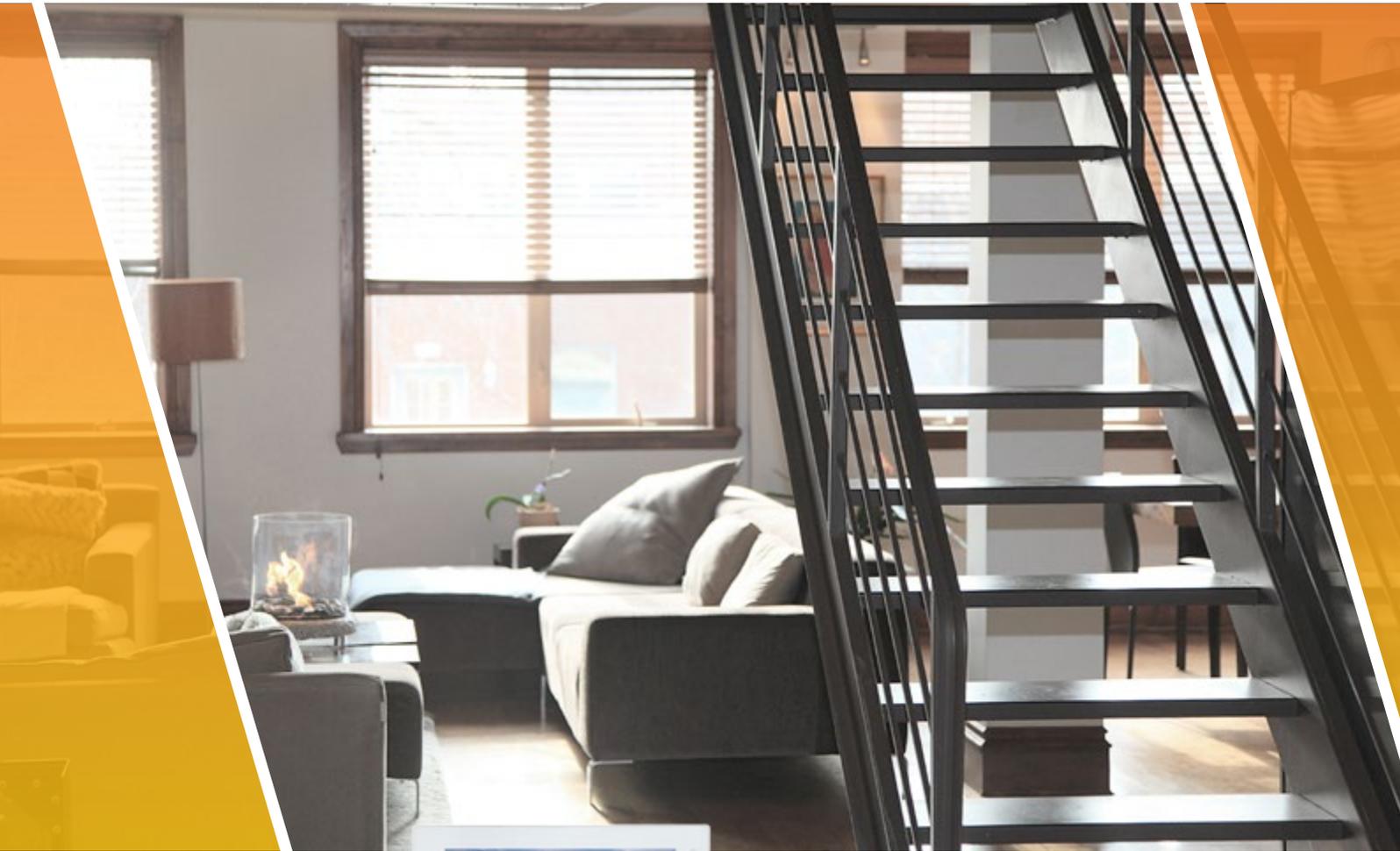


OCTOBER 2018



# VIDEO DOOR ENTRY

## Quick Installation Guide

**dahua**  
TECHNOLOGY

Official UK distribution partner

**COP UK**<sup>®</sup>

tel: +44 (0)1457 874 999 | fax: +44 (0)1457 829 201 | email: sales@cop-eu.com | web: www.cop-eu.com

# HOME SYSTEM CONFIGURATION

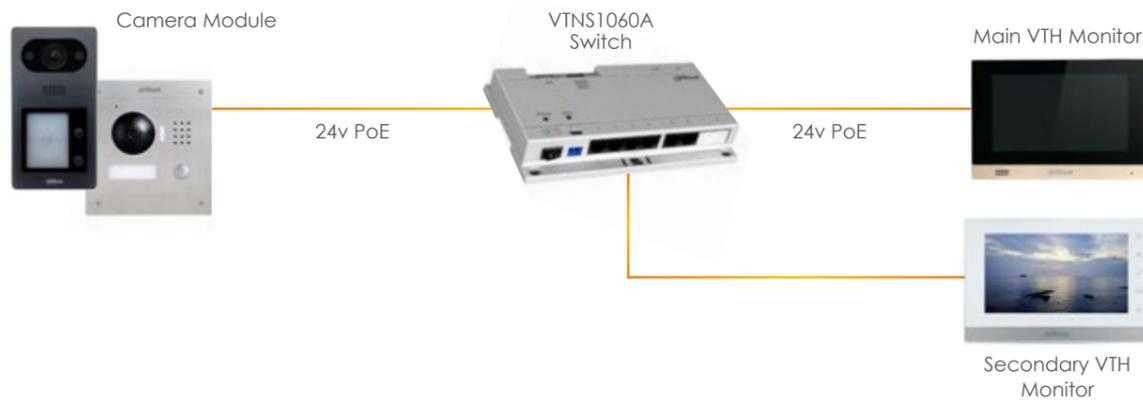
When configuring a home VDP system, all devices should first be connected together. Usually, this is done by connecting both the camera unit (VTO) and monitor unit (VTH) to the VTNS1060A PoE switch.

