Zennio Z50 Meet Video Intercom User Guide

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Zennio Z50 Meet Video Intercom

Product Information

Specifications

- Protocol Compatibility: SIP
- Audio Codecs: G722 or PCMU (G711u)
- Video Codecs: H264

Product Usage Instructions

Introduction

This document provides a basic configuration example for the Fermax Meet video intercom in conjunction with the indoor unit (Z50 / Z70 v2 / Z100) for a simple installation in a private home where both devices are on the same network.

For a video intercom to be compatible with an indoor unit, it must meet the following requirements:

- SIP protocol compatibility (Meet is compatible)
- Use of G722 or PCMU (G711u) audio codecs (Meet supports G721u)
- Use of H264 video codecs (Meet uses H264)

For video intercoms that do not support the HTTP protocol, the following additional requirements apply:

- The video intercom must support automatic answer functionality in order to view the camera from the control unit.
- The video intercom must support the EARLY MEDIA method to view the camera during an incoming call.

General Configuration of Indoor Unit

Regardless of the video intercom being used, the following configuration is required in ETS for the indoor unit:

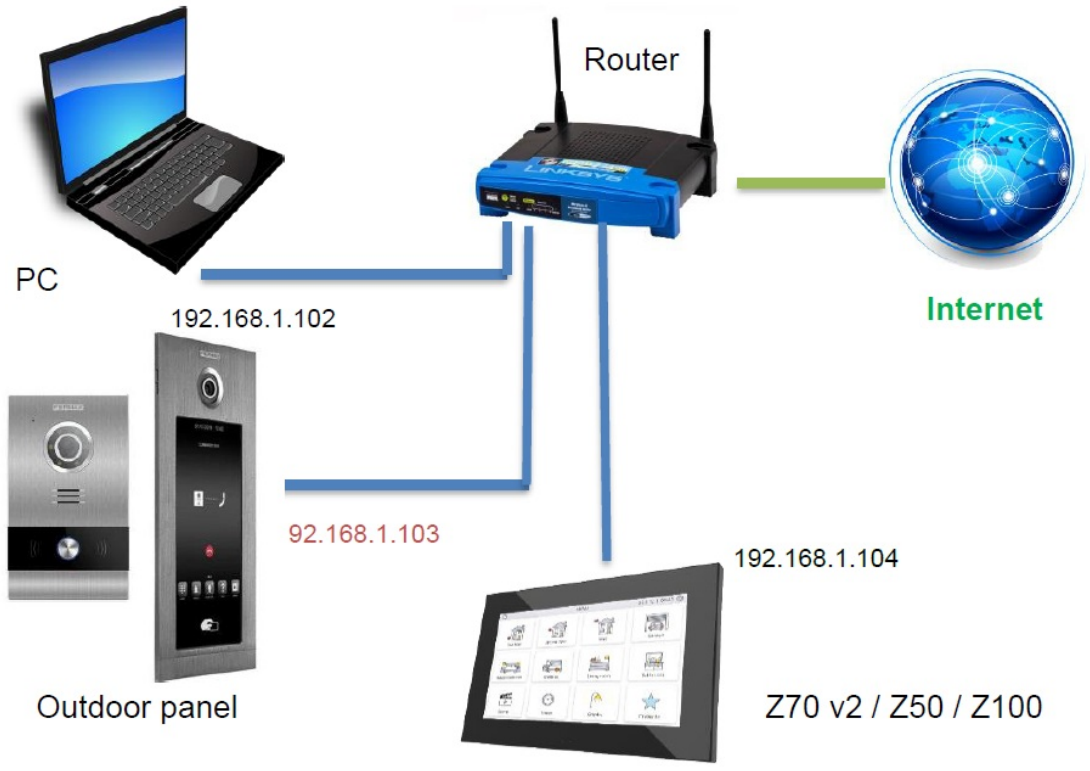
1. Set the IP configuration of the device by configuring a static IP within the network range.
2. Enable VoIP functionality from the IP Configuration tab.

FAQ

- Q: What are the supported audio codecs?
  A: The supported audio codecs are G722 and PCMU (G711u).
- Q: What video codec does the product use?
  A: The product uses H264 video codec.
- Q: How do I configure the IP settings for the indoor unit?
  A: To configure the IP settings for the indoor unit, set a static IP within the network range and enable VoIP functionality from the IP Configuration tab.

INTRODUCTION

This document presents an example of basic configuration of the Fermax Meet video intercom together with the indoor unit (Z50 / Z70 v2 / Z100) in a simple installation of a private home when both devices are in the same network.



