CASE STUDY

MEET-THINKNX Integration

Description
The following document tries to summarize steps to follow
to integrate MEET IP Door Entry System & THINKNX Micro server

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INTRODUCTION

The purpose of this document is to set out the steps to be followed to:

1. Integrate the outdoor panel call in the ThinKNX UP APP, via SIP server available on the ThinKNX Micro device.
2. Control of a KNX installation from MEET monitors, via the visualisation of the ThinKNX Micro itself.

MATERIAL

- Ref. 14811-14813 / Monitor WIT 10''
- Ref. 9541 / MIO/WIT Monitor Connector
- Ref. 9533 / MILO Panel 1L
- Ref. 1586 / Switch 4 PoE ports
- MICRO THINKNX Gateway

Optional material in case, in addition to opening the main door (e.g.: pedestrian access door) controlled from the panel itself, it is desired to manage a secondary door (e.g.: garage door):
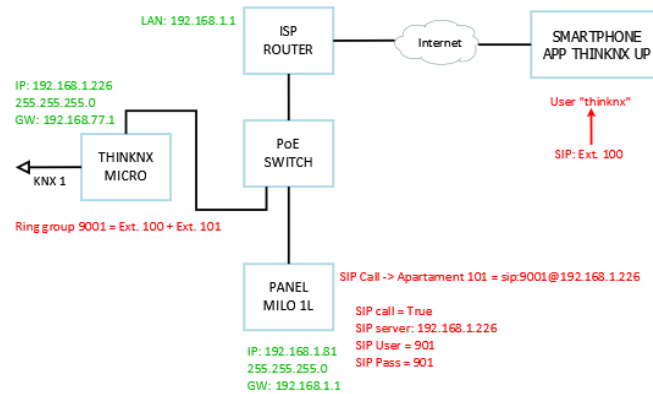
- Ref. 1490 / External door opener MEET

BASIC SCHEME
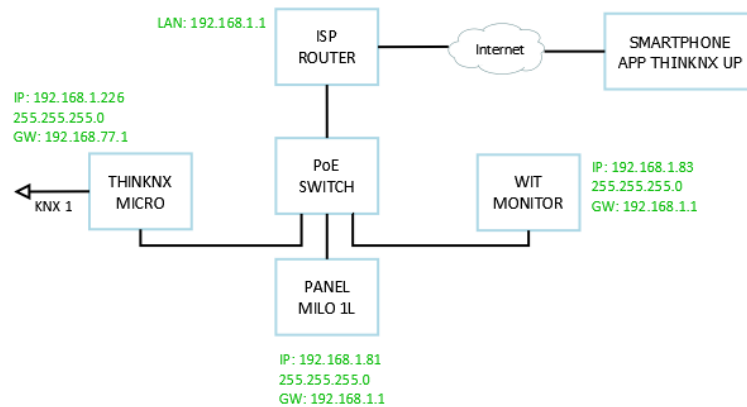
CONFIGURATION

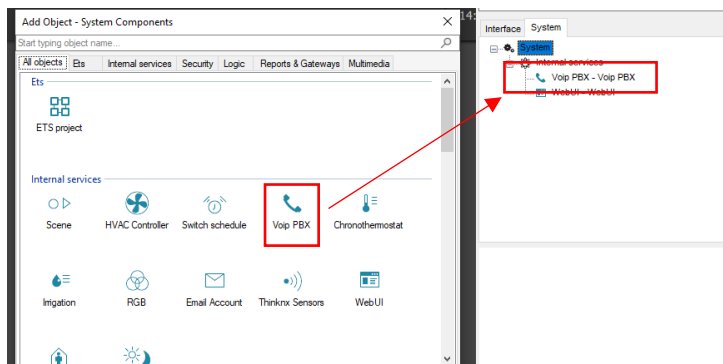## 1. Integration of FERMAX entrance panels in THINKNX UP application

