# **CASE STUDY**

## Integration of Meet Intercom system with DorSIP PBX from DASSnet DORLET

#### Description

It describes how to configure the Meet outdoor panel and the DorSIP PBX from DASSnet to route calls from the panel to any SIP extension.

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## **INTRODUCTION**

In offices and companies, it is common to connect the video door entry panel to the telephone switchboard to receive the call on a specific extension, preferably on the employee's computer, simplifying the work of installing and receiving calls. With the evolution of switchboards, a world of previously unimaginable advantages is now available, such as receiving the call on any extension located in different locations or even on the smartphone, and receiving video on the call, which was not available on an analogue telephone interface. You therefore have the same features as in a video door entry monitor if the terminal receiving the call has a screen: two-way conversation, visualisation of the visit and door opening.

The Fermax outdoor panel has evolved to adapt to this environment, and a clear example is the MEET panel, with IP technology, which supports SIP protocol, necessary in this type of integration. In this application, the outdoor panel must register in the SIP switchboard with a username and password and route calls to the required extension(s).

In the specific case of the DORLET DASSnet<sup>®</sup> SIP client, let's see how to configure the MEET outdoor panel, the DorSIP PBX and the DASSnet<sup>®</sup> client so that they can work together.

## MATERIAL REQUIRED

Any Fermax MEET outdoor panel can be used for this integration, as all of them support SIP protocol. If you want to call a single extension, it is advisable to use the one-way MILO panel (a single pushbutton) or the KIN or MARINE panel in one-way mode. If you want to call different extensions to locate different people, you can use the MILO panel or, if an electronic directory is required, the KIN or MARINE panel.

The outdoor panel may require a power supply if PoE is not supported.

A DORLET controller (UCA) must be used for door unlock as the door opener will be connected to it. The Mifare proximity reader of the outdoor panel (KIN, MARINE, MILO building) will be connected to the controller for full integration.

## **BASIC SCHEME**



Power supply to the panel via PoE switch.



Power supply to the panel via PoE splitter.



Power supply to the panel via additional power supply.

Connection of the outdoor panel to the controller (UCA):



The EX.PROXIMITY connector contains the Wiegand-26 signals from the internal Mifare proximity reader:

- WD0= Data0
- WD1= Data1
- - = negative.

If the door-open voice message is to be played on the outdoor panel, the UCA shall make a contact closure between the EXIT and - signals when allowing access to users.

## **INSTALLATION**

Once the outdoor panel is installed, it must be connected to a switch or directly to the installation's router. The door opener connection will be wired to the UCA. Finally, the panel will be wired to the power supply or PoE splitter if required.

It is possible to connect a MEET monitor to simultaneously receive the call inside the office, as a backup to the call through the switchboard.

## CONFIGURATION

#### <u>SIP PABX</u>

The first thing we will have to do for the correct operation of the MEET outdoor panel in DASSnet<sup>®</sup> is to configure the different extensions necessary for its correct operation in the SIP PBX. Any SIP PBX can be used.

In the case of the DorSIP switchboard, registration is carried out as follows:

1) Create an extension for the outdoor panel (6011 in the example), under PBX Configuration - Extensions.

Básico Extensiones Control de Llamadas entrantes Grupos de Timbrado Opción IssabelPBX sin Embeber	Extensi Eliminar ex Usado como Add Follow Add Gabcast f - Editar extensi	ón: 6011 Atensión 6011 destino por 1 objeto: Me Settings Settings Settings ión	
	Nombre para mostrar <sup>©</sup> CID Num Alias <sup>©</sup> Alias SIP <sup>©</sup> - Opciones de l	Fermax 1L 6011 a extensión	
	CID saliente Asterisk Dial Options <sup>®</sup> Ring Time <sup>®</sup> Call Forward Ring Time <sup>®</sup> Outbound Concurrency Limit <sup>®</sup> Llamada en espera <sup>®</sup> Internal Auto Answer <sup>®</sup> Call Screening Pinless Dialing <sup>®</sup> CID de emergencia <sup>®</sup>	Tr Por defecto V Por defecto V No Limit V Habilitar V Deshabilitar V Deshabilitar V (CID	Override

2) We create an extension for the DASSnet server (6002 in the example). This extension is necessary in case you want to perform automatic actions.