For a video intercom to be compatible with an indoor unit, it must have at least the following requirements:

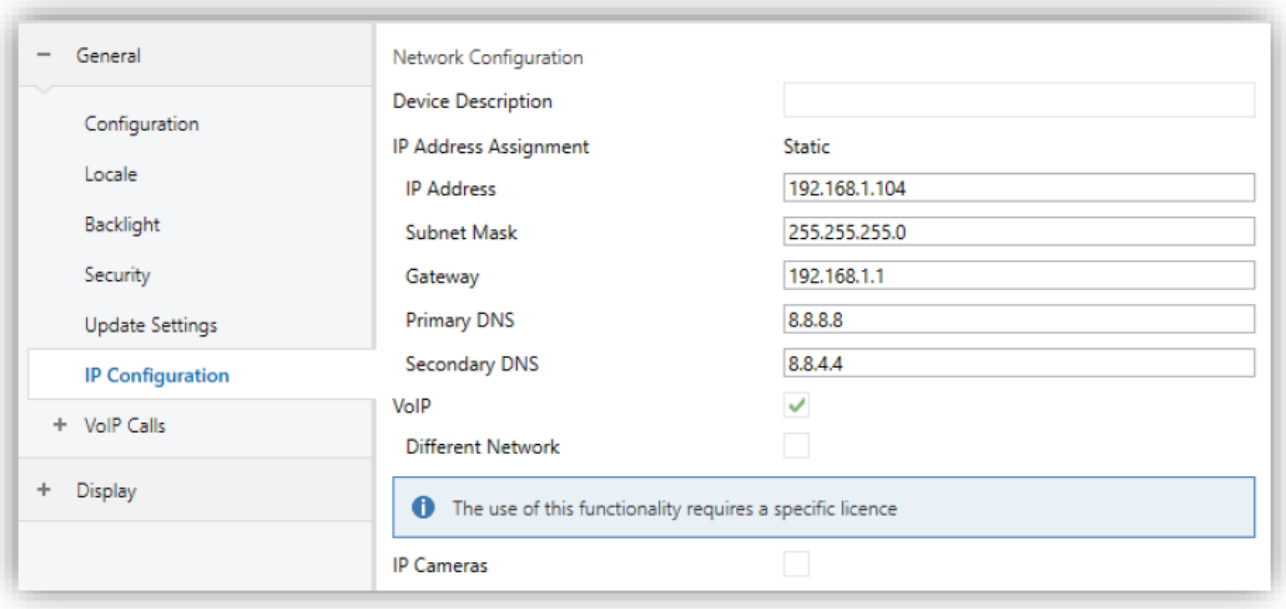
- SIP protocol compatibility. Meet is compatible.
- Use of G722 or PCMU (G711u) audio codecs. Meet supports G721u.

- Use of H264 video codecs. Meet uses H264.

In the case of video intercoms that are not compatible with http protocol:

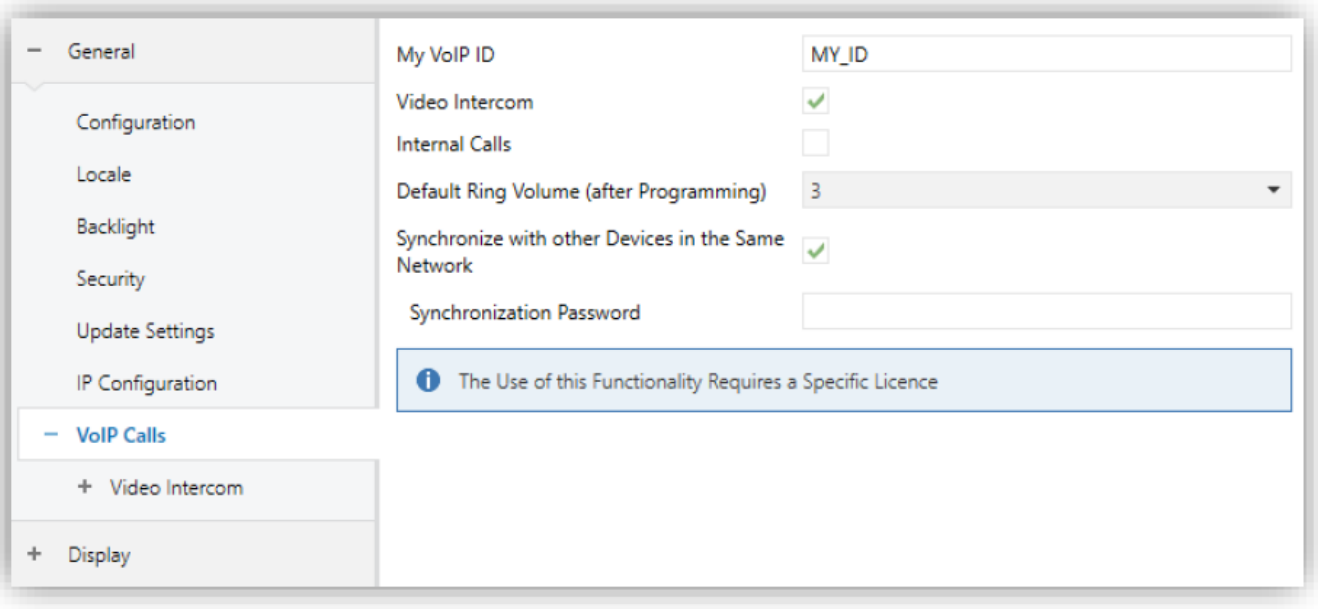
- In order to be able to view the camera from the control unit, the video intercom must support the automatic answer functionality.
- In order to be able to view the camera during an incoming call, the video intercom must support the EARLY MEDIA method.

