

Entry APN-1132-AE

Paxton

Configuring an Entry panel as a SIP client

Description

An 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 Entry monitors and receive the sound/video feed from the calling 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 Entry monitors by registering the client on a SIP server.

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

Settings

⊡® Site - D	efault	Site Settings - Default		^
in the second s	nitors (1) nels (2)	Information Security SIP Account SIP Addres	s Book	
		Configuration utility version	2.20.9318	
		Number of panels detected	2	
		Number of monitors detected	1	
E		1 device(s) require a firmware update	Details	
6			COCY6	



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

						- L			
		File Help							
		Site - Default	Panels						
		Panels (2) 5019424 [5019424] Car Park [6289000]	Group name	Name 5019424 Car Park	Serial number 5019424 6289000			-	
								R	
						G	roup edit	D D	
							.:	Dł	
								P	
work									
						-			
	Paxton /	Access Ltd - Entry Configura	ation Utility				-		
	Paxton / File Hel	Access Ltd - Entry Configura	ation Utility				-		
	File Help	Access Ltd - Entry Configura p Default Ionitors (1)	Panel Settings - C	ar Park	CIP		-		
	Paxton / File Help	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) i 5019424 (5019424)	ation Utility Panel Settings - C. Information Network Video	ar Park Sound Operation	SIP		_		
	File Help	Access Ltd - Entry Configura p Default lonitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address	ar Park Sound Operation FE80	SIP :0:0:0:20B:D6FF:FE5F:F668		_		
	File Help	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C: Information Network Video IPv6 link local address IPv6 link local ad	ar Park Sound Operation : FE80	SIP :0:0:0:20B:D6FF:FE5F:F668		-		
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv6 link local address IPv4 address assignment	ar Park Sound Operation	SIP 0:0:0:208:D6FF:FE5F:F668 DHCP ~				
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv6 link local address IPv4 address assignment IPv4 address	ar Park Sound Operation : FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP		•		
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 Ink local address IPv6 Ink local address IPv4 address assignment IPv4 address Address	ar Park Sound Operation FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP ~		0		
	Paxton / File Hely Ste- P- P- P-	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv6 link local address IPv4 address assignment IPv4 address Address Subnet mask	ar Park Sound Operation : FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP ~ 0.0.0.0		•		
	Paxton / File Hely	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [5289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv6 link local address IPv4 address assignment IPv4 address Address Subnet mask Gateway	ar Park Sound Operation FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0		•		
	Paxton / File Hely	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 Ink local address IPv6 Ink local address IPv4 address assignment IPv4 address Address Subnet mask Gateway -IPv4 DNS addresses	ar Park Sound Operation FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0 0.0.0.0		•		
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 Ink local address IPv6 Ink local address IPv4 address assignment IPv4 address Address Subnet mask Gateway IPv4 DNS addresses Primary DNS server address	ar Park Sound Operation : FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0 0.0.0.0		•		
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv4 address assignment IPv4 address Address Subnet mask Gateway IPv4 DNS addresses Primary DNS server add Secondary DNS server	ar Park Sound Operation : FE80 dress address	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0		•		
	Paxton / File Hely	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv6 link local address IPv4 address assignment IPv4 address Address Subnet mask Gateway IPv4 DNS addresses Primary DNS server add Secondary DNS server IPv4 status information	ar Park Sound Operation 1 FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0				
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv4 address assignment IPv4 address Address Subnet mask Gateway IPv4 DNS addresses Primary DNS server add Secondary DNS server IPv4 status information Status	ar Park Sound Operation : FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 Address assigned ok				
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C. Information Network Video IPv6 link local address IPv6 link local address IPv4 address assignment IPv4 address Address Subnet mask Gateway IPv4 DNS addresses Primary DNS server IPv4 status information Status Address assigned	ar Park Sound Operation : FE80	SIP :0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 Address assigned ok 10.10.240.31				
	Paxton / File Helj	Access Ltd - Entry Configura p Default Ionitors (1) anels (2) 5019424 [5019424] Car Park [6289000]	ation Utility Panel Settings - C Information Network Video IPv6 link local address IPv4 address assignment IPv4 address Address Subnet mask Gateway IPv4 DNS addresses Primary DNS server add Secondary DNS server IPv4 status information Status Address assigned	ar Park Sound Operation ? FE80	SIP 0:0:0:20B:D6FF:FE5F:F668 DHCP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 Address assigned ok 10.10.240.31				

