Residential Intercom Series
Quick Install Guide

Limited Warranty

Cornick Pty Ltd (Seller) warrants its products to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for forty-eight months from the date of original purchase. Sellers obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labour, any part which is proved not in compliance with Sellers specifications or proves defective in materials or workmanship under normal use and service. Seller shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than Seller.

For Warranty Service: Return transportation prepaid with a copy of your purchase receipt and contact details to:

Cornick, Unit 1/9 Hannabus Place, Mulgrave, NSW 2756 Australia.

Seller has no obligation to attend the buyer's location to retrieve the goods or make repairs onsite.

- There are no warranties, expressed or implied, of merchant ability, or fitness for a particular purpose or otherwise, which extend beyond the description on the face hereof. In no case shall seller be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, or upon any other basis of liability whatsoever, even the loss or damage is caused by its own negligence or fault.

- Seller does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the products will in all cases provide adequate warning or protection. Customer understands that a properly installed and maintained alarm system or video surveillance system may only reduce the risk of a burglary, robbery, or fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result.

- Consequently, seller shall have no liability for any personal injury; property damage or other loss based on a claim the product failed to give any warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regard less of cause or origin, seller's maximum liability shall not in any case exceed the purchase price of the product, which shall be the complete and exclusive remedy against seller.

- This warranty replaces any previous warranties and is the only warranty made by the Seller on this product. No increase or alteration, written or verbal, of the obligations of this Limited Warranty is authorized.

Please refer to the website (www.vip-vision.com) for a full list of trading terms.

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1. Pre-Installation

1.1 Installation Requirements & Notes

The Basic Settings password is **123456**, which can be entered after **pressing** the settings button.
The Network Settings password is **888888**, which can be entered after **holding** the settings button for 6 seconds.

The Door Station's web interface will require the default username **admin** and password **admin**.
The Door Station's default IP address is **192.168.1.110**
The Indoor Monitors default IP address is **192.168.1.109**
Please note that only the Door Station has a web interface; the Indoor Monitor does not.

1.2 Door Station Web Interface Login

To access the door station's Web Interface, you will need a Windows computer in the same IP address range.

1. Open Internet Explorer and input the Door Station IP Address in to the address bar.
    e.g. **http://192.168.1.110**
    (Refer to Section 3.1 for how to change the door station's IP address.)

2. Log in with the default username **admin**, password also **admin**.

1.3 Components

|	
	Residential IP Intercom Indoor Monitor with WiFi INTIPMONDW (white) - INTIPMONDB (black) • 1024 x 600 pixel resolution • 7" Touch Screen, H.264 HEVC • MicroSD Card Slot • Can be powered via PoE
	Large Residential IP Intercom Indoor Monitor with WiFi INTIPMONDWL (white) • 1024 x 600 pixel resolution • 10" Touch Screen, H.264 HEVC • MicroSD Card Slot • Can be powered via PoE
	Residential IP Intercom Door Station with WiFi INTIPRDSDB • 1.0MP Camera • Built-in NFC Card Reader • Weather Resistant Front Panel (Sheltered Installation recommended) • Loudspeaker & Door Release Output • Can be powered via PoE
	Residential IP Intercom Door Station INTIPRDSVW • 1.0MP Camera • IP54 Rated Weather Resistance • Loudspeaker & Door Release Output • *PoE power requires PoE splitter*
	Residential 2 Button IP Intercom Door Station INTIPDDS2 • 2.0MP Camera • 2 Button Interface • IP65/IK08 Rated Weather & Vandal Resistance • Loudspeaker & Door Release Output • Can be powered via PoE

1.4 Diagrams

INTIPMONDW/B - Front
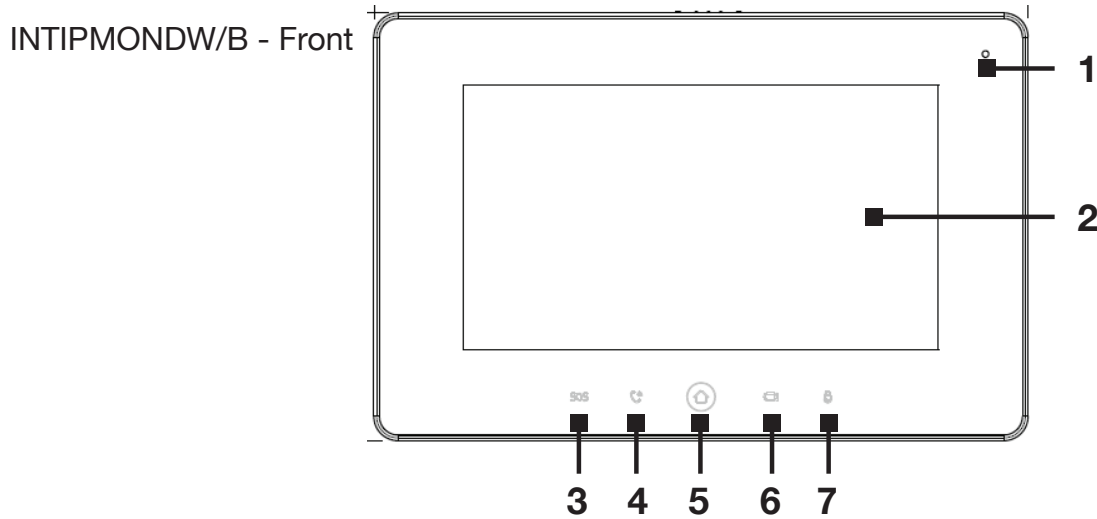
1	Mic	Records audio
2	Screen	Main display
3	Emergency button	*Unused*
4	Monitor button	Monitors Door Station video
5	Home button	Return to the Indoor Monitor's homepage
6	Call button	Accept call, or hang up the current call
7	Unlock	During a call or while monitoring a Door Station, press to unlock that Door Station

INTIPMONDW/B - Back
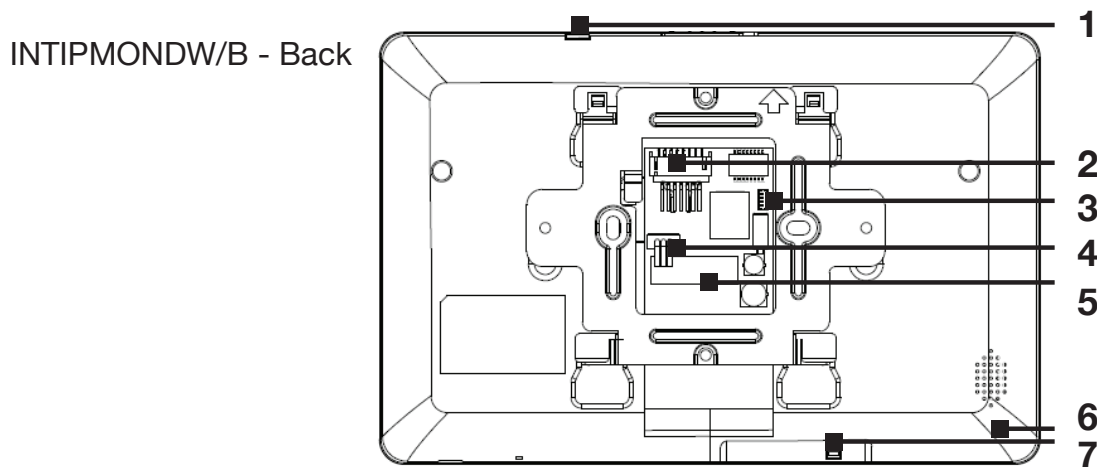
1	Reset button	Resets the Indoor Monitor
2	RJ-45 port	Connect a Cat5 cable with the included adaptor
3	Debug port	*Unused*
4	RS485	485 expansion interface
5	Alarm interface	6ch alarm input / 1ch alarm output
6	Speaker	Audio output
7	SD card slot	For external SD storage

INTIPRDSDB - Front
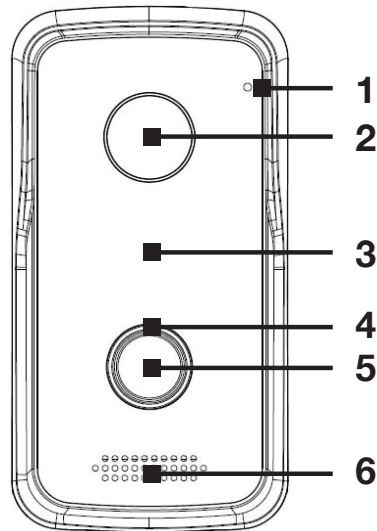
1	Mic
2	Camera
3	Card area
4	Status indicator
5	Call button
6	Speaker

INTIPRDSDB - Back
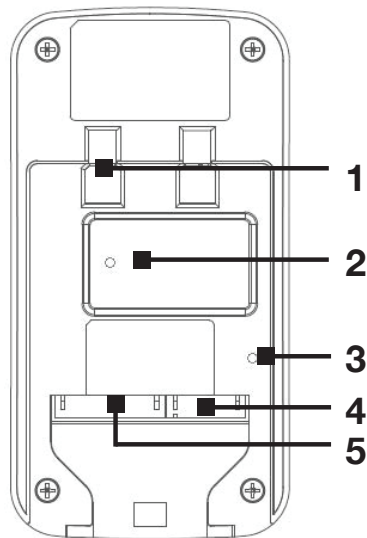
1	Bracket position	To fix the device to the wall
2	Tamper switch	This must be fully pressed down once installed. If the switch is released, the alarm will sound.
3	Reset button	Resets the Door Station
4	RJ-45 port	Connect a CAT5e/CAT6 cable with the included adaptor
5	Input connectors	Connections for 12V DC and Door Strike wiring

INTIPRDSVW - Front
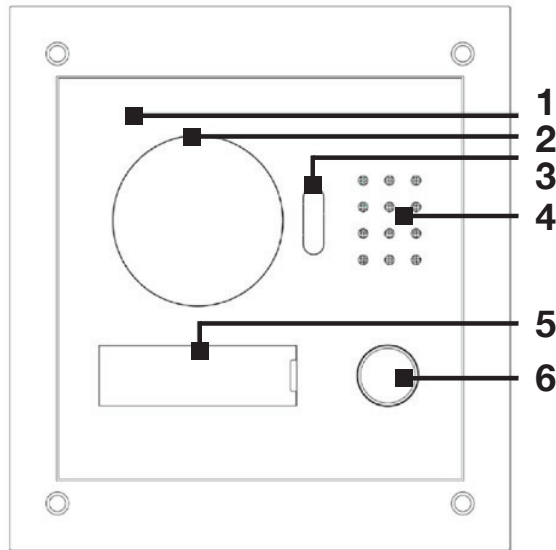
1	Microphone
2	Camera
3	Compensation Light
4	Speaker
5	Name Plate
6	Call Button

INTIPRDSVW - Back
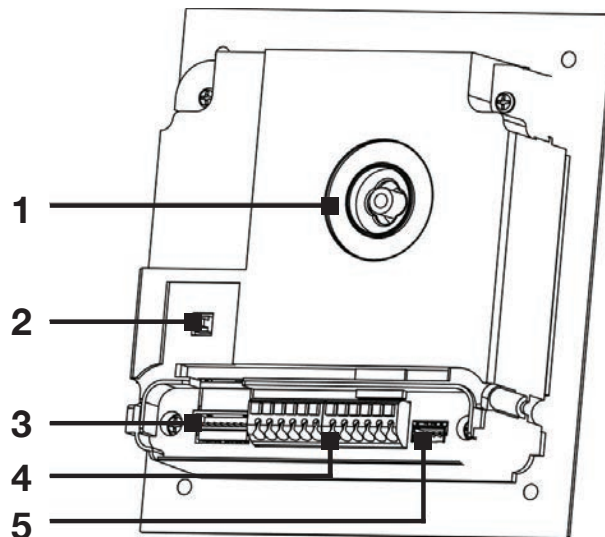
1	Camera Adjustment	Insert a small screwdriver, and gently move the camera to the desired position
2	Tamper Switch	This must be fully pressed down once installed. If the switch is released, the alarm will sound.
3	RJ-45 Port	Connect a CAT5e/CAT6 cable with the included adaptor
4	Debug Port	*Unused*
5	Input Connectors	Connections for 12V DC and Door Strike wiring

2. Installation

If this is your first time purchasing a VIP Residential IP Intercom, we recommend setting it up on the bench before installation, to familiarize yourself with the product.