GENERAL CONFIGURATION OF INDOOR UNIT

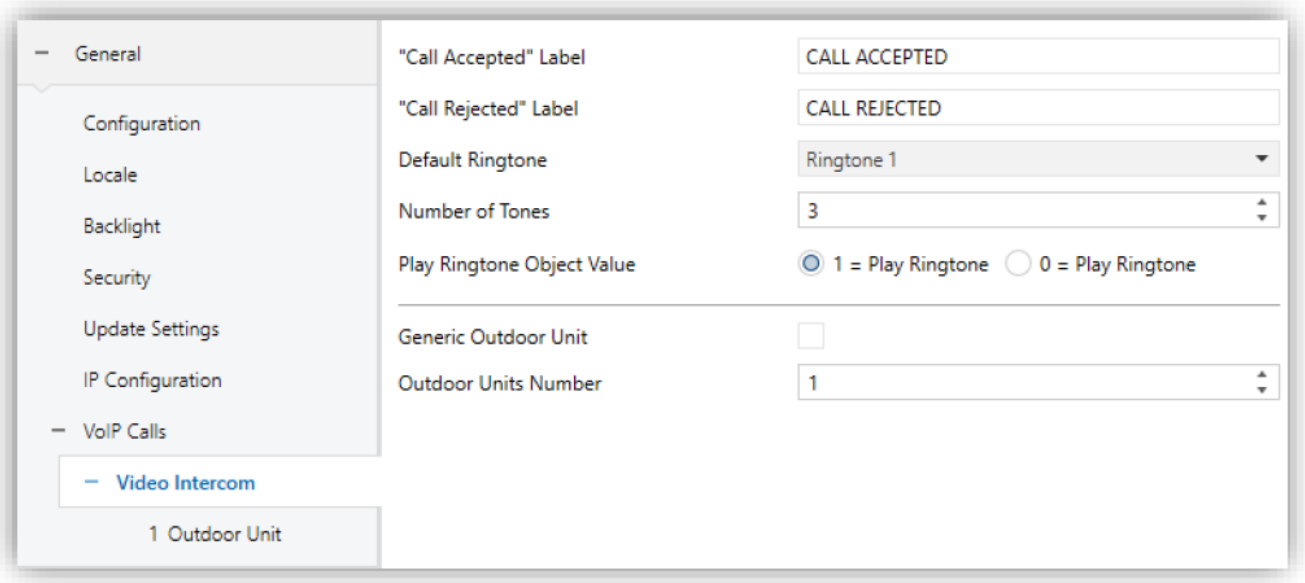


Irrespective of the video intercom to be used, the following configuration is required in ETS for the indoor unit. First, the IP configuration of the device must be set by configuring a static IP within the network range and enabling VoIP functionality from the “IP Configuration” tab.

Then, within the “VoIP Calls” tab, the following actions are performed:

