

1

# Configuring a Net2 Entry panel as a SIP client

## Description

A Net2 Entry panel can be registered as a SIP client on a SIP network. This allows a panel to call other SIP clients which can be used as Net2 entry monitors and receive the sound/video feed from the calling Net2 entry panel.

Clients can include Grandstream IP phones and most devices running Apple and Android software.

See Paxton.info/720 for SIP requirements



## SIP server

SIP clients can operate alongside standard Net2 Entry monitors by registering the client on a SIP server.

The Net2 Entry Configuration Utility is used to setup the system as follows.

File Help		
Bystem Monitors (2) Panels (2)	System Settings [ Locked Site: TestSy	rstem]
	System Information	
	Configuration utility version	2.00.1312
	Current firmware version	2.00.0711
	Number of panels detected	2
	Number of monitors detected	2
	All devices are up to date	Details
	Site Security	
	Engineer code (applies to all visible devices)	Change
	The system is locked	Unlock
	Require engineer access to edit monitor name	

Log into the Net2 Entry Configuration Utility and select the required Panel entry.

Paxton Access Ltd - Net2 Entry Configuratio	n Utility		
System           Monitors (2)           Panels (2)           Panel 2 [1585784]	Panels Name Panel 2 Panel 1	Serial number 1585787 1546747	

Settings

### Network

⊡ <b>Ģ</b> System	Panel Information		
i⊞ <mark>.</mark> Monitors (2) 	Settings Network SIP Account SIP	Address Book	
Panel 1 [1546747] Panel 2 [1585787]	Enable IPv4		
	IPv4 Address Assignment	DHCP 👻	
	- Static IPv4 Options		
	Address	10.10.240.134	
	Subnet mask	255.255.255.0	
	Gateway	10.10.3.22	
	Primary DNS server address	10.10.1.1	
	Secondary DNS server address	0.0.0.0	
	IPv4 Status Information		
	Status	Address assigned	
	Address Assigned	10.10.255.121	

The SIP server uses IPv4 addressing for communication and so we need to obtain an IPv4 address for the panel.

Tick Enable IPv4.

Select DHCP or Static.

Click OK.

#### SIP Account

The panel must be registered in the SIP database as an Extension.

The following example shows a typical SIP server entry screen.

	No. of Concession, Name		17.8				🍓 Crea	
	Extens	ions						
	Ø Edit E	Extension settings an	d click OK or Apply to :	save cha	nges.			
SCX Phone System     Ports/Trunks Status	General	Forwarding Rules	Phone Provisioning	Other	3CX MyPhone	Office Hours		
Extension Status	32.327	10.02			10 - 2014			
- Q System Extensions Status	- Use	r Information						
3CX MyPhone Clients     Remote Connections	Com	figure user informatior	below					
Phones		Extension Number			111		0	
Server Activity Log	First Name					0		
Server Event Log	Last Name Email address				0			
					0			
		Mobile Number					0	
	Auth	nentication						
103	The	authentication ID an	d Password are used b	y the pho	ne to authenticat	e with 3CX Phon	e System	1.
	If th	e phone has a user io	I field enter the extensi	on numbe	er.			
		ID			111		0	
	13				Vermon		0	-

Create an Extension record for the panel. Set up an Extension number and add a Description as required in Name field. These can be any unused values.

Set up the Authentication section. Set the ID number to be the same as the Extension number and the create a password.

Panel Informatio			
Settings Network SIP A	ccount SIP Address Book		
Enable SIP Client			
Use SIP Server			
User Name	111		
Password	pass		
Server URL	10.10.230.77	Port	5060

Create a matching entry for the Panel in the Net2 Entry Configuration - SIP Account tab. Select 'Enable SIP Client' and 'Use SIP Server'.

Set the User Name to be the Extension Number. Set the Password to be the same as the Authentication Password .

Set the Server URL to the be the URL of the SIP server PC.

Click OK.

Extension status 🦪 Server Activity Log 🏻	Add Extension 👒 Add PSTN Gateway	Add VOIP Provider Wiza	ard 🛛 🍇 Create Outbound	Rule 🍓 Creat	te DID
	Extension Status				
	🛛 🗱 Disconnect Call 🛛 🎇 Show F	lter			
3CX Phone System	Status	Extension	User Status	Queues	Name
	Registered (idle)	101	Available	OUT	Default
System Extensions Status	Registered (idle)	102	Available	OUT	Panel 1
3CX MyPhone Clients	Registered (idle)	103	Available	OUT	Panel 2
Remote Connections	Registered (idle)	104	Available	OUT	iPhone
Phones	Registered (idle)	105	Available	OUT	iPad
	Registered (idle)	106	Available	OUT	Android Phone
Services status	Not Registered	107	Available	OUT	Android Tablet
Extensions	Registered (idle)	108	Available	OUT	iPhone - Linphone
	Not Registered	109	Available	OUT	iPad - Linphone
- 20 101	Not Registered	110	Available	OUT	Android - Linphone
	Not Registered	200	Available	OUT	Gabriel Android

You should now create Extension entries for each of the SIP clients (panels and phones) to be included in the Net2 Entry system.

#### **SIP Address Book**

	Panel	Inform	nation	
		1	SIP Account SIP Address Book	
		ID	Name	URL
Panel 1 [1546747] Panel 2 [1585787]		104	iPhone	104
Panel 2 [1585/8/]		105	iPad	105
		106	Android Phone	106
		107	Android Tablet	107
		108	iPhone Linphone	108
		109	iPad Linphone	109
		110	Android Linphon	110
		200	Gabriel Android	200
	•*			

The two systems require a table to match each SIP client entry to a Net2 Entry monitor ID.

Enter the Net2 Entry ID number and a suitable name to be displayed on the panel.

Enter the URL as the SIP Extension number or a Direct IP address of the client to be called.

# Smart Phone Requirements

See Paxton.info/720 for SIP requirements



Net2 Entry will respond to the '1' key on the phone and unlock the door when commanded.

