# Voip PBX & Doorcom

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Every Thinknx server embeds a software VOIP telephony PBX. It is optimized for the VOIP functionalities between clients and for door communication. This object allows to configure the PBX (extensions, ring groups and door stations).

- **PBX port** This property allows to specify the PBX port if different from the default one (5060).
- Accounts PBX This property represents the list of extensions (clients) to be registered in the PBX.
- **Ring groups** This property represents the list of ring groups to be registered in the PBX. Ring groups allow to call more than one extension using a single number. The outdoor station can forward the call to several clients using a single number.
- **Intercom devices** This property represents the list of intercom devices to be registered in the PBX.

# **Adding PBX accounts**

Click on the button displayed on the right to open the PBX users editor window, then click on "Add" and adjust the properties in the grid:

- **Extension** This property allows to specify the extension number used by the client to join the PBX.
- **Password** This property allows to specify the password associated to the extension number.

# Adding ring groups

Click on the button displayed on the right to open the ring groups editor window, then click on "Add" and adjust the properties in the grid:

- Ring Group Number Number associated to this group in PBX. Group Numbers start from 9000
- Accounts PBX PBX accounts associated to this ring group

# Adding intercom devices

Click on the button displayed on the right to open the intercom devices editor, click on "Add" and adjust the properties in the grid:

- **Device type** It can be selected from the following list:
  - 2N Elios IP
  - Mobotix M24

- TCS gateway
- TCS Native
- Generic IP doorstation
- 2. **Username web** This property corresponds to on of the login parameters of intercom management web page.
- 3. **Password web** This property corresponds to on of the login parameters of intercom management web page.
- 4. **Username PBX** This property corresponds to the extension used by the intercom to register in the PBX; it is automatically generated and it cannot be edited. For devices the numeration starts from 901.
- 5. **IP address** Outdoor station address.
- 6. **Port** Outdoor station port.
- 7. **Intercom buttons** This property allows to configure the intercom button panel, associating to each button the extension or ring group to be called. Click on the button displayed on the right to open the intercom buttons editor, click on "Add" and adjust the properties in the grid:
  - Label: Label associated to the button in the configurator.
  - $\circ\,$  Button number: This property represents the button number on the panel.
  - Call single user: If enabled, the call is sent to a single user when the button is pressed. If disabled, the call is sent to a ring group.
  - Ring Group PBX: Ring group associated to this button.

# Integration example: 2N Helios IP

The Helios IP Verso SIP Door Station is an SIP Door Station solution with an integrated video camera for monitoring door activity. Here follows settings to apply to the 2N Helios door station to work properly with Thinknx PBX. It applies to 2N firmware version 2.10.0 (2015). The following features are supported:

- Paging: When the call button is pressed on the door station, it will call all appropriate clients based on the settings of the ring group called.
- 2Way audio call: the user at the client station can converse with the person outside the door
- Video monitoring: the camera in the door station can be accessed by the client to view the caller and the outside area
- Relay/Door strike actuation from the server: the internal relays can be actuated from Thinknx client/server provided that the needed license inside the 2N (http API) is enabled

## **Preliminary Requirements**

The 2N Helio IP door station has to be connected to the ethernet using a CAT5 cable and it has to be in the same network to which Thinknx server is attached. Also the clients have to be connected to the same network. Special network configuration is possible using the needed routing/firewalling devices.

## Voip PBX setup

Add the Voip PBX object and configure as follow:

• Add several users into the "Accounts PBX" tab

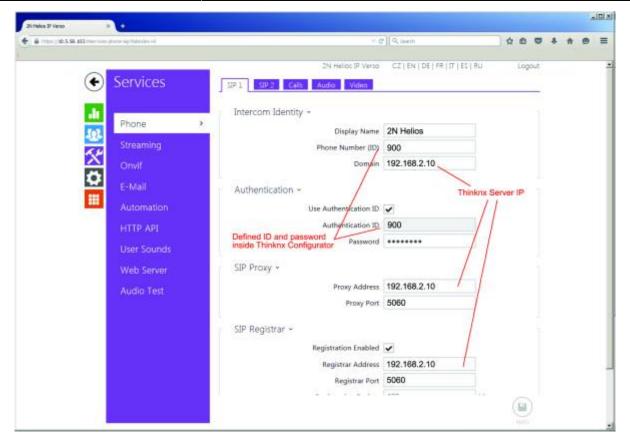
- Add an intercom into the "Intercom devices" and set it as generic intercom. A number will be shown. That is the ID of the intercom (extension number). The password for the registration to the PBX is identical to that number (user 901/pass 901)
- Add a ring group and select the users you want to call with that ring group. A number will be shown. That number is the extension associated to that ring group (9001). Calling that number will canuse all the associated users to ring.

#### 2N Helios IP setup

Enter the IP Address of the door station into a Web Browser. You will be taken to the login page for the Door Station. Log in to the Door Station. By default, the user name is **Admin** and the password is **2n**. You will be taken to the Configuration Utility:

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	2N Helos IP Verso CZ   EN   DE   FR   IT   ES	RU Logout		3
📀 Status	Device Info ~			
100	Product Name 2N Helios IP Verso			
Device Services Licence	> Hardware Version 570v3			
93 Services	Serial Number \$4-0917-0495			
	Firmware Version 2.10.0.19.3			
Licence	Bootloader Version 2.8.0.17.1			
<del></del>	Up Time Od 1h 11m 58s			
	Power Source PoE			
	Device Features *			
	Camera YES			
	Number of Madules 1			

Select the "Services" Icon on the left to access the Services screen. Then select the Phone option:



On the SIP 1 Tab→ Intercom Identity

- 1. Set the Phone Number. This is actually the "ID" with which the device will populate in the Thinknx SIP server (901)
- 2. Set the Domain to the IP Address of Thinknx server

On the SIP 1 Tab $\rightarrow$  Authentication

- 1. Check the Use Authentication ID box
- 2. Set the Authentication ID to the ID of the device inside the Thinknx SIP server (901)
- 3. Set the Password with the same number of the ID (901)

On the SIP 1 Tab $\rightarrow$  SIP Proxy

- 1. Set the Proxy Address to the IP Address of Thinknx server
- 2. Ensure the Proxy Port is set to 5060

On the SIP 1 Tab→ SIP Registrar

- 1. Check the Registration Enabled box
- 2. Set the Registrar Address to the IP Address of Thinknx server
- 3. Ensure the Registrar Port is set to 5060
- 4. Leave the Registration Expires time set to default

On the Audio Tab

- 1. Uncheck G.722
- 2. Make G.711 (PCMU) the first choice

On the HTTP API option:

1. Select "No authentication" for the camera image service

Select the "Directory" Icon on the left to access the Users screen

Figure (18.5.58, 202) Edited by a phone	had (agendrae)	- C	z    9. iewiti	***	+ 1	1 0	=
		2N Helios IP Versa	CZ (EN   DE   FR   IT   ES   RU	Logout			- 2
💽 🕑	irectory	1 2 3 4 5 6 7 8	9 10 Number	+ Q			
<b>1</b>		Position Enabled					
	Jsers >	User Basic Information *					
100			THINKNX				
X		E-Mail					
0		1.415					
		User Phone Numbers -					
		Number 1 Ring grou	p number Thinknx Server IF	20			
		Phone Number	sip.9001@192.168.2.10				
		Time Profile	[hot used]				
		Helios IP Eye Address					
		Parallel call to following number					
		Humber 2					
		Phone Number					- 8
		Time Profile					
		Helios IP Eye Address					
		Parallel call to following number					
		Number 2 Phone Number					
		Phone Number		6			

On the User 1 (button 1) tab:

- 1. Check the "Position Enabled" box
- 2. Under User Basic Information→ Name, type any name you like. The E-Mail field may be left blank
- Under User Phone Numbers→ Number 1→ Phone Number type sip:9001@x.x.x.x, where "x.x.x.x" is the IP Address of the Thinknx Server and 9001 is the extension number to call (ring group in this case).
- 4. All other fields on this screen may be left blank

To be able to see the images coming from the device you need to add a Camera inside Thinknx UI and configure to grab images using the following parameters:

- 1. Type: Generic Camera
- 2. Use RTSP : Disabled
- 3. Image Path : api/camera/snapshot?width=640&height=480
- 4. Fill the other fields like IP addresses and credentials as for any other normal camera.