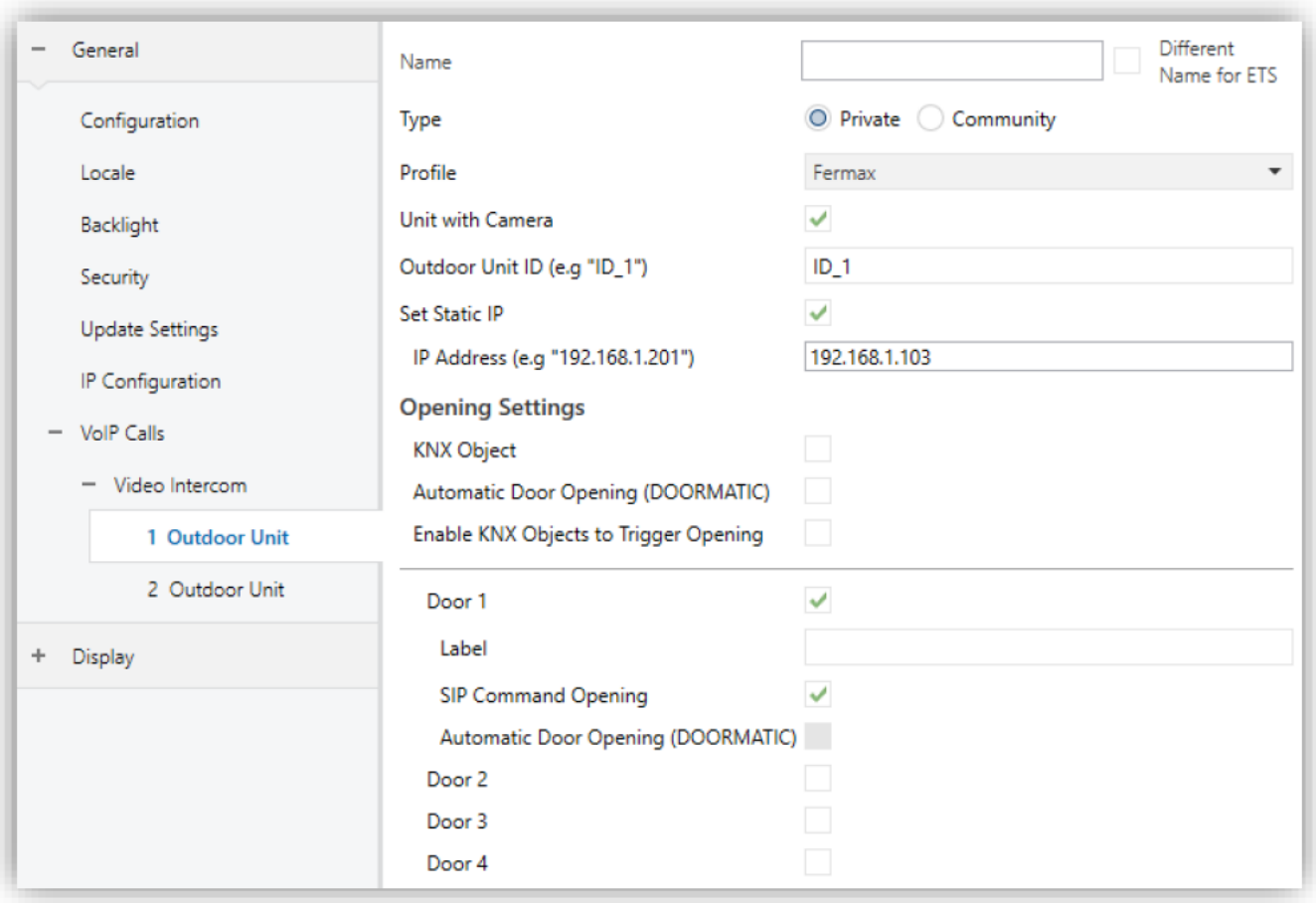


- Set an identifier in the My VoIP ID parameter.
- Enable the Video Intercom entry functionality, then setting the Outdoor Units Number to be installed from the tab “Video Intercom”.



- This section shows the basic configuration required in an installation with a Zennio indoor unit and a Fermax video intercom.
- It is also necessary to have a computer connected to the same network to configure the video intercom via their IP.

To enable communication between an indoor unit and a Fermax video intercom, the following parameters must be configured in the “N Outdoor Unit” tab:



- Profile: Fermax.

- Outdoor Unit ID: this ID will depend on the configuration of the general tab in the video intercom, as indicated below:
    - Block panel: BBB0099XX, where:
        - BBB= Block number (0's on the left are omitted)
        - XX= Device number (01…99)
        - 0099 is fixed.
    - General entrance panel: 200XX, where:
        - XX= Device number (01..99)
        - 200 is fixed.
    - 1-way panel: X0BBB00UUUU, where
    - X= Device number (0..9)
    - BBB= Block number (000..999)
    - UUUU= Apartment number(0001..9899)
    - 0's are fixed

      For example, if the video intercom is configured as a 1-way panel with the following parameters: Device number=2, Block number=50 and Apartment number=204. In this case, the Outdoor Unit ID will be 20050000204
- Set Static IP: Enabled. This parameter sets the IP of the video intercom.

Note:

- This parameter is only mandatory in case the video intercom is in a different network than the indoor unit, but it is recommended to enable it whenever the video intercom has a static IP.
- If the video intercom gets the IP via DHCP, this parameter must be disabled.