Básico Extensiones Control de Llamadas entrantes Grupos de Timbrado Opción IssabelPBX sin Embeber	Extensión: 6002 Eliminar extensión 6002 Add Follow Me Settings Add Gabcast Settings - Editar extensión	
	Nombre para mostrar®	Servidor Dassnet Pruebas
	CID Num Aliae	
	Alias SID®	6002
	Oncionas de la extensión	0002
	- opciones de la excension	
	CID saliente 🗵	
	Asterisk Dial Options	tr Override
	Ring Time®	Por defecto 🗸
	Call Forward Ring Time®	Por defecto 🗸
	Outbound Concurrency Limit®	No Limit 🗸
	Llamada en espera 🛛	Habilitar 🗸
	Internal Auto Answer 💿	Deshabilitar 🗸
	Call Screening®	Deshabilitar 🗸
	Pinless Dialing 🕫	Deshabilitar 🗸
	CID de emergencia®	
	- Assigned DID/CID	
	Descripción del DID <sup>©</sup>	
	Añadir DID entrante 🕫	
	Añadir CID saliente	
	- Opciones del dispositivo	
	Este dispositivo usa la tecnolog	ía sip.
	secret 🤨	66002
	dtmfmode 🧐	RFC 2833

3) We create another extension for the receiver of the call, the DASSnet client (6008 in the example).

Básico Extensiones Control de Llamadas entrantes Grupos de Timbrado	Extensión: 6008	3				
Opción IssabelPBX sin Embeber	Add Follow Me Settings Add Gabcast Settings - Editar extensión	Add Follow Me Settings Add Gabcast Settings				
	Nombre para mostrar 🥹	Cliente DASSnet pruebas				
	CID Num Alias®					
	Alias SIP 💿					
	- Opciones de la extensión					
	CID saliente	Clente DASSnet				
	Astarial Disl Ostina 2	tr				
	Asterisk Dial Options	Override				
	Ring Time	Por defecto 🗸				
	Call Forward Ring Time	Por defecto 🗸				
	Outbound Concurrency Limit	No Limit 🗸				
	Llamada en espera 📀	Habilitar 🗸				
	Internal Auto Answer 🤨	Deshabilitar 🗸				
	Call Screening 🤨	Deshabilitar 🗸				
	Pinless Dialing 💿	Deshabilitar 🗸				
	CID de emergencia®					
	- Assigned DID/CID					
	Descripción del DID 🛛					
	Añadir DID entrante					
	Añadir CID saliente					
	- Opciones del dispositivo					
	Este dispositivo usa la tecnolog	jía sip.				
	secret	6000				
	dtmfmode 💿	RFC 2833 🗸				

4) Finally, we create a call group (60000 in the below example), where we configure the two extensions the door panel shall call simultaneously.

Grupo	de	extensiones:	60000
-------	----	--------------	-------

Eliminar grupo de extensiones	
Editar grupo de extensiones	
Descripción del grupo de extensiones:: ©	Prueba AXIS
Ring Strategy: 💿	Sonar todos v
Ring Time (max 300 sec) 💿	20 0
Lista de extensiones: 🖗	6008 6002
Selector rápido de extensiones 💿	(Seleccione una extensión) v
Anuncio: 0	Ninguno V
¿Reproducir música en espera? 🥯	Sonar v
CID Name Prefix: 🤨	
Información de alerta 🔍 :	
Ignore CF Settings 🕫 :	
Ignorar agentes ocupados 🕫 :	
Enable Call Pickup	
Confirmar llamadas :	Dor defecto
Anuncio remoto: 🧐	
Too-Late Announce: 🖗	Por defecto V
Change External CID Configuration	
Mode: 🗐	Por defecto
Fixed CID Value: 🛛	
Call Recording	
Record Calls <sup>©</sup>	Always On Demand Never
Destino si no hay respuesta:	
Terminar Ilamada 🗸 🗸 🗸	~

#### OUTDOOR PANEL CONFIGURATION

To configure the outdoor panel, use a browser and access the IP address assigned to the entrance panel, by default 10.1.0.1 (building entrance panel) or 10.1.1.2 (one-way panel) and enter the user admin and default password 123456.

