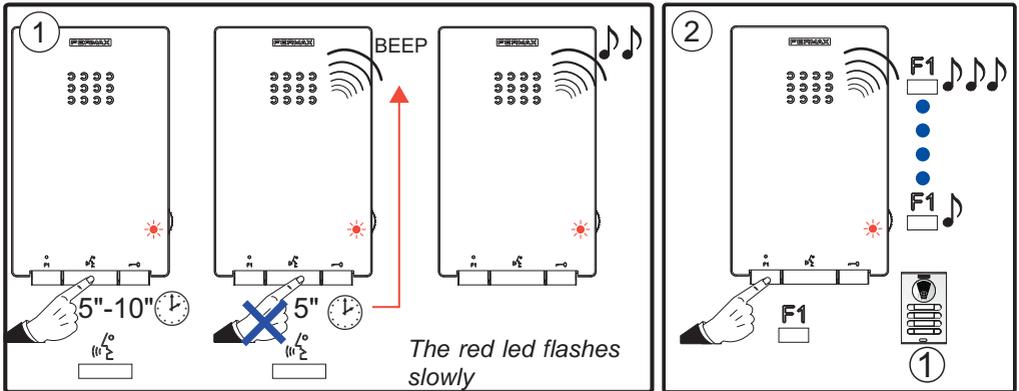
If you change the ringtones associated to an incoming call. The telephone allows you to associate a different ringtone to different incoming calls: Panel and Guard Unit.

Accessing "Ringtone Selection" Mode

From standby mode:

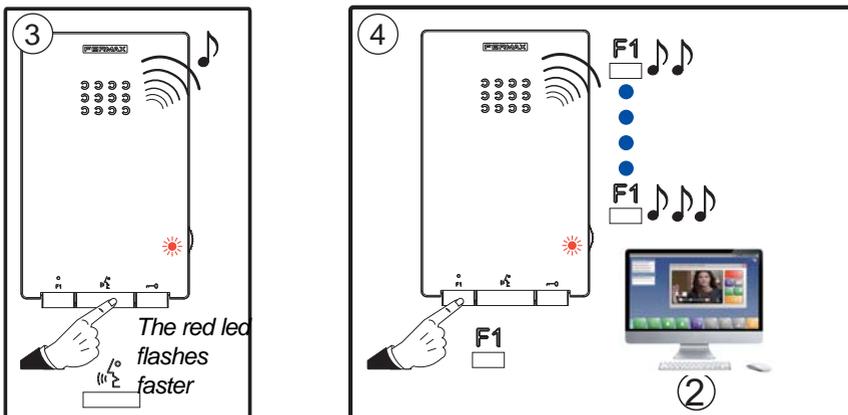
Ringtone for calls coming from the Panel:

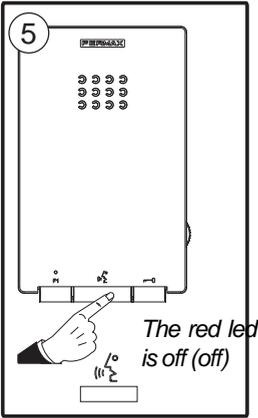
1. Press the $\mu\text{Σ}$ button between 5" and 10". After 5" the telephone will emit a "beep", if you release the $\mu\text{Σ}$ button, it remains in ringtone configuration mode and you hear the panel's current ringtone, and the red led blinks slowly.
2. Press the F1 button to select the ringtone (circular sequence). Confirm your selection by pressing the $\mu\text{Σ}$ button. Red led - blinks a little faster.



Ringtone for calls coming from the PMU (guard unit):

3. After confirming the panel ringtone, the current PMU melody sounds and the red led blinks a little faster, (difference between the panel or PMU ringtone).
4. Press the F1 button to select the ringtone (circular sequence), confirm your selection by pressing the $\mu\text{Σ}$ button. Red led - turns off. The telephone returns to standby. You have completed the ringtone configuration process.





Exit ringtone selection (standby):

- Being in a "ringtone selection for PMU" upon pressing the $\mu\text{Σ}$ button, the telephone returns to standby (red light off), and if no button is pressed for 30 seconds.

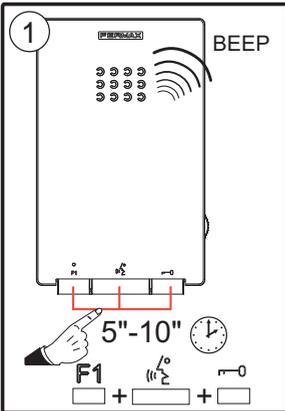
Notes:

- The current ringtone will sound on entering each option.
- The ringtone volume will depend on the setting selected on the side potentiometer.
- The volume can be altered while playing the ringtones.

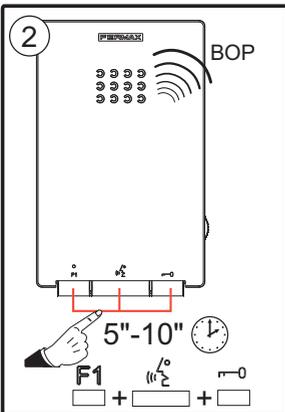
6.1.3. Automatic Opening (DOORMATIC).

In this mode, when a call is received from the entry panel the lock-release is activated after 5 seconds. You have 30 seconds to answer the call. The call ringtone continues to ring for 30 seconds if selected as continue, if not picked-up first.

The open door function is disabled by default.

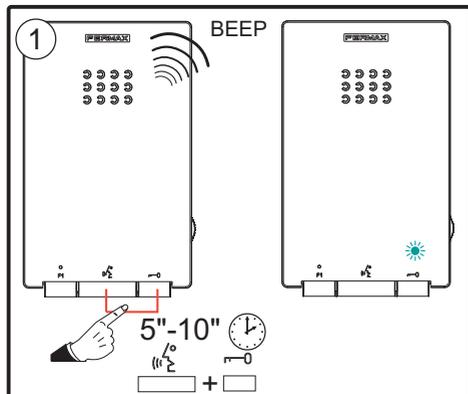


- To **enable** this mode, hold down the three buttons simultaneously between 5 to 10 seconds until you hear a BEEP: F1 button, $\mu\text{Σ}$ button and F2 button. The BEEP indicates that the mode is ENABLED.