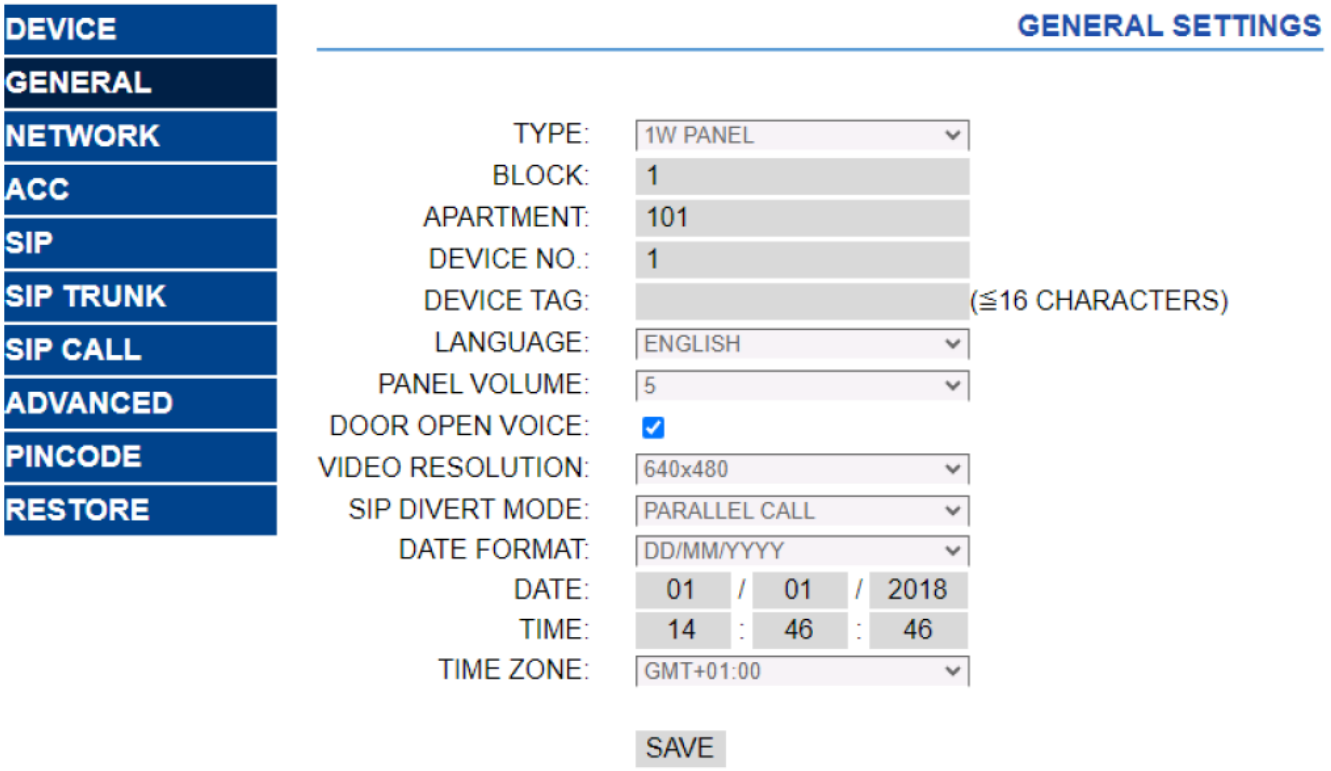
OUTDOOR PANEL CONFIGURATION

MEET ONE-WAY PANEL

This section details the basic configuration so that the video intercom can communicate with the indoor unit correctly. To do this, it is necessary to configure the following tabs in the video intercom configuration interface.

GENERAL

This tab is used to configure the type of video intercom (Individual), the block number, unit number and device number. These parameters will define the video intercom ID (see section 2 to know how to calculate the Outdoor Unit ID).
For instance, in the example of ¡Error! No se encuentra el origen de la referencia.5 the ID will be 100010101



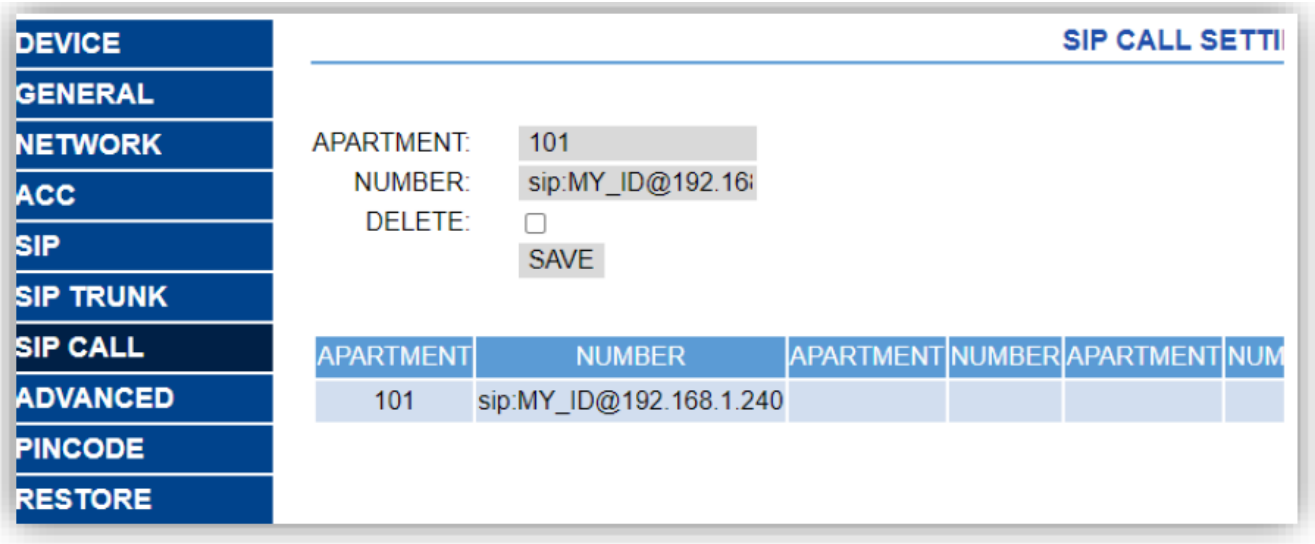
In case of calling several indoor units simultaneously, you can select the PARALLEL SIP FORWARD MODE to call them at the same time or SEQUENTIAL to call one after the other if it does not answer within 30 seconds.