Summary

- Entrance panel registered on SIP server ThinKNX Micro as **extension 901**
- SIP server ThinKNX Micro contains **Ring group 9001** with a set of extensions to call (100, 101...), assigned to certain users ("thinknx1", "thinknx2" ...).
- When calling from the door station, extension 901 will call Ring group 9001, which contains the different extensions associated to the users. Those who are registered on the SIP server at that time will receive the call.
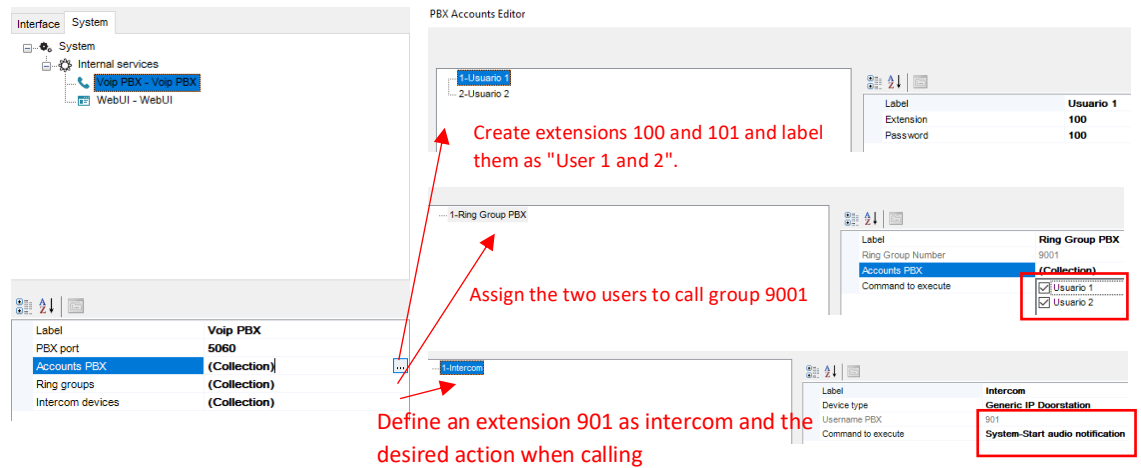
Audio integration

ThinKNX Micro SIP Server

1. Thinknx Configurator > System > System > Right click > Add object > Voip PBX

2. Select "Voip PBX" and set up users, call groups and intercoms

Create extensions 100 and 101 and label them as "User 1 and 2".

Assign the two users to call group 9001

Define an extension 901 as intercom and the desired action when calling

3. Associate extensions and user. Example user "thinknx" (password thinknxPass1) associated to extension 100:
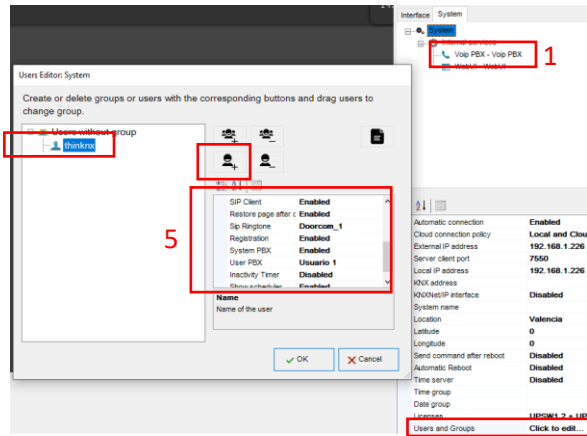
Panel Milo 1L