If you are setting up more than one Door Station, or wish to connect to the Door Stations web interface, a Windows computer is required to login to the Door Station.

The IP intercom requires a CAT5e/CAT6 cable to be run between the Indoor Monitor, and Door Station. If you wish to connect to the system remotely your Indoor Monitor and Door Station must be connected to your modem or network switch (sold separately).

12VDC power must be provided to each Door Station and Indoor Monitor - this can be done either with separate power supplies or over Power over Ethernet with a PoE switch (excluding the INTIPRDSVW). Refer to **3.15 Powering Devices via Power over Ethernet** for more details.

When connecting to the Door Stations' web interface, the default IP address is **192.168.1.110**. We recommend using Internet Explorer to connect to the Door Station. Please note that the Indoor Monitor does not have a web interface.

2.1 1 Indoor Monitor Door Station (Hardwired, No Network Functionality)

This simple configuration requires a length of CAT5e/CAT6 cable running between the Indoor Monitor and Door Station.

The following is required for this installation:
- Use 12VDC or PoE to power both the Door Station and Indoor Monitor
- Cat5 cable to access the network and communicate between the intercoms

Door Station   Indoor Monitor

+ / -
12VDC

+ / -
12VDC
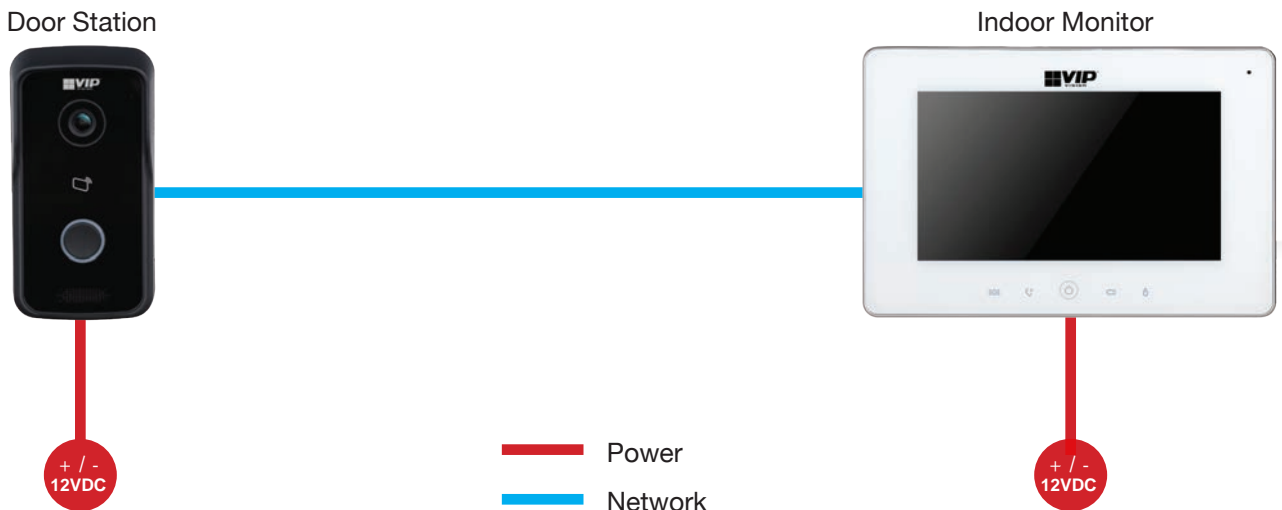
━━━ Power
━━━ Network

1. Install each unit at their respective location and connect the devices together with a CAT5e/CAT6 cable.

2. Power both the Indoor Monitor and Door station with 12VDC.

3. You have now successfully connected your VIP Residential IP Intercom.

2.2 1 Indoor Monitor to 1 Door Station via a Network Switch (Hardwired)

This configuration allows you to connect your Indoor Monitor and Door Station together, and provide them with network access.

The following is required for this installation:
- 12VDC power for both the Door Station and Indoor Monitor
- A Windows computer for configuration
- CAT5e/CAT6 cables to connect between the Indoor Monitor, Door Station and Network Switch (sold separately), and between the Network Switch and the Windows computer
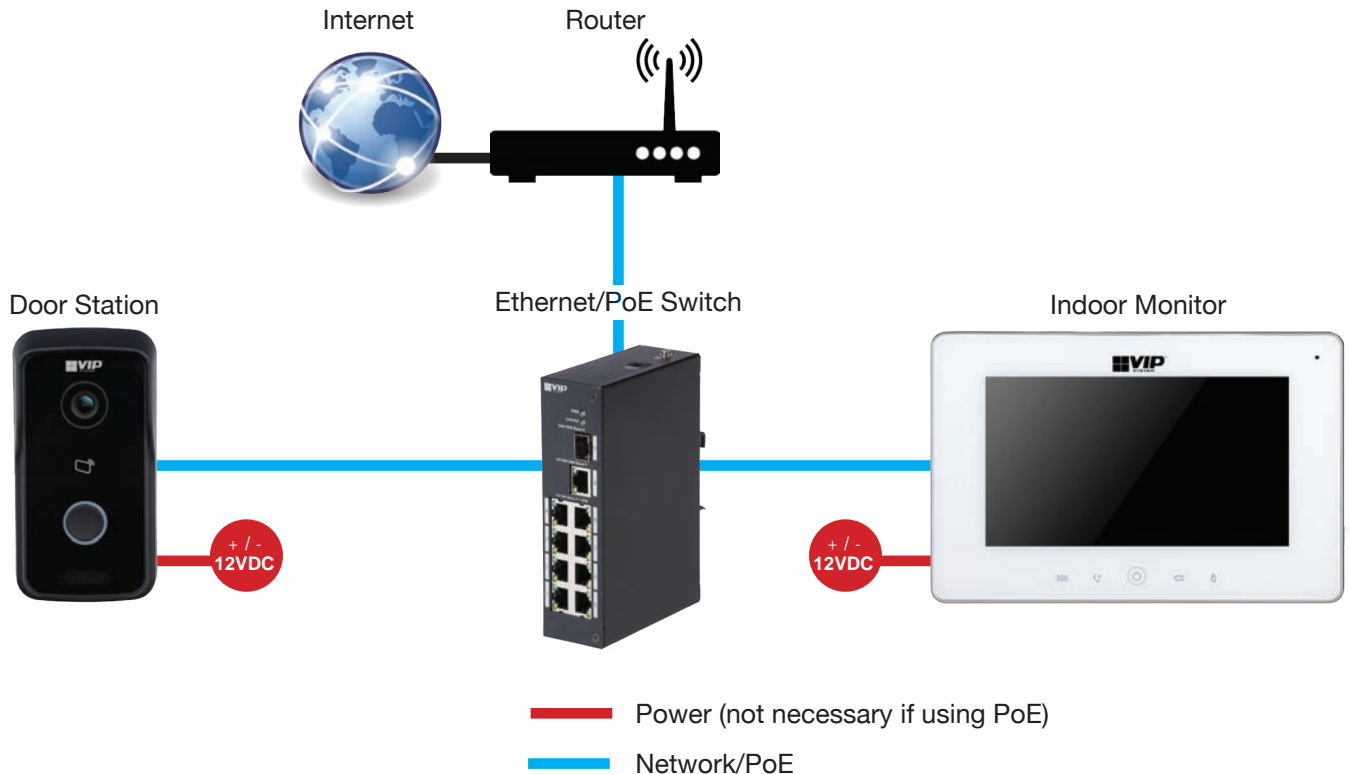
In this example, we are going to connect the intercom Door Station and Indoor Monitor to a Network Switch and assign static IP addresses to both the Door Station and Indoor Monitor.

Indoor Monitors and Door Stations (excluding INTIPRDSVW) can be powered by either direct 12VDC power or with PoE - this will require a PoE switch.

Device	IP Adresses	Subnet Mask	Gateway	Room Number	VTO Number
Door Station	192.168.1.110	255.255.255.0	192.168.1.1		6901
Master Indoor Monitor	192.168.1.109	255.255.255.0	192.168.1.1	101	

2.2.1 Door Station Configuration

1. Log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*

2. Navigate to "System Config" > "Network Config"

3. Under "Eth0", change the IP address, subnet mask, and default gateway to match your local computer network. Press "OK" to save.

   *In this example, we are going to change the IP address of the Door Station to **192.168.1.110**, the Subnet Mask to **255.255.255.0** and the Default Gateway to **192.168.1.1***

TCP/IP	FTP	Port	DDNS	P2P

Eth0:

IP Address	192.168.1.110
Subnet Mask	255.255.0.0
Default Gateway	192.168.1.1
MAC Address	4c:11:bf:7c:72:52
DNS Address	8.8.8.8

Eth2:

IP Address	192.168.1.110
Subnet Mask	255.255.0.0
Default Gateway	192.168.1.1
MAC Address	4c:11:bf:7c:6f:55
DNS Address	10.1.1.1
DHCP	○ On ● Off
Default Interface	○ eth0 ● eth2

Default   Refresh   OK

2.2.2 Indoor Monitor Configuration

1. On the Indoor Monitor, press and hold the "Settings" button for 6 seconds, then enter the password for the Network Settings (**888888** by default).

2. Select "Wired IP" and change the IP address, subnet mask & default gateway to match your local computer network. Press "OK" to save.

   *In this example, we are going to change the IP address of the Indoor Monitor to **192.168.1.109** the Subnet Mask to **255.255.255.0** and the Default Gateway to **192.168.1.1***

Network

Network	WLAN	Wired IP
VTH Set	Local IP	192.168.1.109
VTO Set	Subnet Mask	255.255.0.0
Search Device	Gateway	192.168.1.1
Alarm Out Mode	MAC	00:00:00:00:00:00
Default	DHCP	OFF

3. Select VTO Set. Change the "Main_VTO Name", for example "Front Gate".

4. Change the IP address of the Main VTO to the IP address that was set on the Door Station *(in this example the IP address is **192.168.1.110**).*

5. Ensure "Enable Status" is set to "ON".

6. Turn off power to both the Door Station and Indoor Monitor, after 10 seconds, turn the power back on.

   You have now successfully connected your VIP Residential IP Intercom.

VTO Set

Network	Main_VTO Name	Front Gate
VTH Set	VTO IP Address	192.168.1.110
VTO Set	Device Type	
Search Device	VTO Mode No.	
Alarm Out Mode	User Name	admin
Default	Password	•••••
	Enable Status	ON

2.2.3 Add Additional Door Station(s) (Hardwired)

1. Connect the second Door Station, then log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*

2. Navigate to "System Config" > "Network Config".

3. Under "Eth0" change the IP address, subnet mask, and default gateway to match your local computer network. Press "OK" to save.

   *In this example, we are going to change the IP address of the Door Station to **192.168.1.111**, the Subnet Mask to **255.255.255.0** and the Default Gateway to **192.168.1.1**.*

4. Select "System Config" > "LAN Config".

5. Change the VTO number. Each Door Station must have a different VTO number, otherwise they will not function correctly. Press "OK" to confirm.

   *In this example, **6901** for the first Door Station and **6902** for the second Door Station.*

6. Repeat these steps for each additional Door Station, using different IP addresses and VTO numbers for each Door Station.

2.2.4 Add Additional Indoor Monitor(s) (Hardwired)

When you have more than one Indoor Monitor, you must setup one Indoor Monitor as the "Master" and all the additional monitors as "Extension" monitors. All the Door Station details will be entered into the Master monitor and the Extension monitors will retrieve the settings from the Master monitor. You must enter in each Extension monitor, the "Master IP" which is the IP address of the Master monitor.

1. On the Extension Indoor Monitor, press and hold the "Settings" button for 6 seconds, then enter the password for the Network Settings (**888888** by default).

2. Select "Wired IP" and change the IP address, subnet mask, and default gateway to match your local computer network. Press "OK" to save.

   *In this example, we are going to change the IP address of the Indoor Monitor to **192.168.1.113**, the Subnet Mask to **255.255.255.0** and the Default Gateway to **192.168.1.1**.*

Network

Network	WLAN	Wired IP	
VTH Set	Local IP		192.168.1.113
VTO Set	Subnet Mask		255.255.0.0
Search Device	Gateway		192.168.1.1
Alarm Out Mode	MAC		00:00:00:00:00:00
Default	DHCP	OFF	

3. Select "VTH Set" and set the mode to "Extension". You can now set the Room Number to the same as the Master Indoor Monitor but add " -1 " to show that it is the first extension (such as 101-1).