The following steps will be followed:

#### 1) <u>General configuration</u>

a. One-way panel

You must configure the panel as an Individual Panel, assign a block (default 1), a dwelling (default is 101), and a panel number (default 1).

The Device Tag is important to identify the origin of the call on SIP extensions. The resolution of the camera shall be adjusted to the needs of the terminals used to receive the call.

	AX EO DOOR ENTRY S	SYSTEM
DEVICE		GENERAL SETTINGS
GENERAL		
NETWORK	TYPE:	1W PANEL
ACC	BLOCK:	1
	APARTMENT:	101
SIP	DEVICE NO .:	1
SIP TRUNK	DEVICE TAG:	FERMAX (≦16 CHARACTERS)
SIP CALL	LANGUAGE:	ENGLISH 🗸
	PANEL VOLUME:	5
ADVANCED	DOOR OPEN VOICE:	
PINCODE	VIDEO RESOLUTION:	640x480 🗸
RESTORE	SIP DIVERT MODE:	PARALLEL CALL
	DATE FORMAT:	DD/MM/YYYY V
	DATE:	01 / 01 / 2018
	TIME:	12 : 34 : 07
	TIME ZONE:	GMT+01:00 ¥
		SAVE

#### b. Building Panel

In this example we have used a KIN building entrance panel. The panel must be configured as a Block Panel, assigned a block (default 1) and a panel number (default 1).

The Device Tag is important to identify the origin of the call on SIP extensions. The resolution of the camera shall be adjusted to the needs of the terminals used to receive the call.

FERMA	X	
MEET VIDEO		Y SYSTEM
DEVICE	ńi	GENERAL SETTING
GENERAL		
NETWORK	TYPE:	BLOCK PANEL-DIGITAL
ACCESS	BLOCK:	1
FACIAL RECOG	DEVICE NO .:	1
LIST	DEVICE TAG:	FERMAX (≤16 CHARACTERS)
	ALPHANUMERIC	
IP CAMERA	LANGUAGE:	ENGLISH
SIP	PANEL VOLUME	3
SIP TRUNK	BACKGROUND	DARK COLOR
SIP CALL	BRIGHTNESS:	250 🗸
ADVANCED	VOICE SYNTH .:	
PINCODE	VIDEO	640x480
	RESOLUTION:	
WECHAT QR	SIP DIVERT MODE:	PARALLEL CALL
RESET	SCREENSAVER:	(PNG,600*1024)
	HELP:	Seleccionar archivo Ninlec. IMPORT EXPORT DELETE  (PNG,600*1024)  Seleccionar archivo Nin Iec. IMPORT EXPORT DELETE
		Constant and the ministry and the other becart

In case of calling more than one extension at the same time, it must be indicated whether the call will be made in parallel or sequentially, calling the next extension if the previous one is not answered within 30 seconds.

2) Network settings

An IP address compatible with the installation's lan will be assigned and the Gateway or router address will be indicated in order to have access to the Internet if you wish to make the call forwarding to the mobile phone. It is necessary to define a DNS server.

The IP address of the software will be left as the default one, unless it is required to manage access control registrations and cancellations for employees (proximity cards or facial recognition). In this case, the IP address of the computer on which the MEET management software (MMS) is installed shall be indicated.

	DOOR EN	TRY SYSTEM	
DEVICE			NETWORK SETTINGS
GENERAL	-		
NETWORK	IP:	192.168.1.224	
ACCESS	MASK:	255.255.255.0	
FACIAL RECOG.	GATEWAY:	192.168.1.1 8.8.8.8	
LIFT	SOFTWARE IP:	192.168.1.223	
IP CAMERA	SW. PIN:		
SIP		SAVE	
SIP TRUNK			
SIP CALL			
ADVANCED			
PINCODE			
WECHAT QR			
RESET			

3) SIP PBX configuration

In the SIP Configuration section, the IP of the SIP PBX will be indicated, as shown in the screen below (192.168.1.221). Enter the user (extension number) and the password assigned to the outdoor panel extension (registration password). Next, check if the panel is correctly configured in the switchboard by clicking on the VIEW SIP STATUS link. If REGISTERED does not appear, check the information entered.

