



Residential & Apartment Intercom Systems

Installation Manual

Supports models from:



INT-Q4101120

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Notes

1. Pre-Installation

1.1 Please Read Before Installation

Thank you for purchasing this Intercom System. This install guide covers basic setup, installation and use of your intercom system.

For detailed technical support and software downloads, visit our Help Centre at: help.c5k.info






help.c5k.info

- **Basic Settings** password is 123456, which can be entered after pressing the Settings button.
- **Network Settings** password is user configured upon initial setup, it can be entered after holding the Settings button for 6 seconds.
- Door Station's default IP address is 192.168.1.108 or 192.168.1.110 (depending on model and firmware version).
- In our examples, we will be referring to 192.168.108 as the default IP address.
- The Door Station's default username is "admin" and the password is user configured upon initial setup. Please note that only the Door Station has a web interface - the Indoor Monitor does not.
- 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. Upon installation, we recommend bringing a laptop to site to make any settings changes that may be required. An understanding of basic computer networking is required.
- The IP intercom requires a CAT5e/CAT6 cable to be run between the Indoor Monitor, and Door Station. The cable must be terminated to TIA-568A or TIA568B standards. 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).
- Power must be provided to each Door Station and Indoor Monitor - this can be done via Power over Ethernet with a PoE switch, or via a separate 12VDC Power supply. Alternatively, 2-Wire cabling can be used (available on select models only).

IMPORTANT:

- Door Stations are designed to be mounted in a sheltered location, not exposed directly to weather.
- When installing the Door Station, apply outdoor silicone sealant between the Door Station and the wall, and seal the hole that has been created for the cable to prevent water ingress. If using a mounting box, ensure the box is also sealed, and the included waterproof rubber seals are used when installing the screws.

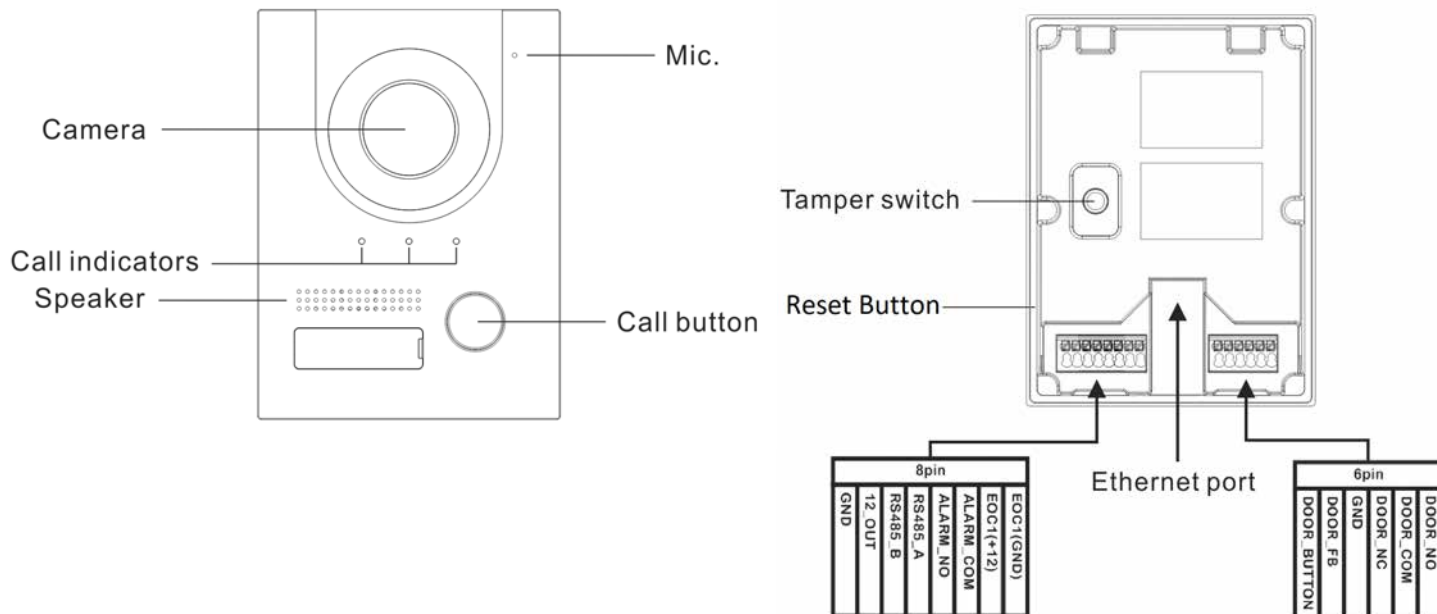
1.2 Device Models & General Use

Door Stations					
					
INTIPRDSG	INTIPRDSJ	INTIPDDS2	INTIPDDS4	INTIPRDS D	INTIPADSD
Residential Intercom					Apartment Intercom
Call Button, 2-Wire Option	Call Button, Card Reader	2 Call Buttons, Card Reader	4 Call Buttons, Card Reader	Keypad for unlock, Call Button, Card Reader	Keypad for calling and unlock, Card Reader
Up to 10 Monitors	Up to 10 Monitors	Up to 10 Monitors per Button	Up to 10 Monitors per Button	Up to 10 Monitors	Up to 200 Monitors
Calls a group of up to 10 monitors on button press					Calls individual monitors on room dialling
Includes smartphone intergration via QR code / P2P for iOS & Android					Optional
12VDC / PoE					
Indoor Monitors & Accessories					
					
INTIPMONGW INTIPMONGB INTIPMONGBL	INTIPMONDWH2 INTIPMONDBH2	INTIPMON	INTIPMON2W	INTIPPOE2W	INTIPDM
7" & 10" Monitors	7" Monitors w/ Handset	7" Monitor	2-Wire 7" Monitor	2-Wire Network Switch & PSU	Door Expansion Module
12VDC / PoE	12VDC / PoE	12VDC (PoE Requires INTIPMONPOE)	Requires INTIPPOE2W	24VDC	12VDC

2. Wiring & Connections

2.1 Connection Diagrams - Door Stations

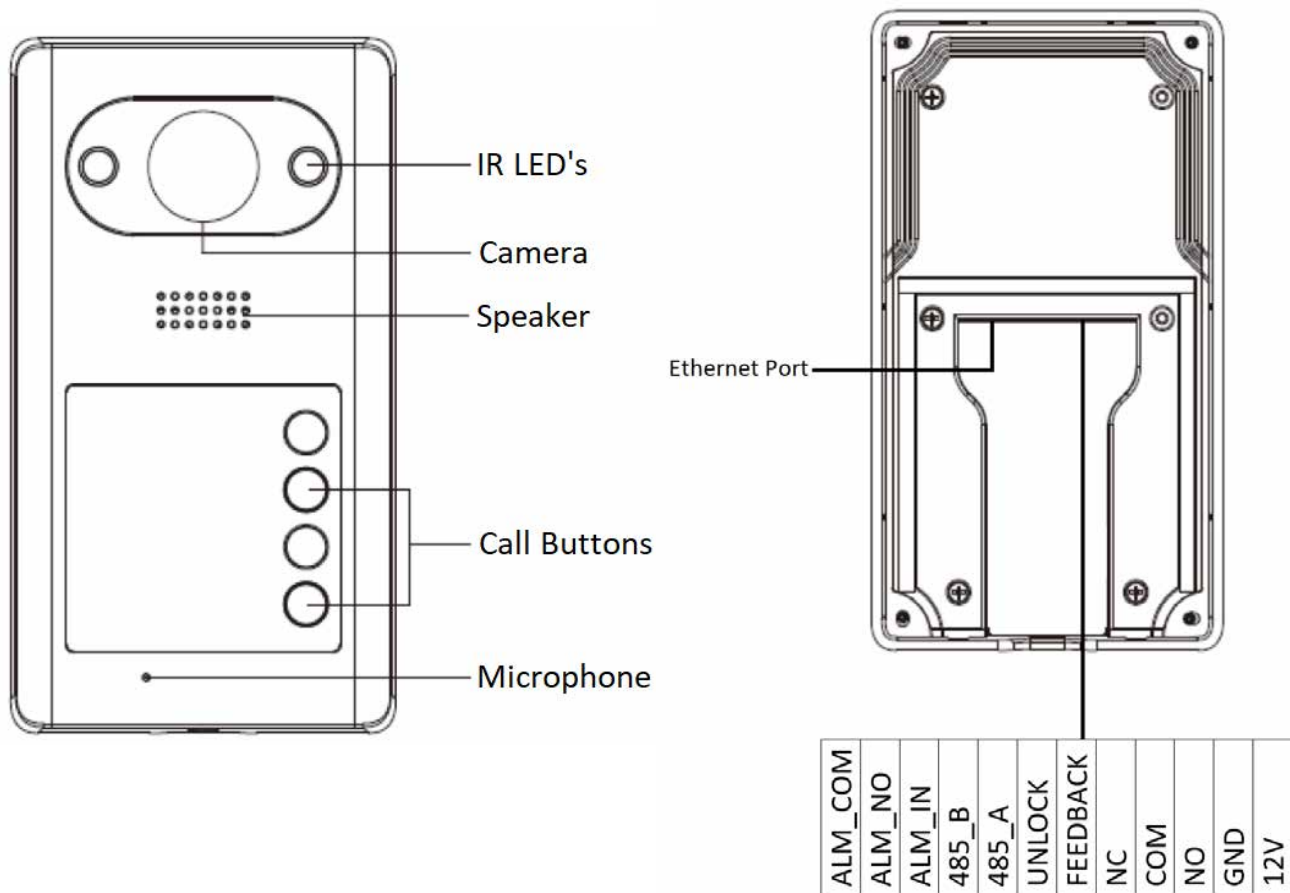
2.1.1 INTIPRDSG - G Series Residential Door Station



Name		Description
Ethernet Port		Power over Ethernet & network connectivity
Reset Button		Reset configuration back to factory default settings
Tamper Switch		The Door Station will generate an alarm sound if it is being removed from the wall
8-Pin Connector	EOC1 (GND)	12V DC negative input/2-Wire connection port
	EOC1 (+12)	12V DC positive input/2-Wire connection port
	ALARM_COM	Alarm common contact
	ALARM_NO	Alarm normally open contact
	RS485A	For use with the INTIPDM
	RS485B	For use with the INTIPDM
	12V_OUT	12V DC positive output, 100ma max current. For use with the INTIPDM
	GND	Ground connection for 12V_OUT
6-Pin Connector	DOOR_NO	Door relay normally open contact
	DOOR_COM	Door relay common contact
	DOOR_NC	Door relay normally closed contact
	GND	Ground connection for DOOR_FB or DOOR_BUTTON
	DOOR_FB	Door latch feedback input, for use with monitored door latch
	DOOR_BUTTON	Exit button dry contact input, triggers door relay when shorted to GND

2.1 Connection Diagrams - Door Stations (cont.)

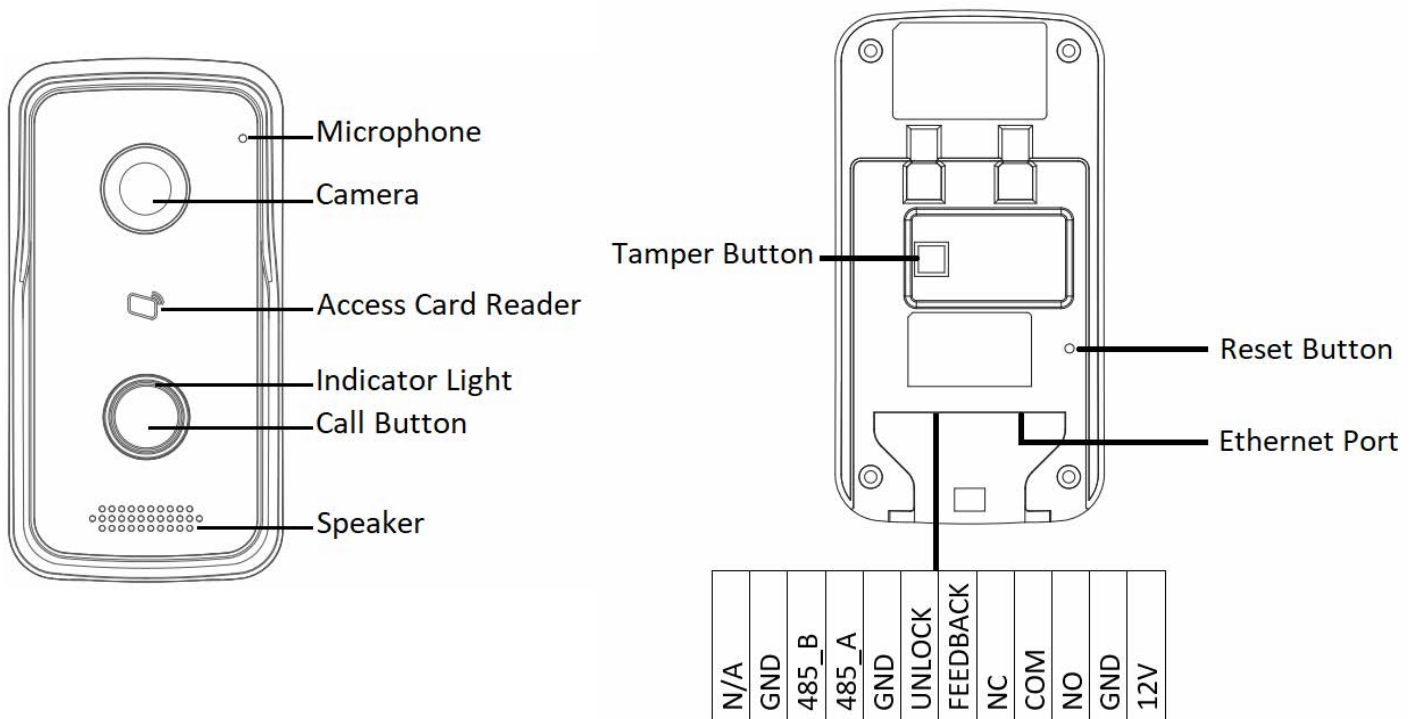
2.1.2 INTIPDDS2 & INTIPDDS4 - Residential Door Stations



Name		Description
Ethernet Port		Power over Ethernet & network connectivity
12-Pin Connector	12V	12V DC positive input
	GND	12V DC negative input / Ground connection for FEEDBACK or Unlock
	NO	Door relay normally open contact
	COM	Door relay common contact
	NC	Door relay normally closed contact
	FEEDBACK	Door latch feedback input, for use with monitored door latch
	UNLOCK	Exit button dry contact input, triggers door relay when shorted to GND
	RS485A	For use with the INTIPDM
	RS485B	For use with the INTIPDM
	ALM_IN	Alarm input contact
	ALM_NO	Alarm normally open contact
	ALM_COM	Alarm common contact

2.1 Connection Diagrams - Door Stations (cont.)

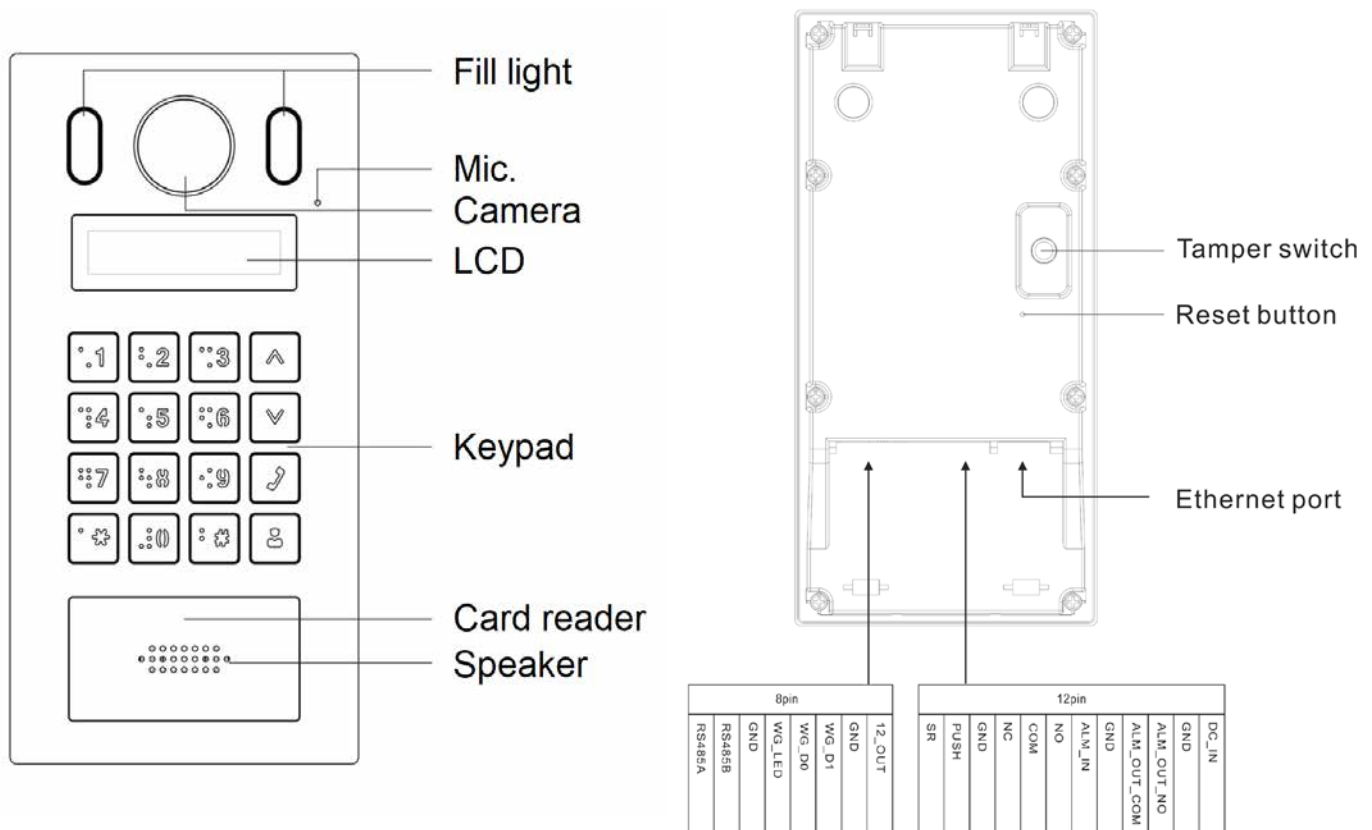
2.1.3 INTIPRDSJ - J Series Residential Door Station



Name		Description
Ethernet Port		Power over Ethernet & network connectivity
Reset Button		Reset configuration back to factory default settings
Tamper Switch		The Door Station will generate an alarm sound if it is being removed from the wall
12-Pin Connector	12V	12V DC positive input
	GND	12V DC negative input
	NO	Door relay normally open contact
	COM	Door relay common contact
	NC	Door relay normally closed contact
	FEEDBACK	Door latch feedback input, for use with monitored door latch
	UNLOCK	Exit button dry contact input, triggers door relay when shorted to GND
	GND	Ground connection for FEEDBACK or UNLOCK
	RS485A	For use with the INTIPDM
	RS485B	For use with the INTIPDM
	N/A	Not used