4. Enter the IP address of the "Master" Indoor Monitor *(example: **192.168.1.109**)*, then press "OK" to save.

VTH SET

Network	Max Ext	5	Room Rule	Serial
VTH Set	Room No.	101-1		Extension
VTO Set	Master IP	192.168.1.109		
Search Device	Version			
Alarm Out Mode	Alarm	ON	Unlock	ON
Default	Internal Call Enable	ON		

5. Select "VTO Set". Ensure "Enable Status" is set to "ON", for both the "Main" and "Sub" VTO.

6. Turn off power to both the Door Station and Indoor Monitor, after 10 seconds, turn the power back on.

7. Repeat these steps for each additional Indoor Monitor, using different IP addresses and Room Numbers for each Door Station.

VTO Set

| Network	Main_VTO Name	Front Gate
VTH Set	VTO IP Address	192.168.1.110
VTO Set	Device Type	
Search Device	VTO Mode No.	
Alarm Out Mode	User Name	admin
Default	Password	•••••
	Enable Status	ON

This configuration allows you to connect your Indoor Monitor and Door Station together though a wireless access point, and provide them with network access.

The following is required for this installation:
- 12VDC power for both the Door Station and Indoor Monitor
- A CAT5e/CAT6 between the Door Station and an existing computer network to configure the Door Station
- A Windows computer for configuration
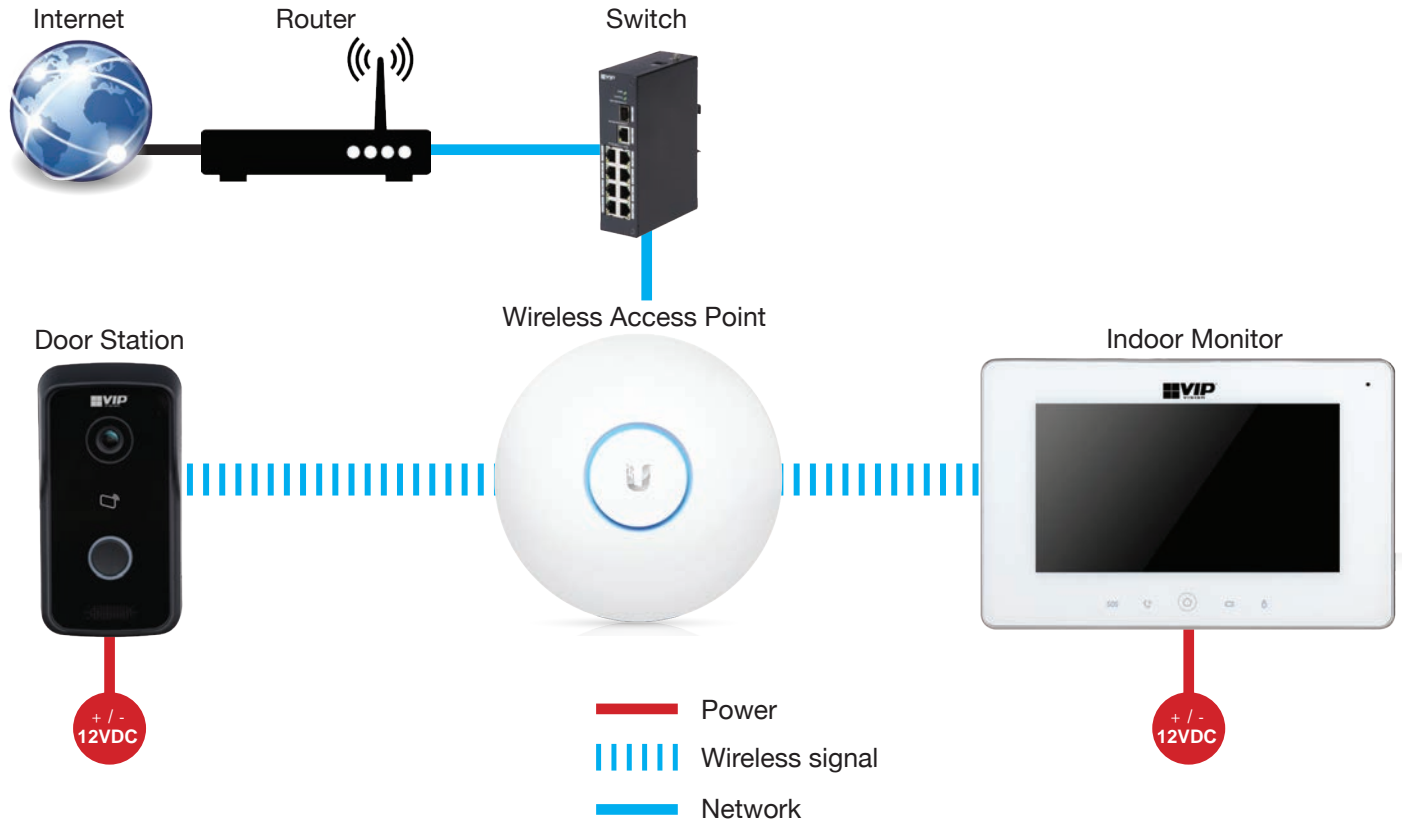
In this example, we are going to connect the Door Station and Indoor Monitor to a Wireless Access Point and assign static IP addresses to both the Door Station and Indoor Monitor.

Device	IP Adresses	Subnet Mask	Gateway	Room Number	VTO Number
Door Station	192.168.1.110	255.255.255.0	192.168.1.1		6901
Master Indoor Monitor	192.168.1.111	255.255.255.0	192.168.1.1	101	

2.3.1 Door Station Configuration

1. Log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*

2. Navigate to "System Config" > "Network Config".

3. Under "Eth2", set "DHCP" to "On" and confirm with "OK".

TCP/IP	FTP	Port	DDNS	P2P

Eth0:

IP Address 192.168.1.110
Subnet Mask 255.255.0.0
Default Gateway 192.168.1.1
MAC Address 4c:11:bf:7c:72:52
DNS Address 8.8.8.8

Eth2:

IP Address 192.168.0.101
Subnet Mask 255.255.255.0
Default Gateway 192.168.0.254
MAC Address 4c:11:bf:7c:6f:55
DNS Address 192.168.0.254
DHCP ⦿ On ◯ Off
Default Interface ◯ eth0 ⦿ eth2

[Default] [Refresh] [OK]

---

4. Select "Wifi Info", then select "Open WLAN".

5. Select the Access Point you wish to connect to, and select the "+" button. In this example we are going to connect to "MyAP".

State	Connect
	+

I◀ ◀ 1 / 1 ▶ ▶I Go to [   ] ➡

---

6. When prompted, enter the password for the Access Point, then select "OK".

Connect ✕

Name MyAP
Password [   ]

[OK] [Cancel]

---

7. After 30 seconds, your Door Station will connect to the Access Point.

Station Web Server V1.0

WIFI Info

Name	Signal	State
MyAP	..ill	Connected

---

8. Select "System Config" > "Network Config", Under "Eth2", set "DHCP" to "Off".

9. Select the default interface as "Eth2". After this, connection to the Door Station will be lost, and you will need to connect your computer to the wireless access point and reconnect to the Door Station's web interface.

10. Under "Eth2", change the IP address, subnet mask, and default gateway to match your local computer network. Press "OK" to save.

*In this example, we are going to change the IP address of the Door Station to **192.168.1.110**, the Subnet Mask to **255.255.255.0** and the Default Gateway to **192.168.1.1**.*

TCP/IP	FTP	Port	DDNS	P2P

Eth0:

IP Address 192.168.1.110
Subnet Mask 255.255.0.0
Default Gateway 192.168.1.1
MAC Address 4c:11:bf:7c:72:52
DNS Address 8.8.8.8

Eth2:

IP Address 192.168.1.110
Subnet Mask 255.255.0.0
Default Gateway 192.168.1.1
MAC Address 4c:11:bf:7c:6f:55
DNS Address 10.1.1.1
DHCP ◯ On ⦿ Off
Default Interface ◯ eth0 ⦿ eth2

[Default] [Refresh] [OK]

2.3.2 Indoor Monitor Configuration

1. On the Indoor Monitor, press and hold the "Settings" button for 6 seconds, then enter the password for the Network Settings (**888888** by default).

2. Select "Wireless IP", set "DHCP" to "On" and confirm with "OK".

Network

Network		WLAN	Wired IP	Wireless IP
VTH Set		Local IP		192.168.0.108
VTO Set		Subnet Mask		255.255.0.0
Search Device		Gateway		192.168.0.1
Alarm Out Mode		MAC		00:00:00:00:00:00
Default		DHCP		☐ OFF

3. Select "WLAN", and set it to "ON".

4. Select the Access Point you wish to connect to. In this example, we are going to connect to "MyAP".

Network

Network	WLAN	Wired IP
VTH Set		
VTO Set		☐ OFF
Search Device		Open WLAN to Show usable Net
Alarm Out Mode		

5. When prompted, enter the password for the Access Point, then select "OK".

WLAN Connect

WLAN Name	MyAccessPoint
Signal State	Strongest
Password	•••••

6. After 30 seconds, your Door Station will connect to the Access Point.

Network

Network		WLAN	Wired IP	Wireless IP
VTH Set		WIFI Name		ON ☐
VTO Set		MyAccessPoint		📶
Search Device		AnotherAP		📶
Alarm Out Mode		OneMoreWiFiAP		📶
Default				

7. Select "Wireless IP" and turn "DHCP" to "OFF".

8. Change the IP address, subnet mask, and default gateway to match your local computer network. Press "OK" to save.

   *In this example, we are going to change the IP address of the Indoor Monitor to **10.1.1.111**, the Subnet Mask to **255.255.255.0** and the Default Gateway to **10.1.1.1**.*

Network

Network	WLAN	Wired IP	Wireless IP
VTH Set	Local IP		192.168.0.111
VTO Set	Subnet Mask		255.255.255.0
Search Device	Gateway		192.168.0.1
Alarm Out Mode	MAC		00:00:00:00:00:00
Default	DHCP		OFF

9. Select "VTO Set". Change the "Main_VTO Name", to a name of your choice, for example "Front Gate".

10. Change the IP address, of the Main VTO to the IP address that was set on the Door Station.

    *In this example, we are going to change the IP address to **192.168.1.110**.*

11. Ensure "Enable Status" is set to "ON".

12. Turn off power to both the Door Station and Indoor Monitor, after 10 seconds, turn the power back on.

    You have now successfully connected your VIP Residential IP Intercom.

VTO Set

Network	Main_VTO Name	Front Gate
VTH Set	VTO IP Address	192.168.1.110
VTO Set	Device Type	
Search Device	VTO Mode No.	
Alarm Out Mode	User Name	admin
Default	Password	•••••
	Enable Status	ON

2.3.3 Add Additional Door Station(s) (Wireless)

1. Connect the second Door Station to the network, then log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*

2. Navigate to "System Config" > "Network Config"

3. Under "Eth2", set "DHCP" to "On" and confirm with "OK"

TCP/IP	FTP	Port	DDNS	P2P

Eth0:
IP Address 192.168.1.110
Subnet Mask 255.255.0.0
Default Gateway 192.168.1.1
MAC Address 4c:11:bf:7c:72:52
DNS Address 8.8.8.8

Eth2:
IP Address 192.168.0.101
Subnet Mask 255.255.255.0
Default Gateway 192.168.0.254
MAC Address 4c:11:bf:7c:6f:55
DNS Address 192.168.0.254
DHCP ● On ○ Off
Default Interface ○ eth0 ● eth2

[Default] [Refresh] [OK]

---

4. Select "Wifi Info", then select "Open WLAN".

5. Select the Access Point you wish to connect to, and select the "+" button. In this example we are going to connect to "MyAP".

State	Connect
	+

◄◄ ◄ 1 / 1 ► ►◄ Go to [ ] ➡

---

6. When prompted, enter the password for the Access Point, then select "OK".

Connect   ✖

Name   MyAP

Password [   ]

[OK]   [Cancel]

---

7. After 30 seconds, your Door Station will connect to the Access Point.

Station   Web Server V1.0

WIFI Info

Name	Signal	State
MyAP	▂▃▄	Connected

---

8. Select "System Config" > "Network Config", Under "Eth2", set "DHCP" to "Off".

9. Select the default interface as "Eth2". After this, connection to the Door Station will be lost, and you will need to connect your computer to the wireless access point and reconnect to the Door Station's web interface.