- To **disable** this mode, hold down the three buttons simultaneously between 5 to 10 seconds until you hear a BOP: F1 button, $\mu\text{Σ}$ button and F2 button. The BOP indicates that this mode is DISABLED.

If the doormatic mode is not enabled, it can not be activated. For the telephone to work with doormatic, you must previously enable it as explained in the previous page. Normally the installer enables it and decides if the user will use this function or not.

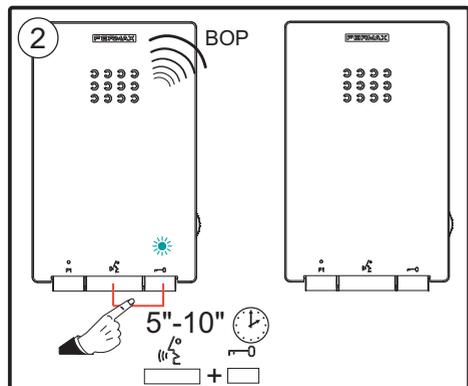


1. To **activate** it, simultaneously long press for 5" and 10", the ω_{Σ} button and \rightarrow button until the green led blinks and you hear a BEEP.

Once this is activated the door will automatically open when a call is received.

Notice:

- The automatic door function can NOT be activated without previously enabling it.



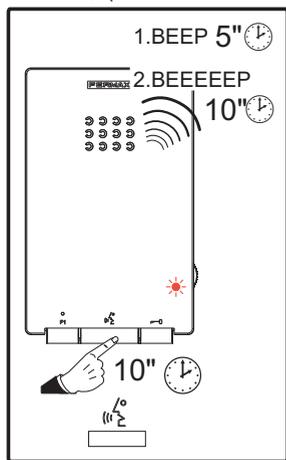
2. To **deactivate** it, simultaneously long press for 5" and 10", the ω_{Σ} button and \rightarrow button until the green led turns off and you hear a BOP.

Notice:

- You can configure the **F1** button to **activate/deactivate** Doormatic mode with the same previously defined behaviour. See section 6.2.3. [Basic Parameters configuration screen](#).

6.1.4. Restore to default settings

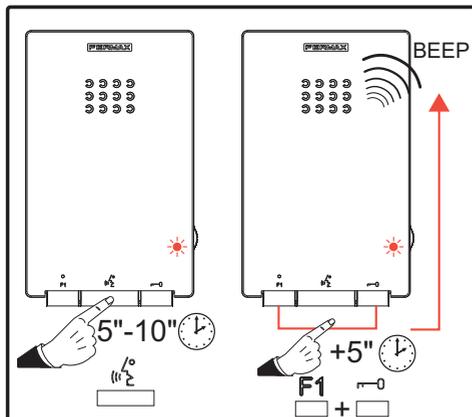
To set all the telephone parameters to default without deprogramming the telephone's IP address, (useful when the user has doubts over the parameters programmed).



Press and hold the ω_{Σ} button for 10 seconds. The telephone will BEEP after 5", and at 10" generate a long BEEP and sets the parameters to default:

- Ringtones for calls from:
 - Panel: SCALA.
 - PMU (guard unit): PEACE.
 - Home panel: ORGANIC.
 - Intercommunication between home terminals: FERMAX 1.
 - Intercommunication between different homes: FERMAX 2.
- Audio volume: Level 4
- Call Volume: 4.
- Doormatic: disabled.
- F1 Function: activation of the second panel relay.

6.1.5. Restore to factory settings



You can reset the telephone to its factory settings by entering in ringtone mode: pressing the $\text{5}''\text{-}10''$ button for 5 to 10 seconds when iLOFT is in standby, and simultaneously pressing F1 and $\text{5}''\text{-}10''$ for more than 5 seconds, you hear a BEEP.

Notice: Upon performing this operation, all fields take the value indicated in section: [4.1 Configurable parameters and default values \[\]](#).

6.2 ONLINE CONFIGURATION

The iLOFT Lynx telephone has a web server (*only in English*), through which you can configure all device parameters.

Notes:

- The changes made in the configuration take **4 seconds** to update.
- For more details on Accessing the Web Server, see the manual [cod. 97744 LynxWebServer](#), available at www.fermax.com, sections:
 - Configuring the computer to allow access to the Lynx web server.
 - Connection.
 - Access.

This Lynx web server is accessed via the computer's web browser, entering the corresponding IP address of the panel to be configured. The telephone's default IP address is: 10.0.0.1. Once entered, they are displayed on the screens below:

6.2.1. Identification screen.

On this screen, the person that wants to configure the telephone must identify themselves via username and password.

The user's default values and password are:

- User: **admin**
- Password: **admin**

The screenshot shows the FERMAX logo at the top. Below it, there is a login form with the following elements:

- User:
- Password:
-

At the bottom of the screen, the text reads: FERMAX ELECTRONICA. All Rights Reserved.

6.2.2. Main screen.

On this screen, you must configure the parameters to configure: basic or advanced.



6.2.3. Basic Parameters configuration screen.

On this screen you can change the following parameters:

Identification. Identification.