	D DOOR ENTI	RY SYSTEM	
DEVICE			SIP SETTINGS
GENERAL	-		
NETWORK	ENABLE SIP:	SEARCH SIP STATUS	
ACCESS	SIP SERVER:	sip:192.168.1.191	
FACIAL RECOG.	DOMAIN:	192.168.1.191	
LIET	OUTBOUND:		
	STUN PORT	5060	
	H.264:	102	
SIP	SIP USER:	6011	
SIP TRUNK	SIP PASS:		
SIP CALL	CONVERSATION:	120s 🗸	
ADVANCED	RING TIME:	30s 🗸	
PINCODE		SAVE	
WECHAT QR			
RESET			

- **SIP SERVER**: sip: IP of the PBX
- **DOMAIN**: IP address of the PBX
- **STUN PORT**: UPD port of the control unit, 5060
- **SIP USER**: Extension that we have given to the intercom within the switchboard.
- **PASS SIP**: Password that we have configured in the PBX to the extension.
- 4) <u>Call extensions configuration</u>
  - a. One-way Panel

Go to the 'SIP CALL' tab and enter the flat number indicated in the 'GENERAL' section (101 in our example) and as NUMBER the SIP extension you want to call (6008 in the example) and click on 'SAVE'.

		NTRY SYSTEM				
DEVICE	1			1	SIP CALL S	
GENERAL						
NETWORK	APARTMENT:	101				
ACC	NUMBER:	sip:6008@192.168.				
SIP	DELETE.	SAVE				
SIP TRUNK		preservation of and				
SIP CALL	APARTMENT	NUMBER	APARTMENT	NUMBER	APARTMENT	NUMB
ADVANCED	101	sip:6008@192.168.1.191				
PINCODE						
RESTORE						

b. Building panel

A CSV file will be configured with the assignment of call codes to the extensions to be called. The CSV file format can be downloaded from the SIP CALL section of the panel's web server, EXPORT option.

An example is the following:

APARTMENT,NUMBER,			
1,sip:6008@192.168.1.191			
5,sip:6009@192.168.1.191			
3,sip:6010@192.168.1.191	,		
4,sip:6011@192.168.1.191	;sip:00879892	@sip.fermax	.com,

First indicate the code to be dialled and separated by a comma, the extension of the switchboard that is to receive the call when this code is dialled. In the example, dialling 1 will call extension 6008. Dialing 2 will call extension 6009.

It is possible to call more than one extension by listing several extensions in the same row separated by semicolons. One of these extensions can be a MeetMe licence to be able to call a smartphone via the MeetMe application (example 4). This allows calling a smartphone outside the local network, including video.

To load the CSV file on the panel, select the file created and click on the IMPORT button. The list of calls of the file will appear on the screen. Sometimes it is necessary to refresh the browser screen by clicking on the corresponding icon:



If we want to call by means of the agenda in the case of a KIN panel, the agenda will be created in a CSV file (different from the previous one). The CSV file format can be downloaded from the ADVANCED section of the panel's web server, EXPORT option.

One row is filled in per phonebook item, indicating the call code, Name to be displayed, blank, Y,. Example:

APARTMENT,NAME,MA	APPING CODE, WHITELIST(Y),
19,CARLOS FERRER, ,Y,	
12, PEPE GARCIA, ,Y,	
13,ANDRES LOPEZ,,Y,	
14, ALICIA MARTINEZ,, Y	,

The file is loaded using the IMPORT option:



The DIRECTORY option is enabled so that this option appears on the panel.

#### DASSnet<sup>®</sup> Client CONFIGURATION

Within the DASSnet<sup>®</sup> client we have to configure several sections.

1) SIP Agent Server

Go to options and in the **intercom** section, configure the SIP Agent server.

