



CASE STUDY

MEET-LOXONE Integration

Description

This document summarizes the steps to follow to integrate a MEET monitor with the Loxone Miniserver

INDEX

INTRODUCTION	2
MATERIAL REQUIRED	2
BASIC SCHEME.....	2
INSTALLATION	3
CONFIGURATION	3
OPERATION	7
OTHER CONSIDERATIONS.....	7

INTRODUCTION

The aim of this document is to explain the steps to follow in order to manage a Loxone home automation installation from MEET monitors, using the Loxone Miniserver gateway. In this way, the same screen that is used to receive the video door entry call is used for home automation management.

MATERIAL REQUIRED

Any Fermax MEET outdoor panel can be used for this integration. In the case of a single-family dwelling, the MILO panel with one way (single pushbutton) will be used. In the case of a building or housing estate, the MILO panel can be used or, if an electronic directory is required, the KIN or MARINE panel.

The outdoor panel may require a power supply or PoE splitter if it does not support PoE, as well as the electric lock.

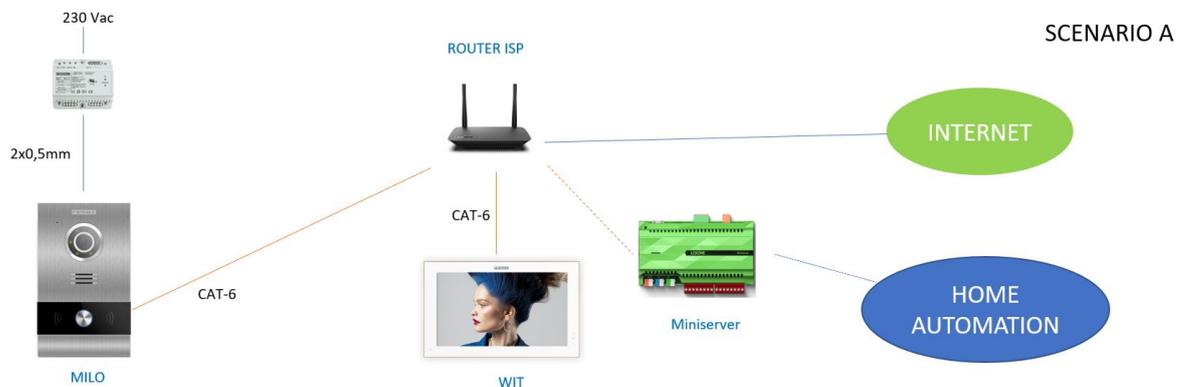
Inside each dwelling:

- Ref. 14721 or 14831 / Monitor WIT 7 or 10" (Android 10)
- Ref. 9541 / NEO/WIT Monitor Connector
- Ref. 7668 / MEET-Domotics Integration Router (optional)
- Loxone Server

BASIC SCHEME

A) Single-family installation.