To be able to open the Lock connected to the 2N device you have two options: to send **DTMF** tones during conversation or to send html **GET** messages to the device. If you want to use DTMF tones, it will be enough to create a Generic Buttom into the UI and select as action the generation of DTMF tone as in the following picture. DTMF code must be the same inserted into the 2N configuration page followed by **#** (in the example 1234#).

If you prefer to use html GET solution, you need to use the Thinknx Ethernet Gateway plugin

and configure a Generic Button to perform an action with the following parameters:

- 1. Command: Make http GET call to a specified url with username and password
- 2. URL : http://IP\_of\_2N\_DEVICE/api/switch/ctrl?switch=1&action=on
- 3. Username : username used to authenticate with 2N station
- 4. Password : password used to authenticate with 2N station

This method require additional licenses from 2N to enable the Switch API. The API should be available on HTTP also (Not HTTPS only).

# Integration example: Doorbird D10x, D20x

The DoorBird D10x and D20x Door Stations are SIP Door Station solution with an integrated video camera for monitoring door activity.

For proper connection between Doorbird door stations and Thinknx PBX, refer to the step-bystep user guide created by Doorbird wich can be found on their website, or follow the instructions below.

The following features are supported:

- Paging: When the call button is pressed on the door station, it will call all appropriate clients based on the settings of the ring group called.
- 2Way audio call: the user at the client station can converse with the person outside the door
- Video monitoring: the camera in the door station can be accessed by the client to view the caller and the outside area
- Relay/Door strike actuation from the server: the internal relays can be actuated from Thinknx client/server or from KNX

## Preliminary Requirements

The DoorBird door station has to be connected in the same network to which Thinknx server is attached. Also the clients have to be connected to the same network. Special network configuration is possible using the needed routing/firewalling devices.

## Voip PBX setup

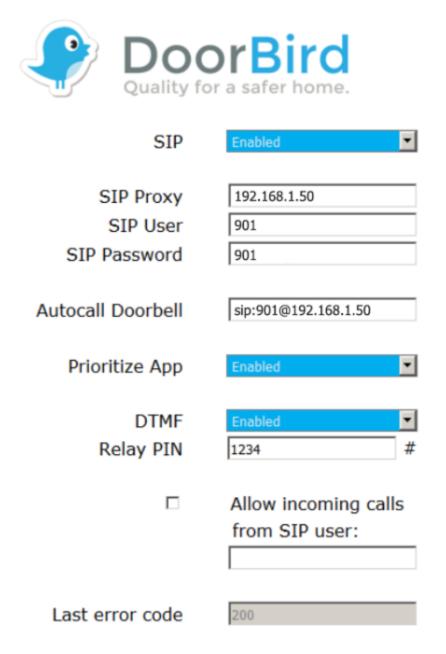
Add the Voip PBX object and configure as follow:

- Add several users into the "Accounts PBX" tab
- Add an intercom into the "Intercom devices" and set it as generic intercom. A number will be shown. That is the ID of the intercom (extension number). The password for the registration to the PBX is identical to that number (user 901/pass 901)
- Add a ring group and select the users you want to call with that ring group. A number will be shown. That number is the extension associated to that ring group (9001). Calling that number will canuse all the associated users to ring.

Enter the following url into a web browser to configure the SIP part of the doorbird device:

#### http://x.x.x.x/bha-api/sip.html

where x.x.x.x is the local ip of the Doorbird doorstation. To get the ip address, in case you don't know it, you can use the utility reachable from the following address: http://www.doorbird.com/checkonline and inserting the required data.