- **ADDRESS.** Telephone's address. Relative to the values shown below, we calculate the telephone's IP address.
 - Block. Block number.
 - Unit. Residence Number.
 - Extension. Panel Number.
 - Telephone Tag. Descriptive tag: 16 users maximum.
- **STATUS.** Modes:
 - Do not disturb. You can activate the do not disturb mode selected.
 - Enable doormatic. Enabling Automatic Open.
 - Doormatic. Activate Automatic Open.
- **Ringtones** Associated to:
 - Outdoor Panel. Street panel.
 - Private Panel. - Home panel.
 - PMS. PMU (Property Management Unit) or guard unit.
 - House to House. - External call, intercommunication between homes in the installation. *See User Section: Operation / Calling from another residence*
 - Phone to Phone. Internal call, call to all devices within the same residence.
- **Auxiliary Functions F1.** Possible configurations to assign to the F1 auxiliary button:
 - Second Door Lock. Associate F1 to the second panel relay.
 - Relay Activation. Associate F1 to an external relay.
 - * Group. Group number.
 - * Module: Module number.
 - * Relay. Relay number.
 - * Time sec. Relay activation time in seconds.
 - Doormatic. Associate F1 to activation of the automatic opening function.
 - Intercom. Internal call, call to all terminals within the residence.
 - SOS. Panic call, a read-only field which is auto-configured if there is an ALARMS PMU (guard unit). *(Enable alarm reception in PMU).*
 - Guard Unit Call. Call a specific PMU (guard unit) in the block.
 - * Block. Block number
 - * PMS. PMU (guard unit), guard unit number.

[Home](#) > Basic parameters**Identification**

ADDRESS:

Block:

Unit:

Extension:

Telephone Tag:

STATUS:

 Do no disturb Enable doomatic Domatic**Ringtones**

Outdoor Panel:

SCALA ▾

 Continuous Ringtone

Private Panel:

ORGANIC ▾

 Family Member Access

PMU:

PEACE ▾

House to House:

FERMAX 2 ▾

Phone to Phone:

FERMAX 1 ▾

Auxiliary Functions (F1) Second Door Lock Intercom Relay ActivationGroup: ▾Module: ▾Time (Sec.): ▾ SOSRelay: ▾ Domatic Guard Unit CallBlock: ▾PMU#: ▾[Advanced parameters](#)

6.2.3. Advanced Parameters configuration screen.

On this screen you can change the following parameters, or perform the following actions:

Settings. Adjustments.

- **LOGIN.** This allows you to change the user name and password to access the web server. Web:
 - User. User. *By default: admin.*
 - Password. Password. *By default: admin.*
 - Confirm Password. Confirm Password.
- **INFO** Information, sample of the MAC address on the device and the current FW firmware version:
 - FW Update. This allows you to update the device's firmware, see [section: 6.2.3.1 FW updating process](#).
- **DATE.** Allows to change the DATE.
 - Year. Year
 - Month. Month:
 - Day. Day
- **TIME.** Allows to change the TIME.
 - Hour. Hour.
 - Minutes. Minutes.

Servers. Servers.

- **Admin Server.** Allows you to indicate the administrator's, PMU's (guard unit) server IP.
- **Gateway.** IP of the gateway.
- **Date & Time Server Update.** This allows you to indicate if using an NTP server or not for automatic updates of the date and time.
 - NTP Server. NTP server, if marked, it indicates that the date and time are updated from an NTP server. For this, the NTP server address must be configured. The time zone must be indicated relative to the GMT 0.
 - None. No server. if marked, it indicates that the date and time are not updated from a server. Upon starting up the phone, the date and time are lost.
- **Reset.**
 - Erase Parameters. Erases parameters to set the phone to its default parameters, see [section 6.1.4. Reset to default parameters](#), to know what parameters change the default values.
 - Factory Reset. Factory reset, to reset to the factory's configuration.
 - Restart. Restart, to restart the iLoft telephone.

FERMAXiLoft Web Configurator[Logout]

[Home](#) > Advanced parameters

Settings

LOGIN:	INFO:
User: <input type="text" value="admin"/>	MAC: 28:04:E0:32:D6:1B
Password: <input type="text"/>	FW: Ver 01.00.007 2015-05-12
Confirm Password: <input type="text"/>	FW Update
	<input type="text" value="Seleccionar archivo"/> Ningún arcl
	<input type="button" value="Update"/>

DATE:	TIME:
Year: <input type="text" value="2000"/> Month: <input type="text" value="01"/> Day: <input type="text" value="01"/>	Hour: <input type="text" value="21"/> Minutes: <input type="text" value="29"/>

Servers

Admin Server: <input type="text" value="10.201.100.0"/>	Date & Time Server Update
Gateway: <input type="text" value="10.254.0.1"/>	<input type="radio"/> NTP <input type="text" value="0.0.0.0"/>
	<input type="radio"/> Server <input type="text" value="+00"/>
	<input checked="" type="radio"/> None

Reset

<input type="button" value="Erase Parameters"/>	<input type="button" value="Factory Reset"/>	<input type="button" value="Restart"/>
<input type="button" value="Save"/>		

[Basic parameters](#)

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6.2.3.1 FW updating process.

To update the FW, select the firmware file using the form on the screen above (marked with a circle). The updated file is provided by Fermax. This is a compressed file with the extension **.bz2**.

Once the file is selected, press the "Update" button. Once done, the iLOFT telephone starts the update process composed of the following steps:

1. The file is uploaded from the PC to the iLOFT telephone. The browser shows the uploading progress, (*this depends on the browser used*).
2. Once the file has been completely uploaded, the iLOFT must perform some internal operations. The web browser indicates that it is waiting for the iLOFT phone to respond. Finally, if all has gone well, restart the iLOFT phone and the web interface displays a message indicating it.
3. At this time the iLOFT starts the FW updating process and indicates it lighting up the green LED until the process is complete.
4. When the process has completed, the phone restarts. This is indicated with the 3 lit LEDs

5. Upon finishing the restart, the update process has concluded. The telephone LEDs turn off.
6. You can check that the version displayed on the web interface has changed.

Notice:

- This process can last up to 10 minutes.

6.3 CONFIGURATION VIA NFC MOBILE PHONE APP

Fermax NFC configurator is a mobile application (*available only in English*), that allows you to configure the iLOFT Lynx telephone via an NFC interface.

Notes:

- Currently only the iLOFT Lynx telephone is equipped with this NFC function, but the application is ready to work with Fermax devices that in the future will implement the NFC interface.
- The application has been developed on an Android platform and can only be run on this. Compatible with Android Version 4.0 or greater.
- The application only works with mobile telephones equipped with NFC.
- Some mobile phones can implement a slow NFC connectivity (more unstable and can give connection failures), for these cases there is an NFC waiting period, after which the mobile device notifies that the application has not connected. In these cases, press the "back" button and retry to connect.