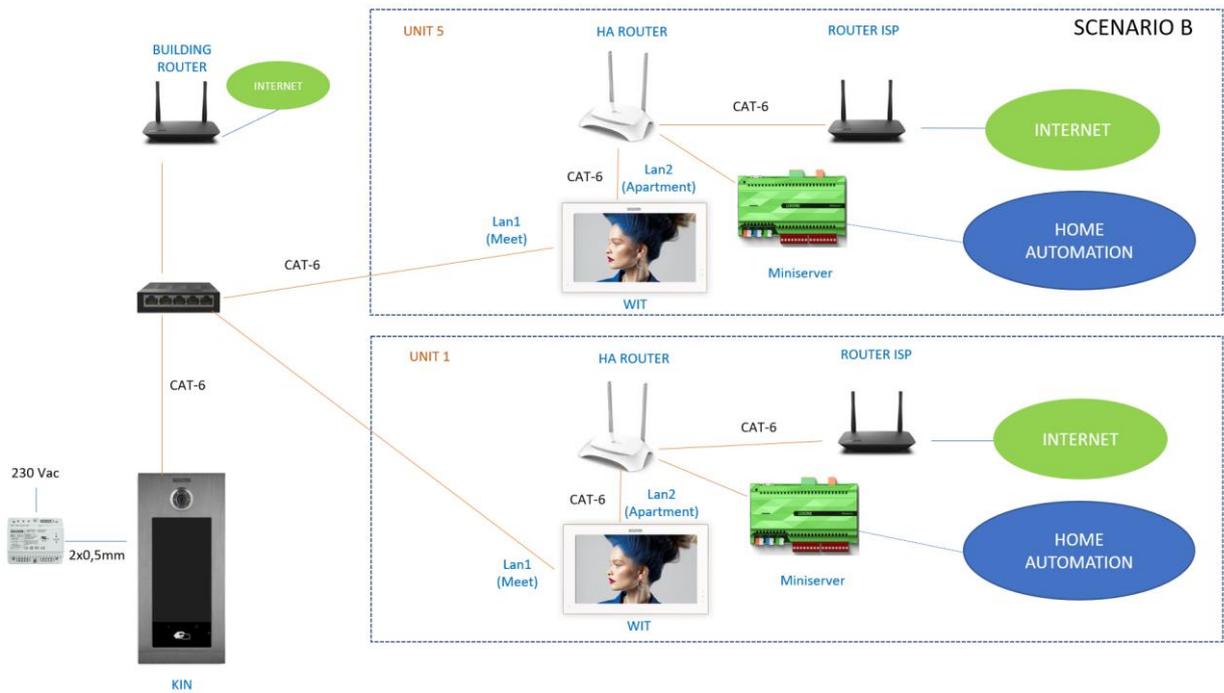
The usual MEET system installation scheme is used, with the only additional requirement of connecting the panel to the local network of the home installation where the Loxone Miniserver is installed.



Several Meet monitors (ref. 14721 or ref.14831) can be installed, one in each room, up to a maximum of 8, with the possibility of receiving calls from the outdoor panel and also managing the home automation in all of them. The RJ-45 Meet connection with static IP is used in the monitor.

B) Building installation

The installation is similar to the single-family installation, but adding as many monitors as there are dwellings. In this case the monitor must be reference 14831 in order to be able to isolate the lan installation of the building from that of the dwelling, so that the networks of each dwelling are kept secure.



In this case, it is recommended to install an integration router ref. 7668 in each home to be able to assign a dynamic IP that requires the connection of the home to the WIT monitor, as the ISP Router is not available in new construction, and thus be able to test and leave everything ready for the connection to the Loxone Miniserver. In case of having a router in the house, it is not necessary.

A communal internet connection is required if you want to be able to forward calls to the MeetMe App in parallel to the home monitors.

INSTALLATION

No special requirements, following the installation protocol of a Meet system outdoor panel and the corresponding part of the Loxone Miniserver.

In a single-family installation, connect the entrance panel, monitor and Miniserver to the ISP router.

In a building installation, a network will be created for the building, with its separate ISP router if call forwarding to the MeetMe App is desired. Lan1 of the monitors will be connected to the building network. Lan2 will be connected to the individual integration router for each home, next to the Miniserver. When the ISP router is installed, the home automation router will be connected to it.

CONFIGURATION

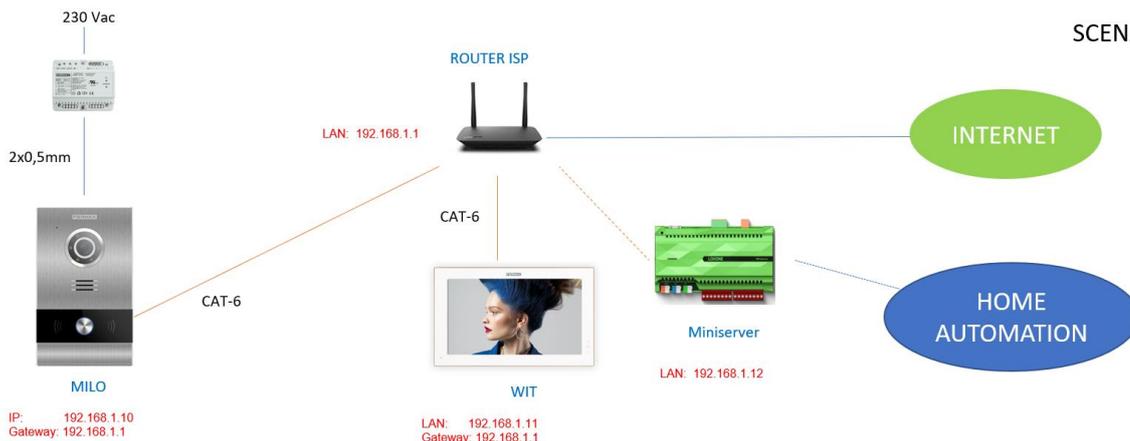
Note: The IP addresses shown below are examples. They should be chosen according to the home router or according to the building installation if the MEET system is shared with other devices.