Monitoring       Administration       Accesses       Alarms       Persons maintenance       Options       Architecture         Automatic actions       Alarms log       Workstation administration       Persons maintenance       Options       Architecture         Image: Construction of the second state of	r E	
Automatic actions       Alarms log       Workstation administration       Persons maintenance       Options       Architecture         Image: Construction of the second seco	Monitoring Administra	tion Accesses Alarms Persons and cards Vehicles Visits Reporting Help
General       General         W User's accounts       Broadcast address:         Broadcast port for readers:       3052         Max. time for call response:       90 seconds.         Accesses       Max. time for call response:         Alarms       Intercom system         Starts SIP server       Local listening port (UDP):         Local listening port (UDP):       5080         SIP PBX IP address:       192.168.1.1!         PBX Intercom system       Register in PBX         Extension:       6002         Password:       WYiviGNG7p         Registration time (sec):       1200         Trace level:       0         Status of server SIP agent:       Starting         Registration in PBX:       Registered	Automatic actions Alarms log	Workstation administration Persons maintenance Options Architecture
General       General         Image: Second seco		
Wuser's accounts       Broadcast address:         Broadcast port for readers:       3052         Max. time for call response:       90 seconds.         Accesses       Max. time for call response:       90 seconds.         Atarms       Server SIP agent         Visits       Visits       UDP):       5080         SIP PBX IP address:       192.168.1.1!       PBX port (UDP):       5060         SIP PBX IP address:       192.168.1.1!       PBX port (UDP):       5060         Folders       Folders       Folders       Trace level:       0         Status of server SIP agent:         Cons       Status of server SIP agent:       Registration in PBX;       Registered	Q General	General
Accesses Broadcast port for readers: 3052   Max. time for call response: 90 seconds.   Alarms   Alarms   Map view   Visits   Visits   Access monitor   Intercom system   Folders   Sounds   Sounds   Status of server SIP agent:   Registration in PBX:   Registration in PBX:	🐌 User's accounts	Broadcast address:
Max. time for call response:       90 seconds.         Max. time for call response:       90 seconds.         Max. time for call response:       90 seconds.         Server SIP agent       Server SIP agent         Visits       Visits         Access monitor       Intercom system         Folders       Folders         Sounds       Server SIP agent:         Status of server SIP agent:       Status of server SIP agent:         Status of server SIP agent:       Statting         Registration in PBX:       Registered		Broadcast port for readers: 3052
Alarms       Server SIP agent	X Accesses	Max. time for call response: 90 seconds.
Map view       Image: Start SIP server         Image: Start SIP server       Local listening port (UDP):         SIP PBX IP address:       192.168.1.15         PBX port (UDP):       5060         Intercom system       Image: Register in PBX         Intercom system       Extension:         Folders       Trace level:         Sounds       Status of server SIP agent:         Status of server SIP agent:       Starting         Registration in PBX:       Registered	l Alarms	Server SIP agent
Visits       Local listening port (UDP):       5080         SIP PBX IP address:       192.168.1.15       PBX port (UDP):       5060         Intercom system       Register in PBX       Extension:       6002       Password: WY1v1GNG7p       Registration time (sec):       1200         Folders       Trace level:       0       0       Status of server SIP agent:       Starting         Cons       Registration in PBX:       Registered       0	👞 Map view	☑ Start SIP server
SIP PBX IP address:       192.168.1.1!       PBX port (UDP):       5060         Intercom system       Intercom system       Extension:       6002       Password:       wYiviGNG7p       Registration time (sec):       1200         Folders       Trace level:       0       0       Status of server SIP agent:       Status of server SIP agent:       Status of server SIP agent:       Registration in PBX:       Registered	📚 Visits	Local listening port (UDP): 5080
Register in PBX         Register in PBX         Extension:       6002         Password:       W1iviGNG7p         Register in PBX         Extension:       6002         Password:       W1iviGNG7p         Register in PBX         Extension:       6002         Password:       W1iviGNG7p         Registration in PBX:       Starting         Registration in PBX:       Registreed	Access monitor	SIP PBX IP address:         192.168.1.15         PBX port (UDP):         50.60
Intercom system       Extension: 6002       Password: wYiviGNG7p       Registration time (sec): 1200         Image: Sounds       Trace level: 0       Trace level: 0         Image: Sounds       Status of server SIP agent:       Starting         Registration in PBX:       Registred		🔽 Register in PBX
Folders     Trace level: 0       Sounds     Status of server SIP agent:     Starting       Registration in PBX:     Registered	Intercom system	Extension: 6002 Password: wYiviGNG7p Registration time (sec): 1200
Sounds         Status of server SIP agent:         Starting           Closs         Registration in PBX:         Registration	R Folders	Trace level: 0
Registration in PBX: Registered	Sounds	Status of server SIP agent: Starting
		Registration in PBX: Registered
Export transactions file	Export transactions file	

