

Entry SIP Compatibility

Description

Entry has SIP capability allowing it to be connected to SIP-compliant servers (hardware or cloud-based). This allows the connectivity of audio, video and action-based signals.

Entry has been developed and tested to meet the standards and protocols set out in SIP RFC3261. Therefore any 3rd party hardware that also meets the SIP requirements outlined below (without any proprietary modifications), will work with Entry.

Paxton SIP Support

The below information details our SIP requirements and confirmed compatibility.

Paxton Support are unable to offer technical assistance for issues relating to other manufacturers' equipment.



SIP integration compliance

| Function | Protocol | Supported in Entry |
|----------------------------|--------------|--------------------|
| SIP Signalling | RFC3261 | ✓ |
| RTP (Media) | RFC3550 | ✓ |
| DTMF (used to unlock door) | SIP Info | ✓ |
| DTMF (used to unlock door) | RFC2833 | ✓ |
| Audio | G.711 (PCMU) | ✓ (v2.14 onwards) |
| Video | H.264 | ✓ |
| Network | VLAN | ✗ |
| | 802.1x | ✗ |

3rd party system compatibility

The following 3rd party equipment (physical, cloud-based or software) have been tested by Paxton for compliance. This list will change as tests continue, so please click on the link at the bottom of this document to access the latest KB report.

SIP local server

| Manufacturer | Model | Compatible | Additional info |
|--------------|-----------------------------|------------|-----------------|
| Samsung | OPenServ DM V4.7 | ✓ | |
| Avaya | IP Office 500 V2 (SW8.1.69) | ✓ | |
| Cisco | Cisco Call Manager | ✓ | (V.214 onwards) |
| Draytek | Vigor IPPBX 2820n | ✓ | |
| Mitel | 3300 | ✓ | (V.214 onwards) |
| 3CX | | ✓ | |

SIP cloud based server

| Manufacturer | Model | Compatible | Additional info |
|--------------|-------|------------|-----------------|
| VOIPTalk | | ✓ | |
| iPtel | | ✓ | |
| VOIPTiger | | ✓ | |

Soft consoles (PC Clients)

| Manufacturer | Model | Compatible | Additional info |
|--------------|-------|------------|-----------------|
| Linphone | | ✓ | |
| X-Lite | | ✓ | |
| Bria | | ✓ | |
| Jitsi | | ✓ | |
| 3CX | 3300 | ✓ | |

SIP handsets

| Manufacturer | Model | Compatible | Additional info |
|--------------|--------------------------------|------------|-----------------|
| Grandstream | GXP1400 / 1405 – Audio only | ✓ | |
| Grandstream | DP715 – Audio only | ✓ | |
| Grandstream | GXP1200 – Audio only | ✓ | |
| Grandstream | GXV3175 - Audio & Video | ✓ | |
| Grandstream | GXV3140 - Audio & Video | ✓ | |
| Avaya | 3300 | ✓ | |

Click [HERE](#) for the latest Paxton Knowledge Base SIP Compliance status

SIP import & export

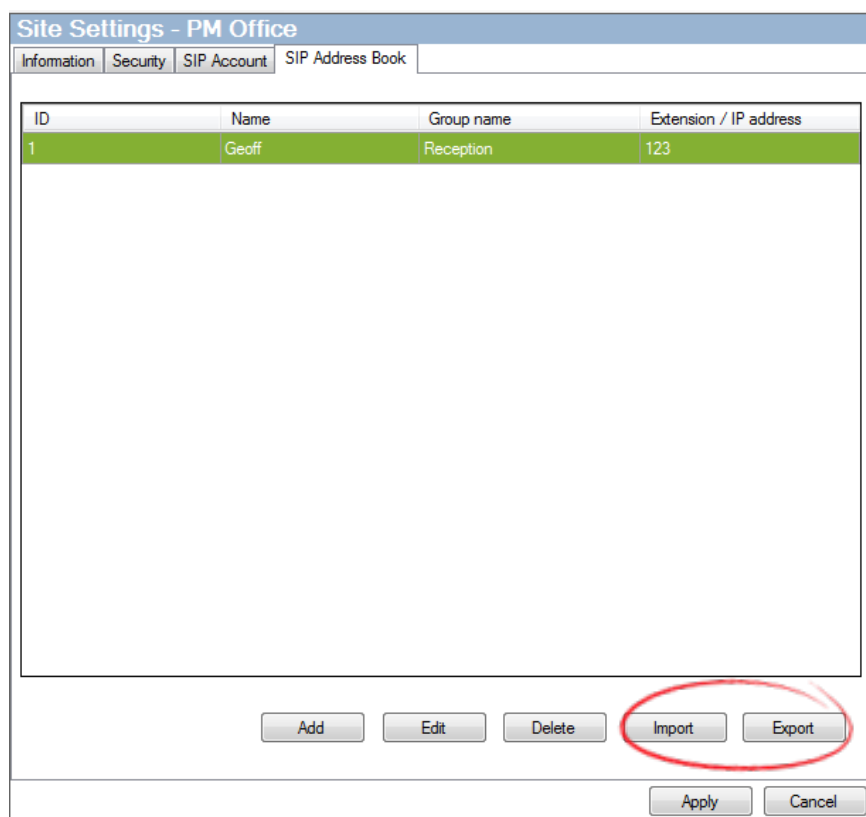
Before a SIP address book can be used, SIP will need to be enabled on the system. To do this, select your Site and go to **SIP account**. Tick **Enable SIP** and **Apply** the new settings.