1. Web server > General > Configure MEET P2P call (Block = 1; Apart. = 101)

2. SIP > Register the panel on the ThinKNX Micro SIP server as extension 901.

3. SIP Call > Apartment 101 = Call group call 9001 from SIP ThinKNX server

| SIP CALL	APARTAMENTO	NÚMERO
AVANZADO	101	sip:9001@192.168.1.226

Video integration

ThinKNX Micro SIP Server

Interface > Create a new function "Intercom", define a new page "Page 1" and add a new object "Camera" to it. Set the parameters
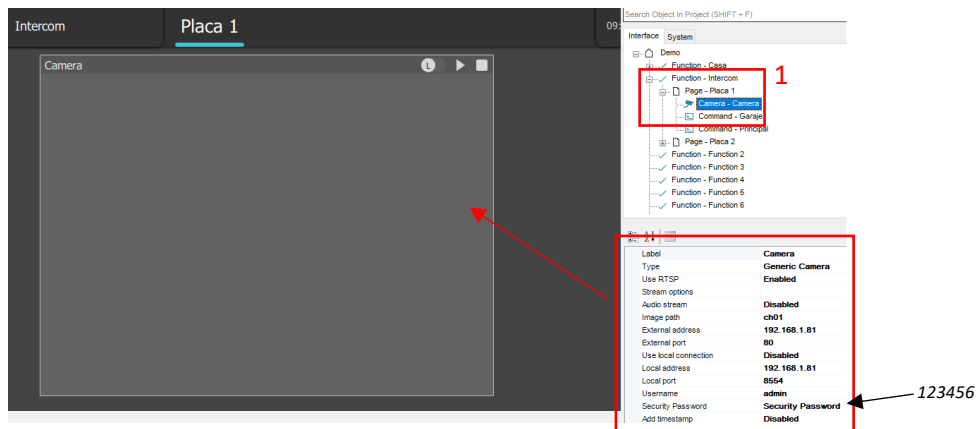
Door opening control

ThinKNX Configurator > Interface > "Intercom" function > Add object > "Generic command" > Command = Send DTMF tone during conversation > DTMF Tone = "#"
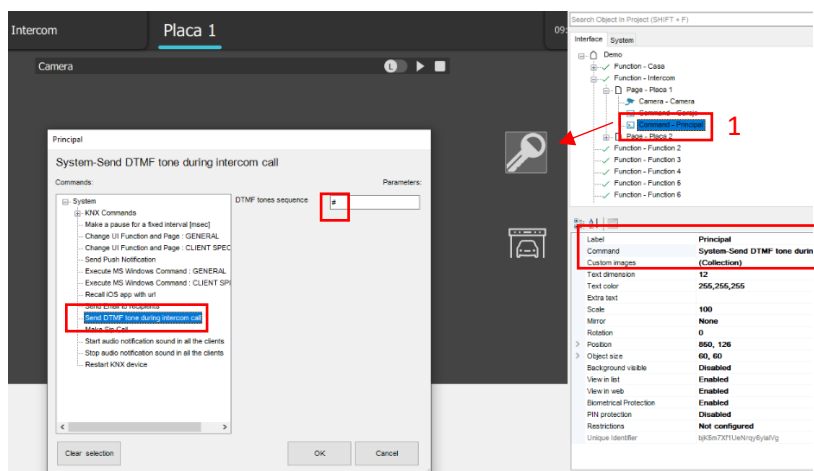
In case there is a second door (e.g., garage), add a device ref. 1490 / MEET external relay to be connected to the MILO 1L panel and include a new button via ThinKNX Configurator that sends the DTMF tone "0".

TESTS

1. Call from outdoor panel to WIT monitor and ThinKNX UP smartphone APP (user "thinknx")

	Steps	Result	OK?
1	Open APP ThinKNX UP using an smartphone for registratering in the SIP server and leave it in background*.	Thinknx Voip icon is shown	
	Push button panel Milo 1L	Parallel call: • MEET P2P: WIT Monitor apt. 101 • SIP: ThinKNX UP smartphone APP	
	Answer from MEET **monitor**. Open door	Call to smartphone ends when answering	
	Push button panel Milo 1L	Parallel call: • MEET P2P: WIT Monitor apt. 101 • SIP: ThinKNX UP smartphone APP	
5	Answer from **smartphone**. Open door	Call to MEET monitor ends when responding	
	Close APP ThinKNX UP on smartphone	We are no longer registered on the ThinKNX SIP server.	
	Push button panel Milo 1L	Single call to MEET P2P: WIT monitor	

*Alternative for call forwarding without requiring to keep APP ThinKNX UP in the background:
 MEET ME APP

2. Home automation control:

A) Via Smartphone
B) Via WIT monitor

OTHER CONSIDERATIONS

FW THINKNX MICRO   Fw. Version: 1.1.10.18

FW monitor WIT: V03.00T