OUTDOOR PANEL AND MONITORS

No special configuration is required as the call operation is independent of the home automation system.

A) Single-family installation:

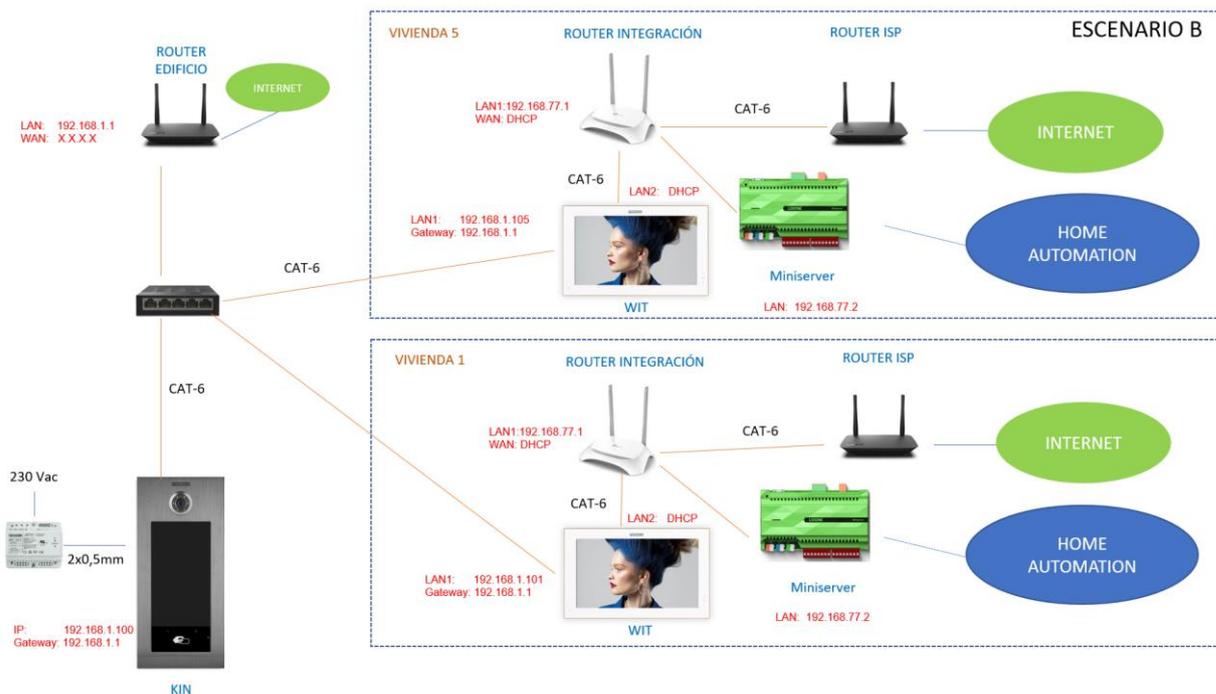
Assign an IP address to the entrance panel and the monitor within the home router network (e.g. 192.168.1.10 panel and 192.168.1.11 monitor) and as Gateway the IP address of the router (192.168.1.1).



B) Building installation

Assign the outdoor panel an IP address within the building network (e.g. 192.168.1.100) and as Gateway the IP of the building router (192.168.1.1).

Assign the monitors an IP address within the building network (e.g. 192.168.1.101 home monitor 1, 192.168.1.102 home monitor 2,...) and as Gateway the IP of the building router (192.168.1.1).