### 2) Local SIP Agent

#### Go to Administration - Workstations

<b>9</b>	Ionitoring	Administra	tion Acces	sses Alarms	Persons and car	ds Vehicle:	s Visits	Reporting H	elp
							<b>S</b>		<b>I</b>
Architectur	e Maps ar	chitecture	Organisation	Users and groups	Operative areas	Workstations	Tasks	External notifications	Control list

#### Select the equipment (PC) and in the Local SIP Agent tab, configure the PBX data.

Monitoring Administration	Accesses Alarms Persons and cards	Vehicles Visits Reporting He	p
Automatic actions Alarms log Workst	tion administration Persons maintenance	Options Architecture	
	DESKTOP-JFOBLJK*		
Workstations (1) Additional data DESKTOP-JFOBLJK	Workstation: DESKTOP-JFOBLJK IP Address: 192.168.1.32		
	Devices of the workstation Options Lo	:al SIP agent	
	Display name: Cliente	eDASSnet	☑ Local echo suppressor
	Local listening port (UDP): 5060	Base Port RTP (UDP):	5100 RTP Port range: 198
	SIP PBX IP address: 192.16	i8.1.191 PBX port (UDP):	5060
	Register in PBX		
	Extension: 6008	Password: IUu9gY7I6W	Registration time (sec): 1200
			Trace level: 0
	Status of local SIP agent:	Star	ting
	Registration in PBX:	Regis	tered

#### 3) Architecture

We create a system and then assign the reader to the outdoor panel in order to be able to control some actions from the outdoor panel.

	- 0
Monitoring Administration Accesses Alarms Persons and cards Vehicles Visits Reporting Help	
Automatic actions Alarms log Workstation administration Persons maintenance Options Architecture	
Image: Second grades       Online readers configured: 2 limit: 16         Dispositivos Sip configurados: 3 límite: 3	
Fermax 1L (1004)     Sistema 1 X     Monitor Fermax (1008)	
Placa KIN (1007)     Placa KIN (1007)     Sistema 1     Mane:	
💿 Controller properties 😨 Reader 1: Lector 1-S2 😨 Reader 2: Lector 2-S2 🍫 Digital inputs <table-cell> Analogue inputs 🛪 Stoppages 😒 Outputs</table-cell>	
Version	î
Version saved in database: Dorlet Proxy Device (1.0.0)	
Controller vanables	
System variables	
Parameter	
R → Pointy	
Attendance controller	
Time difference: 0 hour(s)	
Calendars	
Readers calendaris Calendario lectores *	
Alarms calendaris Calendario alarmas *	=
Access calendars: Calendario accesos -	
Controller alarms	
Generate alarm for disconnected controller	
Priority: 5	
Isomered device priority: 3	
Users	
Volking mode:	
Sluice gate	
Controller cards	
Check card	~
Devices searching	

Create a new SIP device (+ New SIP device)

<b>T</b>				
Monitoring Administration	Accesses Alarms Perso	ns and cards Vehicles	Visits Reporting	Help
Automatic actions Alarms log Wo	orkstation administration Persons	maintenance Options Arc	chitecture	
Online readers	configured: 2 limit: 16 Dispos	itivos Sip configurados: 3 lír	mite: 3	
Fermax 1L (1004)     Monitor Fermax (1008)     Place KIN (1007)	Fermax 1L* 🗴			
<ul> <li>✓ -③ Sistema 1</li> <li>↓ 1- Lector 1-52</li> </ul>	Name of the SIP device:	Fermax 1L		
2- Lector 2-S2	Extension of SIP agent:	6011		
	Reader:	Lector 1-S2	• 🛛	
	Manufacturer:	Fermax intercoms	•	
	Enable RTSP camera			
	User: admin	Password:	••••	
	IP Address: 192.168.1.224	RTSP port: 85	554	