2.1 Connection Diagrams - Door Stations (cont.)

2.1.4 INTIPADSD - Apartment Series Door Station

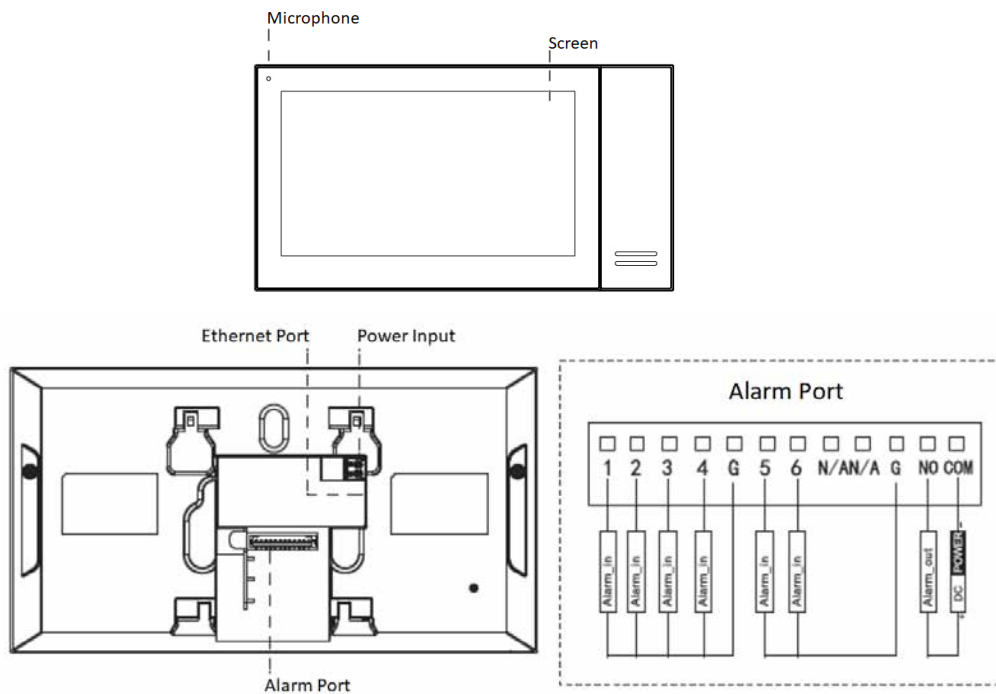


Name		Description
Ethernet Port		Power over Ethernet & network connectivity
Reset Button		Reset configuration back to factory default settings
Tamper Switch		The Door Station will generate an alarm sound if it is being removed from the wall
8-Pin Connector	12V_OUT	12V DC positive output, 100ma max current (for use with the INTIPDM)
	GND	Weigand card reader ground connection
	WG_D1	Weigand card reader D1 connection
	WG_D0	Weigand card reader D0 connection
	WG_LED	Weigand card reader LED connection
	GND	Ground connection for 12V_OUT
	RS485B	For use with the INTIPDM
	RS485A	For use with the INTIPDM
12-Pin Connector	DC_IN	12V DC positive input
	GND	12V DC negative input
	ALM_OUT_NO	Alarm output normally open contact
	ALM_OUT_COM	Alarm output common contact
	GND	Ground contact to be used with ALM_IN
	ALM_IN	Alarm input contact
	NO	Door relay normally open contact
	COM	Door relay common contact
	NC	Door relay normally closed contact
	GND	Ground connection for SR or PUSH
	PUSH	Exit button dry contact input, triggers door relay when shorted to GND
	SR	Door latch feedback input, for use with monitored door latch

2.2 Connection Diagrams - Indoor Monitors

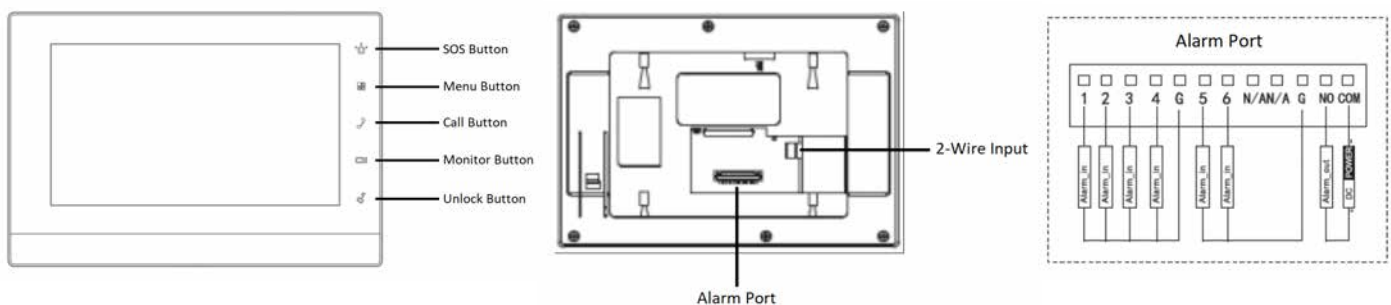
2.2.1 INTIPMONGW / INTIPMONGB Indoor Monitor

Note: Below is INTIPMONGW and INTIPMONGB Indoor Monitor, other models vary slightly.



Name	Description
Power Input	12VDC Power Input
Alarm Ports (For use with alarm sensors, when using the Indoor Monitor as a basic alarm)	6 Alarm Inputs 1 Alarm Output
Network Port	RJ-45 Connection

2.2.2 INTIPMON2W - 2-Wire Indoor Monitor

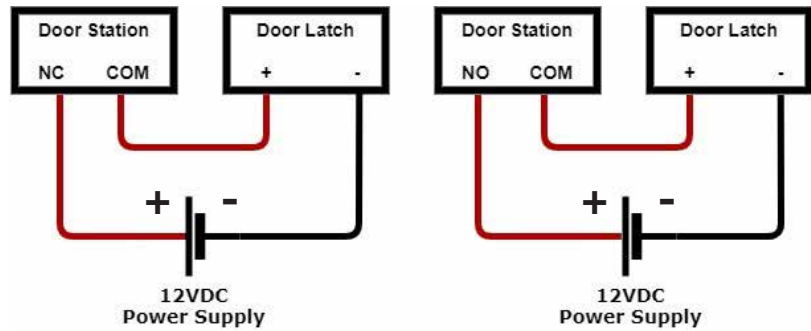


Name	Description
2-Wire Input	2-Wire Connection Port
Alarm Ports (For use with alarm sensors, when using the Indoor Monitor as a basic alarm)	6 Alarm Inputs 1 Alarm Output

2.3 Door Strike Wiring

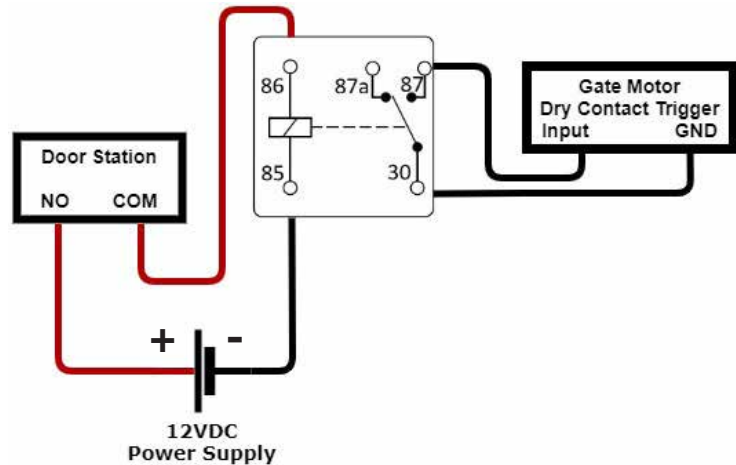
2.3.1 Normally Closed and Normally Open Wiring

Before connecting the Door Station to a door latch or gate motor, **refer to your door latch or gate motor installation manual** for specific product information. The Door Station uses a dry contact relay, rated at Max 2A 30VDC.



2.3.2 Using an External Relay

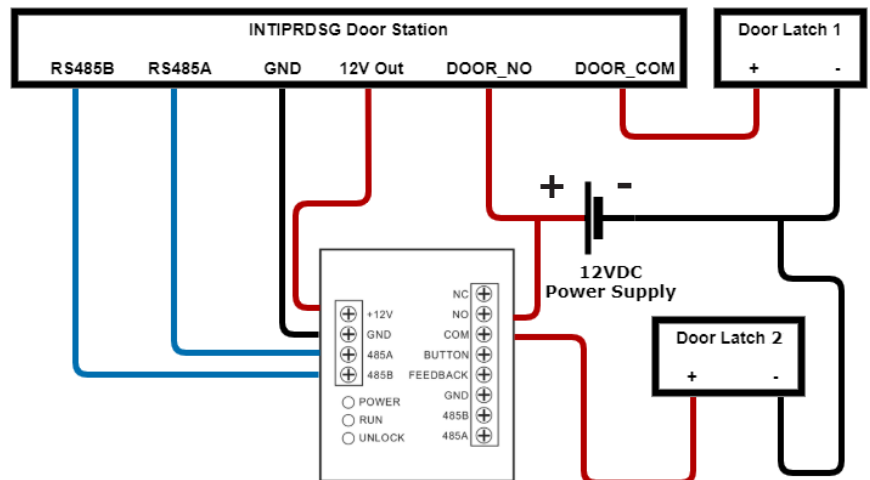
If wiring the Door Station to anything other than a door latch, such as an electric gate with dry contacts, it is recommended to use an external relay. The relay pictured is a 5 pin relay.



2.3.3 Two Door Latch Outputs using an INTIPDM

If you require 2 door latch outputs to be triggered individually, the INTIPDM is required to trigger a second latch.

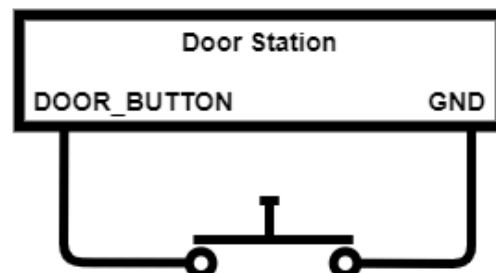
In the diagram right, the INTIPRDSG Door Station is being used and is utilizing the 12V output. This can be substituted for a 12VDC power supply.



2.3.4 Wiring a Push-to-Exit Button

If you require a push to exit button, ensure it is a NO button.

Wire the latch as per one of the three above methods, then connect your button.



For Door Station latch timing, see section 6.7.

2.4 Intercom Wiring - Overview

2.4.1 Selecting Network Cabling or 2-Wire Cabling

There are 2 different cable types that can be used for wiring the intercom system, network cabling (CAT5/6) or 2-wire cabling. Configuration is the same for both network and 2-wire intercoms installations, but different hardware is required

Network cabling, also known as Ethernet or data cabling is most commonly used in a new installation where no existing cable is installed.

2-Wire is used when there is existing cable installed at the premises, and the old intercom or doorbell is being replaced.

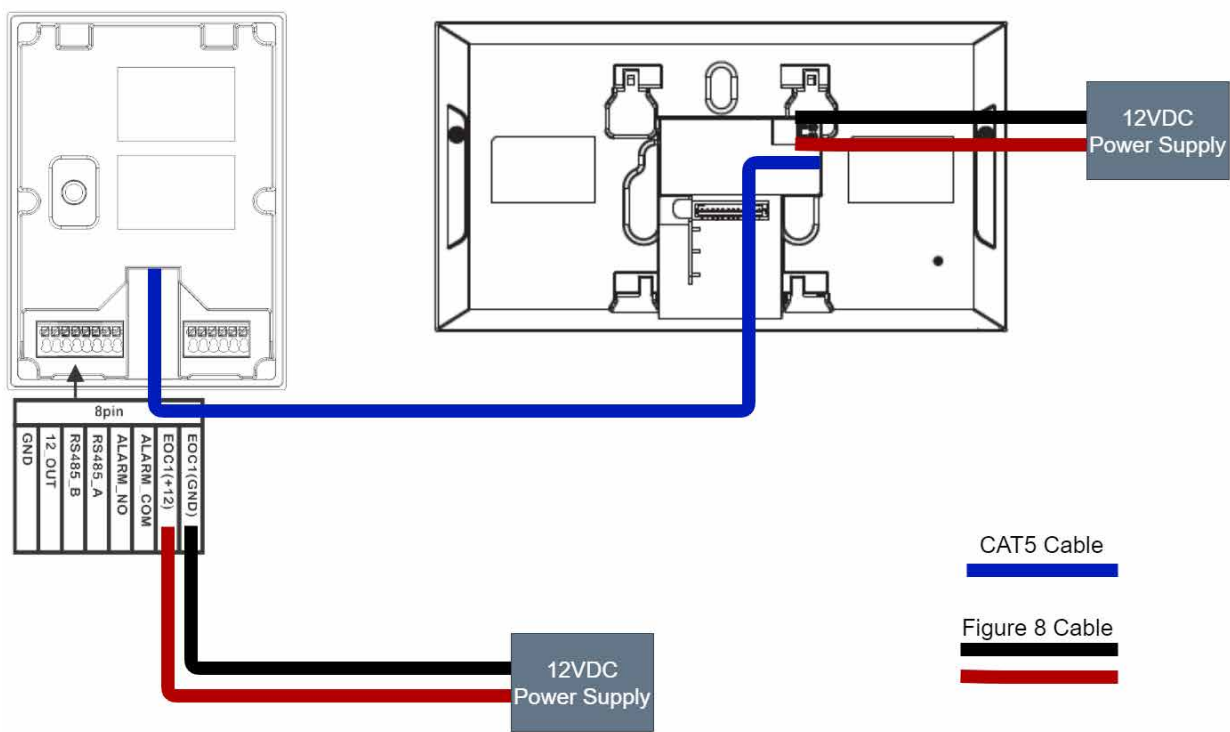
2-Wire cable needs to be a minimum of 24 strand, 0.20mm in size. The cable needs to have 2 insulated conductors. 4-core or 6-core cable can be used, but you must ensure only 2 cores of the cable are connected. Doubling up the pairs will cause an unreliable connection due to the way the data is transmitted. Maximum cable distance is 100m. One Key Configuration is not available on 2-Wire intercom devices, manual configuration is required see section 4 for details.

2.5 Intercom Wiring - No Network Connectivity

There are three wiring configurations for Intercoms.

- If an apartment intercom is being installed, follow method 2.
- If using 2-Wire intercom devices, follow method 3.

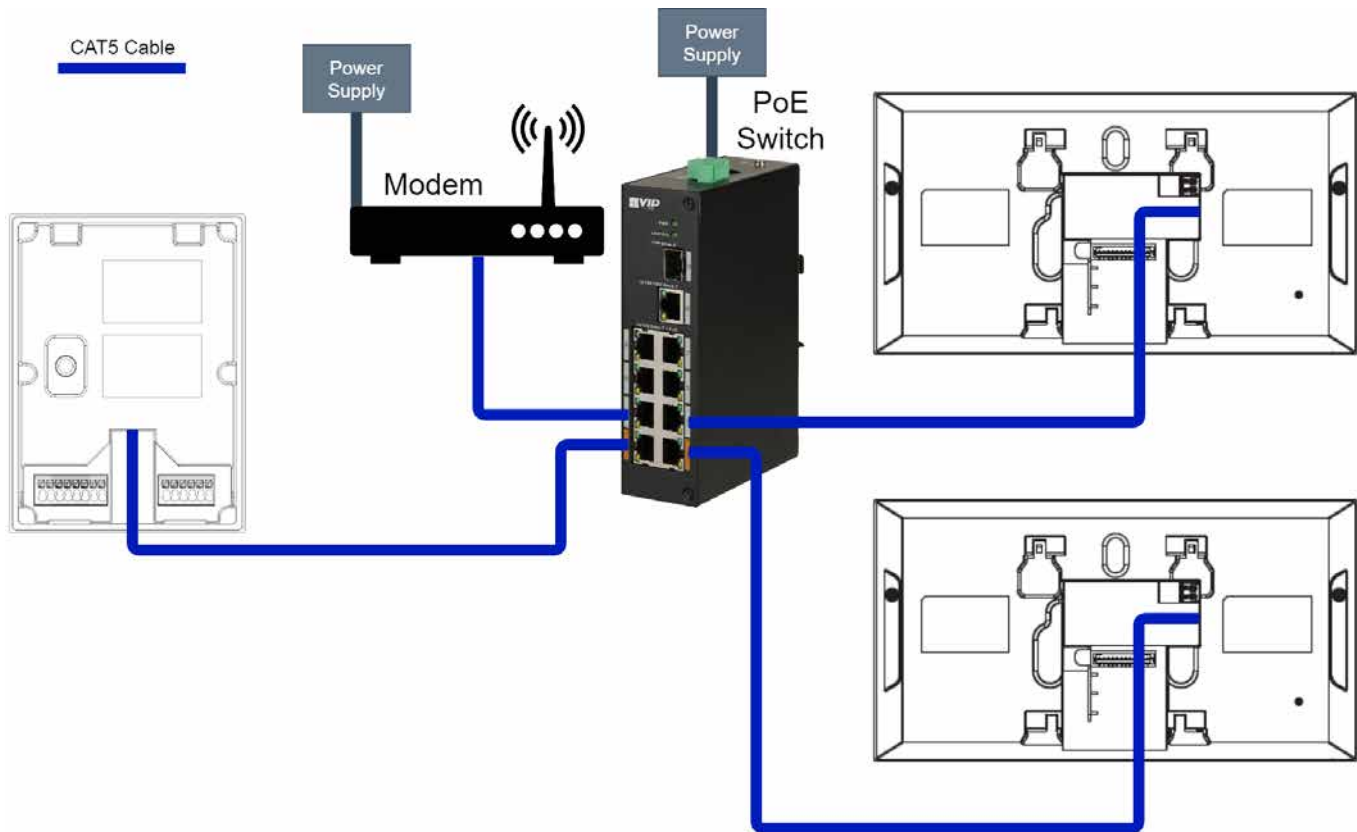
Method 1: Using 12VDC and direct connection between the devices with a CAT5 cable. (No network connection)



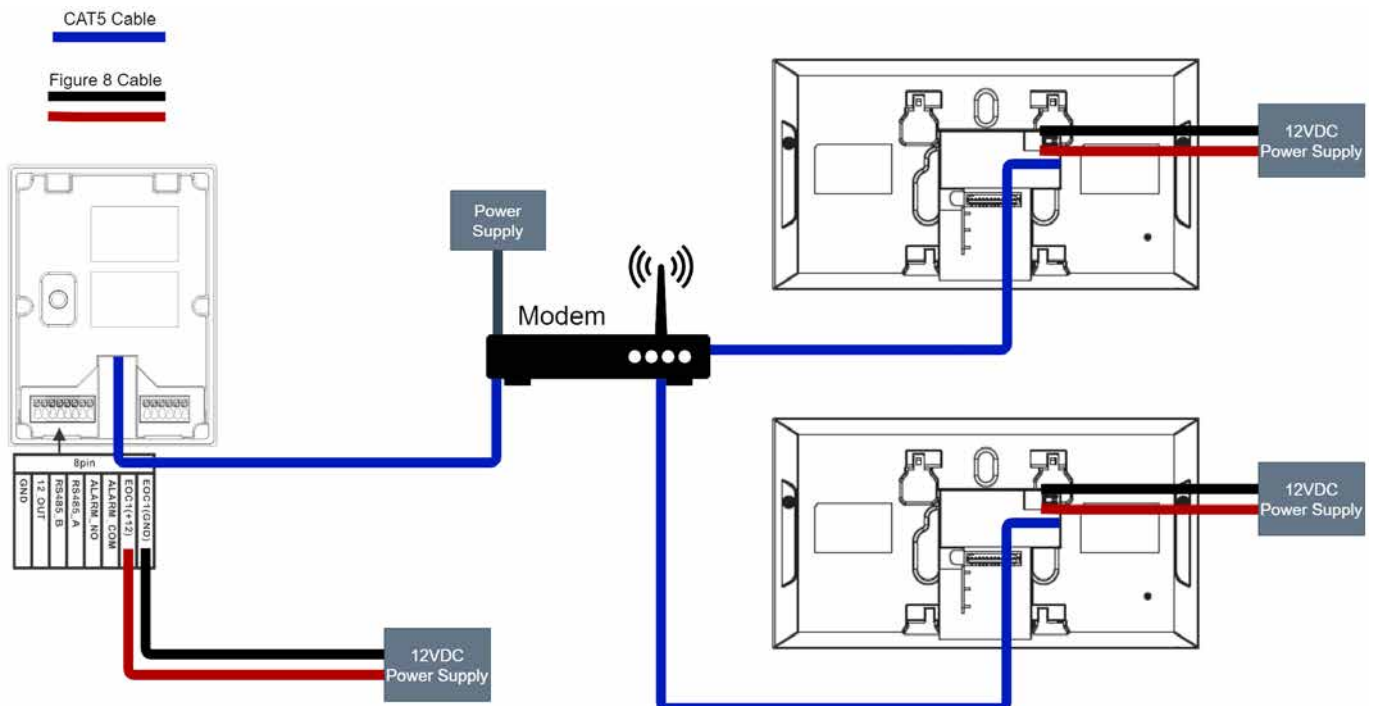
2.6 Intercom Wiring - Network Connectivity

Method 2: Using a PoE Switch connected to a router OR using 12VDC and an Ethernet switch connected to a modem.

Devices connected to a PoE Switch, then to a modem.