Referring to the image:

- 1. Set SIP to enabled
- 2. Set SIP Proxe to the IP Address of Thinknx server
- 3. Set the SIP User to the ID of the device inside the Thinknx SIP server (901)
- 4. Set the SIP Password with the same number of the ID (901)
- 5. Set the Autocall doorbell as sip:9001@x.x.x.x, where "x.x.x.x" is the IP Address of the

- Thinknx Server and 9001 is the extension number to call (ring group in this case).
- 6. Set DTMF to enabled to be able to open the lock using DTMF codes

The same procedure can be done using the DoorBird app into the dedicated SIP configuration section.

To be able to see the images coming from the device you need to add a Camera inside Thinknx UI and configure to grab images using the following parameters:

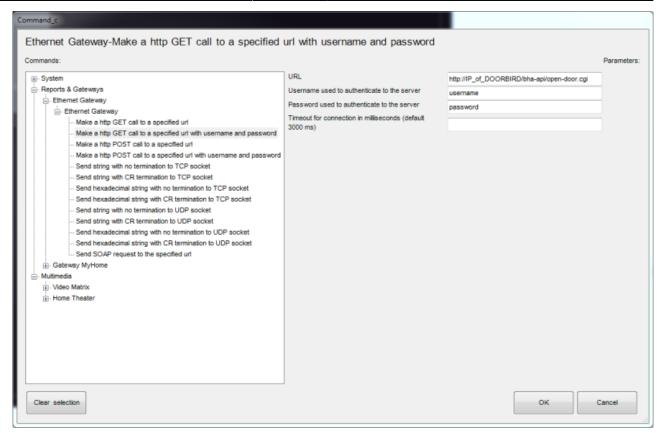
- 1. Type: Generic Camera
- 2. Use RTSP : Disabled
- 3. Image Path : bha-api/image.cgi
- 4. Fill the other fields like IP addresses and credentials as for any other normal camera.

To be able to open the Lock connected to the Doorbird device you have two options: to send **DTMF** tones during conversation or to send html **GET** messages to the device. If you what to use DTMF tones, it will be enough to create a Generic Buttom into the UI and select as action the generation of DTMF tone as in the following picture. DTMF code must be the same inserted into the Doorbird configuration page followed by **#** (in the example 1234#).

Command_c				
System-Send DTMF tone during intercom call				
Commands:			Para	meters:
	DTMF tones sequence	12345#		
System     Send KNX Bit Telegram		12346#		_
- Send KNX Byte Telegram				
- Send KNX Float 2 Byte Telegram				
Send KNX Float 4 Byte Telegram				
Send KNX String Telegram				
Send KNX 4 Bit Telegram				
Read KNX group address				
- Make a pause for a fixed interval [msec]				
Change UI Function and Page : GENERAL				
Change UI Function and Page : CLIENT SPECIFIC				
Send Push Notification				
Execute MS Windows Command : GENERAL				
Execute MS Windows Command : CLIENT SPECIFIC				
Recal iOS app with url				
- Send Email to recipients				
Send DTMF tone during intercom call				
Start audio notification sound in all the clients				
Stop audio notification sound in all the clients				
Reports & Gateways				
🖨 Multimedia				
Video Matrix				
Home Theater				
	]			
Class astration				
Clear selection			OK Cancel	
				di

If you prefer to use html GET solution, you need to use the Thinknx Ethernet Gateway plugin and configure a Generic Button to perform an action with the following parameters:

- 1. Command: Make http GET call to a specified url with username and password
- 2. URL : http://IP\_of\_DOORBIRD/bha-api/open-door.cgi
- 3. Username : username used to authenticate with Doorbird station
- 4. Password : password used to authenticate with Doorbird station



## Integration example: Mobotix T25 doorstation

The Mobotix T25 is a SIP door station solution with an integrated video camera for monitoring door activity. Below are the settings to apply to the Mobotix T25 to work properly with Thinknx PBX. The following features are supported:

- Paging: When the call button is pressed on the door station, it will call all appropriate clients based on the settings of the ring group called.
- 2Way audio call: the user at the client station can converse with the person outside the door
- Video monitoring: the camera in the door station can be accessed by the client to view the caller and the outside area
- Relay/Door strike actuation from the server: the internal relays can be actuated from Thinknx client/server.