The screenshot shows the 'Site Settings - PM Office' window with the 'SIP Account' tab selected. The 'Enable SIP' checkbox is checked and circled in red. Below it, the 'Use SIP server' checkbox is unchecked. The 'Basic' tab is active, displaying the following configuration:

- Server address: 10.10.24.211
- Port: 5060
- Use outbound proxy:
- Proxy address: 10.10.24.211
- Port: 5060

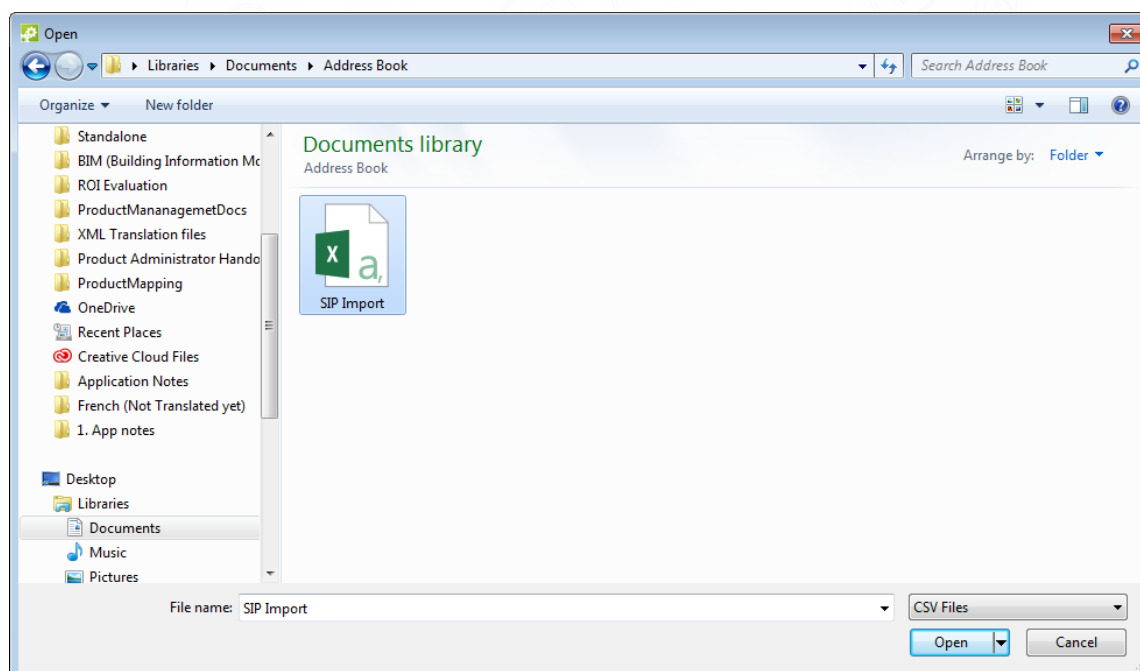
The 'Apply' button at the bottom right is also circled in red.

Once SIP is enabled go to **SIP Address Book**, from here you can import or export.



SIP Import

1. Select **Import**
2. Locate the file containing the SIP address book to import (Ensure your file is saved as .CSV)

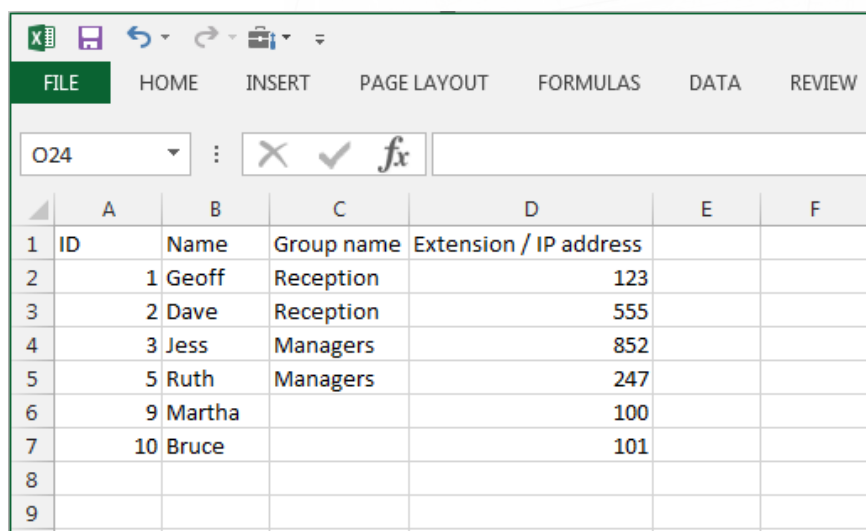


3. Click **Open**

Note: Importing a SIP address book will remove all existing users in your SIP address book

Example CSV file

The import will work with or without the header columns in the import file



| | A | B | C | D | E | F |
|---|----|--------|------------|------------------------|---|---|
| 1 | ID | Name | Group name | Extension / IP address | | |
| 2 | 1 | Geoff | Reception | 123 | | |
| 3 | 2 | Dave | Reception | 555 | | |
| 4 | 3 | Jess | Managers | 852 | | |
| 5 | 5 | Ruth | Managers | 247 | | |
| 6 | 9 | Martha | | 100 | | |
| 7 | 10 | Bruce | | 101 | | |
| 8 | | | | | | |
| 9 | | | | | | |

SIP Export

Before export is enabled you will need at least 1 entry in the address book

1. Select **Export**
2. Locate where you want to save the export
3. Click **Save**
(The file will be saved as .CSV format)