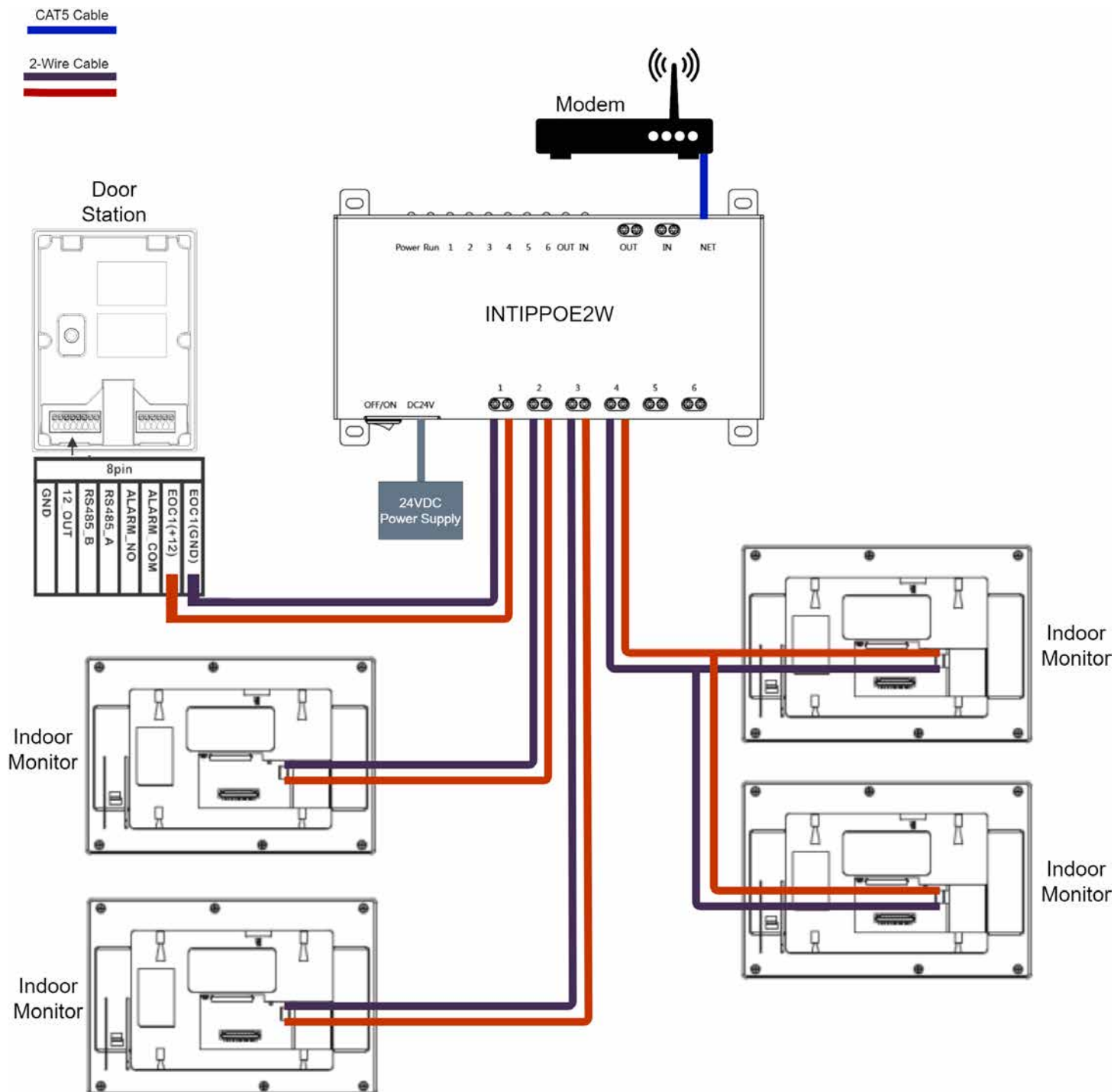
Devices connected to a modem/Ethernet switch, and powered with 12VDC.



2.7 Intercom Wiring - 2-Wire Intercom Systems

Method 3: Using a 2-Wire Switch connected to a router and 24VDC power supply.

This wiring configuration is only suitable for use with the INTIPRDSG Door Station and INTIPMON2W 2-Wire Indoor Monitor. No other devices will work in this configuration, and will be permanently damaged if connected.



3. Intercom Setup - One Key Configuration

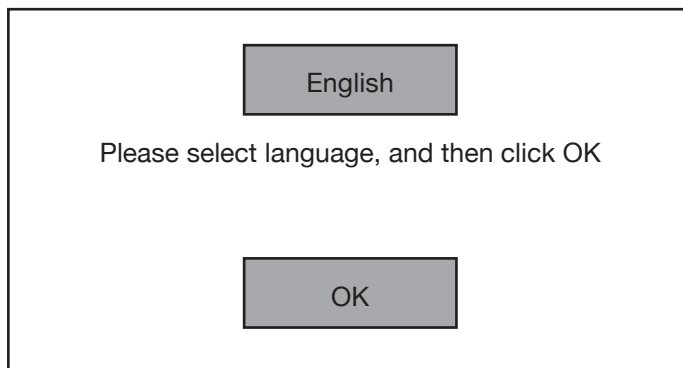
3.1 One Key Configuration – 1 Monitor and 1 Door Station

This method requires the least amount of time to setup and does not require a computer. However, a computer will be required to adjust settings such as door latch timing and date & time.

Below are the **example details** that we will be using for this guide. If you intend on connecting the intercom to your network for remote access, you will need to obtain the local IP address details for your network. (Refer to **6.10 Finding Available IP Addresses**) Replace the example IP addresses with IP addresses suitable for your network.

Device	IP Addresses	Subnet Mask	Gateway	Password	Type	Main/Sub
Door Station	192.168.1.108	255.255.255.0	192.168.1.1	admin123	VTO	Main
Indoor Monitor	192.168.1.109	255.255.255.0	192.168.1.1	888888	VTH	Main

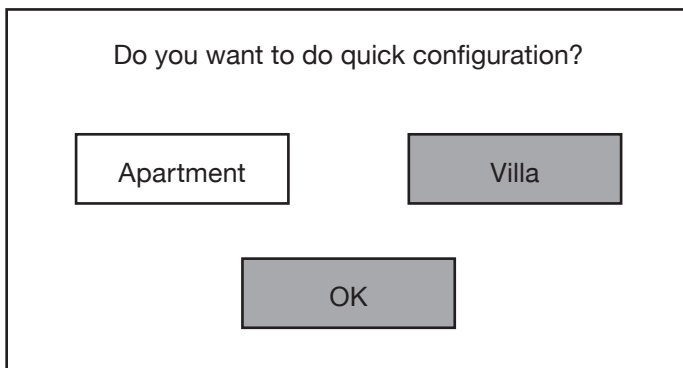
1. **Connect** the intercom equipment (Refer to **2. Wiring & Connections**)
2. Go to the Indoor Monitor, all configuration will be performed from this device. If prompted to select a language, select **English**, then select **OK**. If not prompted, proceed to the next step. (Fig 3.1)



The screen displays a grey button labeled "English" at the top. Below it, the text "Please select language, and then click OK" is centered. At the bottom, there is another grey button labeled "OK".

Fig 3.1: Language Selection

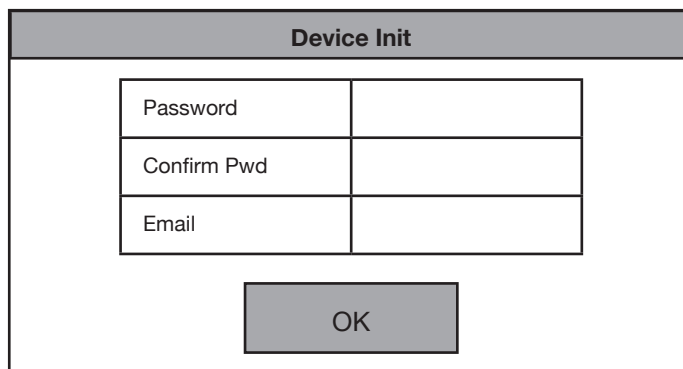
3. If prompted to choose Apartment or Villa, select **Villa**, then select **OK**. If not prompted, proceed to the next step. (Fig 3.2)



The screen displays the text "Do you want to do quick configuration?" at the top. Below this, there are two buttons: "Apartment" on the left and "Villa" on the right. At the bottom center, there is a grey button labeled "OK".

Fig 3.2: Installation Selection

4. Initialise the Indoor Monitor, by entering a 6 digit **password** (888888) and **email**. Select **OK**. (Fig 3.3)



The screen has a header bar labeled "Device Init". Below the header, there is a form with three rows: "Password", "Confirm Pwd", and "Email". Each row has a corresponding input field to its right. At the bottom center, there is a grey button labeled "OK".

Fig 3.3: Device Initialisation

3.1 One Key Configuration – 1 Monitor and 1 Door Station (Cont.)

5. If prompted with **Do you want to do quick configuration?**, Select **OK**. If Step 3 was completed, skip this step.
6. Select **Initialise** next to the uninitialised **Door Station (VTO)** and set a user **password** (admin123) and **email**. Select **OK**. (Fig 3.4)

Set another device password

The default password is the same as the first configuration

Password	••••••••	8~32 characters
Confirm Pwd	••••••••	8~32 characters
Email	s@gmail.com	Password reset email

Back
OK

Fig 3.4: VTO Initialisation

7. Once all of the devices are initialised, select **Next**. (Fig 3.5)
8. Select **Edit** next to the **Indoor Monitor (VTH)**. Set the **IP Address** (192.168.1.109), **Netmask** (255.255.255.0) and **Gateway** (192.168.1.1). Select **OK**. (Fig 3.6)

Set another device password

Device Type	SN	MAC	IP	Status	Operation
Local	5L0A0C...	08:ED:ED:20:C...	192.168.1.155	Initialised	
VTO	5G00D19...	a0:bd:1d:46:c6...	192.168.1.108	Initialised	

Refresh
Next

Fig 3.5: Device Initialisation

9. Select **Edit** next to the **Door Station (VTO)**. Set the device type to **Main** and set the **IP Address** (192.168.1.108), **Netmask** (255.255.255.0) and **Gateway** (192.168.1.1). Set the Time and Date. Select **OK**. (Fig 3.7)

NOTE: Ensure the time & date is set correctly, otherwise you may be unable to add the device to the phone app.

Networking configuration

Device Type	SN	MAC	IP	Main/ Sub	Results	Config
Local	5L0A0C...	08:ED...	192.168.1.155	Main	--	Edit
VTO	5G00D19...	a0:bd...	192.168.1.108	--	--	Edit

Quit
One-key Config

Fig 3.6: Network Config

10. Once all devices have had their IP address details and device type set, select **One-Key Config**. The devices will now be configured. **NOTE:** If an error occurs during the configuration, ensure the entered details are correct. (Refer to [Section 9](#) for troubleshooting)

11. Once the devices have successfully configured, select **OK**.

12. **The devices will reboot, allow up to 10 minutes for them to connect.**

VTO Config

☒ Main ☐ Sub

Local IP	192.168.1.108
Netmask	255.255.255.0
Gateway	192.168.1.1

Date Format	DD-MM-YYY
Time Format	24-Hour
Date	01-01-2020
Time	00:00:00

Video Standard ☒ PAL ☐ NTSC

Only one main VTO can exist in the system

Back
OK

Fig 3.7: VTO Config

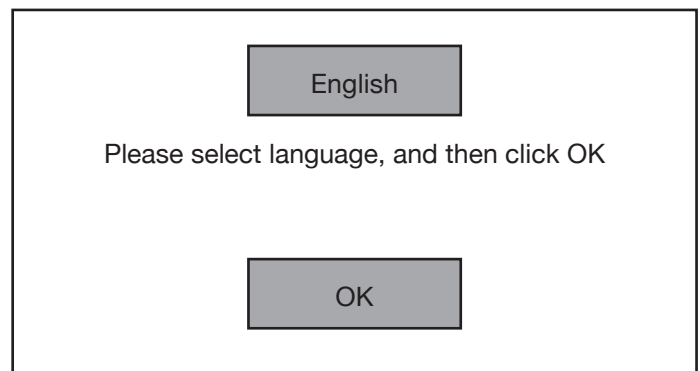
3.2 One Key Configuration – Multiple Monitors and/or Multiple Door Stations

This method requires the least amount of time to set up and does not require a computer. However, a computer will be required to adjust settings such as door latch timing and date & time. The steps below cover setting up multiple monitor and multiple door stations. The example will cover setting up 2 Indoor Monitors, and 2 Door Stations.

Below are the **example details** that we will be using for this guide. If you intend on connecting the intercom to your network for remote access, you will need to obtain the local IP address details for your network. (Refer to **6.10 Finding Available IP Addresses**) Replace the example IP addresses with IP addresses suitable for your network.

Device	IP Addresses	Subnet Mask	Gateway	Password	Type	Main/Sub
Door Station 1	192.168.1.108	255.255.255.0	192.168.1.1	admin123	VTO	Main
Door Station 2	192.168.1.111	255.255.255.0	192.168.1.1	admin123	VTO	Sub
Indoor Monitor 1	192.168.1.112	255.255.255.0	192.168.1.1	888888	VTH	Main
Indoor Monitor 2	192.168.1.113	255.255.255.0	192.168.1.1	888888	VTH	Sub

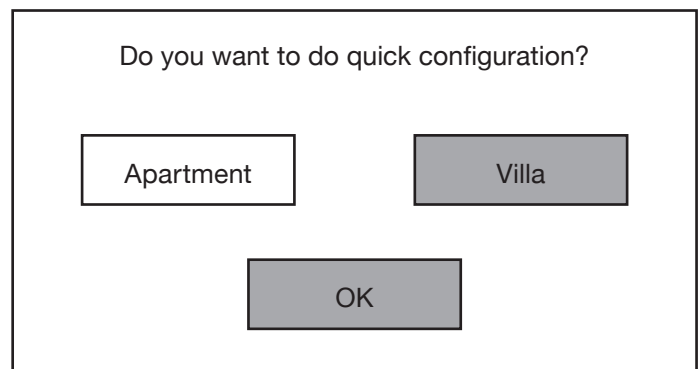
1. **Connect** the intercom equipment (Refer to **2. Wiring & Connections**)
2. Choose a Monitor to be your **Master** Indoor Monitor. All configuration will be performed from this device, do not configure any other monitor. If prompted to select a language, select **English**, then select **OK**. If not prompted, proceed to the next step. (Fig 3.8)



The screen displays a grey button labeled "English" at the top. Below it, the text "Please select language, and then click OK" is centered. At the bottom, there is another grey button labeled "OK".

Fig 3.8: Language Selection

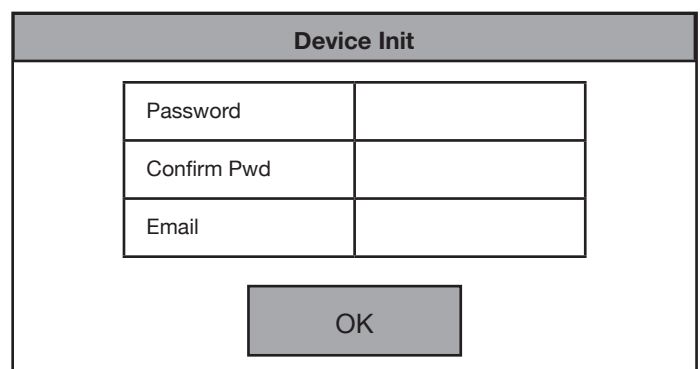
3. If prompted to choose Apartment or Villa, select **Villa**, then select **OK**. If not prompted, proceed to the next step. (Fig 3.9)



The screen displays the text "Do you want to do quick configuration?" at the top. Below this, there are two buttons: "Apartment" on the left and "Villa" on the right. The "Villa" button is highlighted with a grey background. At the bottom, there is a grey button labeled "OK".

Fig 3.9: Installation Selection

4. Initialise the Indoor Monitor, by entering a 6 digit **password** (888888) and **email**. Select **OK**. (Fig 3.10)



The screen has a header bar labeled "Device Init". Below the header, there is a form with three rows: "Password", "Confirm Pwd", and "Email". Each row has a text input field on the left and a corresponding field on the right. Below the form, there is a grey button labeled "OK".

Fig 3.10: Device Initialisation

Continued on next page →

3.2 One Key Configuration – Multiple Monitors and/or Multiple Door Stations (Cont.)

5. If prompted with **Do you want to do quick configuration?**, Select **OK**. If Step 3 was completed, skip this step. (Fig 3.11)
6. Select **Initialise** next to an **uninitialised Indoor Monitor (VTH)** and set a **password** (888888) and **email**. Select **OK**. Repeat this step for all additional Indoor Monitors.

Set another device password					
Device Type	SN	MAC	IP	Status	Operation
Local	6F01221...	08:ED:ED:20:...	192.168.1.155	Initialised	
VTH	6F0125DP...	08:bd:1d:46:...	192.168.1.108	Uninitialised	Initialise
VTO	5G03J19...	06:as:6s:65:...	192.168.1.108	Uninitialised	Initialise
VTO	5G00D19...	a0:bd:1d:46:...	192.168.1.108	Uninitialised	Initialise

Fig 3.11: Device Initialisation

7. Select **Initialise** next to an **uninitialised Door Station (VTO)** and set a user **password** (admin123) and **email**. Select **OK**. Repeat this step for all additional Door Stations. (Fig 3.12)

Set another device password		
The default password is the same as the first configuration		
Password	••••••••	8~32 characters
Confirm Pwd	••••••••	8~32 characters
Email	s@gmail.com	Password reset email

Fig 3.12: VTO Initialisation

8. Once all of the devices are initialised, select **Next**. (Fig 3.13)

Set another device password					
Device Type	SN	MAC	IP	Status	Operation
Local	6F01221...	08:ED:ED:20:...	192.168.1.155	Initialised	
VTH	6F0125DP...	08:bd:1d:46:...	192.168.1.108	Initialised	
VTO	5G03J19...	06:as:6s:65:...	192.168.1.108	Initialised	
VTO	5G00D19...	a0:bd:1d:46:...	192.168.1.108	Initialised	

Fig 3.13: Device Initialisation

9. Select **Edit** next to the **first Indoor Monitor (VTH)**. Set the **IP Address** (192.168.1.112), **Netmask** (255.255.255.0) and **Gateway** (192.168.1.1). Select **OK**. (Fig 3.14)

VTH Config	
Local IP	192.168.1.112
Netmask	255.255.255.0
Gateway	192.168.1.1

Fig 3.14: VTH Config

3.2 One Key Configuration – Multiple Monitors and/or Multiple Door Stations (Cont.)

10. Select **Edit** next to the **second Indoor Monitor (VTH)**. Set the **IP Address** (192.168.1.113), **Netmask** (255.255.255.0) and **Gateway** (192.168.1.1). Select **OK**. Repeat this step for all additional Indoor Monitors, ensuring the IP address is different for each device.
11. Select **Edit** next to the **first Door Station (VTO)**. Set the device type to **Main** and set the **IP Address** (192.168.1.108), **Netmask** (255.255.255.0) and **Gateway** (192.168.1.1). Set the Time and Date. Select **OK**. (Fig 3.15)

NOTE: Ensure the time & date is set correctly, otherwise you may be unable to add the device to the phone app.

VTO Config

☒ Main ☐ Sub

Local IP	192.168.1.108	Date Format	DD-MM-YYY
Netmask	255.255.255.0	Time Format	24-Hour
Gateway	192.168.1.1	Date	01-01-2020
		Time	00:00:00

Video Standard ☒ PAL ☐ NTSC

Only one main VTO can exist in the system

Back OK

Fig 3.15: Main VTO Config

12. Select **Edit** next to the **second Door Station (VTO)**. Set the device type to **Sub** and set the **IP Address** (192.168.1.111), **Netmask** (255.255.255.0) and **Gateway** (192.168.1.1). Select **OK**. Repeat this step for all additional Door Stations, ensuring the IP address is different for each device, and the device type is set to **Sub**. (Fig 3.16)
13. Once all devices have had their IP address details and device type set, select **One-Key Config**. The devices will now be configured. **NOTE:** If an error occurs during the configuration, ensure the entered details are correct. (Refer to [Section 9](#) for troubleshooting)
14. Once the devices have successfully configured, select **OK**.
15. **The devices will reboot, allow up to 10 minutes for them to connect.**

VTO Config

☐ Main ☒ Sub

Local IP	192.168.1.111
Netmask	255.255.255.0
Gateway	192.168.1.1

Back OK

Fig 3.16: Sub VTO Config

4. Intercom Setup - Manual Residential Intercom Setup

4.1 Manual Configuration of 1 Residential Door Station and 1 Monitor

This method requires a computer to set up and is more involved than the One-key Config method. The advantage to this method is the ability to customize settings on the Door Station to suit your requirements, as you will be logged into the Door Station's web interface.

Below are the **example details** that we will be using for this guide. If you intend on connecting the intercom to your network for remote access, you will need to obtain the local IP address details for your network. (Refer to **6.10 Finding Available IP Addresses**) Replace the example IP addresses with IP addresses suitable for your network.

NOTE: Web interface images have been modified for better legibility.

Device	IP Addresses	Subnet Mask	Gateway	Password	Type	Main/Sub
Door Station	192.168.1.108	255.255.255.0	192.168.1.1	admin123	VTO	Main
Indoor Monitor	192.168.1.109	255.255.255.0	192.168.1.1	888888	VTH	Main

1. Connect the intercom equipment (Refer to **2. Wiring & Connections**)
2. Connect your Windows computer to the network switch/modem with a CAT5 cable.
3. Configure your computer to be in the **same IP address range as the Door Station** (Refer to **Section 6.9**)
4. Open a **web browser** (Internet Explorer is recommended) and enter the default IP address of the Door Station (192.168.1.108) into the address bar.
5. You will be prompted to set a **password** (admin123). Select **Next**. (Fig 4.1)
6. Tick the check box and enter an email address - this will be used to reset the password if it is ever forgotten. Select **Next**.
7. **Log in** to the Door Station. The username is admin and the password is the one set in Step 5. (Fig 4.2)
8. Select **Local Setting**, then **System**. Click **Sync PC** to set the time & date to that of your computer. Enable and set DST if you are in a location that has daylight savings.