#### **Preliminary Requirements**

The Mobotix T25 has to be connected to the ethernet using a CAT5 cable and it has to be in the same network to which Thinknx server is connected. Also, the clients have to be connected to the same network. Special network configuration is possible using the needed routing/firewalling devices.

#### Voip PBX setup

Add the Voip PBX object and configure as follow:

Add several users into the "Accounts PBX" tab

- Add an intercom into the "Intercom devices" and set it as generic intercom. A number will be shown. That is the ID of the intercom (extension number). The password for the registration to the PBX is identical to that number (user 901/pass 901)
- Add a ring group and select the users you want to call with that ring group. A number will be shown. That number is the extension associated to that ring group (9001). Calling that number will cause all the associated users to ring.

## Mobotix T25 setup

Enter the IP Address of the door station into your web browser and login using your admin username and password. You will be redirected to the live page of the camera with a main menu to the left.

Press the "Admin Menu" button to access the administration settings.

Scroll down through the list to reach the section called "Audio and VoIP Telephony.



#### **SIP Server**

Click on "SIP Server Settings". Once inside the page, make sure that the internal SIP Server of Mobotix is OFF. We will not need to activate this since the SIP server used will be the Thinknx server. i 🔏 192.168.1.80/admin/sipserverconfig

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🏫 🔶 МОВОТІХ	T25 mx10-21-55-32 SIP Set	ver Settings			0
SIP Server					
SIP Server:	Off 🔻	Enable or disal	le SIP server.		
Server IP:	192.168.1.80, 10.21.55.32	IPs of the serve	r.		
Port:	5061	UDP port of the	server.		
Realm:	MX_SIP	Realm for auth	entication.		
Missed calls:	Suppress -	Enable notificat	tion of missed cal	lls.	
SIP Accounts					
SIP Address	User Na	ne Passwo	rd		
-	@192.168.1.80	•••••	•••	Delete	
	ſ	Add new SIP accoun	t		
Set	Factory Restore	Close			

#### **SIP Clients**

Go back to the Audio and VoIP Telephony, and click on the SIP Client Settings. Here we need to configure the Mobotix as a SIP client so it can communicate with Thinknx client devices.

- Make sure that SIP Client is Enabled.
- Click on "Add new SIP account" to create a new entry in the SIP Accounts table.
- Under SIP address, enter the extension 901 as username, and the IP address of your Thinknx server as Domain.
- Under Authentication, enter 901 as username and password.
- Under Server, enter the IP address of your Thinknx server as Hostname/Address, and 5060 as port.
- Enable "Available as Proxy" and "Use as Registrar".
- Leave the Register Expiration as 5 min.

i) 🔏 192.168.1.80	)/admin/voipconfi	9							⊚	☆
🏠 🔶 мовотіх	(T25 mx10-21	I-55-32 SIP CI	ient Settings							(
You can view the cur	rent status and det	ailed messages o	f the SIP Client in th	e <u>SIP Client: Messa</u>	iges, Calls, Sta	tus dialog.				
General Phone	Settings									
SIP Client:	Enabled 💌		Enable or dis	able SIP Client.						
Hangup on Outgoing Calls:	Disabled 🝷		Hang up an call is trigger	ongoing call, if an out; ed.	going					
Parallel Dialing:	Enabled -		Enable or dia multiple pho	sable simultaneous c nes.	alls to					
SIP Accounts						_				
SIP Ad	dress	Authe	entication	Serve	r	Available as Proxy	Use as Registrar	Register Expiration		
User Name	Domain	User Name	Password	Hostname / Address	Port					
901 @	192.168.1.51	901	••• 🖯	192.168.1.51	: 5060	V	V	5 min. 👻	Delete	
Network Setting										
NAT Traversal:	Disabled	•	NAT Income	I mode to use.						
NAT Address or STUN server:			the STUN se	P address of the route rver.	er using NAL or					
Router Address Refresh Time:	1 min. 👻			the NAT address, the outer address after this						
SIP Port:	5060		Port to use fo	or the SIP protocol.						
Audio RTP Port:	7078		Port to use for the RTP prot	or transmitting the aud ocol.	lio data using					
Video RTP Port:	9078		Port to use for the RTP prot	or transmitting the vide ocol.	eo data using					
Audio Data Timeout:	60 sec. 🔻			hangs up the call if th dio data for this time.	ere is no					
Audio Message	Settings									
Welcome Message for Inbound Calls:	Disabled 👻		Enable or dis inbound calls	able welcome mess	age for					
Welcome Message for Outbound Calls:	Disabled 🔻		Enable or dis outbound ca	able welcome mess lls.	age for					
Delay before Welcome Message	Disabled 🔻			waits for the time spe a back the Welcome I						
Set	Factory	Restore	Close							