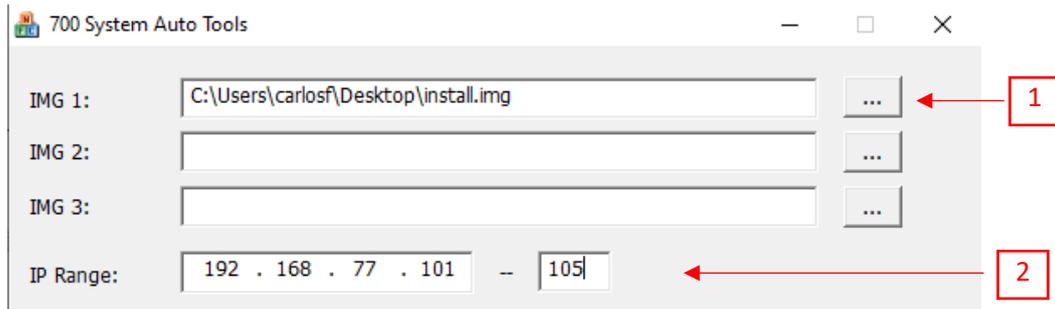


NETWORK OF EACH DWELLING

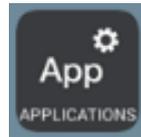
- Assign an IP for the LAN of the integration router. In our example 192.168.77.1
- Access the Miniserver via a browser and assign it a static IP (in the example 192.168.77.2), a user and a password.
- Enable DHCP on the integration router and assign addresses from 192.168.77.100 onwards.
- Assign the WAN a dynamic (DHCP) address to be obtained from the ISP router when available.

LOXONE APPLICATION INSTALLATION ON MEET MONITOR

- i. Download the image from this [link](#)
- ii. There is an image to install and an image to uninstall. It also includes the Upgrade_Tool installation tool.
- iii. Open the MEET System Upgrade Tool software, select the **installation** image (1) and set the IP Range so that the MEET monitor is searched in the specified range of IP addresses: 192.168.77.101-105 (2). In case of installing the image on only one monitor, the second value matches the first one.



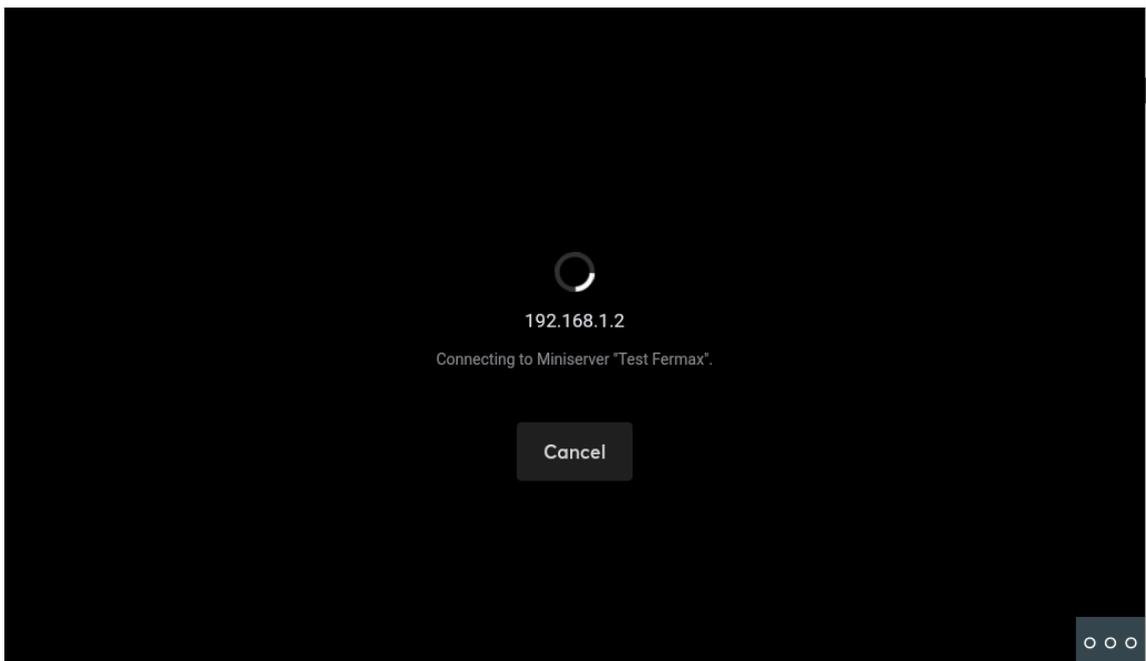
- iv. Press "Start" to start the search for MEET monitors in the selected range. Once detected, the APP will be installed, and the monitor will restart after the process is complete.
- v. In the Monitor go to the installer menu (default code 6666) and open the applications menu.