NOTE: Ensure the time & date is set correctly, otherwise you may be unable to add the device to the phone app.

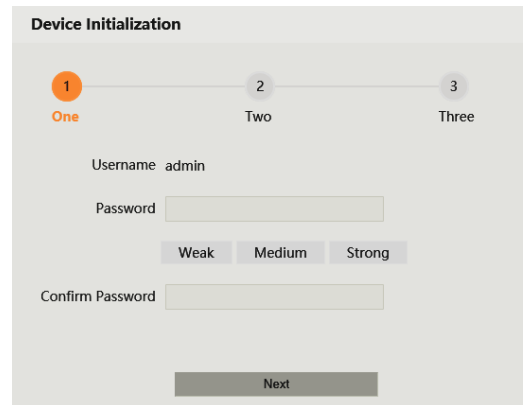


Fig 4.1: Door Station Initialisation

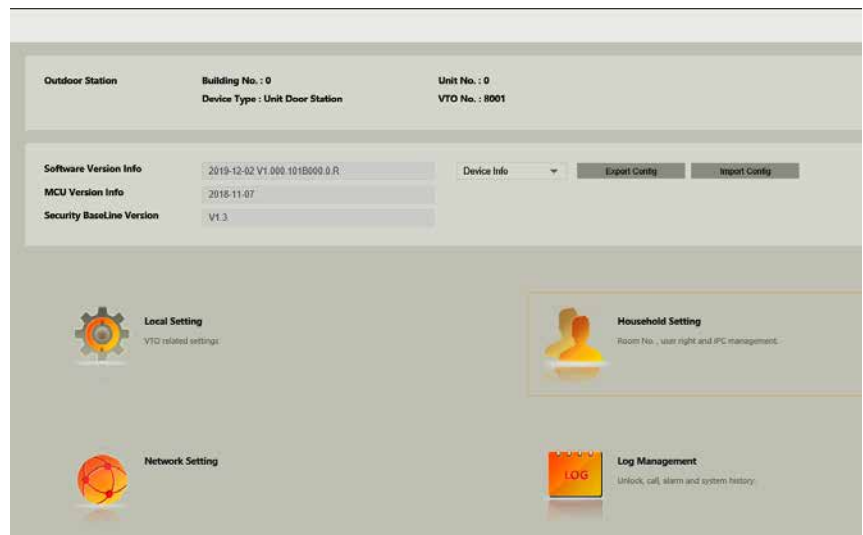


Fig 4.2: Door Station Web Interface

Continued on next page →

4.1 Manual Configuration of 1 Residential Door Station and 1 Monitor (Cont.)

9. Select **Network Setting**.
10. Set the **IP Address, Subnet Mask and Gateway** to suit your network. If no remote connection is required, use the example in the table above. Select **Save**. The Door Station will reboot. (Fig 4.3)
11. If prompted to choose Apartment or Villa, select **Villa**, then select **OK**. Press **Quit** to exit One-key configuration. If not prompted, proceed to the next step.
12. Initialise the Indoor Monitor, by entering a 6 digit **password** (888888) and email. Select **OK**.

Fig 4.3: Door Station Network Settings

13. If prompted with **Do you want to do quick configuration?**, Select **Cancel**. You will then be on the Main Menu (Fig 4.4).
14. Press and hold down the **Settings button** - after 6 seconds, a prompt will appear. Enter your **password**

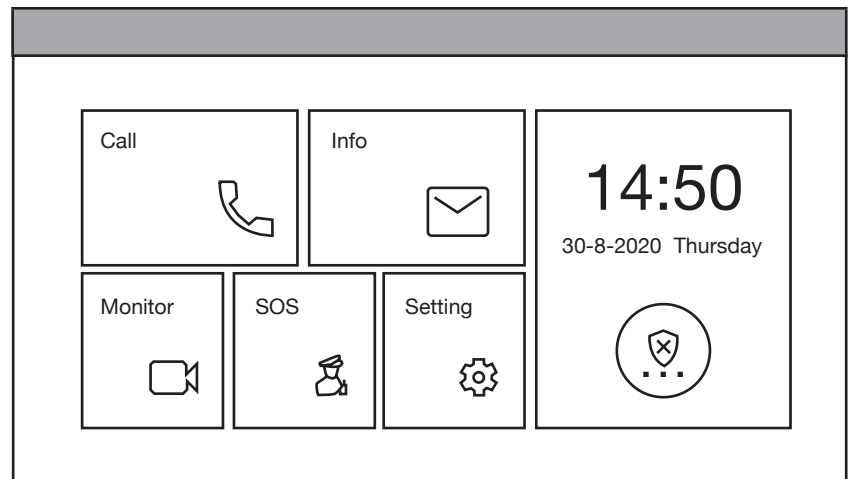


Fig 4.4: Main Menu

(888888), then select **OK**.

15. Select **Network** and set the **IP Address, Subnet Mask and Gateway** to suit your network, or, if no remote connection is required, use the example in the table above. (Fig 4.5)
16. Select **VTH Config** and set the **Room No.** to 9901#0. Ensure

Network	
Network	LAN
VTH Config	
SIP Server	
VTO Config	
Search Device	
Default All	
Reset MSG	
Local IP	192.168.1.109
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Mac	08:bd:1d:46:00
DHCP	Off
OK	

Fig 4.5: Network Settings

Continued on next page →

4.1 Manual Configuration of 1 Residential Door Station and 1 Monitor (Cont.)

Master is selected. Select **OK**. (Fig 4.6)

17. Select **SIP Server** and set the

VTH Config		
Network		
VTH Config	Room No.	9901#0 Master
SIP Server	Master IP	0.0.0.0
VTO Config	Master Name	admin
Search Device	Master Pwd	•••••
Default All	Version	V4.300.0000000.2.R.20180825
Reset MSG	SSH	<input checked="" type="radio"/> Off
OK		


Fig 4.6: VTH Config

Server IP, User Name and Login Pwd. These will be the IP Address, username and password of the Door Station (192.168.1.108, admin, admin123). Do not modify the register password (123456 by default). Select **OK**. (Fig 4.7)

SIP Server		
Network	Server IP	192.168.1.108
VTH Config	Network Port	5060
SIP Server	User Name	9901
VTO Config	Register Pwd	•••••
Search Device	Domain	
Default All	User Name	
Reset MSG	Login Pwd	
	Enable Status	On <input checked="" type="radio"/>
OK		

Fig 4.7: SIP Server Config

18. Select **VTO Config**. Set the **Main_VTO Name** to an easily identified name for the door (e.g Gate or Doorbell). Set the **VTO IP Address, User Name and Password**. These will be the IP Address, Username and Password of the Door Station (192.168.1.108, admin, admin123). **Turn the Enable Status button OFF then ON** to save the settings. **Ensure it is left in the ON position**. (Fig 4.8)

19. **Allow up to 10 minutes for the Indoor Monitor to connect to the Door Station.** Once the “” icon disappears, you can press the call button on the Door Station to test the connection. (Fig 4.4)

VTO Config		
Network	Main VTO Name	Front Door
VTH Config	VTO IP Address	192.168.1.108
SIP Server	User Name	admin
VTO Config	Password	•••••
Search Device	Enable Status	On <input checked="" type="radio"/>
Default All	Sub_VTO1 Name	
Reset MSG	VTO IP Address	0.0.0.0
	User Name	admin
	Password	•••••
	Enable Status	<input checked="" type="radio"/> Off

Fig 4.8: VTO Config

4.2 Manual Configuration of Additional Indoor Monitor/s

Follow the steps below to add an additional Monitor to the system. These steps will allow the additional Monitor(s) to ring when the first Indoor Monitor does. Before starting, you will need to know the IP address, password and room number of the Master Indoor Monitor. The intercom system must have a minimum of one Door Station and one Indoor Monitor connected and working, before following the below steps.

1. If prompted to choose Apartment or Villa, select **Villa**, then select **OK**. Press **Quit** to exit One-key configuration. If not prompted, proceed to the next step.
2. Initialise the Indoor Monitor by entering a 6 digit **password** (888888) and email. Select **OK**.
3. If prompted with **Do you want to do quick configuration?**, Select **Cancel**. You will then be on the Main Menu (Fig 4.9).

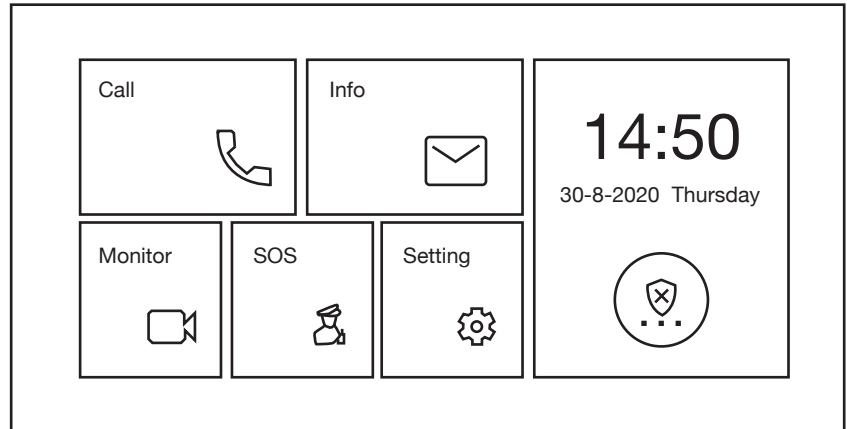


Fig 4.9: Main Menu

4. Press and hold down the **Settings** button - after 6 seconds, a prompt will appear. Enter your **password** (888888). Select **OK**.
5. Select **Network** and set the **IP Address, Subnet Mask and Gateway** to suit your existing intercom products. (Fig 4.10)

Network	
Network	LAN
VTH Config	
SIP Server	
VTO Config	
Search Device	
Default All	
Reset MSG	

Local IP	192.168.1.150
Subnet Mask	255.255.255.0
Gateway	192.168.1.1
Mac	4c:11:bf:6f:01:53
DHCP	<input checked="" type="radio"/> Off

OK

Fig 4.10: Network Settings

6. Select **VTH Config** and tap on Master so it changes to **Extension**, then set the **Room No.** The Room Number will be the same as the Master Indoor Monitor's Room Number, but with a different number as the last digit to indicate which extension it is (i.e if 9901#0 is the Master's room number, then the first extension will be 9901#1, the second extension will be 9901#2 and so on). (Fig 4.11)

VTH Config	
Network	
VTH Config	
SIP Server	
VTO Config	
Search Device	
Default All	
Reset MSG	

Room No.	9901#1	Extension
Master IP	192.168.1.109	
Master Name	admin	
Master Pwd	•••••	
Version	V4.300.0000000.2.R.20180825	
SSH	<input checked="" type="radio"/> Off	

OK

Fig 4.11: VTH Config

Continued on next page →

4.2 Manual Configuration of Additional Indoor Monitor/s (Cont.)

7. Enter the **Master IP & Master Pwd**. This will be the Master Indoor Monitor's IP address and Password (The one you set after first turning it on). (Fig 4.12)
8. Select **SIP Server** and ensure **Enable Status** is set to **ON**. Do not modify the register password (123456 by default). Select **OK**. (Fig 4.12)
9. **Allow up to 10 minutes for the Indoor Monitors to connect to the Door Station.** Once the "🔧" icon disappears, you can press the call button on the Door Station to test the connection. (Fig 4.9)

SIP Server		
Network	Server IP	192.168.1.108
VTH Config	Network Port	5060
SIP Server	User Name	9901
VTO Config	Register Pwd	*****
Search Device	Domain	
Default All	User Name	
Reset MSG	Login Pwd	
	Enable Status	On <input checked="" type="checkbox"/>
		OK

Fig 4.12: SIP Server Config

When adding additional monitors, follow the steps above, ensuring each Indoor Monitor has its own unique IP address in the same network range and a different room number (e.g. 2nd Monitor 9901#1, third monitor 9901#2 etc).

4.3 Manual Configuration of Additional Door Stations

Follow the steps below to add an additional Door Station to the system. Before starting, you will need to know the IP address, password and VTO Number of the existing Door Station. The intercom system must have a minimum of one Door Station and one Indoor Monitor connected and working, before following the below steps.

1. Configure your computer to be in the **same IP address range as the Door Station** (Refer to [Section 6.9](#).)
2. To avoid IP conflicts, **disconnect** any existing Door Stations from the network.
3. Open a **web browser** (Internet Explorer is recommended) and enter the **default IP address of the Door Station** (192.168.1.108) into the address bar.
4. You will be prompted to set a **password** (*admin123*). Select **Next**.
5. **Tick the check box** and enter an **email address** - this will be used to reset the password if it is ever forgotten. Select **Next**.
6. **Log in** to the Door Station. The username is admin and the password is the one you set in Step 5.

Device Initialization

1 2 3
One Two Three

Username admin

Password

Weak Medium Strong

Confirm Password

Next

Fig 4.13: Door Station Initialisation

Continued on next page →

4.3 Manual Configuration of Additional Door Stations (Cont.)

7. Select **Network Settings**.
8. Set the **IP Address, Subnet Mask and Gateway**. This device will need to be in the same IP address range as the other intercom devices. Press **Save**. The Door Station will reboot. (Fig 4.14)

WEB SERVICE2.0

Local Setting Household Setting **Network Setting** Log Management

Basic

FTP

UPnP

SIP Server

IP Permissions

TCP/IP

IP Addr: 192.168.1.108

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

MAC Addr: a0 bd 1d 46 c6 e8

Preferred DNS: 8.8.8.8

Alternate DNS: 8.8.8.8

Port

Port: 80

HTTPS Port: 443

Enable

Warning: The device needs reboot after modifying the Port or HTTPS Port.

Create Server CERT Download Root CERT

P2P

Enable

Status: Online

SN: 5G005G005G00

QR Code

To assist you in remotely managing your device, we need to collect device info such as IP address, device name, device SN, etc. All collected info is used only for the purposes of remote access. If you do not agree to enable the function above, please cancel the tick.

Fig 4.14: Door Station Network Settings

9. Once it has rebooted, **open a web browser and log into the Door Station** using the new IP address set in the previous step.
10. Select **Network Setting**, then select **SIP Server**. **Uncheck the Enable box** and enter the **IP Address, SIP Server Username and SIP Server Password**. This will be the IP address, username and password of the existing Master Door Station. Do not modify the **password** field (123456 by default). Select the **Save** button. The Door Station will now reboot.

WEB SERVICE2.0

Local Setting Household Setting **Network Setting** Log Management

Basic

FTP

UPnP

SIP Server

IP Permissions

SIP Server: Enable

Server Type: VTO

IP Addr: 192.168.1.108

Port: 5060

Username: 8001

Password: 123456

SIP Domain: VDP

SIP Server Username: admin

SIP Server Password: 123456

Warning: The device will be rebooted after modifying the SIP server enable status.

Save Refresh Default

Fig 4.15: Door Station SIP Server Settings

Continued on next page →

4.3 Manual Configuration of Additional Door Stations (Cont.)

11. Once it has rebooted, **log back into the Door Station** and select **Local Settings**. Change the **VTO No.** to one number higher than the existing Door Station, (e.g. 8002). Select the **Confirm** button to save changes.
12. **Reconnect** the Door Station that was disconnected in step 2.
13. Log into the **Master Door Station** and select **Household Setting**. On the **VTO No. Management** page, press the **Add** button.
14. Set **Rec No.** to the VTO number set in Step 11. Set the **IP Address**, **Username**, and **Password** (Set in Steps 4 & 7). Do not modify the **Register Password** field (123456 by default). Select **Save**. (Fig 4.16)

Fig 4.16: Door Station VTO No. Management

15. On the **Master Indoor Monitor**, press and hold down the **Settings button** - after 6 seconds, a prompt will appear. Enter your **password** (888888), select **OK**. You will then be on the Main Menu (Fig 4.17)

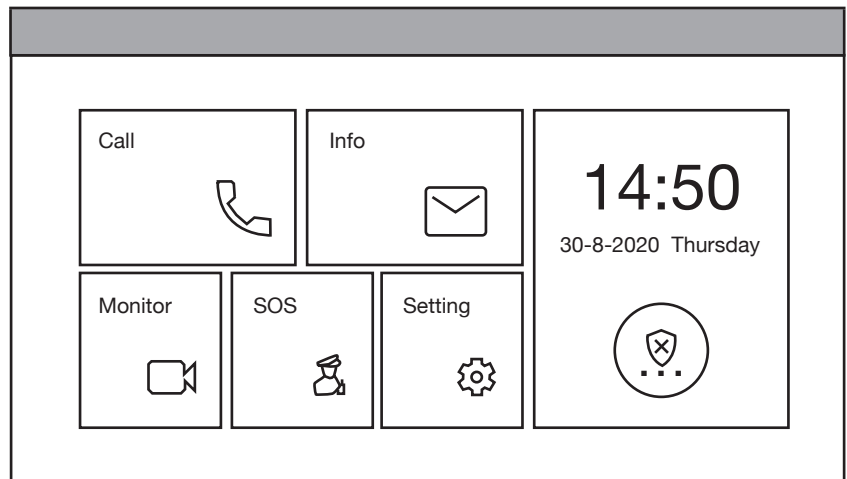



Fig 4.17: Main Menu

16. Select **VTO Config**. Set the **Sub_VTO Name** to an easily identified name for the door (e.g Gate or Doorbell). **Set the VTO IP Address, User Name and Password**. These will be the IP Address, Username and Password of the Door Station (Set in Step 4 & 7). **Turn the Enable Status button OFF then ON** to save the settings. **Ensure it is left in the ON position**. (Fig 4.18)
17. **Allow up to 10 minutes for the Indoor Monitors to connect to the Door Station**. Once the “” icon disappears, you can press the call button on the Door Station to test the connection. (Fig 4.17)

VTO Config		
Network	Main VTO Name	Front Door
VTH Config	VTO IP Address	192.168.1.108
SIP Server	User Name	admin
VTO Config	Password
Search Device	Enable Status	On <input checked="" type="checkbox"/>
Default All	Sub_VTO1 Name	Front Gate
Reset MSG	VTO IP Address	192.168.1.160
	User Name	admin
	Password
	Enable Status	On <input checked="" type="checkbox"/>

Fig 4.18: VTO Config

5. Intercom Setup - Manual Apartment Intercom Setup

5.1 Manual Configuration of 1 Apartment Door Station & 2 Monitors

When setting up an Apartment style intercom, One-Key configuration is not available. A Windows computer with a LAN port is required. It is recommended to setup the devices on a bench before installation, to save time traveling between each individual apartment once the Indoor Monitors are installed. The below steps will allow for calling to each Indoor Monitor Individually.

These are the **example details** that we will be using for this guide. (Refer to **6.10 Finding Available IP Addresses**)

Device	IP Addresses	Subnet Mask	Gateway	Password	Type	Main/Sub	Room No.
Door Station	192.168.1.108	255.255.255.0	192.168.1.1	admin123	VTO	Main	N/A
Indoor Monitor 1	192.168.1.111	255.255.255.0	192.168.1.1	888888	VTH	Main	1
Indoor Monitor 2	192.168.1.112	255.255.255.0	192.168.1.1	888888	VTH	Main	2

1. **Connect** the intercom equipment (Refer to **2. Wiring & Connections**)
2. Connect your Windows computer to the network switch/modem with a CAT5 cable.
3. Configure your computer to be in the **same IP address range as the Door Station** (Refer to **Section 6.9.**)
4. Open a **web browser** (Internet Explorer is recommended) and enter the **default IP address of the Door Station** (192.168.1.108) into the address bar.
5. You will be prompted to enter a **password** (*admin123*). Select **Next**. (Fig 5.1)

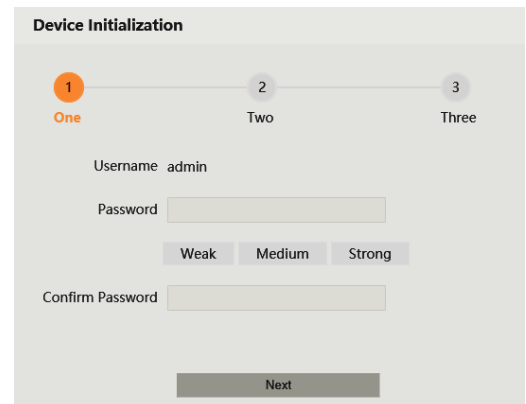


Fig 5.1: Door Station Initialisation

6. **Tick the check box and enter an email address** - this will be used to reset the password if it is ever forgotten. Select **Next**. (Fig 5.1)
7. **Log in** to the Door Station. The username is admin and the password is the one set in Step 5. (Fig 5.2)
8. Select **Local Setting**, then **System**. Click **Sync PC** to set the time & date to that of your computer. Enable and set DST if you are in a location that has daylight savings.