Scroll down through the settings till you reach the Audio Codec Settings.

Make sure that you enable "Use PCMA Codec" and "Use PCMU Codec", and disable "Use G.722 Codec".

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🔶 мовотіх	(T25 mx10-21-55-32 SI	P Client Settings	
udio Message	Settings		
Welcome Message for Inbound Calls:	Disabled 👻	Enable or disable welcome message for inbound calls.	
Welcome Message for Outbound Calls:	Disabled 👻	Enable or disable welcome message for outbound calls.	
Delay before Velcome Message:	Disabled 💌	The camera waits for the time specified here before playing back the Welcome Message on outbound calls after the call is answered.	
DTMF Key Confirmation for Inbound Calls:	Enabled •	Enable or disable DTMF key confirmation messages for inbound calls.	
DTMF Key Confirmation for Outbound Calls:	Enabled 💌	Enable or disable DTMF key confirmation messages for outbound calls.	
Call Status on Camera Speaker:	Disabled 💌	Enable or disable message output about call status on camera speaker.	
Telephone signal tones on speaker:	Enabled 💌	Enable or disable phone tones on camera speaker.	
Early media on speaker:	Enabled 👻	Enable or disable early media output on camera speaker (e.g. remote ringing tones).	
SD Settings			
Auto Hide OSD:	Disabled 🔻	Enable or disable automatic hiding of the On- Screen Display.	
Setup OSD:	Disabled 💌	Enable or disable the Setup On-Screen Display.	
Home View:	None 👻	Enable the Home View by assigning the desired Display Mode.	
udio Codec Se	ttings		
Use G.722 Codec		Activate or deactivate the use of the G.722 codec (HD audio).	
Use PCMA Codec		Activate or deactivate the use of the PCMA codec.	
Use PCMU Codec	V	Activate or deactivate the use of the PCMU codec.	
Use GSM Codec		Activate or deactivate the use of the GSM codec.	
ideo Settings			
Video:	Enabled 💌	Enable or disable video.	
Video Bit Rate:	500 kbit/s 👻	The data rate for video encoding in kbits per second. The encoder tries to stay below this rate but may exceed it on large changes in the image. Note, that this is the output rate of the video.	



If you are unable to view the parameters above, make sure that you scroll down to the "Setup Mode" and select "Expert Setup".

Video Settings			
Video:	Enabled -	Enable or disable video.	
Video Bit Rate:	500 kbit/s 🔹	The data rate for video encoding in kbits per second. The encoder tries to stay below this rate but may exceed it on large changes in the image. Note, that this is the output rate of the video encoder, not the data rate on the network!	
Preferred Codec:	H.264 💌	The preferred video codec.	
Remote Control	Settings		
Signal Out Function A:	Device Out: ~Door -	Select a <u>Signal Out Profile</u> . When remote- controlling the camera, press the phone key "1" to trigger this signal out profile.	
Signal Out Function B:	Device Out: ~LightToggle 👻	Select a <u>Signal Out Profile</u> . When remote- controlling the camera, press the phone key "2" to trigger this signal out profile.	н
Signal Out Function C:	Device Out: ~LightTimer -	Select a <u>Signal Out Profile</u> . When remote- controlling the camera, press the phone key "3" to trigger this signal out profile.	
Setup Mode			
Setup Mode:	Expert Setup 👻	Choose the setup type, Quick Setup can configure the camera for peer-to-peer telephony with another phone and sets all required camera	

## **Configure Outgoing Calls**

Access the "Outgoing Call Settings" from the Audio and VoIP Telephony menu. We will need to create the accounts that the Mobotix will try to call once the intercom button is pressed. Since our accounts have been added to a group call from inside the configurator, then we will only need to create an entry for extension 9001.