10. Under "Eth2", change the IP address, subnet mask, and default gateway to match your local computer network. Press "OK" to save.

    *In this example, we are going to change the IP address of the Door Station to **192.168.1.111**, the Subnet Mask to **255.255.255.0** and the Default Gateway to **192.168.1.1**.*

11. Repeat these steps for each additional Door Station, using different IP addresses and VTO numbers for each Door Station.

TCP/IP	FTP	Port	DDNS	P2P

Eth0:
IP Address 192.168.1.111
Subnet Mask 255.255.0.0
Default Gateway 192.168.1.1
MAC Address 4c:11:bf:7c:72:52
DNS Address 8.8.8.8

Eth2:
IP Address 192.168.1.111
Subnet Mask 255.255.0.0
Default Gateway 192.168.1.1
MAC Address 4c:11:bf:7c:6f:55
DNS Address 10.1.1.1
DHCP ○ On ● Off
Default Interface ○ eth0 ● eth2

[Default] [Refresh] [OK]

2.2.4 Add Additional Indoor Monitor(s) (Wireless)

When you have more than one Indoor Monitor, you must setup one Indoor Monitor as the "Master" and all the additional monitors as "Extension" monitors. All the Door Station details will be entered into the Master monitor and the Extension monitors will retrieve the settings from the Master monitor. You must enter in each Extension monitor, the "Master IP" which is the IP address of the Master monitor.

1. On the "Extension" Indoor Monitor, press and hold the "Settings" button for 6 seconds, then enter the password for the Network Settings (**888888** by default).

2. Select "WLAN", then select "ON".

3. Select "Wireless IP" and set "DHCP" to "ON", then select "OK".

Network

Network	WLAN	Wired IP
VTH Set		
VTO Set	☐ OFF	
Search Device	Open WLAN to Show usable Net	
Alarm Out Mode		
Default		

4. Select "WLAN". then select the Access Point you wish to connect to. In this example, we are going to connect to "MyAP"

5. When prompted, enter the password for the Access Point, then select "OK".

WLAN Connect

WLAN Name	MyAccessPoint
Signal State	Strongest
Password	•••••

6. After 30 seconds, your Door Station will connect to the Access Point.

Network

Network	WLAN	Wired IP	Wireless IP
VTH Set	WIFI Name		ON ☐
VTO Set	MyAccessPoint		📶
Search Device	AnotherAP		📶
Alarm Out Mode	OneMoreWiFiAP		📶
Default			

7. Select "Wireless IP" and turn "DHCP" to "OFF".

8. Change the IP address, subnet mask, and default gateway to match your local computer network. Press "OK" to save.

   *In this example, we are going to change the IP address of the Indoor Monitor to **10.1.1.113**, the Subnet Mask to **255.255.255.0** and the Default Gateway to **192.168.1.1**.*

Network

Network	WLAN	Wired IP	Wireless IP	
VTH Set	Local IP		192.168.0.113	
VTO Set	Subnet Mask		255.255.255.0	
Search Device	Gateway		192.168.0.1	
Alarm Out Mode	MAC		00:00:00:00:00:00	
Default	DHCP		☐ OFF	

9. Select "VTH Set" and set the mode to "Extension". You can now set the Room Number to the same as the Master Indoor Monitor but add " -1 " to show that it is the first extension (such as 101-1).

10. Enter the IP address of the "Master" Indoor Monitor *(example: **10.1.1.111)** and press "OK" to save.

VTH SET

Network	Max Ext	5	Room Rule	Serial
VTH Set	Room No.	101-1		Extension
VTO Set	Master IP	192.168.1.111		
Search Device	Version			
Alarm Out Mode	Alarm	ON ☐	Unlock	ON ☐
Default	Internal Call Enable	ON ☐		

11. Select "VTO Set". Ensure "Enable Status" is set to "ON" for both the Main and Sub VTO.

12. Turn off power to each Door Station and Indoor Monitor, after 10 seconds, turn the power back on.

13. Repeat these steps for each additional Indoor Monitor, using different IP addresses and Room Numbers for each Door Station.

VTO Set

Network	Main_VTO Name	Front Gate
VTH Set	VTO IP Address	192.168.1.110
VTO Set	Device Type	
Search Device	VTO Mode No.	
Alarm Out Mode	User Name	admin
Default	Password	•••••
	Enable Status	ON ☐

3. Additional Configuration

3.1 How to change the Indoor Monitor's IP Address

1. Power on the Indoor Monitor.

2. On the Indoor Monitor, press and hold the "Settings" button for 6 seconds, then enter the password for the Network Settings (**888888** by default).

3. Select "VTH Set", if wish to change the Wired Interface IP address, select "Wired IP". If you wish to change the Wireless IP Address, select "Wireless IP". Change the IP address, Subnet Mask and Gateway of the Indoor Monitor, to the details you have chosen.

Network

Network	WLAN	Wired IP	Wireless IP
VTH Set	Local IP		192.168.0.111
VTO Set	Subnet Mask		255.255.255.0
Search Device	Gateway		192.168.0.1
Alarm Out Mode	MAC		00:00:00:00:00:00
Default	DHCP		▢ OFF

3.2 Setting the Time and Date

After installation is complete, you will need to set the correct time and date.
There are 2 different ways to set the time and date, you can setup features such as NTP and DST in the Door Stations web interface, or you can adjust the time and date from the Indoor Monitor.

To set the time and date from the Indoor Monitor:

1. On the Indoor Monitor, press the "Settings" button, then enter the password **123456** to access the Basic Settings.

2. Select "General", in this menu, you can change the Time, Date, Time Zone and DST settings.

General

Ring	Time	Display	User Password	Other
DND	Time	OFF	Time Zone	
Alarm	2018-12-18 13:41:12		GMT +08:00	
Mode	DST		ON	
General	By Date Start 2019-10-01 End: 2019-04-01			
Production				

To set the time and date from the Door Station:
You will need a Windows computer (in the same IP address range) that can connect to the Web Interface of the Door Station.

1. Log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*

2. Once logged in, go to "System Config" > "Local Config" > "System Time". In this menu, you can change the Time and Date format and Sync the Door Station to your PC time.

3. After you have made your changes, select "OK". It will take a few minutes before the indoor monitor displays the new time and date.

Local Config	A&C Manager	Sound Control	Talk Manager	**System Time**

Date Format   Year-Month-Day
Time Format   24-Hour Standard
System Time   2016 - 08 - 19   11 : 52 : 24   Sync PC
☐ DST Enable
DST Type ◉ Date   ○ Week
Start Time Jan 1   0 : 0
End Time Jan 2   0 : 0

☑ NTP Enable
NTP Server 200.160.0.8
Zone GMT+00:00
Port No. 123   (1~65535)
Update Period 5   Minute (1~30)
Default   Refresh   OK

3.3 Indoor Monitor Volume Configuration

1. On the Indoor Monitor, press the "Settings" button, then enter the password **123456** to access the Basic Settings.

2. On the Indoor Monitor go to "Settings" > "Ring". In this menu you can adjust ring tones and volume levels.

3. After you have made your changes, select "OK".

Ring Settings

	VTO	VTH	Alarm	Other
Ring				
DND	VTO0	phone_ring1.pcm	— ? +	
Alarm	VTO1	phone_ring1.pcm	— ? +	
Mode	VTO2	phone_ring1.pcm	— ? +	
General	VTO3	phone_ring1.pcm	— ? +	
Production			< >	

3.4 Door Station Volume Configuration

You will need a Windows computer (in the same IP address range) that can connect to the Web Interface of the Door Station.

1. Log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*

2. Once logged in, go to "System Config" > "Video Set" > "Audio Set". In this menu you can change Door Station's audio levels.
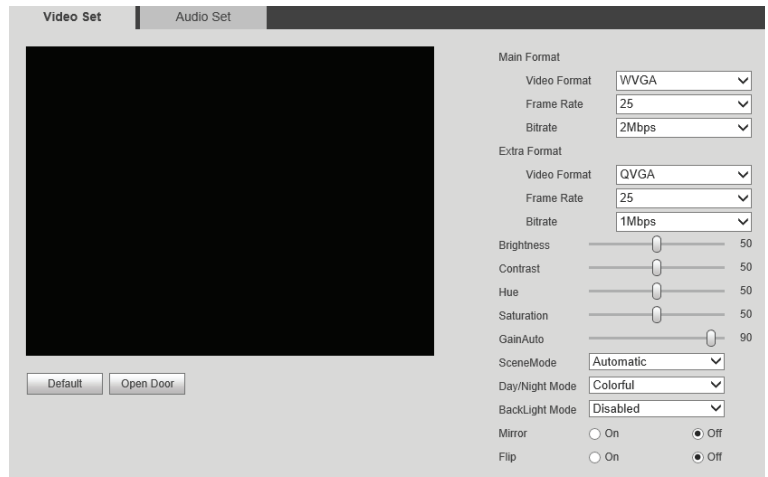

VTO Mic Volume - Controls the microphone volume level.
VTO Beep Volume - Controls the speaker sounds such as "Door unlocked, please enter."

3.5 Door Station Video Settings

1. Log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*

2. Once logged in, go to "System Config" > "Video Set". In this menu you can change the Door Station's video settings.

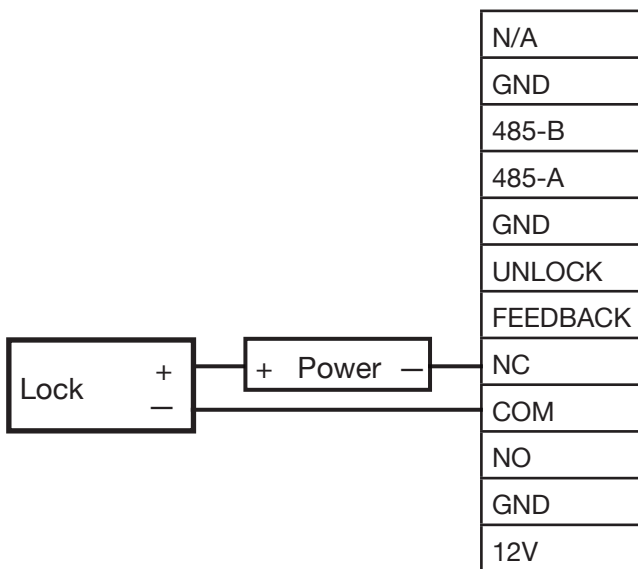## 3.6 Wiring an Electric Door Strike to the Door Station

The Door Station has a dry contact relay. Depending on which door strike you have, will depend on how you wire the door strike, whether it be wired to the Normally Open or Normally Closed contact.

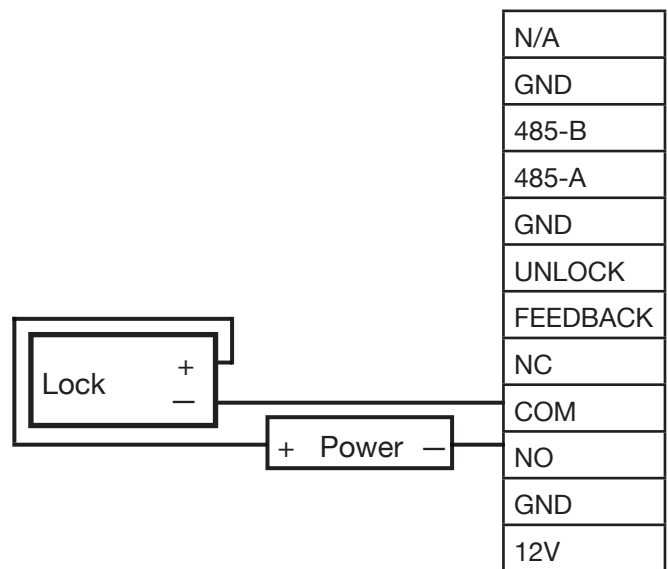When connecting the Door Station to an Electric Door Strike:
*   The Electric Door Strike positive (+) is connected to the 12V DC power supply positive (+).
*   The Electric Door Strike negative (-) is connected Door Stations COM terminal.
*   The 12V DC power supply negative (-) is connected to the Door Stations NO or NC terminal depending on the model of door strike.