NETWORK

This tab sets the IP configuration of the video intercom. This IP will be the one configured in the IP Address ETS parameter, available in the “N Outdoor Unit” tab

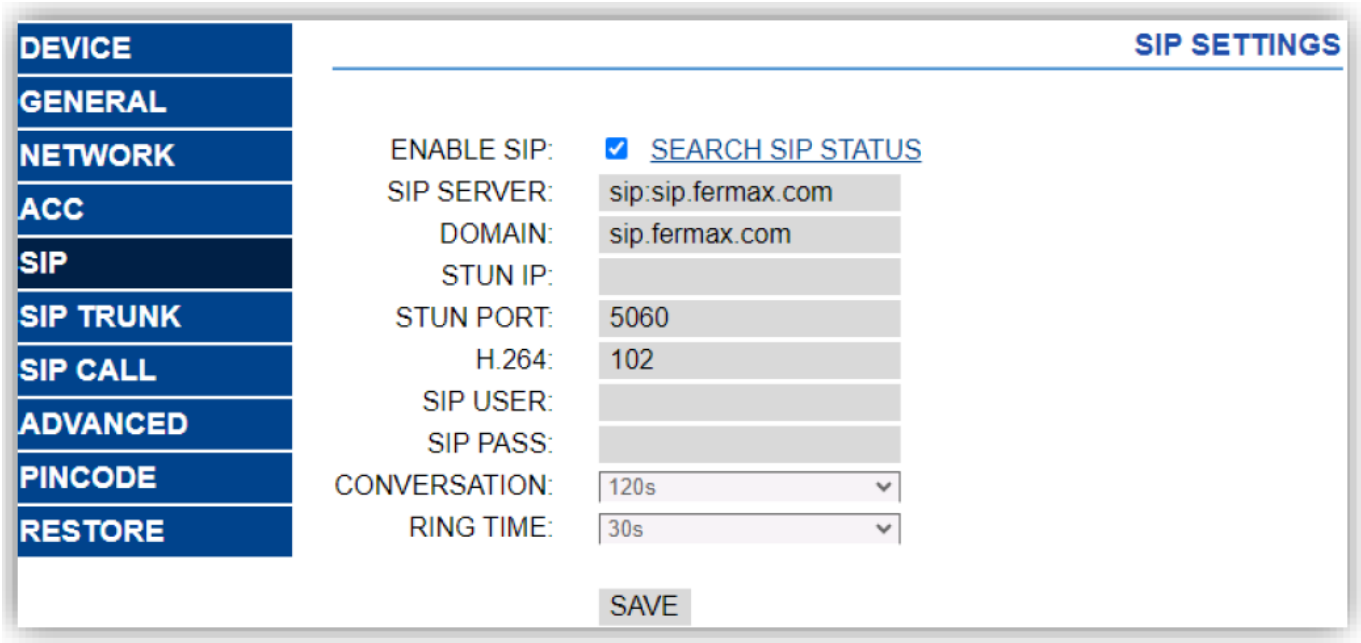
SIP CALL

In this tab, the contact to be called by the video intercom is added. The unit number and indoor unit to be called are indicated, which will have the format sip: ID_indoor_unit@IP_indoor_unit. This IP and ID correspond to those configured for the internal unit in the “IP Configuration” and “VoIP Calls” tabs of ETS.



It is possible to define more than one recipient of the call (for example, two screens), separating the information of each one using ';'. If you want to divert to the Fermax mobile app (MeetMe) in addition to the indoor unit, indicate the license code followed by @sip.fermax.com (for instance sip:MY_ID@192.168.1.2140; 0019929@sip.fermax.com).