How to use this application:

1. Open the application with the mobile phone equipped with NFC and activate the NFC.
2. Approach the mobile phone to the Fermax device.
3. The mobile phone presents the username and password, (*this is only an internal process to avoid that anybody with an NFC phone can access the Fermax device*).
4. The mobile phone recovers the Fermax device model.
5. Relative to the Fermax device detected, the application presents the forms with the corresponding parameters.
6. The installer provides the parameter values.
7. The installer presses "Save" .
8. The installer approaches the mobile phone to the Fermax device.
9. The application writes the new configuration of the parameters on the Fermax device and confirms if the writing operation has been performed.

Notice:

- In the configuration operation, the changes may take 4 seconds to display on the iLOFT Lynx telephone and the web server.

The available functions for the user are the following:

- Read a device configuration.
- Write a new configuration on the device.
- See the application's version.

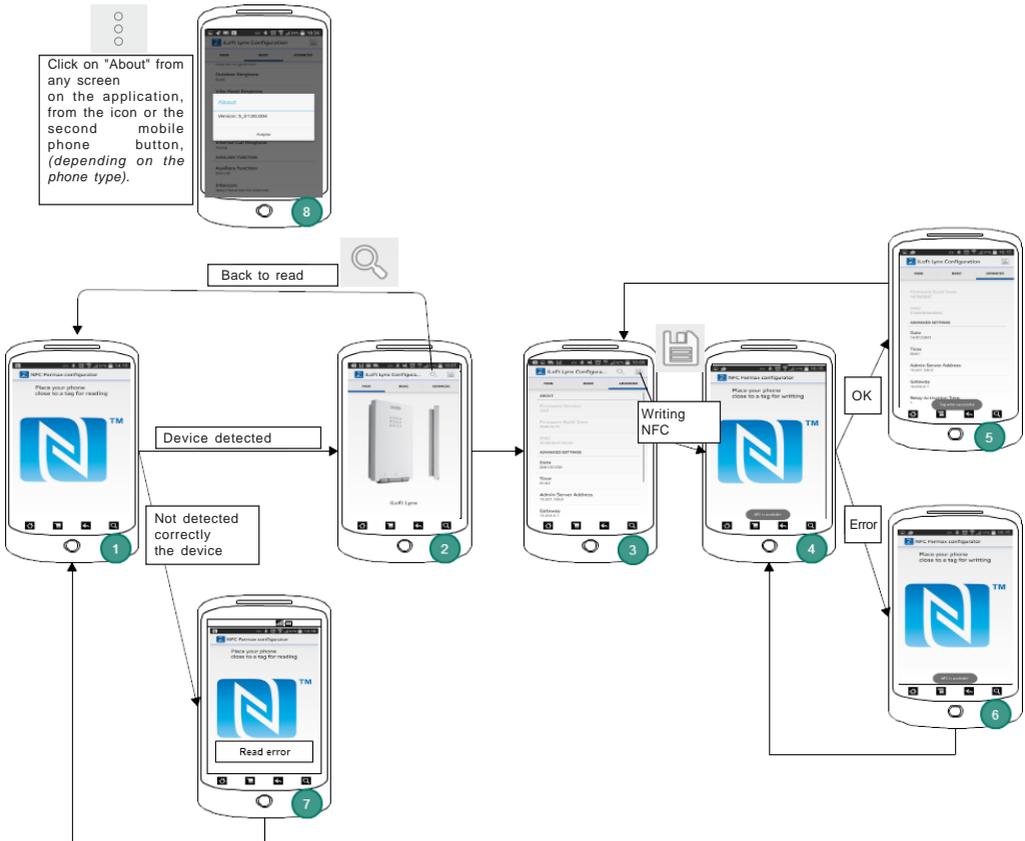
6.3.1 iLOFT telephone configuration process

6.3.1.1 Operating diagram for mobile phone and Fermax NFC configurator app

Application icon and start screen:

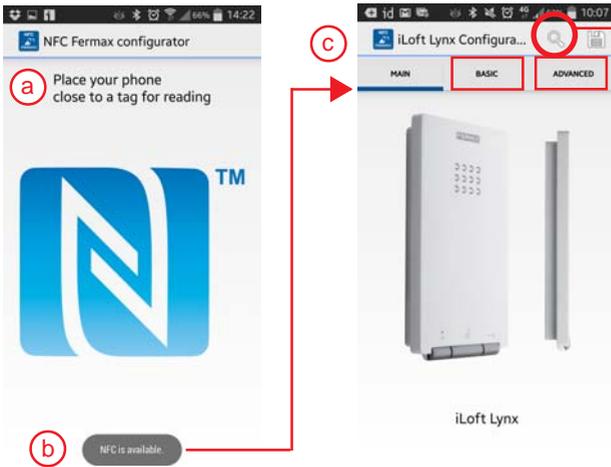


General diagram of screens and interactions with the mobile phone.



6.3.1.2 Main screen

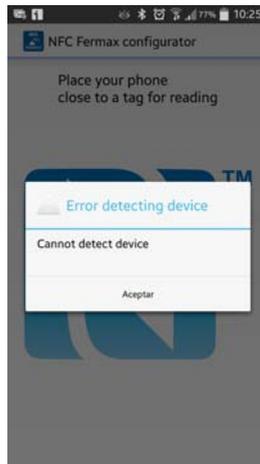
- a) The application requests to approach the mobile phone to the Fermax device to start to function.
- b) On the lower part of the screen, "NFC is available" appears, if the mobile phone is equipped with NFC technology. If not, the following message appears "NFC is not available" (*not available*).
- c) This is the screen that shows when the application has detected the Fermax device model: showing a picture of the device and the name on the lower part of the screen. In this case, the iLoft Lynx device is displayed. From this main screen (MAIN), you can access the following screens:
 Basic Parameters configuration screen (BASIC).
 Advanced Parameters configuration screen (ADVANCED).