- **SIP device name**: The name of the intercom within DASSnet<sup>®</sup>.
- **SIP device extension**: The extension previously assigned to the outdoor panel in the PBX.
- **Reader**: This section is optional, but if we assign a reader we will be able to carry out several actions on the reader from the intercom.
- **Manufacturer**: In our case we will select Fermax
- Select Enable RTSP camera and fill in the details
  - **User**: User for accessing the outdoor panel settings
  - **Password**: Password for accessing the outdoor panel settings
  - IP address: ip address of the panel
  - **RTSP port**: Port for the video, in this case 8554.

A call sound assigned to the outdoor panel must be configured so that a melody is played when the call is received. This is done from the **options** section:

	<u></u>	
U		
Ø	Connect / Change connection	
Ø	Change password	1
∿	Mute sounds	-
C	Cameras visibility	_
X	Options	ç
		😢 Exit

Sounds section. In 'repeat sound', activate the option "until answer call" and choose the desired sound, then Save.

	Repeat sound until call is answered Sound file:	The Microsoft Sound.wav	- 🜔 🙁
Acces	s messages sounds		

## **OPERATION**

To call a specific extension, press the call button (one-way panel) or enter the associated call code (building panel) and confirm with the bell button (Milo, Marine) or the off-hook icon (KIN). In the case of the KIN or MARINE panel, you also have the option of making the call via the Phonebook, by searching for the name of the receiver and pressing on it.



Direct call by code.

Call via phonebook.

The panel will generate the call as if it were a house:



The called extension will indicate the origin of the call by displaying a speaker icon next to the name assigned in the PBX and the chosen sound will be played. You have a maximum of 30 seconds to accept the call.

The call is represented in the access monitor as follows:

Access monitor	
✓     Fermax       Image: Image And the second seco	Answer call Reject call
	Opening pulse
	Open door
	Close door
	Show real-time video
	Edit SIP device
	Show in map view

In the architecture tree the icon changes when we receive the call and in the lower area, in readers, the call also appears in the information.



If we right click on the name, a menu will appear where we can answer or reject the call.

When the call is accepted, two-way audio communication shall be established for up to 120 seconds and the image from the outdoor panel camera shall be displayed.

Once the call is established, we observe that the video and several options are displayed, since we have assigned the SIP device to a reader.

Intercom call	×
Intercom call	
Calling from: Fermax 1L	
Call status: Call in progress	
url SIP: "1004" <sip:1004@192.168< td=""><td>1.191&gt; (Yeastar)</td></sip:1004@192.168<>	1.191> (Yeastar)
Z Finish	call
Speaking with "Fermax 1L" (ext. 100	4) - "1004"
Swipe card	P Opening pulse
Open door	Close door

- **Swipe card**: This option opens the menu to select a card stored in the database.
- **Opening impulse**: We perform an opening impulse on the access.
- **Open door**: We perform the action of leaving the door permanently open.
- **Close door**: We perform the action of closing the door.

#### Auto-on:

From DASSnet<sup>®</sup> we can make calls to the intercom by selecting it with the right mouse button and choosing the call option.

Image Services And American Services And American International Services And American Se	Call to intercom	. parr
-🖲 Sistema 1	Opening pulse Open door Close door	
	Show real-time video	
	Edit SIP device Show in map view	

You will have the same options as for incoming calls.

Intercom call x
Intercom call
Calling from: Fermax 1L
Call status: Call in progress
Z Finish call
Speaking with "Fermax 1L" (ext. 1004)
Swipe card Popening pulse
Open door Close door

From the previous menu we also have the option to view the camera in real time without having to make the call.

Access monitor		
i Fermax 1L i Monitor Fer i Placa KIN (1 ▷ –∃ Sistema 1	Call to intercom Opening pulse Open door Close door	
	Show real-time video	
	Edit SIP device Show in map view	



## **OTHER CONSIDERATIONS**

#### Compatibility with MEET monitor:

If a MEET monitor is available, the call can be received simultaneously at the called extension and at the monitor. The monitor must be assigned the call code dialled on the outdoor panel as the house number. The first one to answer the call will cut off the reception at the other one.