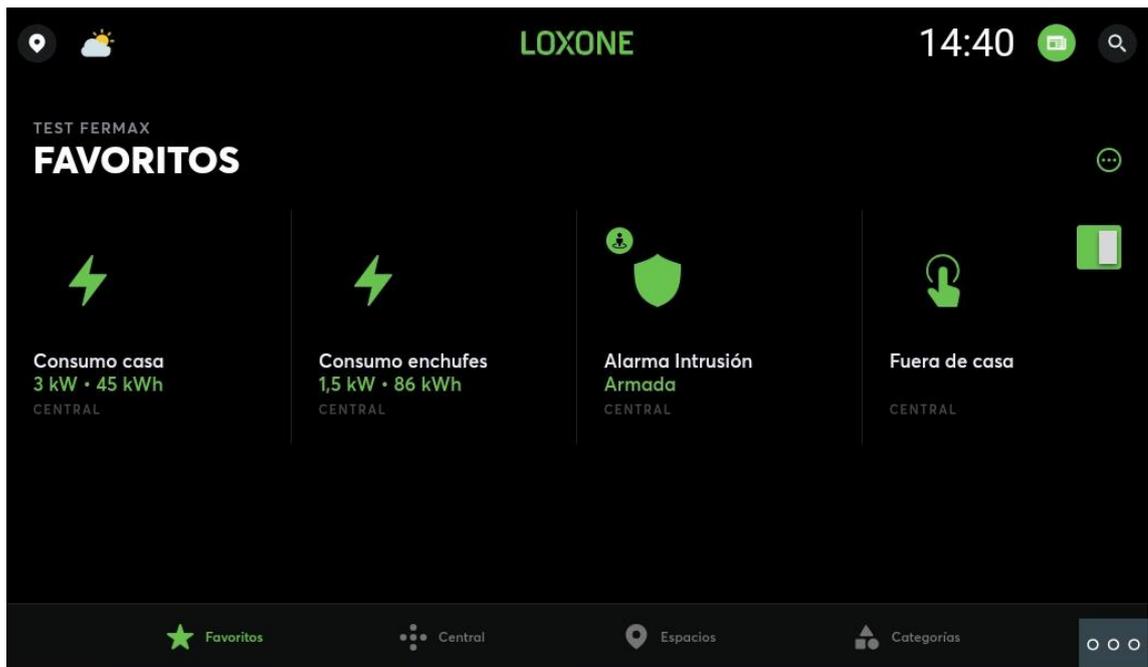
- vi. Select the "Loxone" app and assign an icon to it. Save the settings.
The Home application will be displayed in the main menu of the monitor.
- vii. Open the APP:



- Select automatic Miniserver connection.



- If prompted, enter your username and password. The main screen will be displayed with the options in view.



To exit the application, click on the icon at the bottom right (3 dots) and select the icon in the centre (circle). The next time the application is opened, it will go directly to this last screen.

OPERATION

Each time the Loxone icon is clicked, the monitor will connect to the Miniserver in local mode and the last screen displayed will open.

If a call is received from the outdoor panel, the display will show the communication interface with the outdoor panel. Once the conversation is finished, the display will automatically return to the Loxone app. The display will turn off after 60 seconds without activity. To reactivate it, touch the screen and it will show the point where the app left off.

OTHER CONSIDERATIONS

- This gateway only works with WIT monitor ref. 14721 (7") or ref.14831 (10").
- The WIT monitor is not compatible with the Loxone outdoor panel, always use the MEET outdoor panel. If the monitor is idle (screen off), the Loxone door station call is not received. If the monitor is on, the call is received in the Loxone application, if it is open, the video is shown, but the audio cannot be regulated from panel to monitor, so in some situations it will not be intelligible.
- Some selections require double tapping (lighting mode or RGB mosaic), so it differs from the behaviour of the app on mobile.
- **The integration referred to in this manual is based on version 15.0.0 of the Loxone APP. Therefore, FERMAX does not guarantee the successful integration of the MEET monitor with later versions of the APP that may be developed in the future.**