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 e	example shows	a typical SIP	server entr	v screen.
ine renorming c			001101 01101	,

			ā	=					S	upport -	Updates -	English (UK) 👻	¥ JD −
10	ah	Dashboard	00	00	ок	Cancel							Help
		Phones											
121/17	1	Extensions											
		Groups	(Seneral	Voicemail	Forwarding Rules	Phone Provisioning	BLF	Options	Rights	Client		
	1	Contacts		User lı	nformation								
1000	0	SIP Trunks		Extensi	ion								
	ŧ	Inbound Rules		000									
	t	Outbound Rules		First N	ame								
	ନ	Digital Receptionist		First	Name								
UNEAC	쓭	Ring Groups		Last No	ame								
	쓭	Call Queues		Last	Name								
	#	Bridges		Email /	Address								
	6	FAX Extensions		Ema	il Address								
	l In	FXS/DECT		Mobile	Number								
		,		Mob	ile Number								

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.

Information Security SIP Address Book Panels (2) Enable SIP Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Park [6289000] Image: Car Par
☐ Use outbound proxy Proxy address 31.221.92.113 Port

Within the Net2 Entry Configuration go to Site Settings - SIP Account tab and select 'Enable SIP Client' and 'Use SIP Server'

Set the Server address to be the IP address of the SIP server PC.

Click Apply.

Entry APN-1132-AE

	🥺 Paxton Access Ltd - Entry Confi	guration Utility		-	
	File Help				
	⊡ 💮 Site - Default	Panel Settings - Car Park			
	Monitors (1) Panels (2)	Information Network Video Sound Operation SIF			
	Gar Park [6289000]	Panel extension	123	0	
106		Password	password		
		Status	 Registering 		
		Save log file			
				Apply	Cancel
				(Abbia	Cancel

Then create a matching entry for the Panel within the Net2 Entry configuration, Panel Settings - SIP tab.

Set the User Name to be the Extension Number

Set the Password to be the same as the Authentication Password.

Click Apply

		Ē					Support -	Updates 🛩	English (UK) 🗕	y× JD -
di	Dashboard	Extension	IS							Help
2	Phones		-							
1	Extensions	Extensions								
	Groups	+ add	Edit Delete	♠ Evport	d #3. Personarata	Salact all	(alcome Email	1.0		
1	Contacts				u La Negenerate	• Selectair	Unite Chilait			
0	SIP Trunks	Search								
+	Inbound Rules	Ext	First	Last	Email P	assword	Mobile	Caller ID	Phones	
+	Outbound Rules	001	James		••	****			1	×
ନ	Digital Receptionist	• 111	🛆 Sarah		••	****			1	×
***	Ring Groups	• 200	▲ David		**	****			1	×
쓥	Call Queues	• 201	▲ iPhone		**	****			1	×
\$	Bridges	• 202	∆ iPad		**	****			1	×
18	FAX Extensions	• 222	▲ Mary		**	****			1	×
B	FXS/DECT	• 300	Android Phone		**	****			1	×
2	Hotdesking	• 301	Android Tablet		**	****		1.5	1	×

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



SIP Address Book

Paxton Access Ltd - Entry Conf	figuration Utility			- 0	×
File Help					
⊡	Information Securit	y SIP Account SIP Address	Book		^
□···· Panels (2) 5019424 [5019424]	ID	Name	Group name	Extension / IP address	
Car Park [6289000]	1	Reception	Group 1	101	
	5	James		102	
	6	Laura		103	
-	2				
		Add	Edit Delete	Import Export	Cancel

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

Enter the 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 <u>Paxton.info/720</u> for SIP requirements



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