The user can always return to the previous screen to read a new device or read the same device again, by clicking on the displayed icon



If it is an unidentified device, the following screen appears:



6.3.1.3 Configuration screen for basic parameters (BASIC)

Notice:

- The sections that can be viewed in grey can not be modified, and are information sections showing the device's current status.

On this screen you can change the following parameters:

The screenshot shows the 'iLoft Lynx Configura...' application interface. At the top, there are navigation tabs: 'MAIN', 'BASIC' (selected), and 'ADVANCED'. Below the tabs, the 'TELEPHONE' section is visible, containing fields for 'Block' (0), 'Unit' (1), 'Extension' (0), and 'Name' (testing). Below this is the 'STATUS' section, which includes 'DND' (Do Not Disturb), 'Doormatic', and 'Doormatic on/off'. The 'RINGTONES' section is also visible, listing various ringtones such as 'Continuous Tone', 'Family Member Access', 'Outdoor Panel', 'Private Panel', 'PMU', 'House to House', and 'Phone to Phone'.

- **TELEPHONE.** Telephone's address. Relative to the values shown below, we calculate the telephone's IP address.

- Block. Block number.
- Unit. Residence Number.
- Extension. Panel Number.
- Telephone Tag. Descriptive tag: 16 characters.

- **STATUS (Modes):**

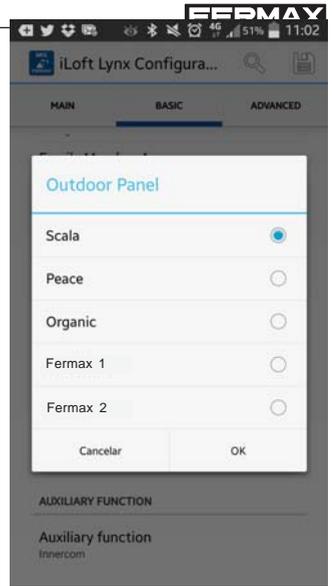
- DND / Do not disturb. Do not disturb mode.
- Doormatic. Doormatic Availability.
- Doormatic on/off. - Doormatic Activation

- **RINGTONES**

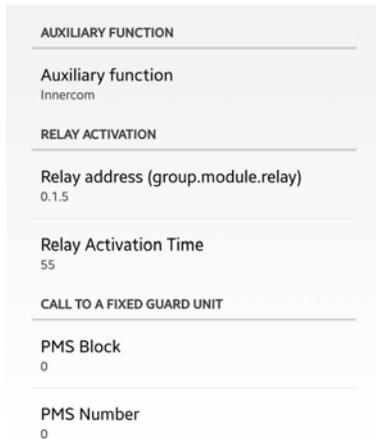
- Continuous Tone: Continuous tone of the telephone for 30 seconds. If the tone's duration is shorter, it will repeat it as often as necessary until the time is complete.
- Family Member Access: If activated, the iLOFT Lynx telephone will generate a beep when a member of the family uses the access card to access the building.

Ringtones associated to different calls: This allows you to select the ringtone for each one.

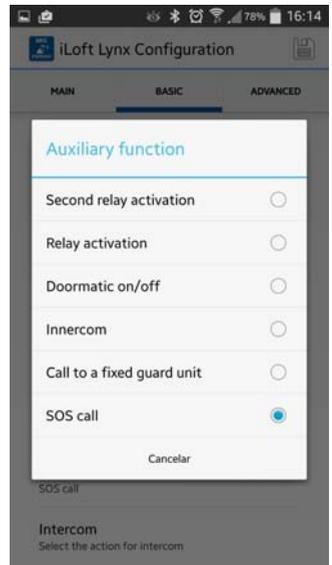
- Outdoor Panel. Street panel.
- Private Panel. - Home panel.
- PMU. PMU, guard unit.
- House to House. - External call, intercommunication between homes in the installation. [See User Section: Operation / Calling from another residence](#)
- Phone to Phone. Internal call, call to all devices within the same residence.



To change the ringtone of any call, the user must click and select one from a selection list. This window shows the list of available tones. If the user clicks on any of them, you can listen to it.



- **AUXILIARY FUNCTION (F1).** This allows you to select the function associated to the telephone's auxiliary F1 button. The screen shows the selected option at this time. If you click on the element, you can select from the selection list:



Possible configurations to assign to the F1 auxiliary button:

- Second Door Lock. Associate F1 to the second panel relay. *Default programmed function.*
- Relay Activation. Associate F1 to an external relay.
- Doormatic on/off. Associate F1 to activation of the automatic opening function.
- Innercom. Internal call, call to all terminals within the residence.
- Call to a fixed guard unit. Call a specific PMU (guard unit) in the block.
- SOS call. Panic call, a read-only field which is auto-configured if there is an ALARMS PMU (guard unit).

AUXILIARY FUNCTION

Auxiliary function
Innercom

RELAY ACTIVATION

Relay address (group.module.relay)
0.1.5

Relay Activation Time
55

CALL TO A FIXED GUARD UNIT

PMS Block
0

PMS Number
0

• **RELAY ACTIVATION.** To configure the different parameters of the external relay. *See: Auxiliary F1 functions on the previous page.*

Notice: If you click on the element, you can select the different parameters to configure.

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



• **CALL TO A FIXED GUARD UNIT.** To configure the block guard unit (PMU) who will receive the call *See: Auxiliary F1 functions on the previous page.*

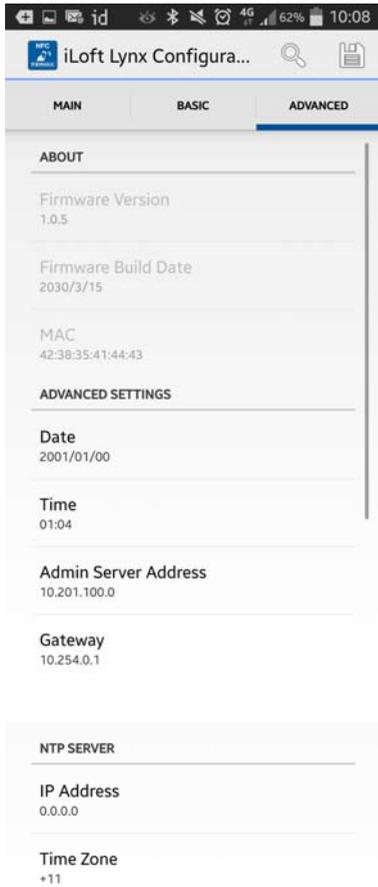
- PMU Block. Block number.
- PMU Number. PMU, guard unit number.