Another option is to configure the monitor in SIP mode as another extension of the switchboard, allowing it to be called from any extension or to call these extensions from the monitor by means of the 'Extercom' option, entering the extension number. In this mode, the video preview is lost until the call is answered when picking up.

For this mode, a new extension must be registered in the SIP PBX with the same configuration that was given to the outdoor panel.

Next, to configure the monitor, access the monitor's web server from a browser using its IP address, and configure the credentials of this extension in the SIP tab:

FERM	AX		
MEET VIDE	O DOOR ENT	RY SYSTEM	
DEVICE	i		SIP SETTINGS
GENERAL			
NETWORK	ENABLE SIP:	SEARCH SIP STATUS	
IP CAMERA	SIP SERVER:	sip:192.168.1.191	
SIP	DOMAIN: OUTBOUND:	192.168.1.191	
ADVANCED	STUN IP:		
ACTUATORS	STUN PORT:	5060	
VERIFICATION	SIP USER:	6010	
PINCODE	SIP PASS: CONVERSATION:	120S Y	
RESTORE		SAVE	

In the ADVANCED option, an opening DTMF tone must be configured in case you want to activate the outdoor panel door release.

FERMAX MEET VIDEO DOOR ENTRY SYSTEM			
DEVICE			ADVANCED SETTINGS
GENERAL			
NETWORK	SIP EXT.: DISABL	E 🗸	
IP CAMERA	AUTO ANSWER:		
SIP	DTMF UNLOCK:		
ADVANCED	DTMF KEY: #		
ACTUATORS	NUMBER OF DOORLOCKS: 0	~	
VERIFICATION	NUMBER OF CAMERAS: 0	~	
PINCODE	SAVE		
RESTORE			

#### Call forwarding to MEETME application:

The outdoor panel can be configured to make the call to the MeetMe application simultaneously or sequentially, with the advantage of being able to receive it wherever the operator is located. It is necessary to purchase a licence for the Meetme call service ref. 1496.

In the configuration of the calling extension to which the outdoor panel is to call, the extension of the SIP client shall be indicated and then, separated by ';' the extension of the licence.

	APARTMENT,NUMBER,			
	1,sip:6008@192.168.1.191			
	5,sip:6009@192.168.1.191			
	3,sip:6010@192.168.1.191,			
4,sip:6011@192.168.1.191;sip:00879892@sip.fermax.com,			.com,	

In this example, dialing call code 4 will call extension 6011 and also the MeetMe app that has been registered with the licence 00879892.

The parallel or sequential mode is configured on the outdoor panel:

DOOR ENTRY S	SYSTEM	
		GENERAL SETTINGS
TYPE:	1W PANEL	-
BLOCK:	1	
APARTMENT:	101	
DEVICE TAG:	FERMAX	(≦16 CHARACTERS)
LANGUAGE:	ENGLISH	-
PANEL VOLUME:	5	-
DOOR OPEN VOICE: VIDEO RESOLUTION:	✓ 640×480	~
SIP DIVERT MODE:	PARALLEL CALL	-
DATE FORMAT:	DD/MM/YYYY	*
DATE:	01 / 01 / 2018	
TIME: TIME ZONE:	ZU 23 55 GMT+01:00	~
	DOOR ENTRY S DOOR ENTRY S BLOCK: APARTMENT: DEVICE NO.: DEVICE TAG: LANGUAGE: PANEL VOLUME: DOOR OPEN VOICE: VIDEO RESOLUTION: SIP DIVERT MODE: DATE FORMAT: DATE : TIME: TIME: TIME ZONE:	TYPE:       1W PANEL         BLOCK:       1         APARTMENT:       101         DEVICE NO:       1         DEVICE TAG:       FERMAX         LANGUAGE:       ENGLISH         PANEL VOLUME:       5         DOOR OPEN VOICE:       Image: 101         VIDEO RESOLUTION:       640x480         DATE FORMAT:       D1         DATE FORMAT:       D1         DATE:       01         TIME:       20       : 23         TIME:       20       : 23

SAVE