Please note that the below diagrams reference the **INTIPRDSVW** and **INTIPRDSDB** are connected in the same manner, but using the included breakout cable.

Normally Closed Door Strike Wiring

N/A
GND
485-B
485-A
GND
UNLOCK
FEEDBACK
NC
COM
NO
GND
12V

Lock + − → + Power − → NC / COM

Normally Open Door Strike Wiring

| |
|---|
| N/A |
| GND |
| 485-B |
| 485-A |
| GND |
| UNLOCK |
| FEEDBACK |
| NC |
| COM |
| NO |
| GND |
| 12V |

Lock + − → COM / + Power − → NO

Unlock Button Wiring
If you wish to wire in an external button to trigger the door latch, connect the button to the terminals marked "Unlock" and "GND".

N/A
GND
485-B
485-A
GND
UNLOCK
FEEDBACK
NC
COM
NO
GND
12V

Lock + − → GND / UNLOCK
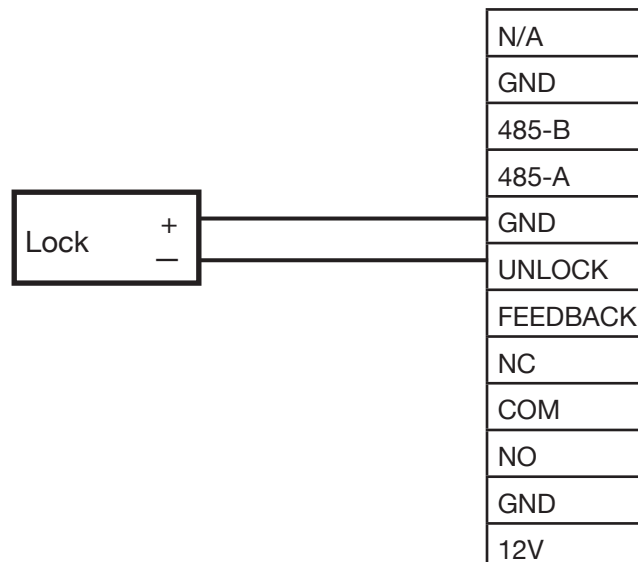
3.7 Adjust Electric Door Strike Timing

1. Log in to the Door Station's Web Interface.
   (Refer to Section 1.2 for how to log in.)

2. You will then be able to go to "System Config" > "Local Config" > "A&C Manager". Here you can adjust the electronic door strike timing.

3. Press "OK" to save your changes.
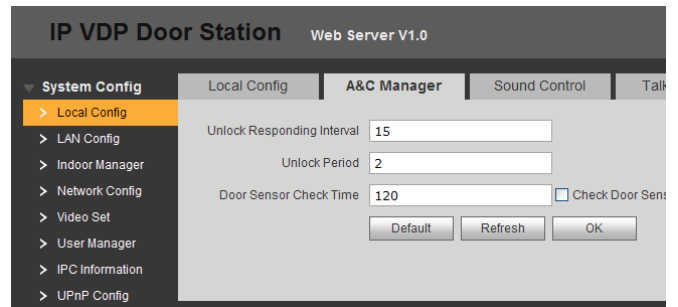
Unlock Responding Interval is the time (in seconds) between door strike actuations.
Unlock Period is the time (in seconds) that the door stays unlocked.

3.8 Learning in Swipe Cards

The INTIPRDSB Door Station can have swipe cards learnt in, to trigger the door strike. Only NFC swipe cards are compatible with the intercom. Part No. ACKEY103.
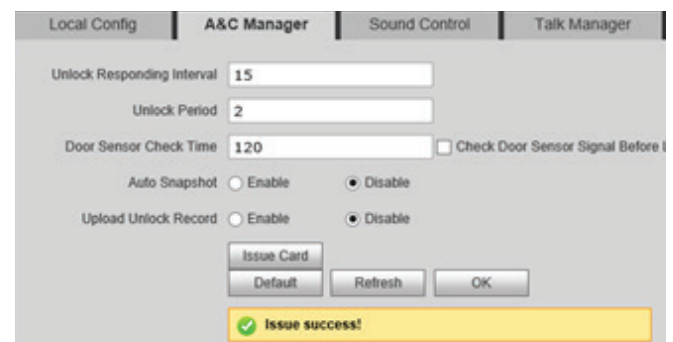
1. Log in to the Door Station's Web Interface.
   (Refer to Section 1.2 for how to log in.)

2. Once logged in, go to "System Config" > "Local Config" > "A&C Manager".

3. Select "Issue Card".
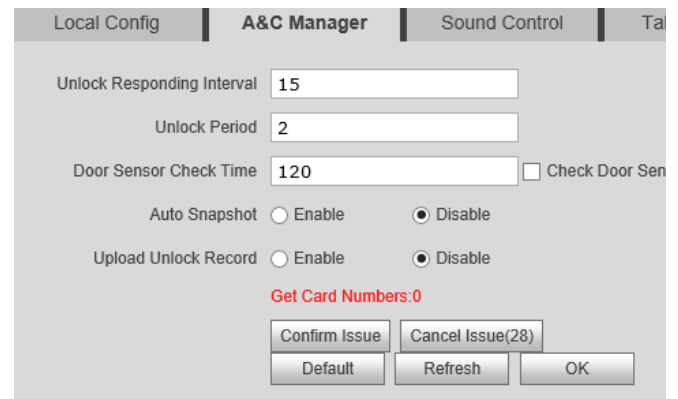
4. Within 30 seconds, scan your first card on the front of the door station, you will hear a beep to confirm.

5. On the Door Stations web interface, a popup box will appear. Enter a username for the card, and the room number of your master indoor monitor. Select "OK".
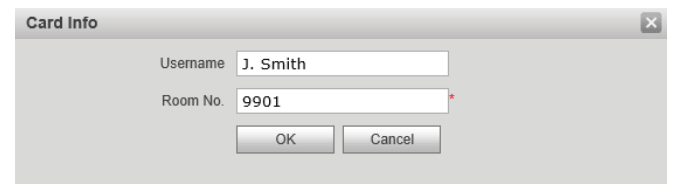
6. Repeat steps 4-5 to learn in additional cards.

7. Select "Confirm Issue".

8. Your swipe cards are now learnt into the Door Station.

3.9 Deleting Swipe Cards

If a user has lost an NFC swipe card, it can be deleted by logging in to the Web Interface of the Door Station.

1. Log in to the Door Station's Web Interface.
   (Refer to Section 1.2 for how to log in.)

2. Navigate to "System Config" > "Indoor Manager".

3. Select the "Card No. Info" Button.

4. In this menu, you can modify usernames and delete cards.

Card Info						
Card ID	Card Number	Username	Main Card	ReportLoss	Modify	Delete
9901	FE1A0561	J.Smith	☐			⊖
9901	2E1C0561	S.Smith	☐			⊖
9901	7E1D0561	M.Smith	☐			⊖
9901	1E230561	N.Smith	☐			⊖

3.10 Disabling the Unlock Feature

The Indoor Monitor can trigger the Door Stations built in relay, to open a door strike. If do not want to give an Indoor Monitor the ability to unlock the door strike, you can turn this feature off.

1. On the Indoor Monitor, press and hold the "Settings" button for 6 seconds, then enter the password for the Network Settings (**888888** by default).

2. Select "VTH Set"

3. Turn the "Unlock" option, to "OFF".

VTH Set

Network	Room No.		Extension
VTH Set	Master IP		
VTO Set	Version		
Default	Alarm	ON ☐ Unlock ☐ OFF	

3.11 P2P Configuration (QR Code)

The mobile application must be installed before you begin.
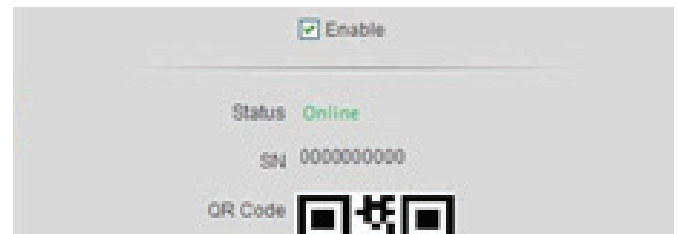
Device	Application Name
iPhone	iDMSS Lite
Android	iDMSS Lite

You will need a Windows computer (in the same IP address range) that can connect to the Web Interface of the Door Station If you have more than one Door Station and wish to remotely access each one, this procedure must be done on each Door Station.
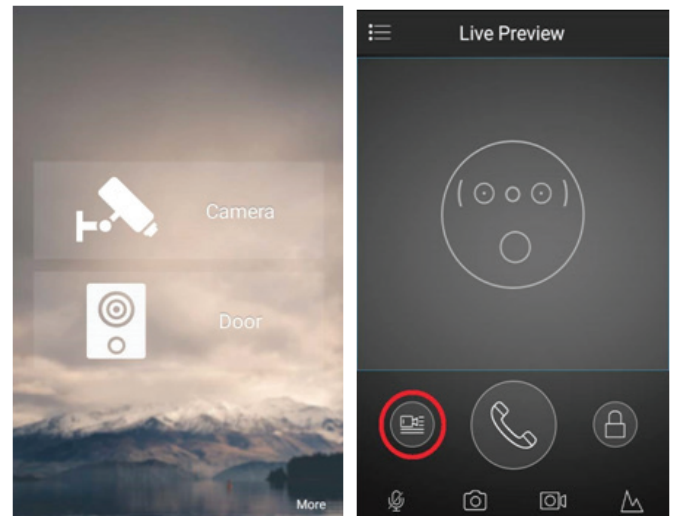
1. Log in to the Door Station's Web Interface.
   (Refer to Section 1.2 for how to log in.)

2. Once logged in, go to "System Config" > "Network Config" > "P2P".

3. Select the "Enable" box, then press "OK".

4. After waiting 2 minutes, press the refresh button, the "Status" should display "Online".

5. Open the mobile application.

6. On the mobile application go to "MENU" then "Home".

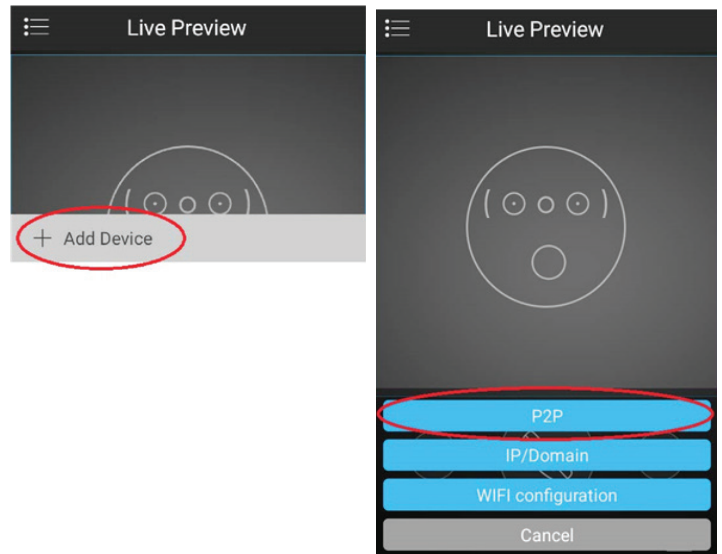7. Select "Door".

8. Select "Device Manager".
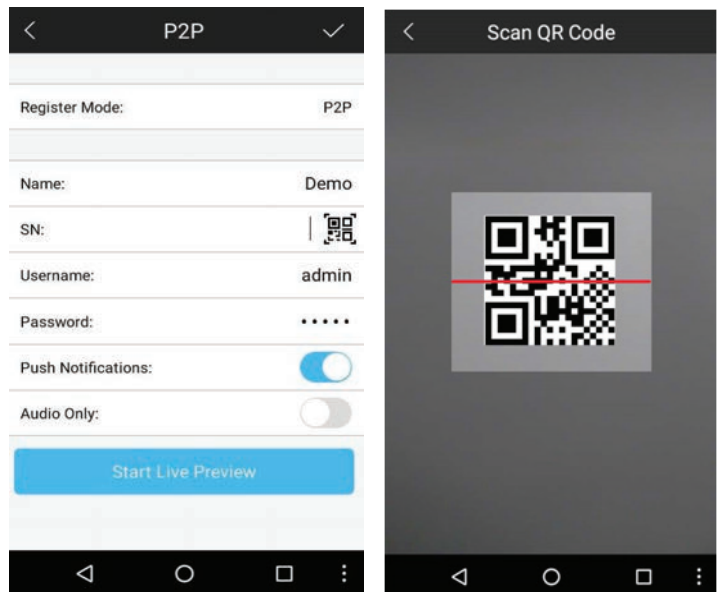
9.   Select "Add Device".

10. Select "P2P".

11. Give your device a name (this is for your own reference) and enter the username and password for the Door Station.

*The username is **admin** and the password is also **admin** by default.*

12. Select the picture of the QR Code on the mobile application and scan the code that yousee on the Door Station's web interface.