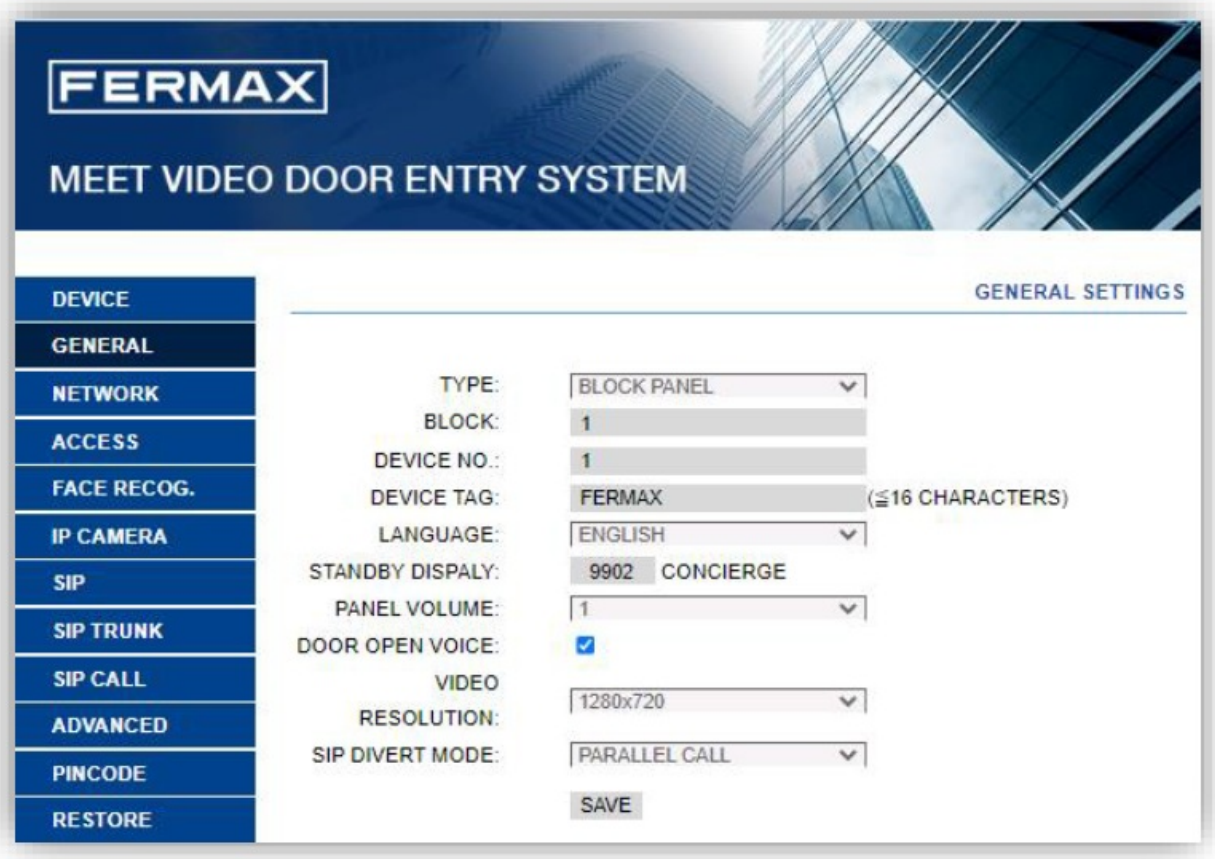
To forward the call to the MeetMe app, it is necessary to register the outdoor panel on the Fermax server, in the SIP tab with the following data:



- SIP USER corresponds to the license number and IP PASS the password on the label that accompanies the street panel.
- Clicking on the SEE SIP STATUS link will show if the registration is satisfactory

MEET DIGITAL PANEL
Digital panel allows the call to several units. Configuration is similar to the previous one with little differences.

GENERAL
This tab is used to configure the type of video intercom (block or general entrance), the block number and device number. These parameters will define the video intercom ID (see section 2 to know how to calculate the Outdoor Unit ID). For instance, in the example of ¡Error! No se encuentra el origen de la referencia.9 the ID will be 1009901.



In case of calling several indoor units simultaneously, you can select the PARALLEL SIP FORWARD MODE to call them at the same time or SEQUENTIAL to call one after the other if it does not answer within 30 seconds.

NETWORK

This tab sets the IP configuration of the video intercom. This IP will be the one configured in the IP Address ETS parameter, available in the “N Outdoor Unit” tab.

SIP CALL

In this tab, the contacts to be called by the video intercom are added. For each apartment a number will be assigned to call, which will have the format sip: ID_indoor_unit@IP_indoor_unit. This IP and ID correspond to those configured for the internal unit in the “IP Configuration” and “VoIP Calls” tabs of ETS.