NOTE: Ensure the time & date is set correctly, otherwise you may be unable to add the device to the phone app.

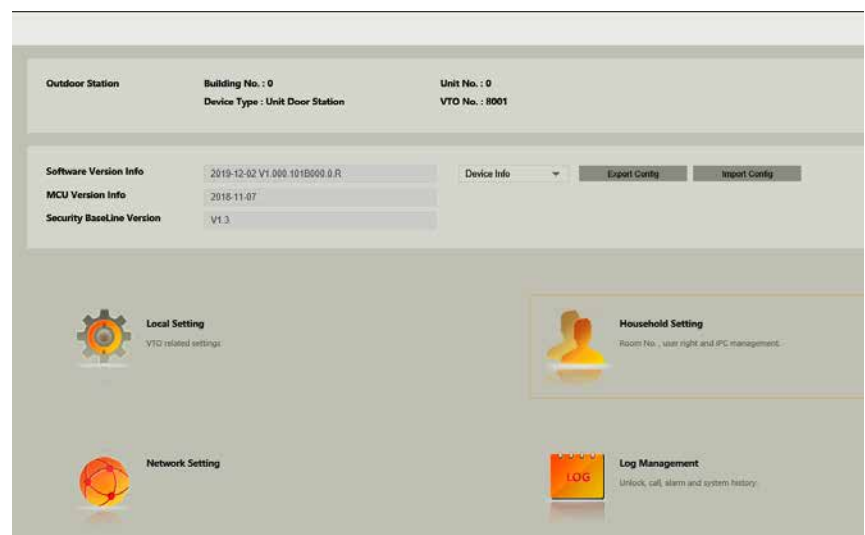


Fig 5.2: Door Station Web Interface

Continued on next page →

5.1 Manual Configuration of 1 Apartment Door Station & 2 Monitors (Cont.)

9. Select **Network Setting**.

10. Set the **IP Address, Subnet Mask and Gateway** to suit your network. If no remote connection is required, use the example in the table above. Select **Save**. The Door Station will reboot. (Fig 5.3)

Fig 5.3: Door Station Network Settings

11. Open a web browser and log back into the Door Station and select **Household Setting**, then **Room Number Management**. Delete any existing rooms. (Fig 5.4)

Fig 5.4: Door Station Room No. Management

Continued on next page →

5.1 Manual Configuration of 1 Apartment Door Station & 2 Monitors (Cont.)

12. In this example we are adding two Indoor Monitors, with Room numbers 1 & 2. Select the **Add** button and set **Room No.** to **1**. Select **Save**. **Repeat this step** for the second monitor with **Room No. 2**. You should now have both monitors added to the list. (Fig 5.5)
13. If prompted to choose Apartment or Villa, select **Apartment**, then select **OK**.

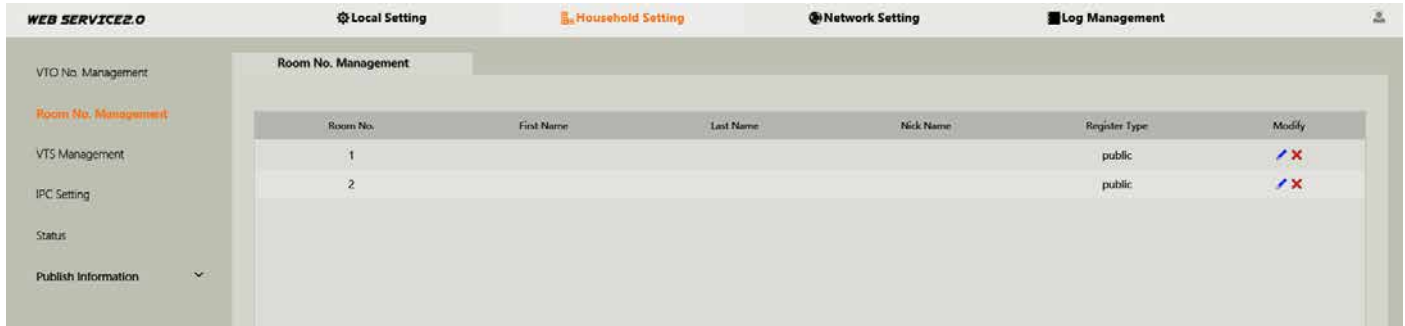


Fig 5.5: Door Station Room No. Management

14. Initialise the Indoor Monitor by entering a 6 digit **password** (888888) and email. Select **OK**.
15. If prompted with **Do you want to do quick configuration?**, select **Cancel**.
16. Press and hold down the **Settings** button - after 6 seconds, a prompt will appear. Enter your **password** (888888). Select **OK**. (Fig 5.6)

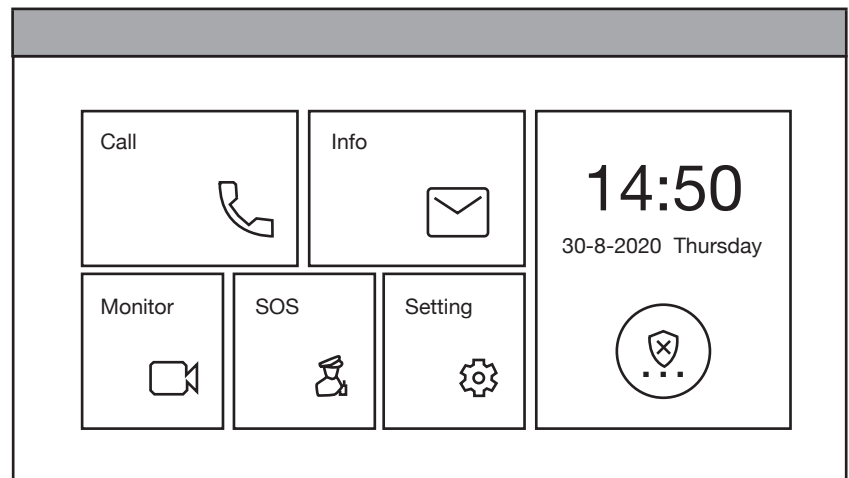


Fig 5.6: Main Menu

17. Select **Network** and **change the IP address** to suit your network, or, if no remote connection is required, use the example in the example details. (Fig 5.7)

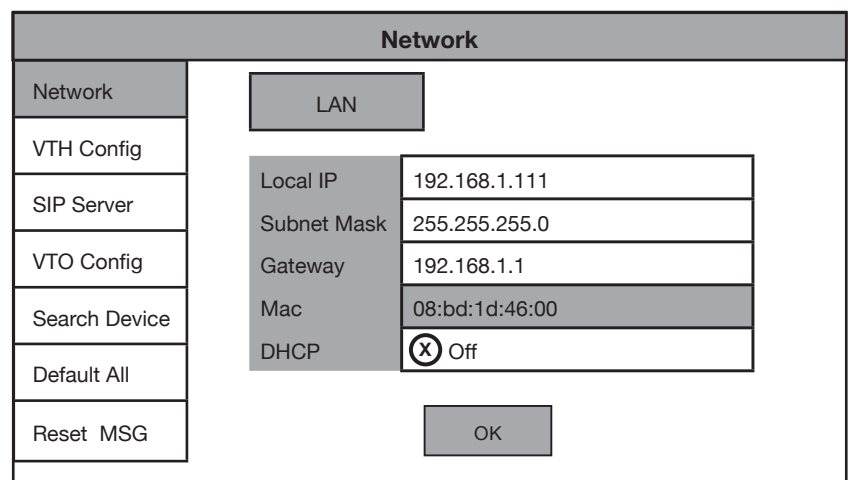


Fig 5.7: Network Settings

Continued on next page →

5.1 Manual Configuration of 1 Apartment Door Station & 2 Monitors (Cont.)

18. Select **VTH Config** and change the **Room No.** to **1**. Ensure **Master** is selected. Select **OK**. (Fig 5.8)

VTH Config		
Network		
VTH Config	Room No.	1 Master
SIP Server	Master IP	0.0.0.0
VTO Config	Master Name	admin
Search Device	Master Pwd	•••••
Default All	Version	V4.300.0000000.2.R.20180825
Reset MSG	SSH	<input checked="" type="radio"/> Off
OK		

Fig 5.8: VTH Config

19. Select **SIP Server** and set the **Server IP, User Name and Login Pwd**. These will be the IP Address, username and password of the Door Station (192.168.1.108, admin, admin123). Do not modify the register password (123456 by default). Select **OK**. (Fig 5.9)

SIP Server		
Network	Server IP	192.168.1.108
VTH Config	Network Port	5060
SIP Server	User Name	9901
VTO Config	Register Pwd	•••••
Search Device	Domain	
Default All	User Name	
Reset MSG	Login Pwd	
	Enable Status	On <input checked="" type="radio"/>
OK		

Fig 5.9: SIP Server Config

20. Select **VTO Config**. Set the **Main_VTO Name** to an easily identified name for the door (e.g Gate or Doorbell). Set the **VTO IP Address, User Name and Password**. These will be the IP Address, Username and Password of the Door Station. **Turn the Enable Status button OFF then ON** to save the settings. **Ensure it is left in the ON position**. (Fig 5.10)

21. For monitor 2, **repeat steps 12 through to 19**, ensuring the Local IP address of the Indoor Monitor and room number, are different between each Indoor Monitor.

22. **Allow up to 10 minutes for the Indoor Monitors to connect to the Door Station.** Once the "EX" icon disappears, you can press the call button on the Door Station to test the connection.

VTO Config		
Network	Main VTO Name	Front Door
VTH Config	VTO IP Address	192.168.1.108
SIP Server	User Name	admin
VTO Config	Password	•••••
Search Device	Enable Status	On <input checked="" type="radio"/>
Default All	Sub_VTO1 Name	
Reset MSG	VTO IP Address	0.0.0.0
	User Name	admin
	Password	•••••
	Enable Status	<input checked="" type="radio"/> Off

Fig 5.10: VTO Config

5.2 Additional Procedure For 2-Button & 4-Button Door Station

When setting up a 2-button or 4-button Door Station, additional setup is required. The button on the Door Station needs to be assigned to a Indoor Monitor.

1. Log into the Door Station's web interface.
2. Select **Local Settings**.
3. Set the amount of buttons the Door Station has in the **Count** drop down list. (Fig 5.12)
4. For each button, click on the white box. Select the desired **room number** for that button from the list and click **Save**. Click **Confirm** to finish.



Fig 5.12: Facade Layout

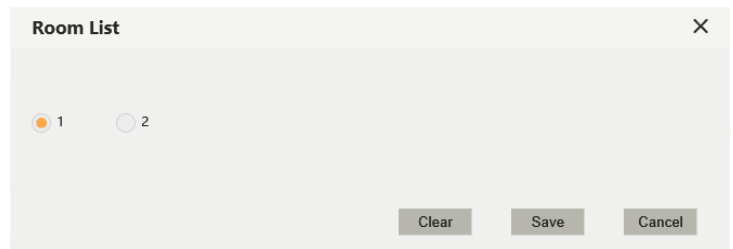


Fig 5.13: Room List

5.3 Group Calling Apartment Intercoms

When setting up monitors for group call (calling more than one Indoor Monitor at once), additional setup is required.

1. Log into the Door Station's web interface.
2. Select **Local Settings**, then **Basic**.
3. Turn on **Group Call**.
4. Reboot the Door Station.
5. Log back into the Door Station and select **Household Setting**, then **Room Number Management**.
6. Add the **Room Numbers** you wish to call in groups, (e.g. **1#0** & **1#1** is a group of 2 Indoor Monitors, which would both be called when dialing number 1. **2#0**, **2#1** & **2#2** is a group of 3 Indoor Monitors that would be called when dialing number 2.)
7. Set the room numbers of the Indoor Monitors by following [Section 4.2](#). Ensure that the room ending in #0 is setup as the master monitor.

5.4 Re-configuring an Existing Intercom for Use on the Network

On some occasions, you may need to change the IP addresses of the intercom devices to suit your local network to allow for remote access. This can happen if the intercom system was installed before the premises got connected to the Internet, or if the modem was replaced.

Before beginning, you need to know the username and password of the Door Station, and password of the Indoor Monitor. A Windows computer will be required.

1. Connect your Windows computer to the network switch/modem with a CAT5 cable.
2. Follow [Section 6.10](#) to find the IP addresses for the device.
3. Configure your computer to be in the same IP address range as the devices, see [How to Change your computers IP Address](#) for more information.
4. Open a **web browser** (Internet Explorer is recommended) and enter the IP address of the Door Station into the address bar.
5. You will be prompted to login with a username and password, enter the details and select **Login**.
6. Select the **Network Setting** button.
7. Modify the **IP Address, Subnet Mask and Gateway** to suit the local network. You may lose connection to the Door Station once the IP address has been changed. **Change the computer's IP address to be in the same range as the Door Station** (Refer to [Section 6.9.](#)) (Fig. 5.14)
8. On the Indoor Monitor press and hold down the **Settings** button - after 6 seconds, a prompt will appear. Enter your **password**, then select **OK**.
9. Select **Network** and set the **IP Address, Subnet Mask and Gateway** to suit your network.
10. Select **SIP Server** and enter the **Server IP**, which is the IP address of your Door Station, select OK.
11. Select **VTO Config**. In the **VTO IP Address** field, enter the IP address for the Door Station, and enter the username and password for the Door Station. Turn the **Enable Status** button **OFF then ON** to save the settings. Ensure it is **left in the ON position**.
12. If more then 1 Indoor Monitor and 1 Door Station need to be re-configured follow the steps above, then follow [Section 4.4, Steps 4 to 8, and Section 4.5 Steps 6 to 14](#)

The screenshot displays the 'WEB SERVICE.O' web interface with the 'Network Setting' tab selected. The interface is divided into three main sections: TCP/IP, Port, and P2P.

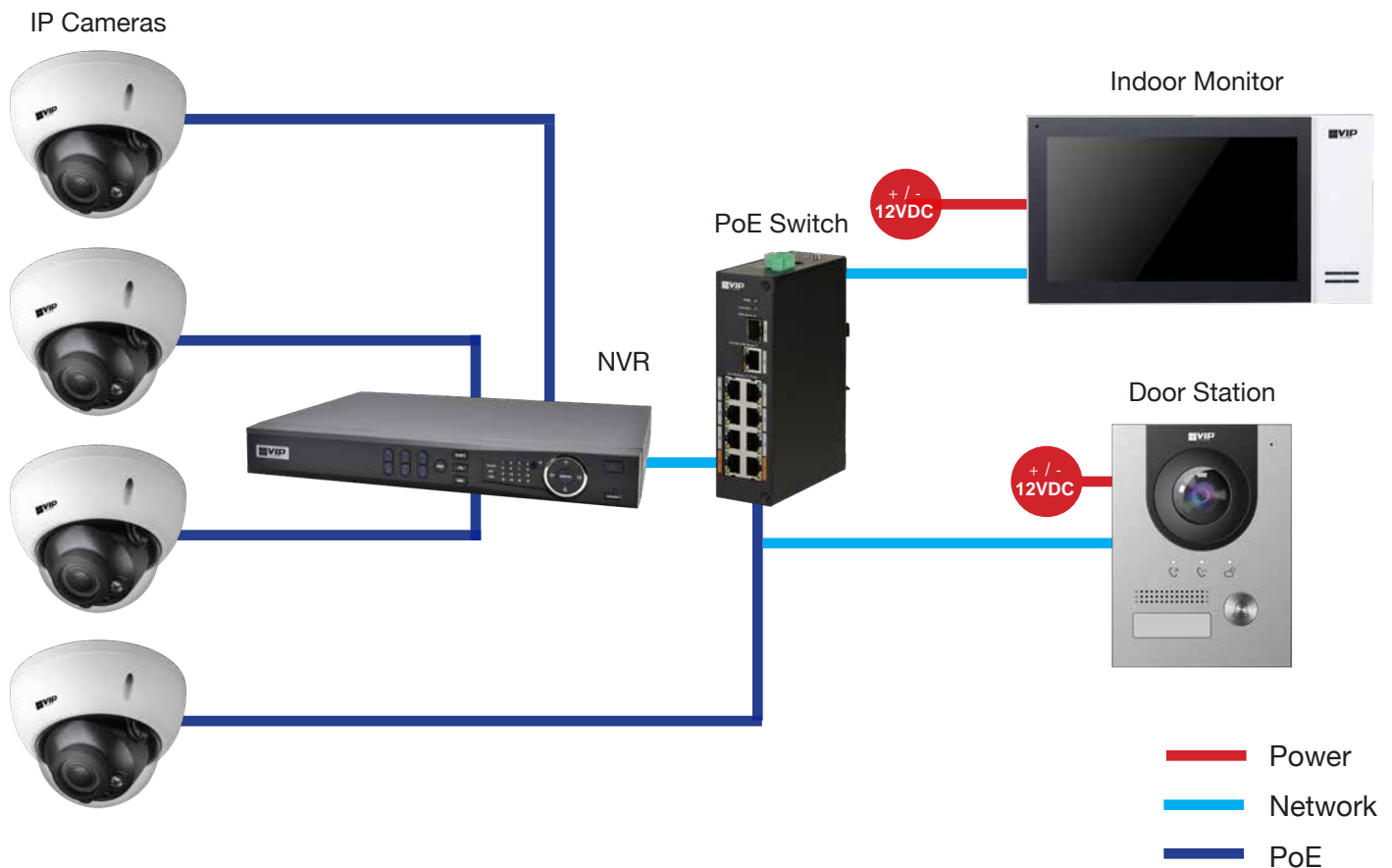
- TCP/IP Section:** Contains input fields for IP Address (192.168.1.108), Subnet Mask (255.255.255.0), Gateway (192.168.1.1), MAC Address (a0:b4:d4:46:c5:e8), Preferred DNS (8.8.8.8), and Alternate DNS (8.8.8.8).
- Port Section:** Contains input fields for Port (80) and HTTPS Port (443). There is an 'Enable' checkbox and a warning message: 'Warning: The device needs reboot after modifying the Port or HTTPS Port.' Below this are buttons for 'Create Server CERT' and 'Download Root CERT'.
- P2P Section:** Contains an 'Enable' checkbox (checked), a 'Status' dropdown (set to 'Online'), and a 'SN' field (50005G005G00). To the right is a 'QRCode' with a QR code image. A red warning message at the bottom states: 'To assist you in remotely managing your device, we need to collect device info such as IP address, device name, device SN, etc. All collected info is used only for the purposes of remote access. If you do not agree to enable the function above, please cancel the tick.'

Fig 5.13: Room List

6. Additional Configuration

6.1 Adding IP Cameras to an Indoor Monitor

You can add cameras that are connected to a NVR or to an external PoE switch to a Indoor Monitor for live viewing. The cameras extra stream must be set to 1MP resolution. The recorders local IP address must be on the same IP address range as the intercom. If you are adding cameras from an external PoE switch, they must be in the same IP address range as the intercom. Follow the below steps to add them to an Indoor Monitor.



1. On the Indoor Monitor select **Monitor** then **IPC**, and select **Add**.
2. Set a **Name** for the Camera. Enter the **IP address, Username and Password**. If the camera is connected to an NVR, it will be the details for the NVR. Otherwise, these will be the details of the Camera.
3. If you are adding an IP Camera **that is connected to a NVR**, tap on **IPC** and set it to **NVR**, then **enter the channel on the NVR** you would like to add. Otherwise, leave this option as **IPC** and **channel 1**.
4. Select **OK** to save.

To view the camera, select Monitor then IPC. 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.