13. Select "Start Live Preview" to save and connect.

14. You will be returned to the live view screen where your intercom camera will now be displayed.

You have now successfully connected your VIP Residential IP Intercom for remote access.

In the future, you can connect to your system directly from the main screen by tapping the Device Manager button, then selecting your intercom.

3.12 Advanced Configuration for Remote Access (optional)

> **Important:**
> Before setting up remote access for your Intercom, you will need a good understanding of computer networks. If you do not, please seek the assistance of a qualified I.T. professional.

This method is recommended in situations where a P2P connection does not work, as some modems and business networks block the P2P connection. To connect the Intercom system for remote access, the Intercom system will need to be connected to the local computer network and use the same IP Address range.

To be able to set your Intercom up for Remote Access, you will first require:
- An ADSL internet connection of 512/512 minimum (ADSL2 or NBN recommended).
- An ADSL Modem which supports Port Forwarding.
- An "External static IP address" from your Internet Service Provider.
- An "Internal Static IP address" from your Modem.
- A connection from the Indoor Station and Outdoor Station to your modem.
- A windows PC on your network to configure your Modem.

Once you have these you can proceed to set up the Remote Access by:
1. Port forward ports **37777, 3800** in the modem, to the "Internal IP address" of the Intercom Door Station.
2. You can then test the connection to the Intercom over the internet from a different internet connection (or from a mobile on 3G/4G).

Test your Remote Access by connecting to the Intercom from the mobile app:
When you are in the same building as the Intercom you will be able to connect via Wi-Fi and use the "Internal IP address" of the Intercom. However, when you are not where the Intercom is and wish to connect via the internet or 3G/4G, you would use the "External static IP address" given to you by your Internet Service Provider.

Port forwarding support:
There are many different brands and models of ADSL Modems which makes them difficult to set up, therefore we must recommend an IT professional. Some manufacturers offer guides on their websites or in their manuals. Alternatively, we can recommend Third-party assistance on configuring port forwarding from sites such as: **www.portforward.com**

If you don't have an External Static IP address:
If you do not have an external static IP address, you can setup a DDNS service if your modem supports it. Please refer to your modems user manual on how to setup this feature.

3.13 Changing Door Station Network Ports (optional)

In some situations, it may be necessary to change the ports that the intercoms Door Stations use.
You will need a Windows computer (in the same IP address range) that can connect to the Web Interface of the Door Station.

1. Log in to the Door Station's Web Interface. *(Refer to Section 1.2 for how to log in.)*
2. Once logged in, go to "Network Config" > "Port".
3. In this menu, you can modify the ports to suit your requirements. Press "OK" to save the settings.
4. Select "Logout" > "Reboot". The Door Station will now restart with the changes you have made.

3.14 Finding out your network range, and available IP addresses via PC

If you wish to connect your IP intercom to the network for remote access, you must give each Indoor Monitor and Door Station an IP address, within your network range.
In this example, we will be using a Windows computer which is connected to a modem to find the IP address of the computer, and a free IP address to use for the Intercom.

1. Press the "Windows" and "R" key on your keyboard at the same time, a "Run" window will appear.
2. Type "cmd.exe" and press the "Enter" key.
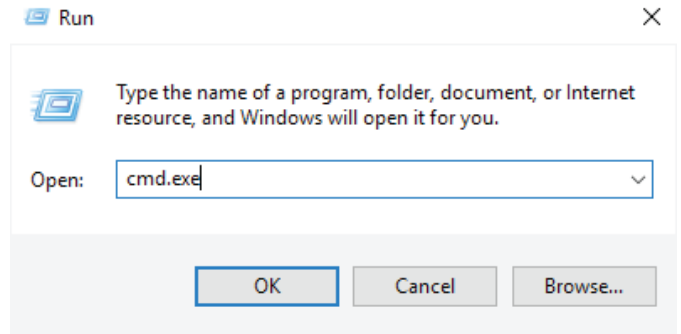
3. A command prompt window will appear, type "ipconfig" and press the "Enter" key.
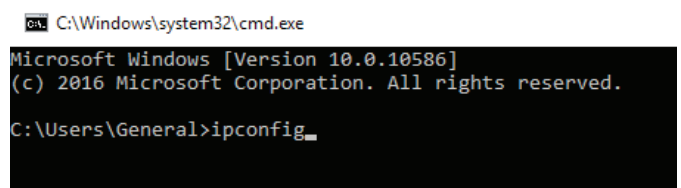
4. Your network information will be displayed. Record your IPv4 Address, Subnet Mask, and Default Gateway.
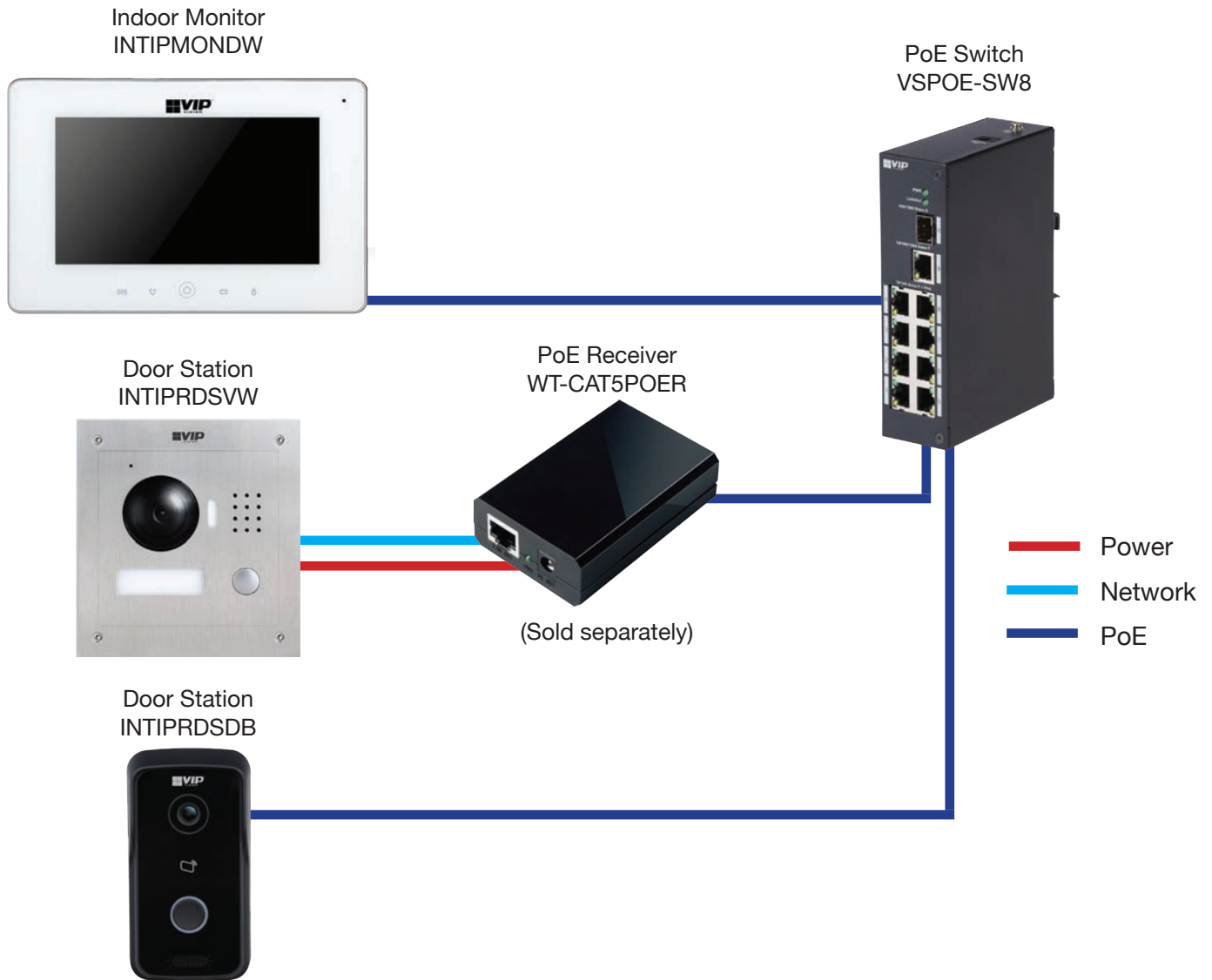
5. In this example, the computer has an IP address of **192.168.0.18**. We must choose another IP address within the same range for our device which we will connect to the network.

6. We are going to check if the IP address **192.168.0.50** is available. In the command prompt window type "ping 192.168.0.50", and press the "Enter" key.
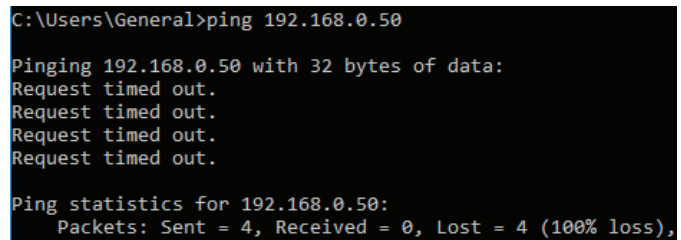
7. After pressing enter you should see either "Request timed out." or "Destination host unreachable." This indicates that the IP address is not currently in use.

8. Since nothing is currently using this IP address, you can assign it to the intercom, with the same Subnet Mask and Default Gateway, as recorded in step 4. Eg:
    IP Address – 192.168.0.50
    Subnet mask – 255.255.255.0
    Default Gateway – 192.168.0.1

9. If you require additional IP addresses, follow steps 5 through 7.

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3.15 Powering Devices via Power over Ethernet

Indoor Monitor
INTIPMONDW

PoE Switch
VSPOE-SW8

Door Station
INTIPRDSVW

PoE Receiver
WT-CAT5POER

(Sold separately)

━━━ Power
━━━ Network
━━━ PoE

Door Station
INTIPRDSDB

Powering the INTIPRDSVW with a PoE Receiver (sold separately)

The INTIPRDSVW door station does not feature PoE (Power over Ethernet) - as such, it may be difficult to run a power cable to it alongside a CAT5e/CAT6 (network) cable. The best solution to this is using a PoE Switch and PoE Receiver to send power to the Door Station.

Connect a CAT5e/CAT6 cable from the PoE Switch switch to a PoE Receiver *(Product code: WT-CAT5POER)*. The receiver then splits the power and data, allowing you to connect them separately to the door station. One PoE receiver is required for each different device..

Powering other devices over PoE

All other Residential Series door stations & indoor monitors have PoE compatibility and **do not** require a PoE Receiver. These can instead by powered simply by connecting a CAT5e/CAT6 cable directly to any PoE switch.