To create the profile, click on "Add new profile".

i) 🔏 192.168	.1.80/admin/call_profiles			⊠ ☆ =
🏠 🔶 МОВС	<b>DTIX T25</b> mx10-21-55-32 O	utgoing Calls	Settings	0 0
Test Profile				
Name	call_1 -	Test	Note: Set the changes to a profile before you tes	t it.
Profile	Configuration			
call_1	Phone Number or SIP Address Dial Att	tempts Dial Tim	eout SIP Proxy	
Delete	9001 1	▼ 20	<ul> <li>▼ 192.168.1.51 (901@192.168.1.51)</li> </ul>	
				Add
	Connection type:	SIP Audio 🔻		
	Message name:	None	•	
	Confirm call with PIN code:	<u>a</u>	1	
	After the message has been sent:	Intercom 👻	If you intend to use all audio modes ( <i>Speak</i> , <i>L</i> make sure you have activated all options in th <u>Microphone</u> dialog.	
	Camera Remote Control:	Off 🔻	Note: configure the remote control parameters profile) in the Incoming Calls Settings dialog.	e.g. the dial-out
	Hangup after:	2 minutes 🔹		
		Add new	profile	
Explanation:			addresses which will be tried in turns until the call empts limits the number of calls for each phone n	
Set	Factory Restore	Clos	e	

Add the extension 9001 as Phone Number or SIP Address. Under "SIP Proxy", select the option whith the following template "IP\_Thinknx\_Server(9001@IP\_Thinknx\_Server)".

For "Connection type", choose "SIP Audio".

For the option "After the message has been sent" choose "intercom".

Click on Set to save the settings.

#### **Configure Intercom Button**

The final step to be able to make a call from the intercom would be to configure the button on the Mobotix. To do that, close the "Admin menu" and instead access the "Setup Menu" from the live interface.

Once inside, look for "Event Control" and click on "Action Group Overview".

(i) 192.168.1.80/control/

<b>MOBOTIX T25</b> mx10-3	MOBOTIX T25mx10-21-55-32Setup Overview?					
Image Control	<ul> <li><u>General Image Settings</u> (camera, image size and quality, sharpness,)</li> <li><u>Exposure Settings</u> (image enhancement, exposure windows)</li> <li><u>Color Settings</u> (color profile and saturation)</li> <li><u>JPEG Settings</u> (MxPEG and JPEG quality)</li> <li><u>Text &amp; Display Settings</u> (display of text and error messages)</li> <li><u>vPTZ Settings</u> (vPTZ and zoom settings)</li> </ul>					
Event Control	<ul> <li><u>General Event Settings</u> (arming and event LEDs)</li> <li><u>Event Overview</u> (trigger reactions based on internal and external sensors)</li> <li><u>Action Group Overview</u> (notify users or perform actions on events)</li> <li><u>Recording</u> (event, continuous and snap shot recording)</li> </ul>					
MxAnalytics Control	<ul> <li><u>General MxAnalytics Settings</u> (arming, detection area, counting corridors</li> <li><u>MxAnalytics Overview</u> (status, available data, reports,)</li> <li><u>Counting Corridor Report Profiles</u> (add and customize profiles)</li> <li><u>Heatmap Report Profiles</u> (add and customize profiles)</li> </ul>	i,)				

Click on "Add new group" to create a new entry and name it "Button" or "Bell Button".

i 192.168.1.80/control/a	⊠ ☆ ≡						
	The MOBOTIX T25 mx10-21-55-32 Action Group Overview						
Name	Arming	Events & Actions	Edit				
Auth Delete	Enabled  (No time table)	SIG DO	Edit				
LightSwitch Delete	Enabled  (No time table)	SIG DO	Edit				
LightPirOff Delete	Enabled   (No time table)	SIG DO	Edit				
LightPirOn Delete	Enabled  (No time table)	SIG DO	Edit				
Button Delete	Enabled   (No time table)	SIG CL	Edit				
Add new group							
Set Res	tore Close						

Click on Edit to configure the newly created entry.