Note: The intercom monitor cannot display cameras that have their image rotated 90°, or the substream set to H.265

6.2 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**, then **Camera**, then **Camera List**.
2. Select **Search Device**. The intercom Door Station will be listed with **VTO** in its Type name. (Fig 6.1)

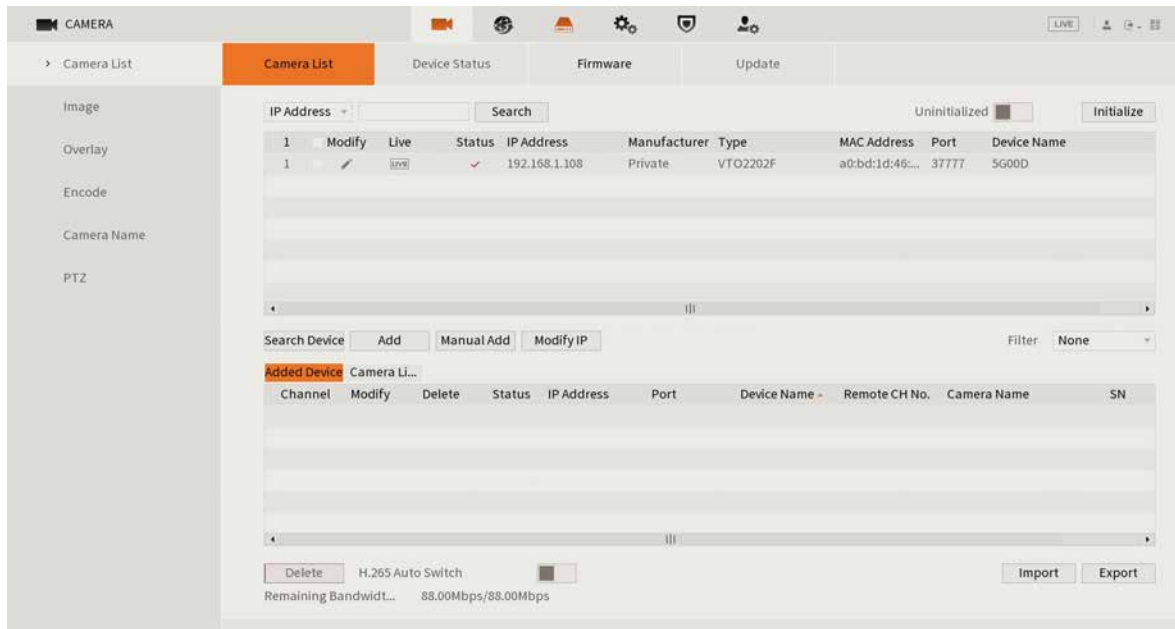


Fig 6.1: Camera List (Device Search)

3. **Tick the box** next to the IP address, then select **Add**. The Door Station will now be added to your VIP Vision NVR.
4. If not found in a device search, press **Manual Add** and enter the **IP address, username & password**. (Fig 6.2)

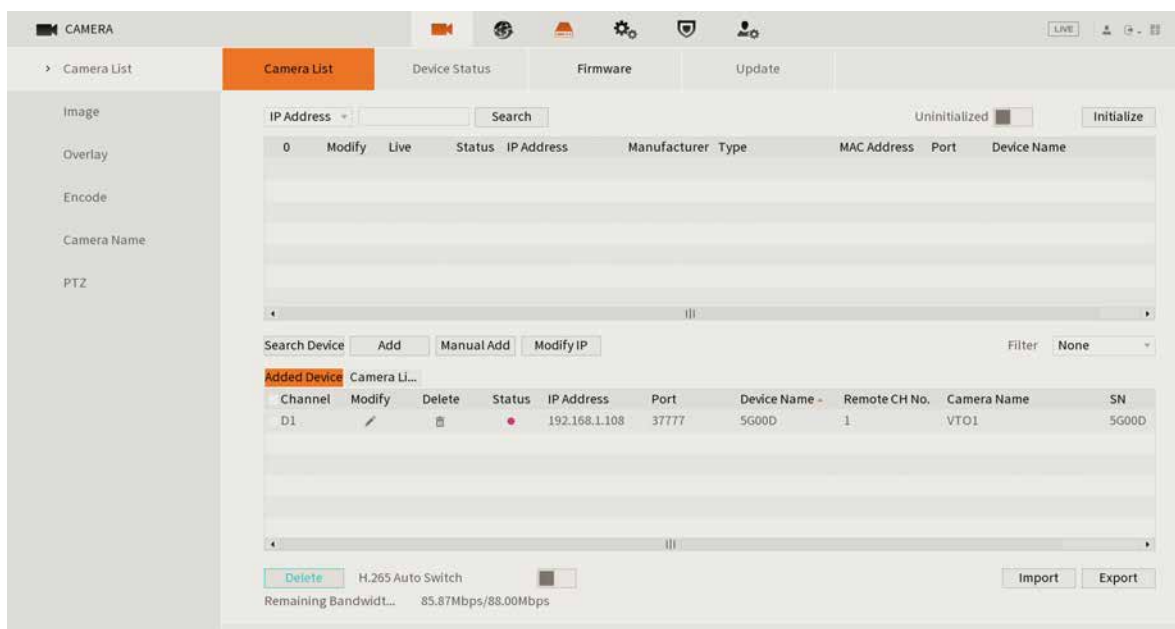



Fig 6.2: Camera List (Manual Add)

6.3 Issuing Cards (For Door Stations with a Built-In Card Reader)

Cards only need to be learnt into the master Door Station, any other Door Stations that are connected to the master, will also unlock when the card is swiped.

1. Configure your computer to be in the **same IP address range as the Door Station** (Refer to [Section 6.9.](#))
2. Open a **web browser** (Internet Explorer is recommended) and **enter the IP address for the Master Door Station** into the address bar.
3. Select **Household Settings** then **Room No. Management**. Select the Room No. you are going to issue the card to by selecting the  icon. (Fig 6.3)

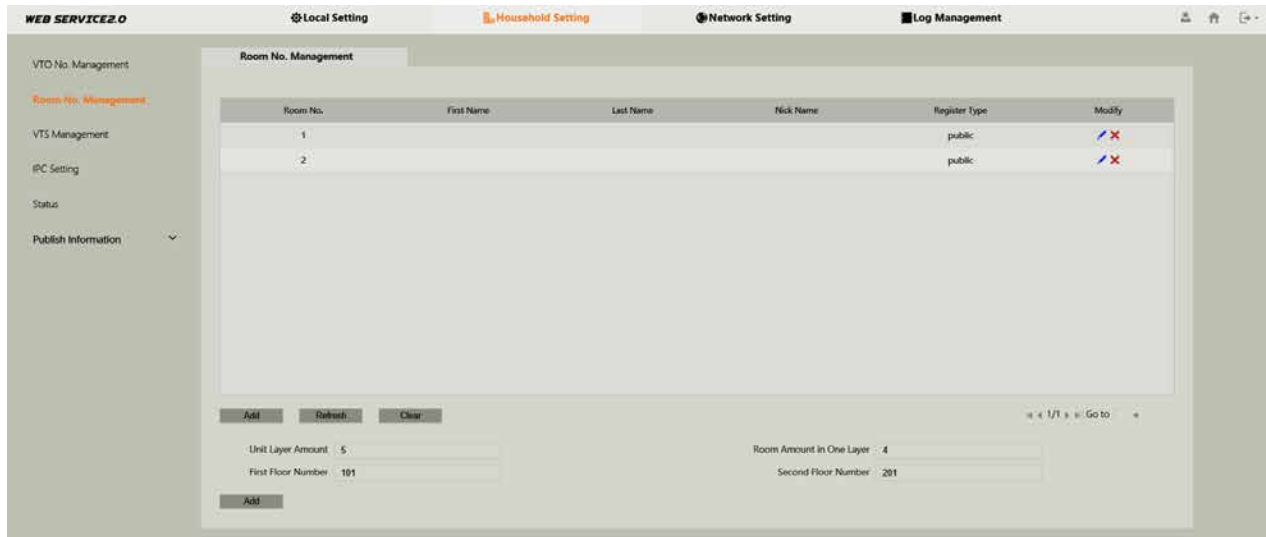



Fig 6.3: Room No. Management

4. Select **Issue Card**. You will have 120 seconds in total to scan cards at the Door Station. The Door Station will beep once when it detects the card.
5. A pop-up box will appear. Enter a **username** for the card (e.g. *John*), then select **Save**. (Fig 6.4)
6. If you have more cards to learn in for this user, scan the next card and repeat step 5. If you have the option, select which door you would like the code to open, Door 1 being the relay on the back of the Door Station, and Door 2 is the relay on the INTIPDM. Select **Confirm Send Card**, select **Save**.

To delete a card, select the  icon next to the user that you wish to delete the cards from. Press the X Icon next to the card you want to delete. Select save. (Fig 6.5)

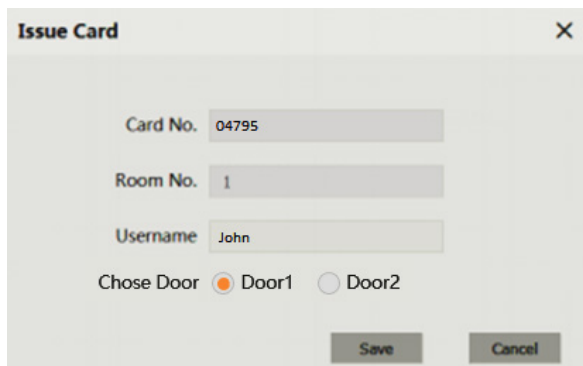


Fig 6.4: Issue Card

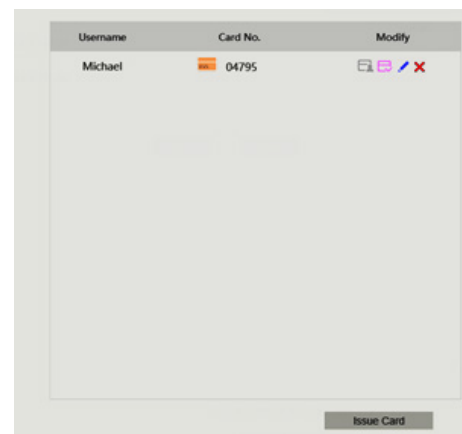


Fig 6.5: Delete Card

6.4 Adding Entry Codes (For Door Stations with a Built-In Keypad)

Unlike cards, entry codes are stored independently on each Door Station. If you have more than one Door Station, you need to set the entry code on each Door Station.

To add an entry code:

1. Configure your computer to be in the **same IP address range as the Door Station** (Refer to [Section 6.9.](#))
2. Open a **web browser** (Internet Explorer is recommended) and **enter the IP address for the Master Door Station** into the address bar.
3. Select **Local Settings, Access Control, then Password Manager**. (Fig 6.6)

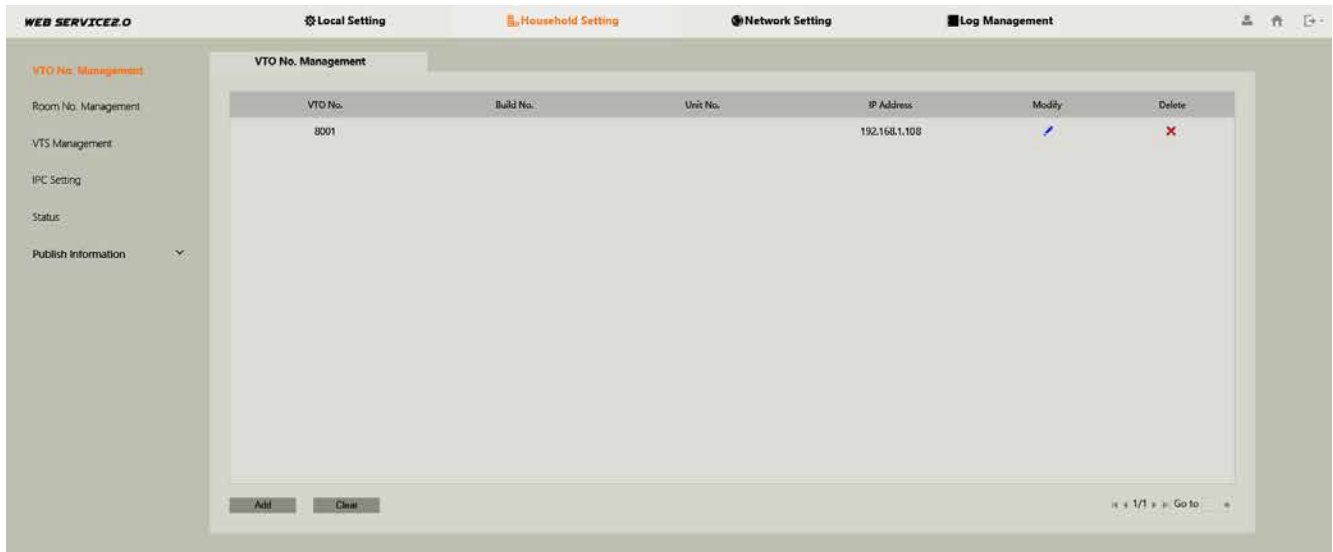


Fig 6.6: Password Manager

4. Select the **Add** button. Enter a username and password. (E.g. Username: John, Password: 384167. The password must be 6 digits long. If you have the option, select which door you would like the code to open, Door 1 being the relay on the back of the Door Station, and Door 2 is the relay on the INTIPDM. (Fig 6.7)

The 'Add Password' dialog box has a title bar with a close button (X). It contains the following fields and controls:

- 'Username' field with the text 'John'.
- 'Password' field with the text '384167' and a toggle icon (eye) to the right.
- 'Chose Door' section with two radio buttons: 'Door1' (which is selected) and 'Door2'.
- 'Save' and 'Cancel' buttons at the bottom right.

Fig 6.7: Add Password

5. Select **Save**.

To unlock the door via keypad code, type **# <User Code> #** (E.g. #384167#)

6.5 Setting Time & Date

The Master Door Station will push its time & date settings to each Indoor Monitor and Door Station connected to it. However, if you wish to set DST or an NTP server it must be set for each Door Station.

1. Configure your computer to be in **the same IP address range as the Door Station** (Refer to [Section 6.9](#))
2. Open a **web browser** (Internet Explorer is recommended) and **enter the IP address for the Door Station** into the address bar.
3. Select **Local Setting** then **System**.
4. Press **Sync PC** to set the time & date to those of your computer. Set the **desired DST & NTP**, then select **Save**. It will take a few minutes for the monitors time and date settings to sync with the Door Station. (Fig 6.8)



Fig 6.8: System menu

6.6 Changing Door Station Video & Audio Settings

Depending on where the Door Station is installed, you may be required to adjust the audio and/or video settings.

1. Configure your computer to be in the **same IP address range as the Door Station** (Refer to [Section 6.9](#).)
2. Open a **web browser** (Internet Explorer is recommended) and **enter the IP address for the Door Station** into the address bar.
3. Select **Local Setting**, then **Video & Audio**.
4. Adjust the Video and Audio Settings to suit the installation environment. (Fig 6.9)

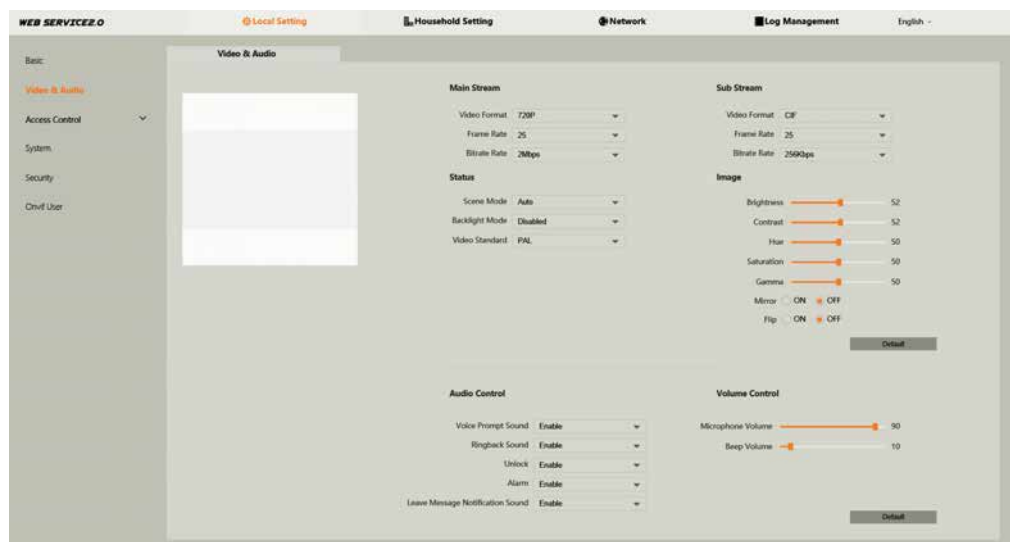


Fig 6.9: Add Password

6.7 Door Station Latch Timing

If a door latch or gate is connected to the Door Station, it may be necessary to adjust the how long the latch is held open for, and how long between unlock triggers.

1. Configure your computer to be in the **same IP address range as the Door Station** (Refer to [Section 6.9](#)).
2. Open a **web browser** (Internet Explorer is recommended) and **enter the IP address for the Door Station** into the address bar.
3. Login to the Door Station using the **username** (*admin*) and **password**.
4. Select **Local Setting**, then **Access Control**, then **Local**.
5. Adjust the values to suit the device you are triggering, then select **Save**. (Fig 6.10)
 - Unlock Responding Interval – Time between unlock triggers
 - Unlock Period – How long the relay is triggered for

Fig 6.10: Add Password

6.8 Adjusting Monitor Audio Settings

Depending on where the Indoor Monitor is installed, you may be required to adjust the audio settings. In the general settings menu, you can adjust the ring settings of the Indoor Monitor.

1. Press the **Settings** button. A prompt will appear. Enter the general settings **password** (123456)
2. In the **Ring** menu, you can adjust volume settings to suit the installation environment. (Fig 6.11)

Ring Settings				
Ring	VTO Ring	VTH Ring	Alarm Ring	Other
DND	VTO Ring Time(s)		VTH Ring Time(s)	
Alarm	<input type="text" value="30"/>		<input type="text" value="30"/>	
Mode	MIC Volume		Talk Volume	
Forward	<input type="text" value="-"/>	<input type="text" value="95"/>	<input type="text" value="+"/>	<input type="text" value="-"/>
General	Ring Mute		<input type="text" value="X OFF"/>	
Product Info				

Fig 6.11: Add Password

6.9 Changing the IP Address of a Windows Computer

1. Open **Settings**.
2. Select **Network & Internet**. (Fig 6.12)
3. Select **Status**.
4. Select **Change Adapter Options**. (Fig 6.13)

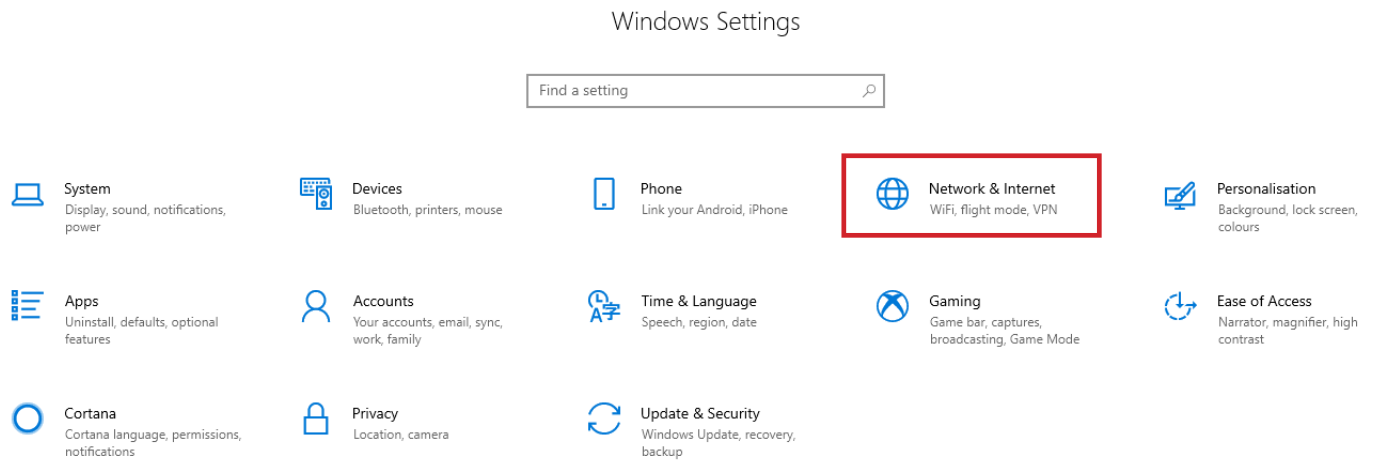


Fig 6.12: Settings

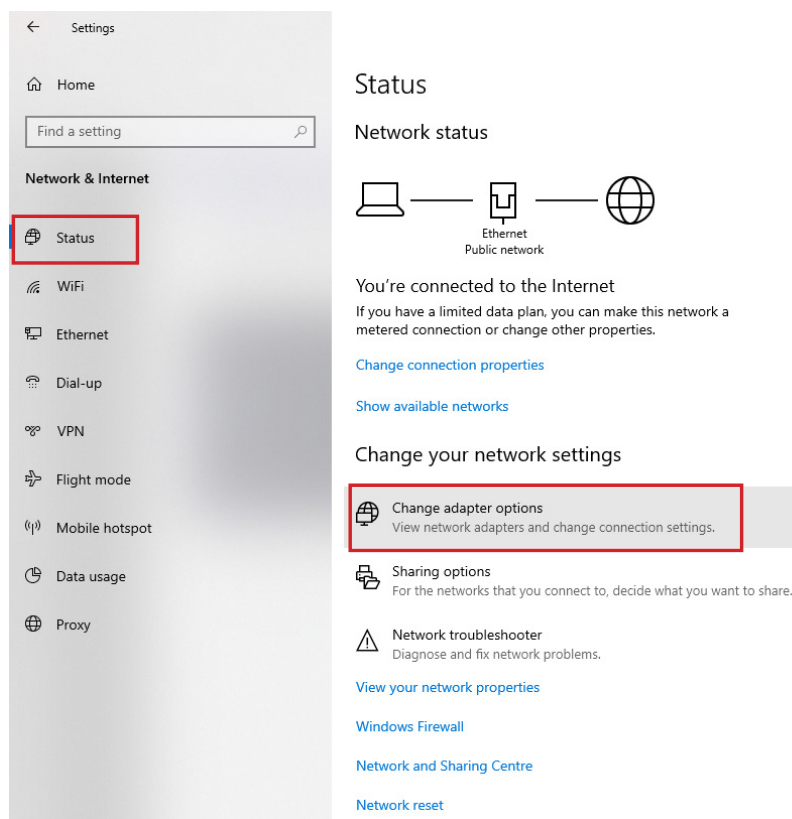


Fig 6.13: Status

Continued on next page →

6.9 Changing Computer IP Address (Cont.)

5. **Right-click** the network adapter you want to prioritise (if using a CAT5/6 cable it is likely called Ethernet or Local Area Connection), and select **Properties**. (Fig 6.14)
6. Select the **Internet Protocol Version 4 (TCP/IPv4)** item. (Fig 6.15)
7. Click **Use the following IP address** and enter an IP address in the same range as the device you are trying to access. (E.g when trying to access 192.168.1.108 use a IP address in the 192.168.1.x range.) **Note:** This cannot be the same as the device you are trying to connect to or any other device on the same network. **Save** your changes on both windows. (Fig 6.16)
8. **Type the IP address** of the device you are trying to access into the **address bar of your web browser**.
9. Once finished configuring the intercom system, **change the adapter settings back to normal** by following steps 1-6 and clicking **Obtain an IP address automatically**.