3.16 Adding IP Cameras to an Indoor Monitor

You can add cameras that are connected to an external PoE switch to a Indoor Monitor for live viewing.
The cameras extra stream must be set to 1MP resolution. Once the cameras are connected and on the same IP address range as the local network, follow the below steps to add them to an Indoor Monitor.
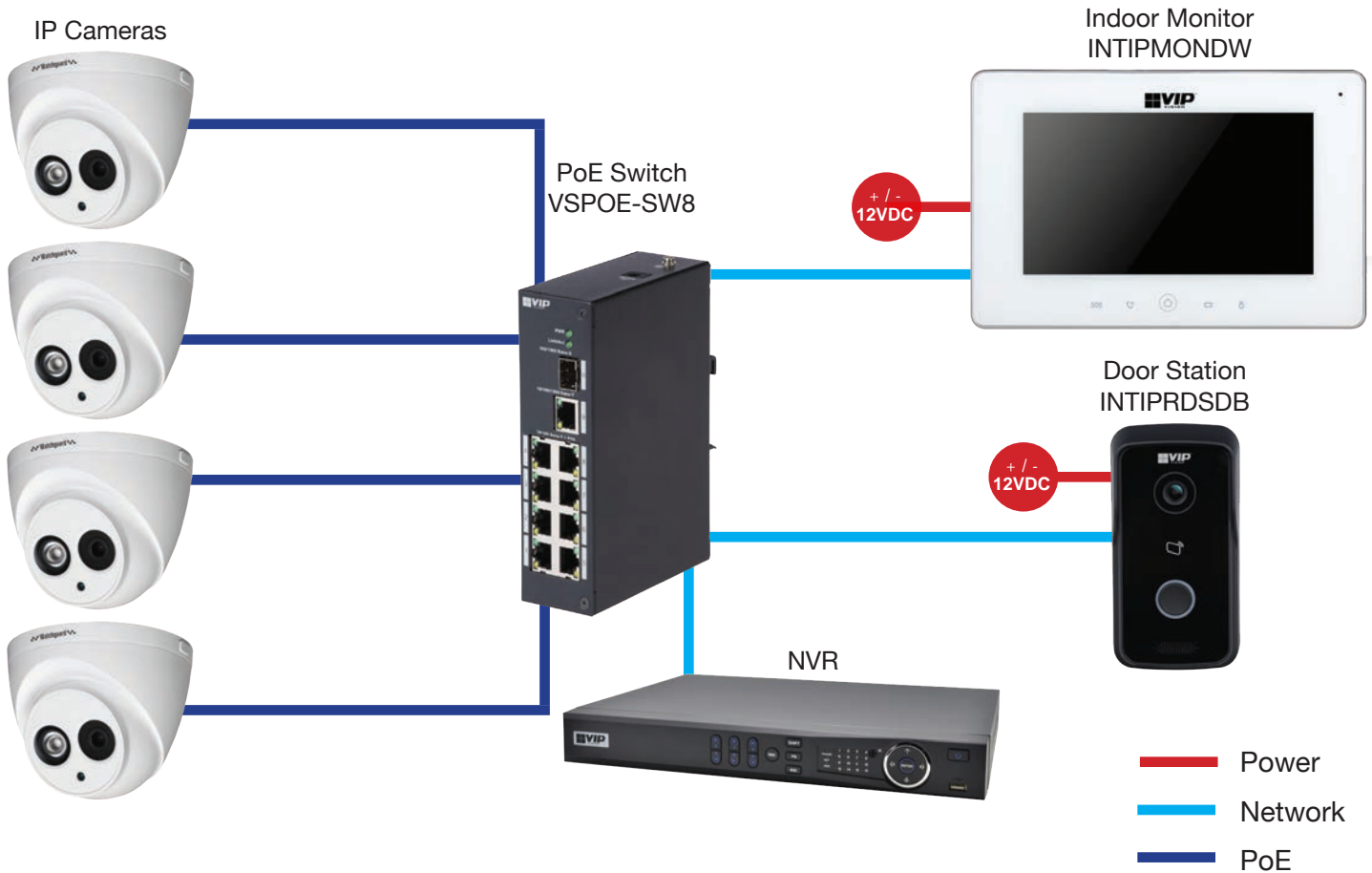

1. On the Indoor Monitor go to "Monitor" > "IPC" and select the "Add" button.

2. In this menu, you can enter a name for the IP Camera, IP address, username and password.

3. Once you have entered in the details of the cameras you wish to add, select the "OK" button.

To view the camera, select "Monitor" > "IPC", then select the camera you wish to view. To view a camera when a call is incoming, you can select the camera icon on the bottom of the screen, then select the camera you wish to view.

3.17 Adding Your Door Station to a VIP Vision NVR

If you have a VIP Vision NVR, you can add your Door Station as a camera.
To do this both your NVR and intercom Door Station must be on the same IP address range.
Adding a Door Station to your NVR system will take up a single channel for each Door Station.
The Door Station will be recording constantly, it is not able to be set for motion detection recording.

1. Select "Main Menu" > "Camera" > "Remote".
2. Select "Device Search". The intercom Door Station will be listed in the top row.
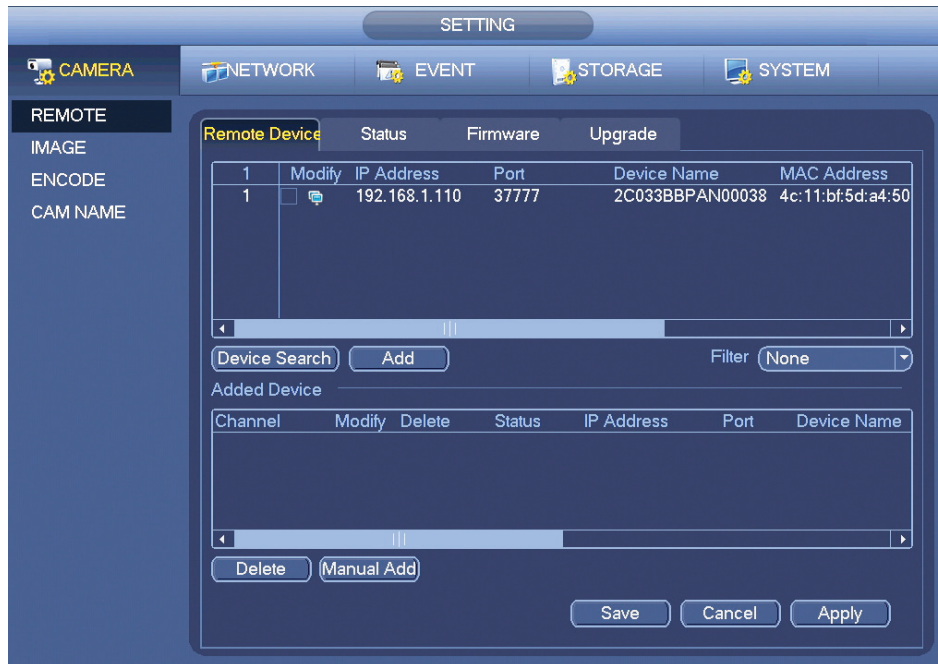
3. Put a tick in the box next to the IP address, then select "Add". The Door Station will now be added to your VIP Vision NVR.
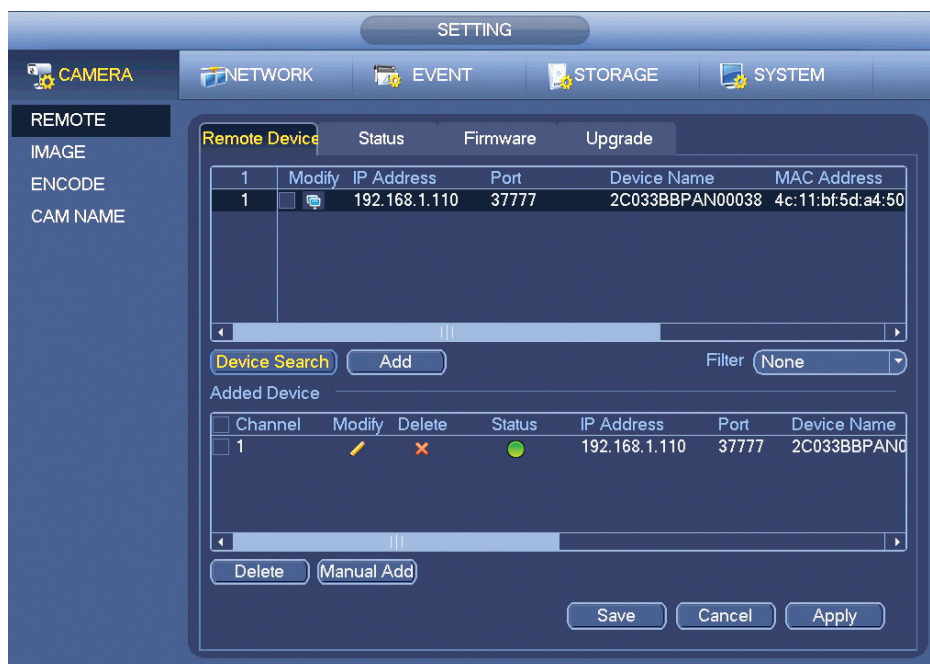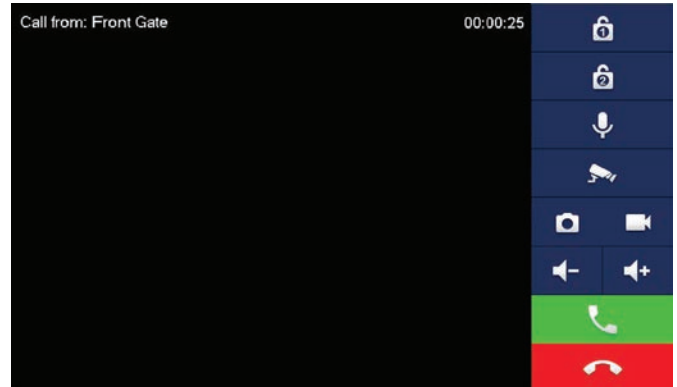
4. How to Use Your Intercom System

4.1 Making and Answering Calls

After the installation and configuration is complete, you can simply press the call button on the Door Station to call all Indoor Monitors simultaneously.

When receiving an incoming call, you can choose to answer the call, reject the call or unlock the door.

4.2 Taking Videos / Snapshots from the Indoor Monitor

During a call, you can take a **video** from the Door Stations camera by pressing the record button. This will record audio and video which will then be stored in the Indoor Monitors MicroSD Card (if fitted).

During a call, you can take a **snapshot** from the Door Stations camera by pressing snapshot button. This image will then be stored to the Indoor Monitors MicroSD Card (if fitted).

You can automatically capture snapshots to the Micro SD Card when someone rings the Door Station and no one answers the call. On the Indoor Monitor, press the "Settings" button, then enter the password **123456** to access the Basic Settings. Select "General" then "Other", you can then turn the "AutoCapture" function to "ON".

4.3 Viewing Your Videos/Snapshots from the Indoor Monitor

To view recorded videos on the Indoor Monitor, select "Info" then "Guest Message".

To view snapshots on the Indoor Monitor, select "Info" then "Video Pictures".
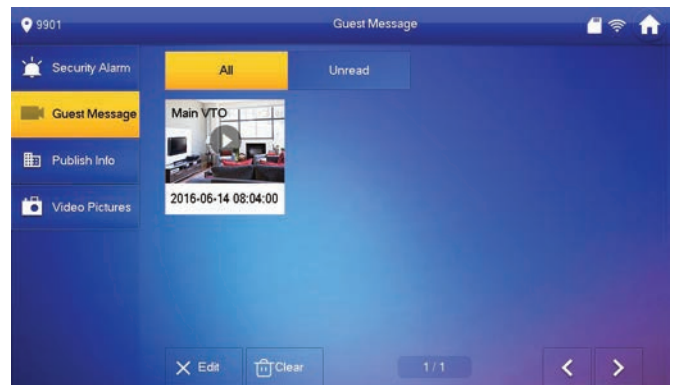
4.4 Viewing Your Videos/Snapshots from a Computer

If there is a video or snapshot you wish to keep, you can remove the MicroSD card from the bottom of the intercom monitor, and connect it to a computer. You can then view and save the files to your computer, to view later. To play videos that have been recorded, the "Smart Player" software needs to be installed on the computer.
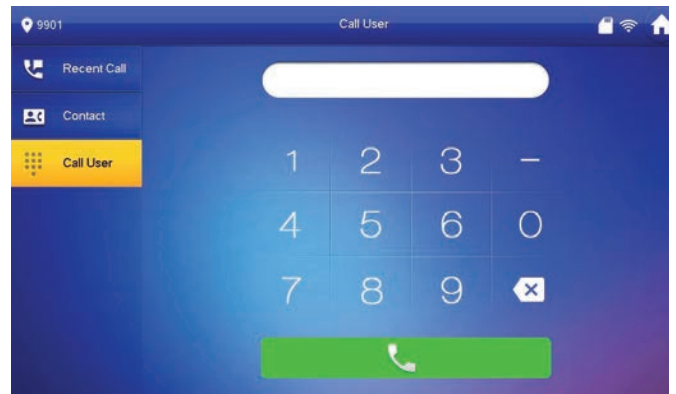
4.5 Calling Between Indoor Monitors

If you have more than one Indoor Monitor, you can make calls between the monitors.