Under "Event Selection", select "Signal:CameraBellButton". This will trigger the call when the Bell button on the intercom unit is pressed.

Under Actions, click on "Add new action" and select the action "Phone Call: call\_1". This will allow you to call the extension configured in the Outgoing Call.

(i) 192.168.1.80/control/	actions?group=1	⊌ ☆	≡
	mx10-21-55-32 Action Group Details	0	i
General Settings	Value	Explanation	^
Action Group	Button	Name: The name is purely informational.	
	Enabled 💌	Arming: Controls this action group: Enabled: activate the group. Off: deactivate the group. St: group armed by signal input. CS: group armed by custom signal as defined in <u>General Event Settings</u> .	
	(No time table) -	Time Table: Time table for this action profile ( <u>Time Tables</u> ).	
Event Selection	(Environment: PI) (Environment: MI) Internal: Ring Signal: CameraBellButton	Event Selection: Select the events which will trigger the actions below. Use [Ctrl]-Click to select more than one event. Events in parentheses need to be <u>activated</u> first.	
Action Details	5	Action Deadtime: Time to wait [03800 s] before a new action can take place.	
	Simultaneously	Action Chaining: Choose how the status of each subaction influences the execution of all others. Simultaneously: All actions are executed simultaneously. Simultaneously until first success: Simultaneous execution, but as soon as one action succeeds (i.e. has been completed or the phone is picked up), all others are terminated. Consecutively: All actions are executed in the specified order. Consecutively until first success: Consecutive execution, but as soon as one action succeeds, the following actions are not executed. Consecutively until first failure: Consecutive execution, but as soon as one action fails, the following actions are not executed.	Е
Actions	Value	Explanation	
Action 1	Phone Call: call_1	Action Type and Profile: Select the Action Profile to be executed.	
Delete	0	Action Timeout or Duration: If this action runs longer than the time specified [03800 s], it is aborted and returns an error; 0 to deactivate. For <i>Image Profile</i> action, this is the duration and no error returns.	
	Add new action		
Note:			-
Set Fa	ctory Restore Close	]	
It is recor	nmended to tune the microphone and	d speaker volume on the	



Mobotix intercom for a good quality call. This can be done by going to the Admin Menu and clicking on "Speaker and Microphone" under "Audio and VoIP Telephony".

Once the configuration is completed, do not forget to store the settings on the Mobotix device. This can be done by going to the Admin Menu and scrolling down to the bottom where you will see the option "Store". A reboot will need to take place after storing.

(i) 192.168.1.80/admin/index.html?cachedumn	⊌	☆ ≡	
<b>MOBOTIX T25</b> mx10-21-55-32 Adm	inistration Overview		<b>?</b> ()
Storage	<u>Storage on External File Server / Flash Device</u> <u>Storage Failure Detection</u>		Â
Logos and Image Profiles	Manage Image Files     Logo Profiles     Image Profiles		
Transfer Profiles	FTP Profiles     E-Mail Profiles     IP Notify Profiles		
Audio and VolP Telephony	<ul> <li>Speaker and Microphone</li> <li>Manage Audio Messages</li> <li>Sound Profiles for playing back audio files</li> <li>SIP Server Settings for configuring integrated SIP server</li> <li>SIP Client Settings for VoIP telephony</li> <li>Outgoing Calls Settings</li> <li>Incoming Calls Settings</li> <li>RTP Pager</li> </ul>		
Camera Administration	Quick Installation     Time & Date     LED Setup     Time Tables for arming and services     Time Tables for image transfer and other jobs     Integration Protocols for video streaming (RTP server configuration     Retail Configuration	on)	
Configuration	Store current configuration permanently (to flash)     Reset configuration to factory defaults     Restore last stored configuration from flash     Load configuration from local computer     Save current configuration to local computer     Show current configuration ( <u>raw version</u> )     Edit configuration file (for experts)     Backup and Restore system configuration to/from SD card     Manage other cameras		E
System Update	Update System Software		
General Tasks	Reboot the camera		-

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