6.3.1.4 Configuration screen for advanced parameters (ADVANCED)

Notice:

- The sections that can be viewed in grey can not be modified, and are information sections showing the device's current status.

On this screen you can change the following parameters:



● **ABOUT.** Shows information about the device.

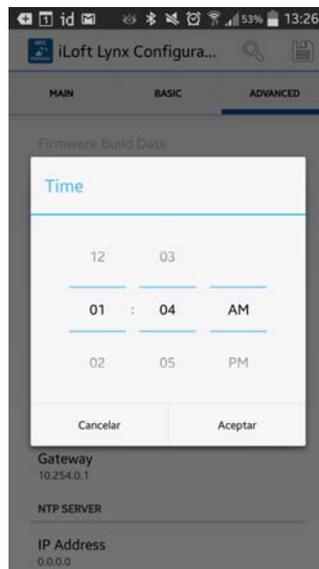
- Firmware version.
- Firmware Build Date.
- MAC.

● **ADVANCED SETTINGS.** Advanced setup

Notice: If you click on the element, you can select the different parameters to configure.

Date. Allows to change the DATE.

- Year.
- Month
- Day.



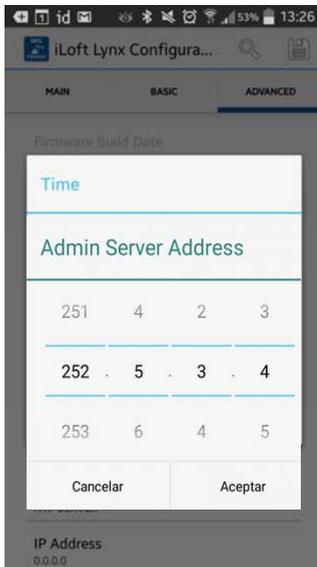


Time. Allows to change the TIME.

- Hour. Hour.
- Minutes. Minutes.



Admin Server Address. Allows you to change the administrator's server IP, PMU.



Gateway. Allows you to change the IP of the gateway. Just like in the previous option, *if you click on the element, this parameter's configuration screen appears.*

NTP SERVER	
IP Address	0.0.0.0
Time Zone	+11

NTP SERVER. This allows you to use the NTP server or not for automatic updates of the date and time.

- IP Address. Configure the NTP server address.
- Time Zone. To indicate the time zone relative to the GMT 0. Indicate the time zone where the device is installed. (-12 .. + 12).

Notice:

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



the screen appears upon approaching your mobile phone to the Fermax device.

6.3.1.5 Secure Connection

In order to avoid piracy, the NFC connection is secured via the indications in the ISO15693 standard. This standard allows for the identification before reading or writing anything via the NFC interface.

This identification is managed by the mobile application transparently for the user. The username and password are encoded both in the mobile application and in the Fermax device during the manufacturing process.

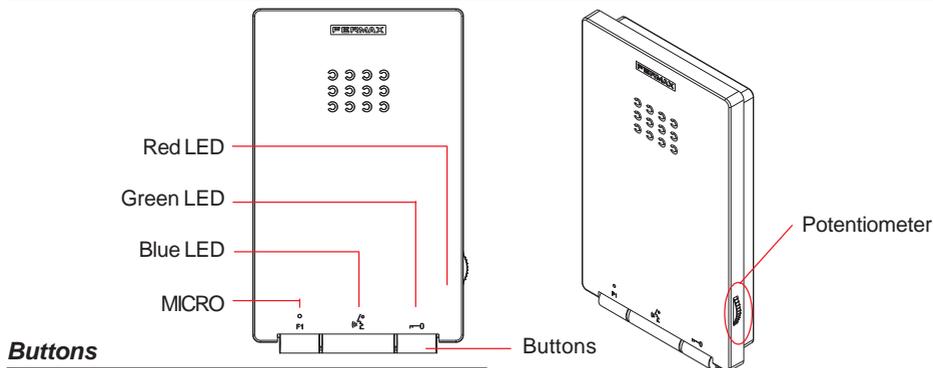
6.3.1.6 Installation of Fermax NFC configurator

This application is designed for Fermax installers. That is why it is available for download via the direct link from our Fermax servers.

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

Section - User Manual

7. iLOFT TELEPHONE OPERATION



Buttons

 Lock Releases / Call Guard Unit Button.

- Pressing this button whilst communicating with the Panel will activate the *lock release*. You can also open it using this button when receiving a call ringtone.
- With the telephone in standby (without audio), upon pressing this button you make a *call to guard unit*(if there is a guard unit and it is in call reception mode), and you hear an acoustic confirmation.

 Audio activation, hang up and auto-start button.

- Upon receiving a call the user has 30 seconds to answer. The blue led flashes during this time to indicate a call waiting.
- *Audio activation*: When a call is received, press and release this button to speak to the visitor. The audio channel between the entry panel and the residence is opened; operating in hands-free mode. The blue led will remain on indicating that a conversation with the entry panel is under way.
- *Hang-up*: press to end the communication, otherwise the conversation ends in 90 seconds on a panel or 300 seconds on a PMU (guard unit) if it is a monitor or telephone. Once finished, the blue led will turn off.
- *Auto-start*: in standby, press and release this button (the blue led lights up).

Auto-start notes:

- Auto-start is done with the panels in the following order:

- * First, Home or residence panel (with panel 0).
- * Second, residence block (with panel 0).
- * Third, General Entrance panel (with panel number 0).

If there is none fulfilling these conditions, autostart doesn't work.