On the Indoor Monitor go to "Call" > "Call User".

If you are calling from the "Master" monitor to an "Extension" monitor, enter "-1".
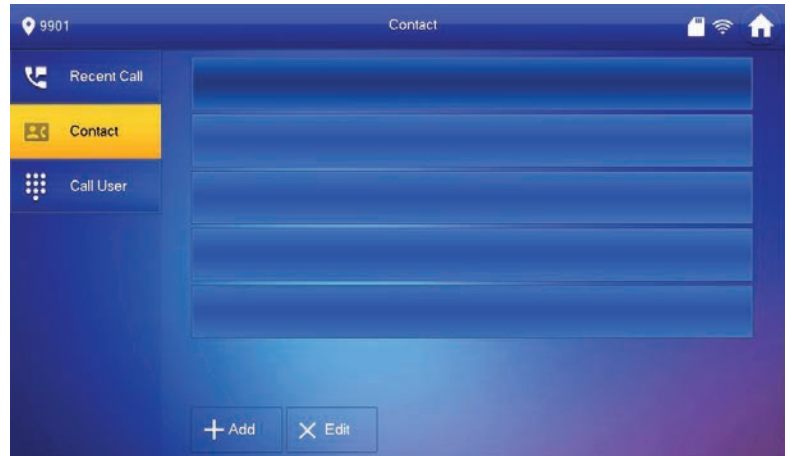
If you are calling from an "Extension" monitor to the "Master" monitor, enter the room number, e.g. **9901**.

4.6 Create Favourites

You can create favourites to call between rooms, instead of dialing the room number each time you wish to make a call.

1. On the Indoor Monitor go to "Call" > "Contact".

2. Select the "Add" button. Enter in a name for the room, and the room number, e.g. **9901**, then press the "OK" button.


3. The device will now be added to the favourites list. Select the name and then press the "Call" button.
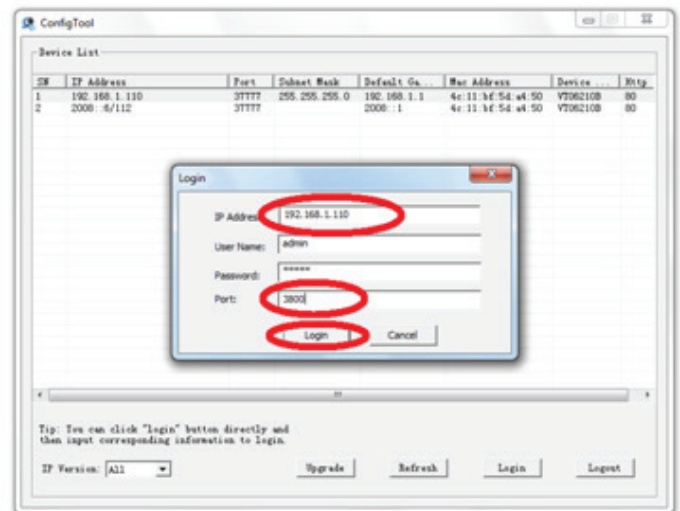
5. Updating Intercom Firmware

The below instructions cover how to update firmware on the VIP Vision Intercom Door Station and Indoor Monitor. Before starting, you must obtain the most recent firmware version for your intercom products.
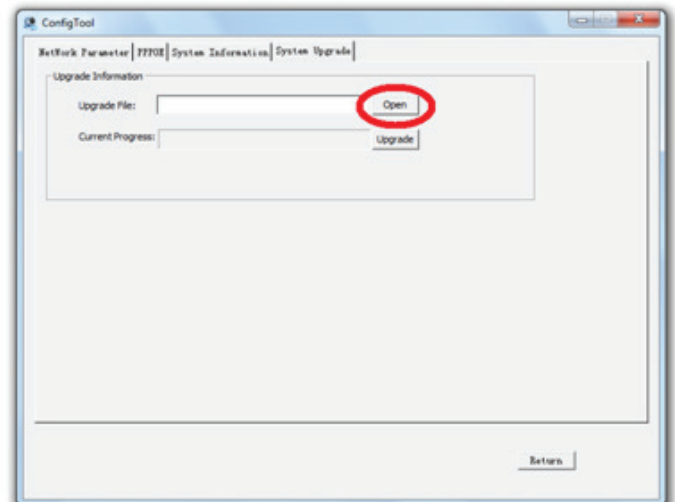
1. Download the Config Tool from the Support page on the VIP Vision website (www.vip-vision.com).

2. Once the software has been downloaded to your computer, extract the files and open "Configtool.exe".

3. Once the software is open, press the "Login" button.
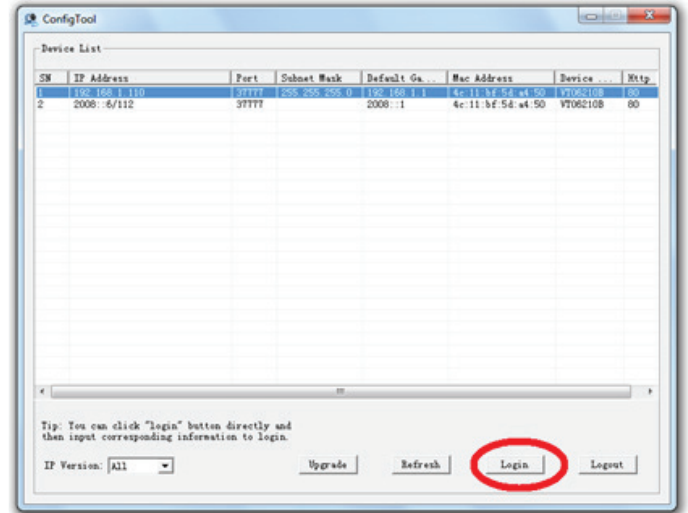
4. Enter the IP address of the Door Station, by default it is **192.168.1.110**. Change the port number to **3800**. Press the "Login" button.
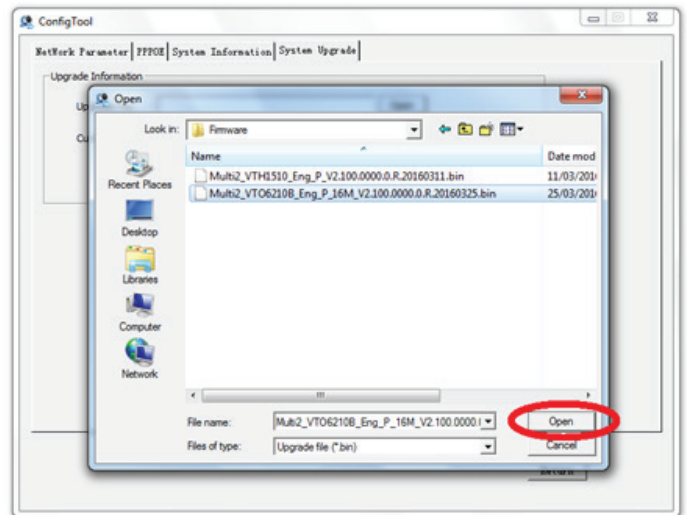
5. Select the "Open" button and locate the firmware file for the Door Station that you previously downloaded.
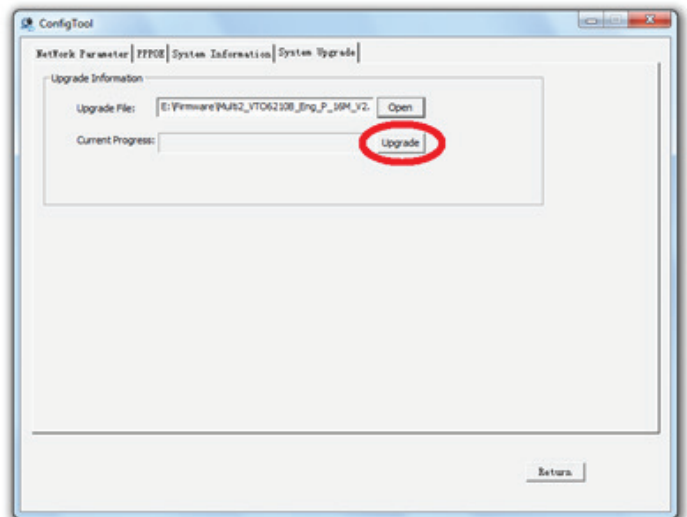
6. Once the firmware has been selected, press the "Open" button.

7. Select the "Upgrade" button to begin the upgrade. Please wait while the firmware is being updated, do not close the Config Tool, or unplug the computer or Door Station from the network, as this may cause damage to your device.

7. Once the upgrade is complete, select the "OK" button.

9. Your door station has now been upgraded.

   *To upgrade the Indoor Monitor, the same steps are followed (Step 5 onwards), but you must enter the IP address of the Indoor Monitor. By default the IP address for the Indoor Monitor is **192.168.1.109**. Port 3800 is to be used, and the correct firmware for the Indoor Monitor must be selected.*

   Notes: After upgrading the firmware, if you are unable to login to the Door Station and are presented with a corrupt login screen, please clear you Internet Explorer Browser History.
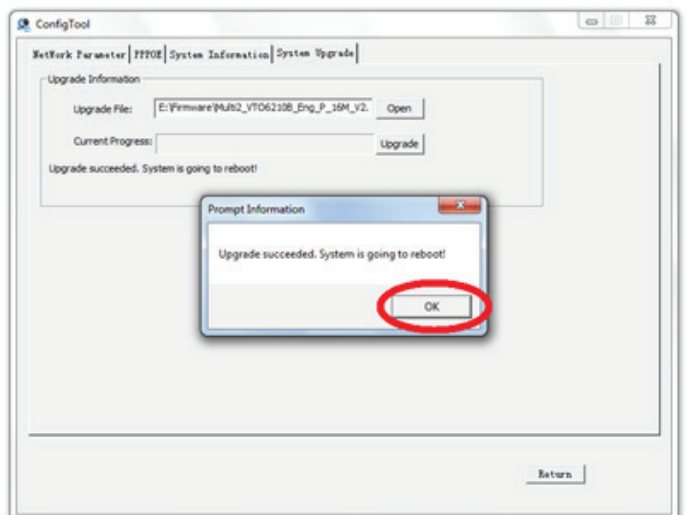
6. Troubleshooting

Please refer to the FAQ table below for easy troubleshooting. The table below describes some typical problems and their solutions. Please consult these guides before contacting your place of purchase.

Problem	Solution
Cannot connect to wireless AP	• Ensure that you are connecting to the correct Access Point, with the correct password. • Ensure DHCP is turned on before you attempt to connect to the Access Point.
No power	• Check power cord connection. • Confirm that there is power from the outlet. • Ensure each Indoor Monitor and Door Station is powered by 12VDC. • Ensure the power supply meets or exceeds the current rating for the device you are powering.
No live video	• Check the Door Station's cable and connections. • Check the Indoor Monitors cable and connections.
Cannot connect to one device when it has been programmed.	• Try to ping the device IP address from a PC using Command Prompt.
Unable to connect to Door Station	• During setup of the Door Station, if you have selected "eth0", connect to the Door Station via the LAN connection. If you have selected "eth2", connect to the Door Station via the Wi-Fi Network. • Press and hold the Reset button for 30 seconds to reset the Door Station to default settings.
Door Station and Indoor Monitors not connecting	• Reboot All Devices and Wait 5 minutes to ensure all devices have finished loading. • Check there are no breaks in the cable, and that it is terminated to either T-568A on both ends of the cable, or T-568B. • Check your Indoor Monitor and Door Station configuration.
Door Station makes an alarm sound when it is turned on	• Check that the tamper switch is fully depressed.
Unable to login to the Door's Station web interface	• Ensure your computer is in the same IP address range as the Door Station. • Ensure you are using Internet explorer to connect to the Door Station.
Web interface not displaying correctly	• Ensure you are using Internet Explorer to connect to the Door Station. • Clear your Internet Explorer search history.
Second monitor not ringing	• Connect to the Door Stations web interface, and ensure "Group Call" is selected.
Multiple Door Stations have the same name.	• Ensure that the VTO number is different between each Door Station • Ensure you have changed the name of each Door Station from the Indoor Monitor under the "Network" page.
P2P Connection Status is "Offline"	• Ensure that the IP address, subnet mask and default gateway of the Door Station is in the same IP address range as the existing computer network

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Note:

All products, designs and software here are subject to change without prior written notice.