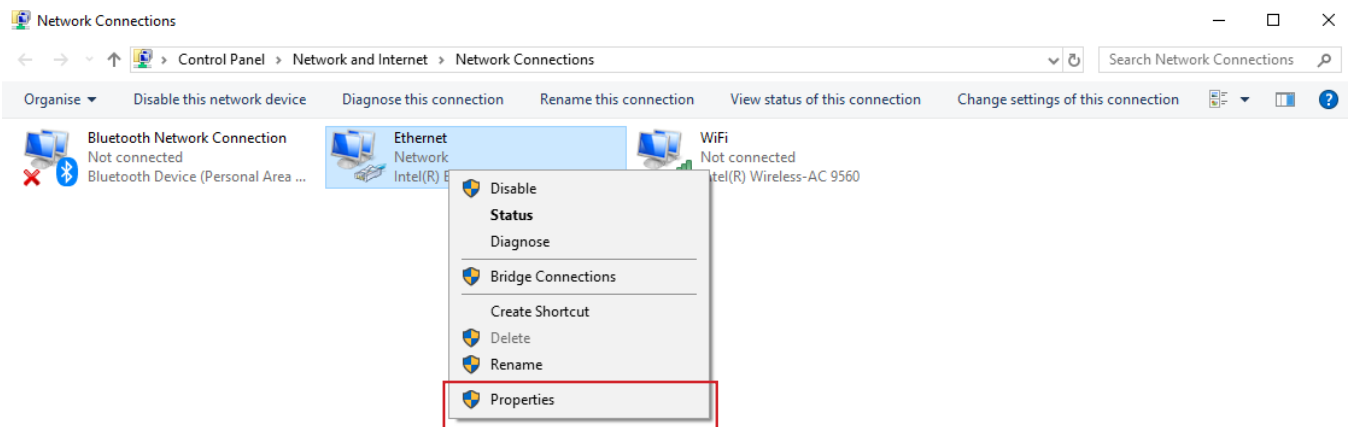


Fig 6.14: Network Connections

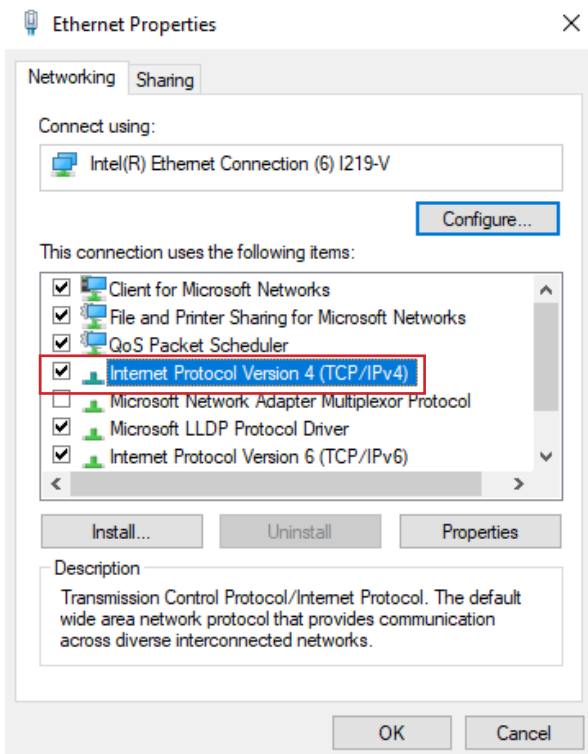


Fig 6.15: Ethernet Properties

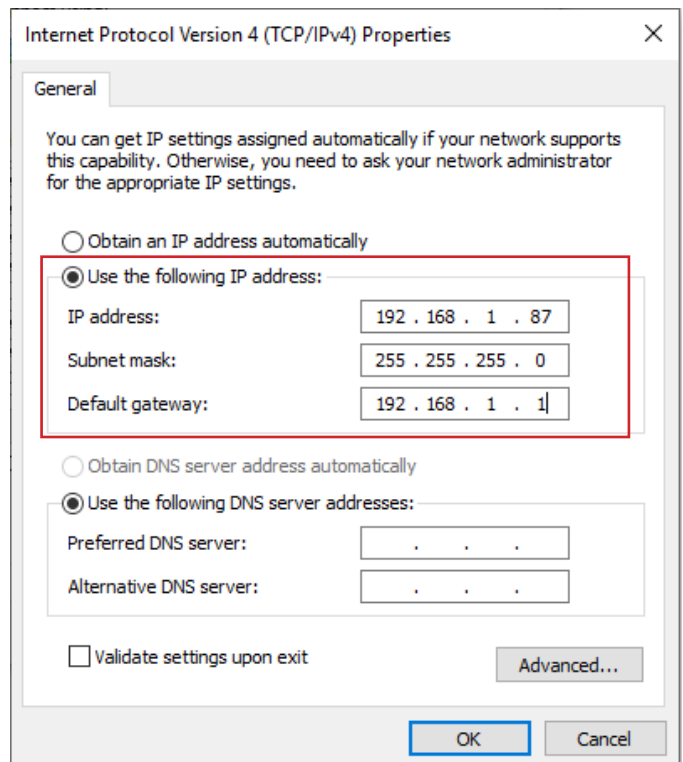
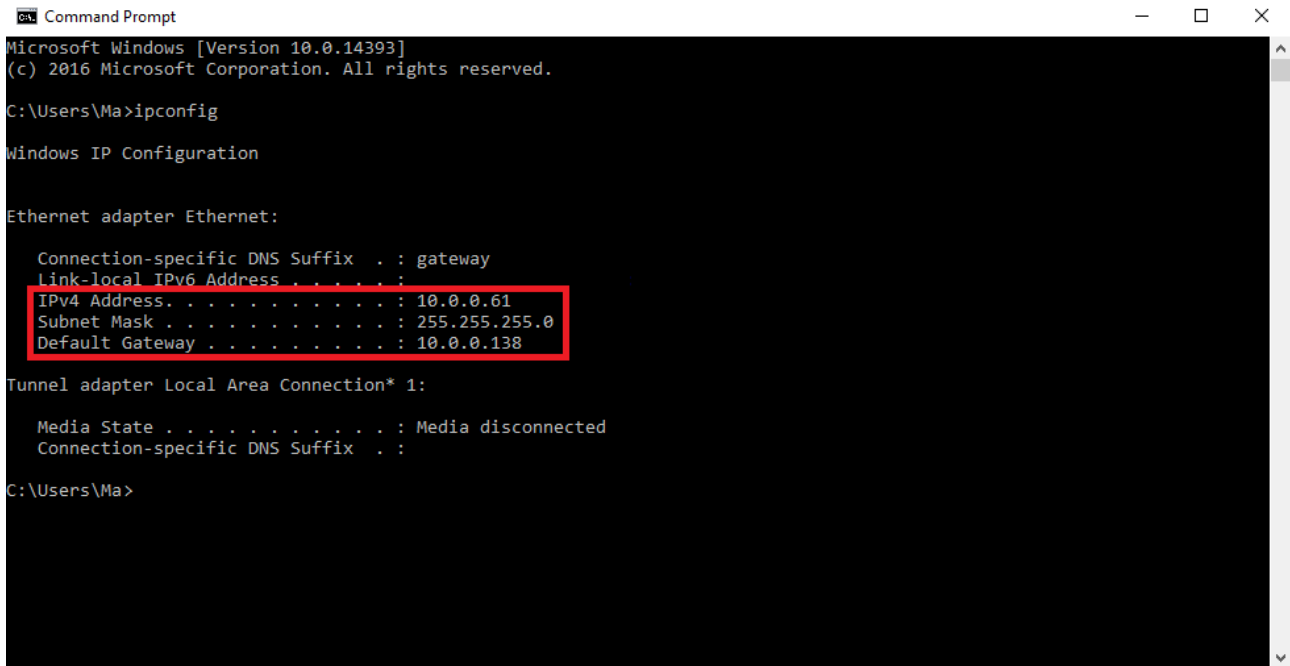


Fig 6.16: IPv4 Properties

6.10 Finding Available IP Addresses

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 available IP addresses to use for the Intercom. If the intercom devices are being installed on a business or managed network, contact an IT representative for assistance.

1. Connect a Windows PC, open the **Start menu** and type **cmd**.
2. Launch the **Command Prompt** program.
3. Once it opens, enter the command **ipconfig**. Note down the IP address, subnet mask default gateway. (Fig 6.17)



```
Command Prompt
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Ma>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : gateway
    Link-local IPv6 Address . . . . . : 
    IPv4 Address. . . . . : 10.0.0.61
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.0.0.138

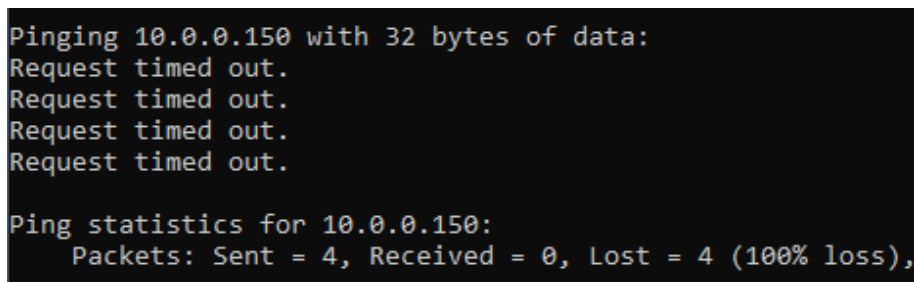
Tunnel adapter Local Area Connection* 1:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

C:\Users\Ma>
```