- If the channel is busy, or there is no panel that fulfils these previous conditions, a warning "BEEP" sounds and autostart does not work.
- Autostart always works as indicated in the first point, except when a call has been received from a Fermax device (panel, telephone or monitor), since once the conversation is finished, during 30 seconds the autostart works with the last device called. After this time, it works as described in the first point.

Audio notes:

- The conversation is private, no other terminal can hear it.

- While the audio channel is open the input audio can be regulated with the potentiometer, without affecting the call volume. The selected setting will not be altered if the call volume is subsequently adjusted.

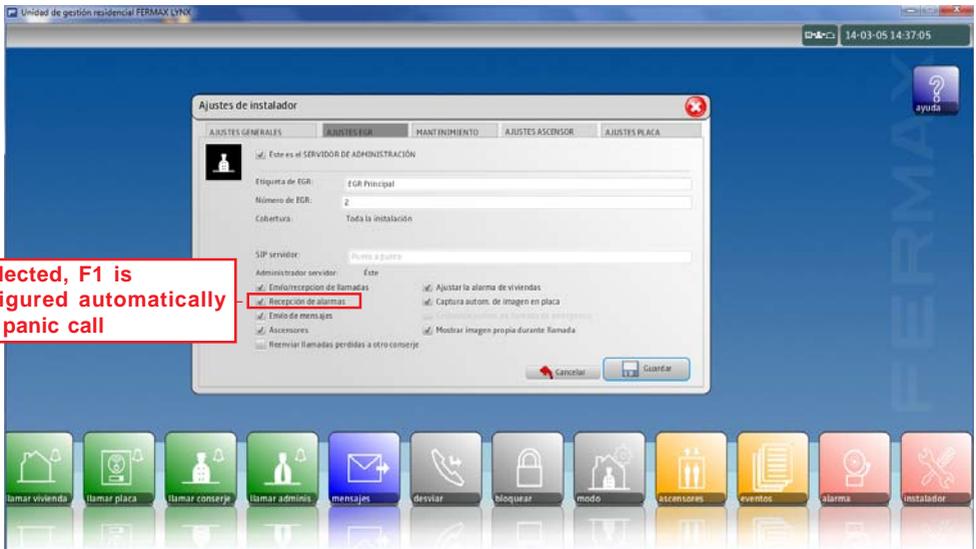
F1 F1: Button for additional functions.



- Operating Modes Possible configurations to assign to the F1 auxiliary button:
 - Associate F1 to the second panel relay, default function.
 - Associate F1 to an external relay.
 - Associate F1 to activation of Doormatic function (automatic opening).
 - Internal call, call to all terminals within the residence.
 - Panic call, a read-only field which is auto-configured if there is an ALARMS' PMU.
 - Call a specific PMU (guard unit) in the block.

Notes:

- The options are exclusive, that is, you can only associate one to the button.
- If there is an ALARMS' PMU, the F1 button is auto-configured with the panic call. To not auto-configure it, in the PMU SETTINGS the following option must not be selected: **Alarm reception**.



Led Signals

STATUS (Telephone)	Blue Led 	Green Led 	Red Led
Standby			
Call	rapid intermittent		
Handsfree audio	constant		
Do not Disturb			constant
Auto Opening (Doormatic)		slow intermittent	
Select Ringtone Panel			slow intermittent
Select PMU Ringtone			rapid intermittent
Door Open		constant	

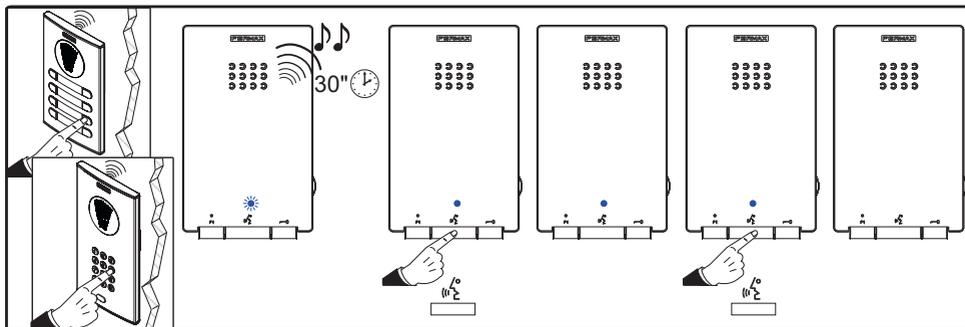
Operation

The iLOFT telephone allows you to receive audio calls from any device compatible with the Lynx network:

- Street panel.
- PMU (guard unit)
- Telephone/Monitor from another residence.
- Telephone/Monitor from the same residence.

Attending a panel call

- Upon pressing the call to **Street Panel** button, a call tone is produced both on the street panel and the telephone.
- Upon receiving the call on the telephone, you have 30 seconds to answer. The blue led flashes during this time to indicate a pending call.
- **Audio activation:** Upon receiving the call, press and release the $\mu\text{Σ}$ button to talk to the visitor. The audio channel between the entry panel and the residence is opened; **operating in hands-free mode**. The blue led will remain on indicating that a conversation with the entry panel is under way.
- **Hung-up:** press $\mu\text{Σ}$ to end communication, if not the conversation will be disconnected after 90 seconds. Once finished, the blue led will turn off.
- **Autostart** (see [autostart notes](#) in section: [buttons](#)): while on standby, press and release this button $\mu\text{Σ}$, (the blue led lights up).



Notice:

- The operation to **answer a call from the PMU, from the same residence or another one**, is similar to answering a call from the panel, keeping in mind that the conversation times are different depending on the device. See section: [audio activation and hang-up buttons](#).

Reception of a call during active communication

- If the iLOFT telephone receives a call during an ongoing conversation, it notifies you via a blue blinking LED and a beeping tone that sounds over the conversation for a maximum of 10". You can answer this new call by pressing this button $\mu\text{Σ}$. If you do not answer (do nothing), the call continues.
- If the telephone is in standby, but another device in your home has an ongoing call and a new call is received, the iLOFT telephone will not notify the reception of this call, leaving the responsibility to the person in the ongoing call.