To fill out the contact list, you must download a CSV file from the entrance panel by clicking on the EXPORT option:

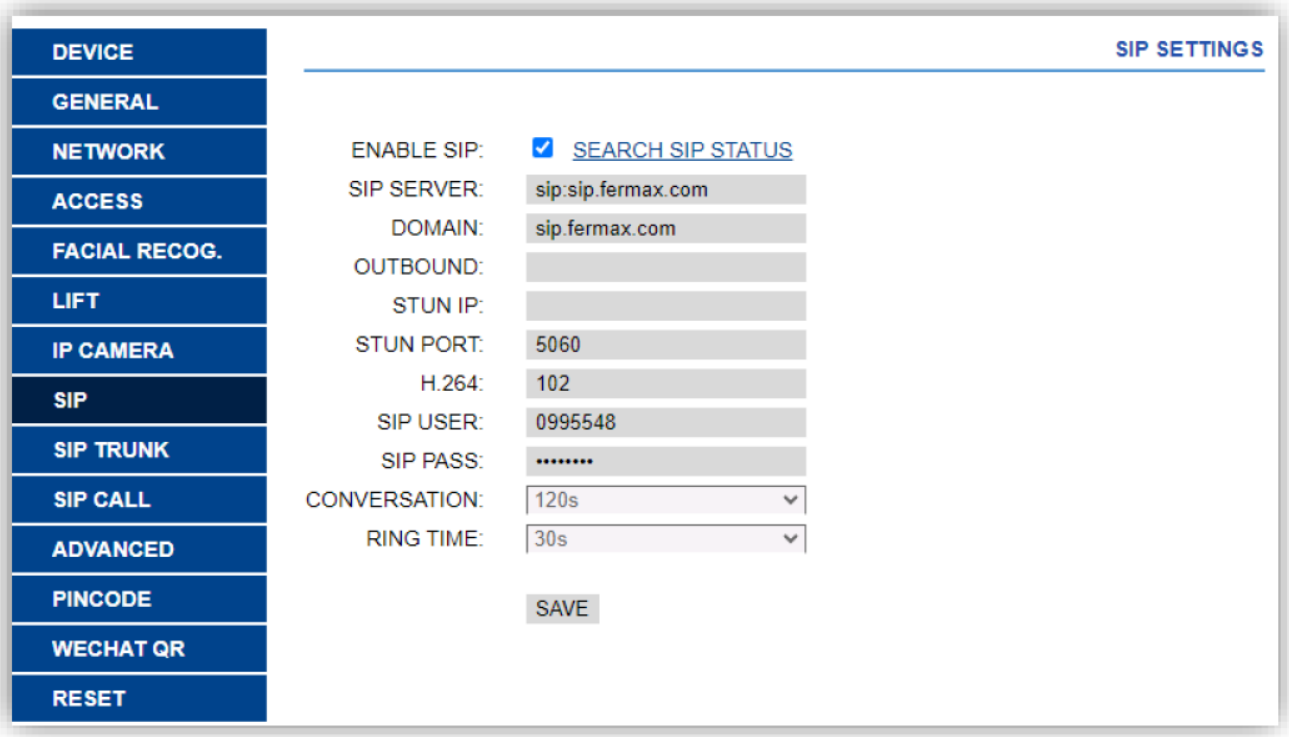
A CSV file will be generated with the name MEET_CALL_DIVERT_PXXX_XX.CSV that must be edited with the information of each home.

An example configuration is the following:

```
APARTMENT,NUMBER,
1,sip:1@192.168.1.240
2,sip:2@192.168.1.241
3,sip:3@192.168.1.242
4,sip:4@192.168.1.243;sip:00879892@sip.fermax.com
```

The dialling code from the video intercom is indicated first, and then the sip value: ID_interior_unit@IP_interior_unit.
It is possible to define more than one recipient of the call (for example, two screens), separating the information of each one using ';' (example of home 4). If you want to divert to the Fermax mobile app (MeetMe) in addition to the indoor unit, indicate the license code followed by @sip.fermax.com (example 4).

To forward the call to the MeetMe app, it is necessary to register the outdoor panel on the Fermax server, in the SIP tab with the following data:



- SIP USER corresponds to the license number and IP PASS the password on the label that accompanies the street panel.
- Clicking on the SEE SIP STATUS link will show if the registration is satisfactory.

Join and send us your inquiries about Zennio devices: **https://support.zennio.com**
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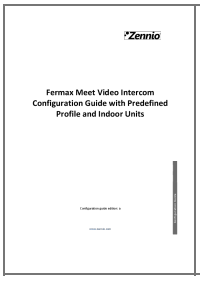
Documents / Resources

	**Zennio Z50 Meet Video Intercom** [pdf] User Guide Z50 Meet Video Intercom, Z50, Meet Video Intercom, Video Intercom, Intercom

References

- **International English | FERMAX**
- **Home En | Zennio**
- **User Manual**

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