Fig 6.17: Command Prompt

4. In our example, the IP address is 10.0.0.61. To check what IP address is available, type **ping 10.0.0.XXX**, where XXX is any number between 2 and 254. If **Destination host unreachable** or **Request timed out** is show on screen, there is no device using that IP address. Repeat the process to find multiple IP addresses that are available for use. Every intercom devices requires one IP address. (Fig 6.18)



```
Pinging 10.0.0.150 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 10.0.0.150:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Fig 6.18: Ping Response

5. When configuring the intercom devices, use the IP addresses that you have found that are available, making sure each device has a unique IP address. The Subnet Mask and Default Gateway, will be set the same on each intercom device.

6.11 Using Config Tool to Find & Initialise Devices on a Windows Computer

In an existing installation, the simplest way of finding out the intercom devices' IP address, is by scanning with the **VDP Config Tool**.

1. Download the **VDP Config Tool** from <http://help.c5k.info/vdptool>
2. Extract the file & open **VDPCongfig.exe**. If prompted, allow the software through your firewall.
3. Press the **Search** button. If any devices on the network are found, they will be listed on this page. (Fig. 6.19)
4. To search in an additional IP range, click **Search Setting**, tick **Other Segment Search** and fill in your desired IP range.

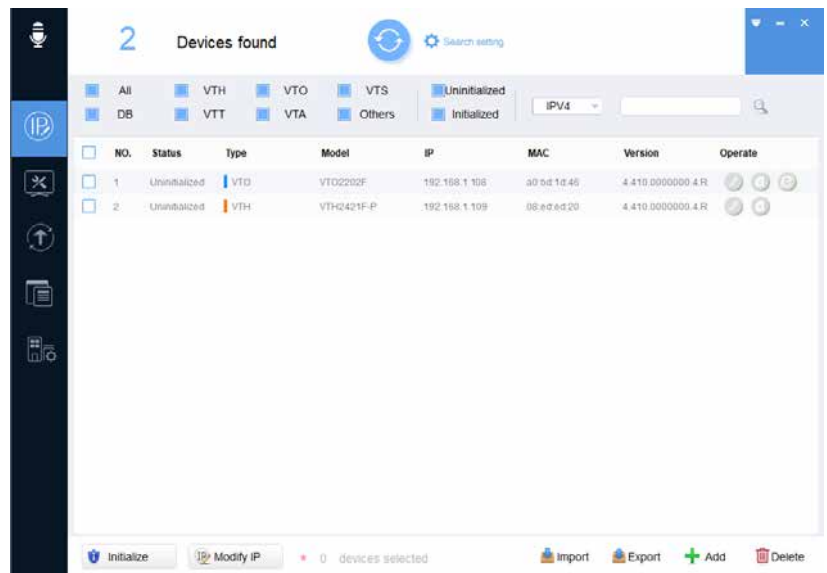


Fig 6.19: Device Search

6.12 Initialising Devices With Config Tool

When setting up multiple intercom devices for use in an apartment, it is quicker to initialise them with the VDP Config Tool. **Uninitialised** means the intercom has not been configured with a password. **Initialised** means the intercom has been configured with a password.

1. **Check the box** next to the device(s) you would like to initialise, then **Initialise**. A box will appear.
2. Enter a **password and email address** then select **Initialise**. (Fig 6.20)
3. **Uncheck** the **Automatic Update function** and select **OK**.
4. An error may appear stating Automatic Detection Failed, **ignore this** and press **Complete**. (Fig 6.21)
5. Press the **Refresh button**. The device will now be initialised.

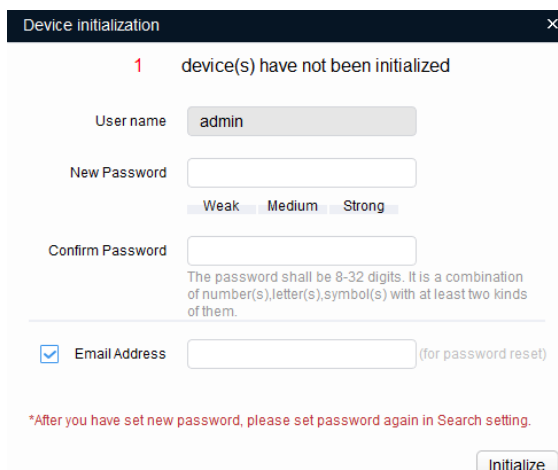


Fig 6.20: Enter Details

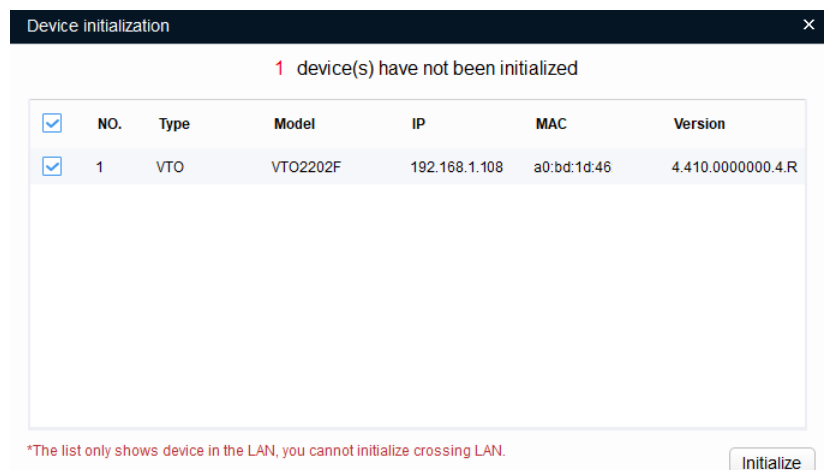


Fig 6.21: Initialisation Complete

6.13 Modify Device IP Addresses with VDP Config Tool

When setting up multiple intercom devices, it is quicker to change the local IP address of the device with the **VDP Config Tool**.

1. Press the **Search Settings** button and enter the password of the device(s) you wish to modify. (Fig 6.22)

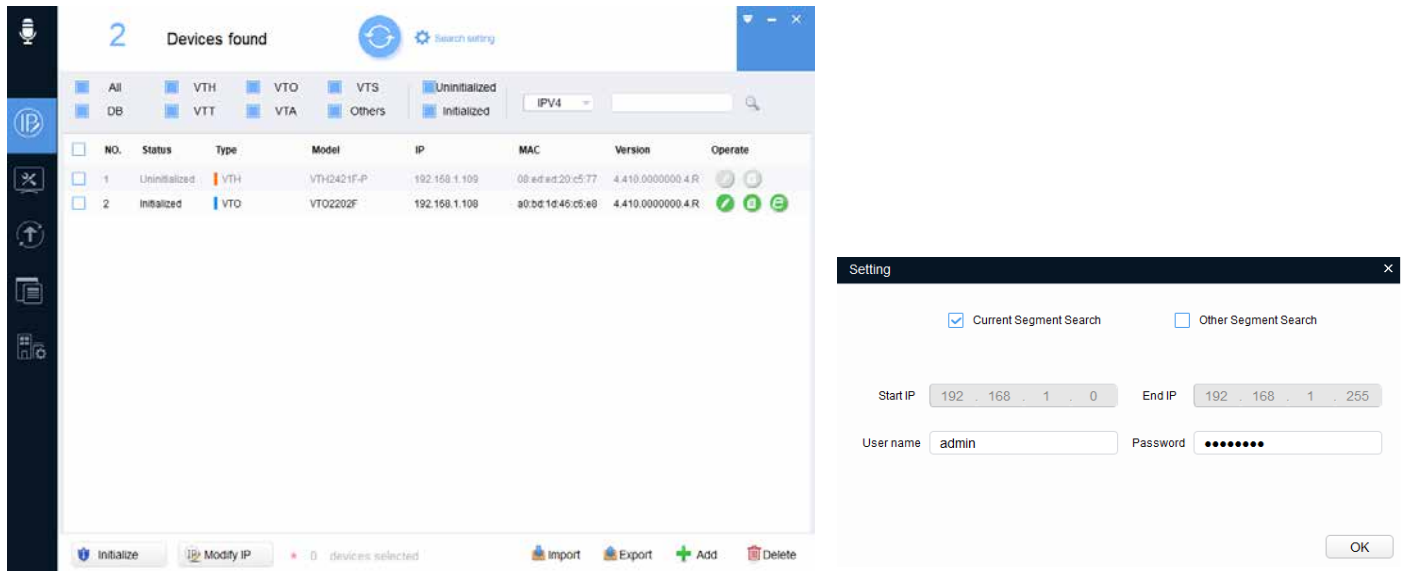


Fig 6.22: Device Search

2. **Check the box** next to the device you wish to modify, then select **Modify IP**.
3. Enter the **IP address, subnet mask, and gateway**, then select **OK**. (Fig 6.23)
4. Your device will now reboot, and its IP address will be updated.

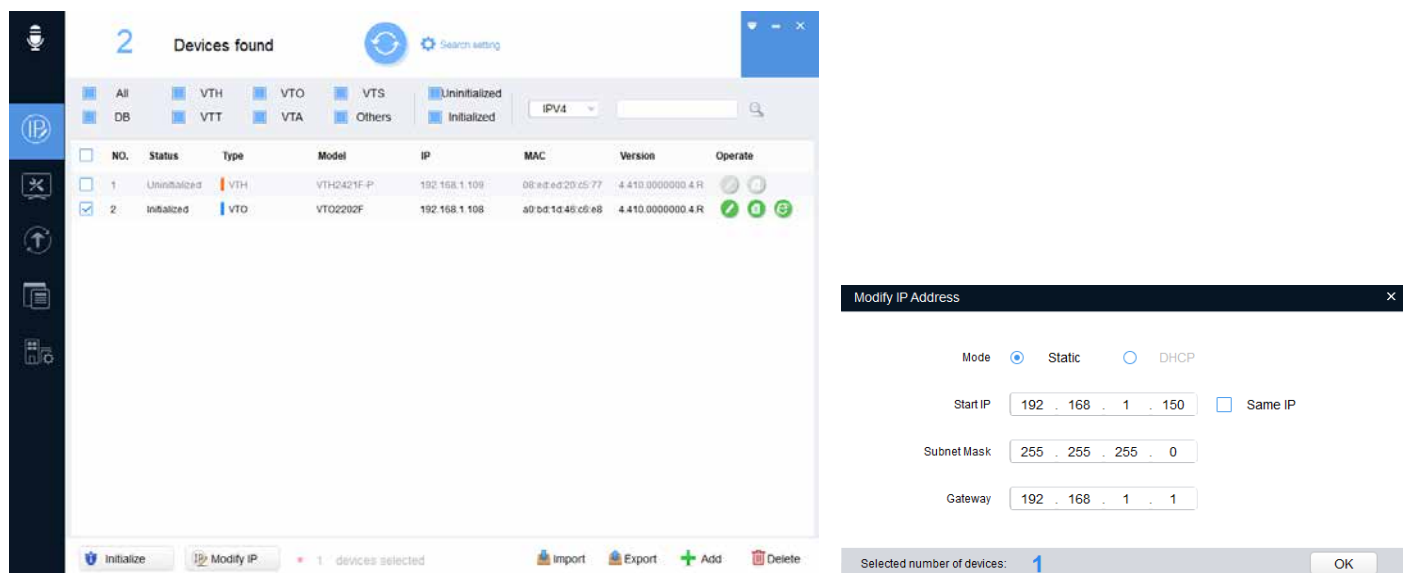


Fig 6.23: Modify IP Address

7. Mobile App

7.1 Remote Access for Residential Systems

The mobile application is called DMSS and is available for both iOS and Android.

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. Configure your computer to be in the **same IP address range as the Door Station** (Refer to **6.9 How to Change Your Computers IP Address** for more information.)
2. Open a **web browser** (Internet Explorer is recommended) and **enter the IP address for the Door Station** into the address bar.
3. Once logged in, go to **Network Setting -> Basic**. Select the **Enable** box, then select **Save**. (Fig 7.1)

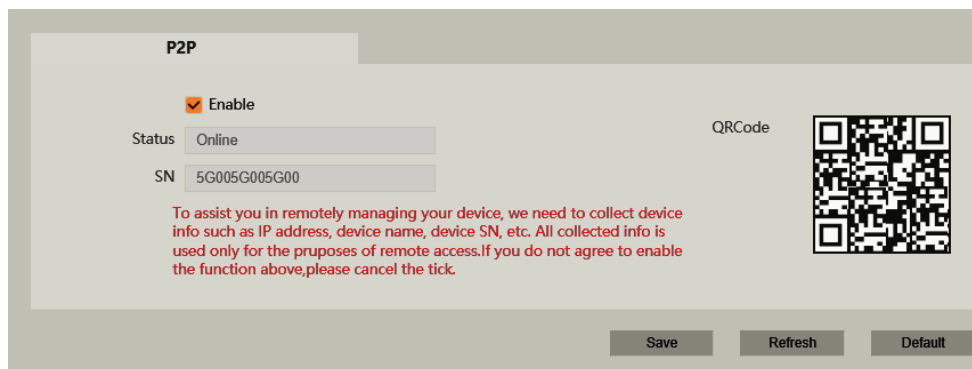


Fig 7.1: SN/Scan

4. After waiting 2 minutes, press the **refresh** button. **The Status should display Online.**
5. Open the mobile application. Select the **+** icon in the top left corner of the Home page. From this menu, select **SN/Scan**. (Fig 7.2)
6. Use your phone to **scan the QR code** on your PC.
7. Select the type of device you're adding to your phone, **VTO**. (Fig 7.3)
8. Set a **name** the device that you're adding (e.g. *Front Door*).
9. Enter the **password** used for accessing the Doorbell (e.g. *admin123*).
10. Once all your details have been entered correctly, select the **Save** icon in the top right corner. The display for your front door will be brought up.
11. You have now successfully connected your VIP Residential IP Intercom for remote access.

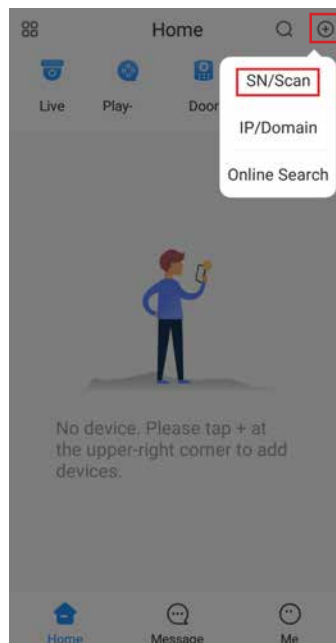


Fig 7.2: SN/Scan

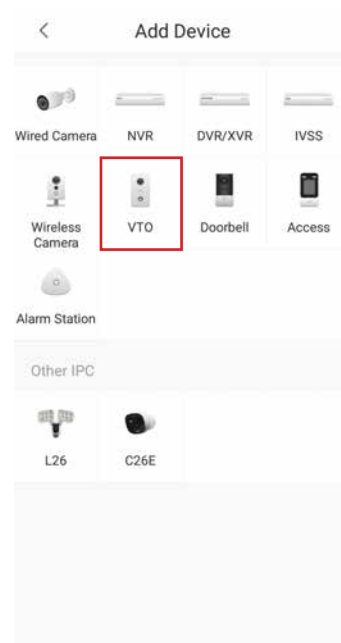


Fig 7.3: Add Device

7.2 Push Notifications

When the Door Station is pressed, you can get a notification to your phone using the DMSS application. Before beginning, follow the steps in [Section 7.1](#).

1. Open the mobile application, then select the **Home icon** in the top left corner.
2. Select **Device Details**, then select **Notification**.
3. Turn the function to **ON**. (Fig 7.4)



Fig 7.4: Enabling Push Notifications

7.3 Apartment Intercom Remote Access

If using the **INTIPDDS2** or **INTIPDDS4**, remote access is possible by following the steps below. If using the **INTIPADSD**, this model has no function for remote access.

1. Configure your computer to be in **the same IP address range as the Door Station** (Refer to [Section 6.9](#).)
2. Open a **web browser** (Internet Explorer is recommended) and **enter the IP address for the Door Station** into the address bar.
3. Select **Household Settings** then **Room No. Management**. Select the **QR code** for the particular Indoor Monitor you would like to receive notifications for. (Fig 7.5)

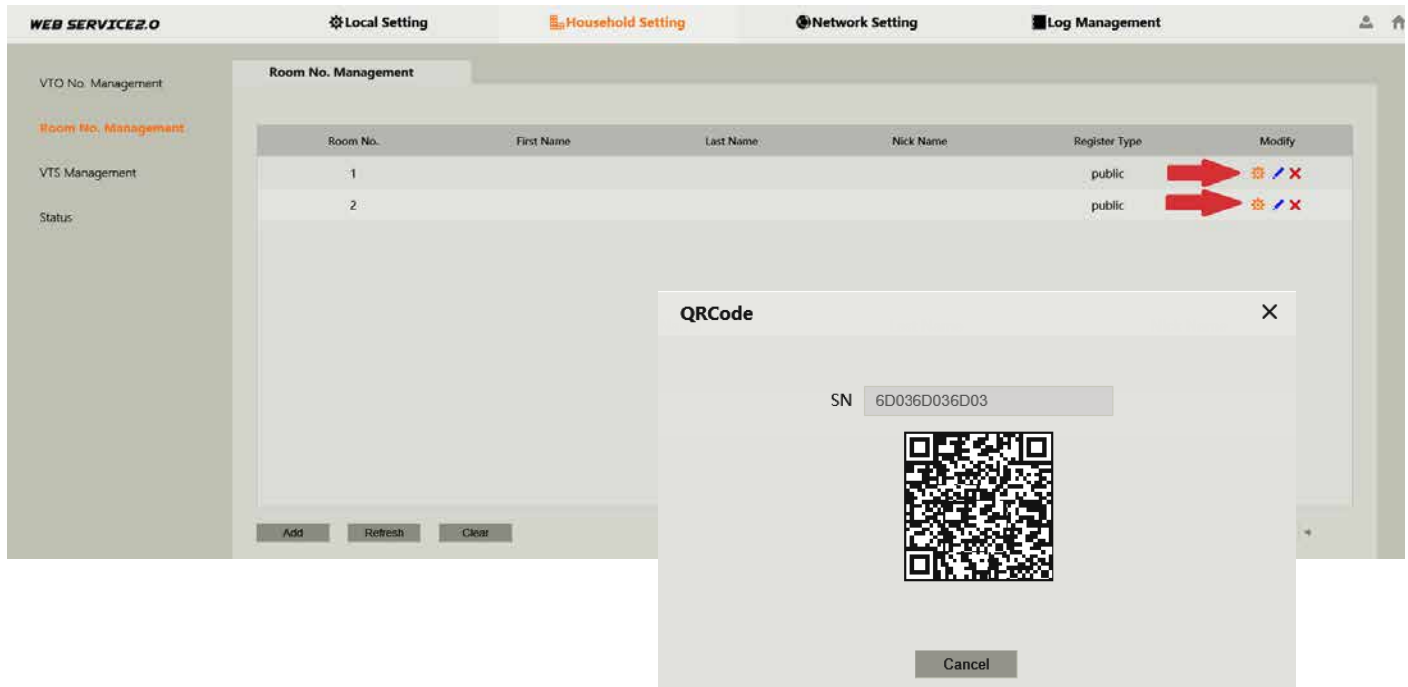


Fig 7.5: Intercom QR Code

4. Follow [Section 7.1 Steps 6 to 14](#).

8. Using the Intercom System

8.1 Making and Answering Calls

After the installation and configuration is complete, you can simply press the call button on the Door Station to call the Indoor Monitor/s.

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



Fig 8.1: Answering Call

8.2 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 the call is not answered. This function is **off by default**. To turn it on, on the Indoor Monitor, press the **Settings** button, then enter the **password** (123456) to access the Basic Settings. Select **General** then **Other**. Turn the **AutoCapture** function to **ON**.

8.3 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**.

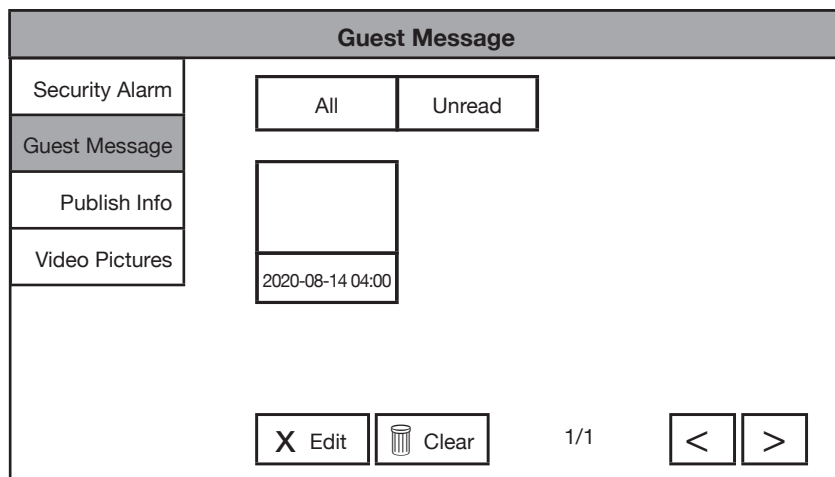


Fig 8.2: Guest Messages

8.4 Calling Between Indoor Monitors

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

On the Indoor Monitor select **Call** then **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** or **#0**.


Call User			
Recent Call	<input type="text"/>		
Contact	<input type="text"/>		
Call User	<input type="text"/>		
<div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>ABC</div> <div>0</div> <div>*</div> <div>#</div> <div>  </div> </div>			

Fig 8.3: Call User

8.5 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 select **Call** then **Contact**.
2. Select the **Add** button.
3. Enter in a name for the room, and the room number, e.g. **9901#1**, then press the **OK** button.
4. The device will now be added to the favourites list. Select the name and then press the **Call** button.

Contact	
Recent Call	
Contact	
Call User	

+ Add X Edit

Fig 8.4: Contacts

9. Troubleshooting

This concludes the Quick Start Guide covering the basic functionality of your intercom system. Should you encounter any difficulties with your setting up and using your system, please first refer to the Information below.

Factory Reset Intercom Devices

If the intercom is being moved from one site to another and you wish to setup the intercom using One-key config, the intercom devices must be factory reset. If your device is not listed below, visit help.c5k.info for more specific device details.

INTIPMONGB & INTIPMONGW

1. Power up the monitor and wait until it has booted to the home screen.
2. Remove the monitor from the wall, while leaving it powered on.
3. Using a thin object such as a paper clip, press and hold the reset button on the back of the monitor for 10 seconds, the monitor will reboot, and it will be factory reset.

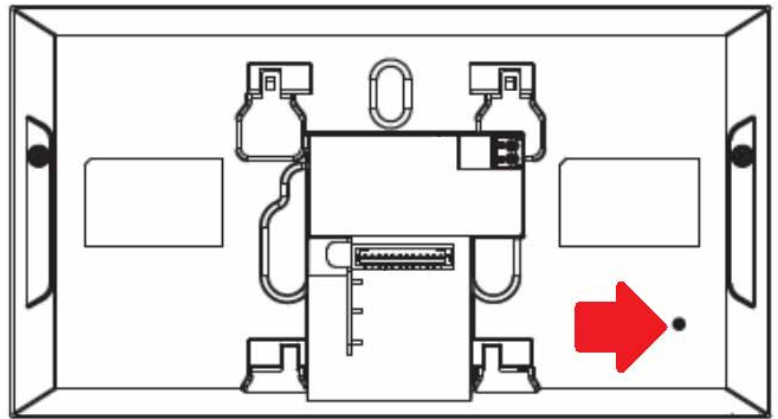


Fig 9.1: INTIPMONGB & INTIPMONGW factory reset

INTIPRDSG

1. Power up the Door Station and wait until it has booted.
2. Remove the Door Station from the wall by removing the 2 screws on the bottom, while leaving it powered on. The tamper alarm will trigger, wait until the sound stops.
3. Remove the rubber cover on the side of the Door Station.
4. Using a thin object such as a paper clip, press and hold the reset button until you hear a single beep sound. The Door Station will reboot, and it will be factory reset. The tamper alarm will trigger when the Door Station boots up, as it is not mounted to the wall.

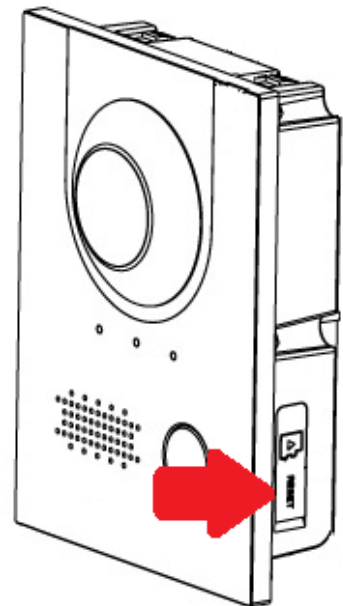


Fig 9.2: INTIPRDSG factory reset

9. Troubleshooting (cont.)

INTIPADSD

1. Power up the Door Station and wait until it has booted.
2. Remove the Door Station from the wall by removing the 2 screws on the bottom, while leaving it powered on. The tamper alarm will trigger, wait until the sound stops.
3. Using a thin object such as a paper clip, press and hold the reset button for 10 seconds, then release the button. The Door Station will reboot, and it will be factory reset. The tamper alarm will trigger when the Door Station boots up, as it is not mounted to the wall.

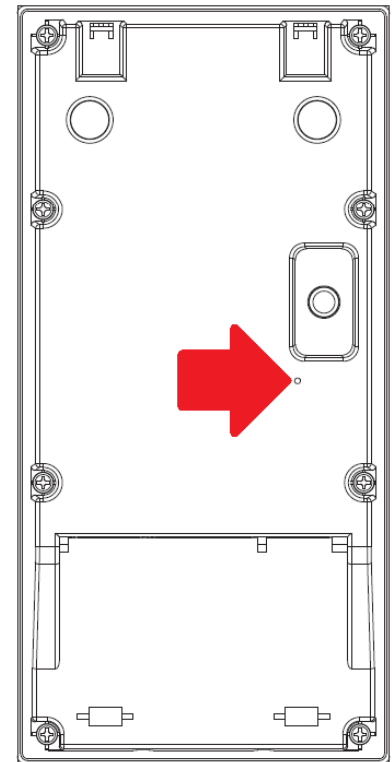



Fig 9.3: INTIPADSD factory reset

Problem	Troubleshooting
Second monitor can't see Door Station in monitor menu	<ul style="list-style-type: none">• Ensure the enable status is set to on in VTO Config.
Multiple Door Stations have the same name and/or IP address	<ul style="list-style-type: none">• 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 VTO Config page.• Reboot all devices.
Can monitor and unlock the Door Station, but cannot call it from the Indoor Monitor.	<ul style="list-style-type: none">• Check the SIP server settings are correct, and the register password is 123456.
Indoor Monitor rings, but unable to unlock or live view the Door Station.	<ul style="list-style-type: none">• Check the VTO Config page and ensure the IP address, username and password are correct

9. Troubleshooting (cont.)

Problem	Troubleshooting
The Door Station is not calling the Indoor Monitor.	<ul style="list-style-type: none"> Restart all intercom devices. Allow up to 10 minutes for the devices to connect. If using an apartment intercom, ensure you are dialing the correct room number. If using a 2 or 4 button Door Station, ensure that the room number has been assigned to a button in the “Local Setting” page.
Monitor not ringing when the Door Station is pressed, but can call from the monitor to the Door Station	<ul style="list-style-type: none"> Update the room number in Local -> Basic -> Villa Call No.
The Door Station calls the monitor, but doesn't unlock.	<ul style="list-style-type: none"> On the “VTO Config” page on the monitor, ensure the password is entered correctly.
One-Key configuration fails	<ul style="list-style-type: none"> Check IP address details are entered correctly. Ensure that the Indoor Monitor and Door Station have the default IP address set. Door Station 192.168.1.108, Indoor Monitor 192.168.1.109. Default the devices and try again. Alternatively, follow the “Manual Configuration” guide.
More than one Indoor Monitor installed, but only the master is calling.	<ul style="list-style-type: none"> Ensure the room number on the extension monitors is set correctly, and the “Master IP” and “Master Pwd” that is entered is the IP address and password of the master Indoor Monitor. If the  icon is shown, check the settings on the Indoor Monitor are correct (see Section 4.3).
Second monitor not ringing	<ul style="list-style-type: none"> Connect to the Door Stations web interface, and ensure group call is enabled, in the Local settings -> Basic menu.
The Door Station / monitor is not turning on. Unable to connect to the Door Station	<ul style="list-style-type: none"> Check the device is receiving 12V or PoE. Ensure the power supply meets or exceeds the current rating for the device you are powering. Check that the cable is terminated correctly to TIA-568A or TIA-568B standard.
The Door Station rings the monitor, but when the monitor answers the call, the Door Station drops connection. (When powered with 12V)	<ul style="list-style-type: none"> Check power to the Door Station, ensure the Door Station is receiving 12V under load, and the correct amperage power supply is being used.
Electric gate motor opens randomly when connect to the Door Station	<ul style="list-style-type: none"> Wire a relay in between the Door Station and gate motor – diagram on page 11.
Intercom says “Cannot find Network Host” on NVR Can't find the Door Station in when performing a device search in Camera Registration/Remote on NVR	<ul style="list-style-type: none"> Ensure that the IP address, subnet mask and default gateway of the Door Station and NVR are in the same IP address range. Ensure the Door Station is connected via the LAN port, NOT one of the PoE ports.
Can't connect to Door Station with DMSS app	<ul style="list-style-type: none"> Ensure P2P is enabled in the web interface & the Door Station is powered on. Set DNS address of Door Station to the gateway IP. Ensure the Time & Date is set correctly on the Door Station.
Door Station makes an alarm sound when it is turned on	<ul style="list-style-type: none"> Check that the tamper switch is fully depressed when the Door Station is mounted.



For detailed technical support and software downloads,
visit our Help Centre at: help.c5k.info

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