Call from another home

- To be able to receive a call from another home, you must first receive a friend request and acceptance between both residences on their Vivo monitors, therefore **you need a Vivo monitor** in your home to use this function. *You will find more details in the manual code. 97721 Manual Monitor VIVO available at www.fermax.com.*

Call within the residence

- The iLoft telephone can be configured to make a call to other devices within the residence by pressing the F1 button. *See your installer.*

Call a PMU (guard unit)

- With the telephone in standby, press the following button . The telephone will call the corresponding PMU. The telephone maintains an updated list with the PMU in your block and another with the PMU at the general entrance (*present and active on the network*). Before calling the PMU, the telephone checks the list and calls by choosing:

* *The PMU of a lower number in your block.*

If this list is empty, then it calls:

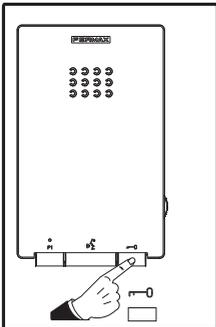
* *The PMU of a lower number in the general entrance.*

Notice: *If the channel is busy, or there is no guard unit that fulfils these previous conditions, a warning "BEEP" sounds and the call is not made.*

Call a preconfigured PMU (guard unit) in the block.

- The iLOFT telephone can be configured so that it calls the PMU in your block and the preconfigured number by pressing the F1 button. *See your installer.*
- With the telephone in standby, press the F1 button. The call is done with a preconfigured PMUs.

Opening the door



When a call is received from the street panel, you can open the door at any time, by pressing the  button, even when receiving a call tone.

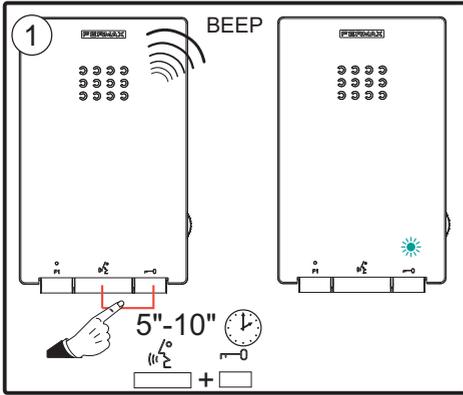
"Automatic Opening" (DOORMATIC) Mode.

With "Automatic Opening" **activated**, when a call is received from the entry panel, the lock-release is activated once the ringtone stops.

You have 30 seconds to answer the call. The call ringtone continues to ring for 30 seconds if selected as continue, if not picked-up first.

The open door function is disabled by default. It must be **pre-enabled** (installer), **to be able to activate it** by the user.

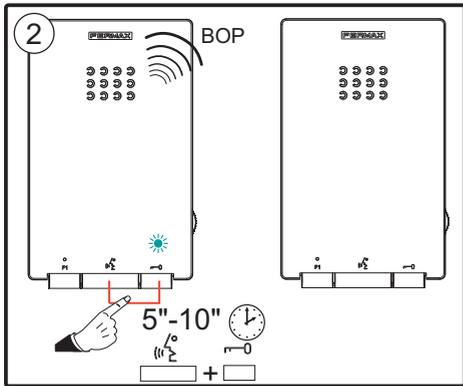
See your installer.



1. To **activate** the operation, you must long press for 5" and 10" this button and this button until you see a green led blinking and hear a BEEP.
Once this is activated the door will automatically open when a call is received.

Notes:

- The green led remains blinking while this doormatic mode is active.
- *Even though doormatic is activated, if the call is answered in less than 5 seconds, the door does not open automatically.*



2. To **deactivate** it, simultaneously long press for 5" and 10", the button and button until the green led turns off and you hear a BOP.

Notice:

- The green led turns off when the doormatic mode is deactivated.
- *You can configure the **F1** button to **activate/deactivate** Doormatic mode with the same previously defined behaviour. See your installer.*

Volume / Cancel call tone.

You can modify the volume of both the ringtones, device tones and conversation volume.

The **ringtone volume** and the tones can be changed by raising or lowering the volume wheel when in standby.

The **conversation volume** can be changed by raising or lowering the volume wheel when in conversation.

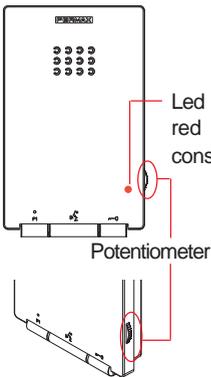
constant These are two independent values that can have different values.

If during call volume regulation the potentiometer is turned down to its minimum level, a constant red led will light up to indicate that the call has been disconnected, **(cancel call tone)**.

The disconnection option affects all ringtones generated by the telephone.

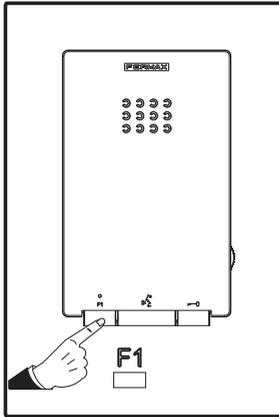
To **deactivate ringtone cancellation**, you must move the potentiometer above the minimum level. The led will return to its previous status.

Notice: *The blue led will blink during the reception of a call whether the ringtone cancellation mode is enabled or not.*



Additional and auxiliary F1 functions

Ask your installer which function is programmed.



Possible configurations to assign to the F1 auxiliary button:

- Associate F1 to the second panel relay, default function.
- Associate F1 to an external relay.
- Associate F1 to activation of Doormatic function (automatic opening).
- Internal call, call to all terminals within the residence.
- Panic call, a read-only field which is auto-configured if there is an ALARMS PMU (guard unit).
- Call a specific PMU (guard unit) in the block.

Notice:

- The options are exclusive, that is, they can only associate to one to the button.

6.1.3. Automatic Opening (DOORMATIC).

In this mode, when a call is received from the entry panel the lock-release is activated after 5 seconds. You have 30 seconds to answer the call. The call ringtone continues to ring for 30 seconds if selected as continue, if not picked-up first.

The open door function is disabled by default.