The VTNS1060A is a 24v passive PoE unit, this is a different type of PoE than that seen on conventional IP devices. As such, both the VTO2000A and VTH1550CH can only be used with 24v passive PoE or by connecting a 12/24v DC power supply to the power input terminals on the units.

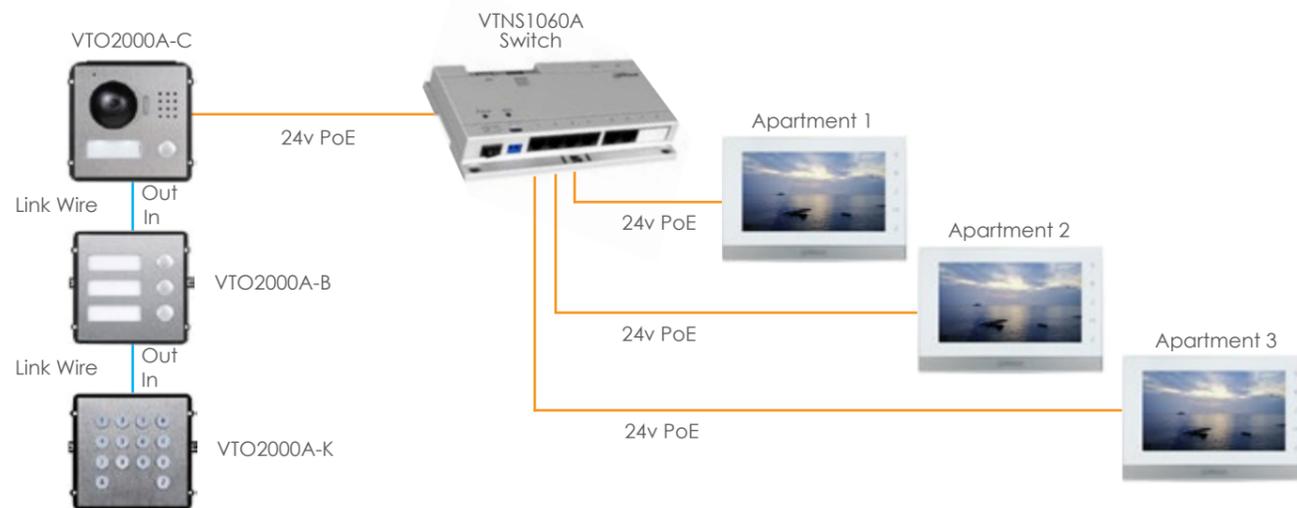
## Example 1



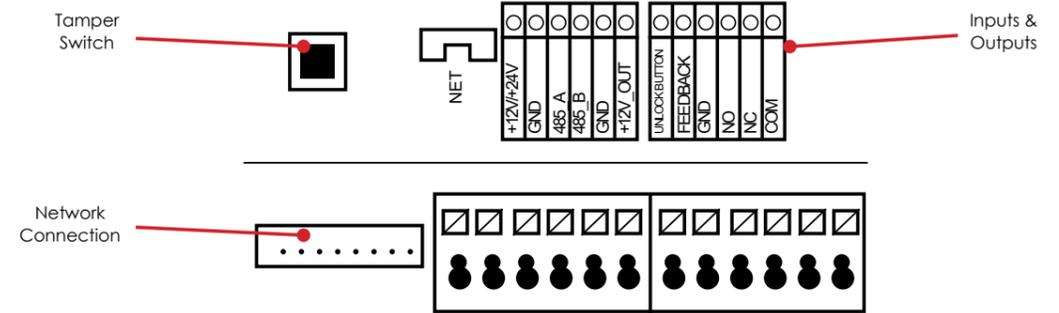
## Example 2



## Example 3



# VTO CONNECTIONS



- Tamper Switch** Sounds an alarm in the event that the VTO unit is tampered with
- Network Connection** Connect the supplied RJ45 adapter cable to this port
- +12/24v** Used when not powering the VTO via PoE, connect the 12v or 24v DC positive supply to this terminal
- GND** Ground connection for 12v or 24v DC negative supply and other inputs
- 12v Out** DC 12v continuous output for auxiliary device
- Unlock Button** Input to connect a switch such as a push button for releasing the door lock
- Feedback** Input for door contact to check if the door is closed before engaging lock
- NO/NC/COM** Relay output used when unlocking door
- RS485 A/B** RS485 Bus for connecting secondary lock controller DEE1010B



DEE1010B  
Secondary lock controller

# INITIALISATION

The first step in configuring VTO cameras is to discover the camera on the network so the IP address can be configured. By default all VTO units are shipped on an IP address of 192.168.1.110 and in an uninitialised state.

Before the VTO can be used and configured, the unit must first be initialised. This can be achieved by connecting directly to the unit via a web browser or using the VDP Tool.

To initialise via the web browser, open Internet Explorer and type <http://192.168.1.110> then follow the on screen prompts.

Please note: The computer IP address must be in the same IP subnet.



To initialise via the VDP Tool, first download the Dahua Toolbox application and the VDP Tool.

Go to [www.dahuasecurity.com](http://www.dahuasecurity.com), the toolbox application can be found using the top menu.

Go to Support > Download Center > Tools > Maintenance Tools.

Once the Toolbox application has been installed and opened, a list of smaller applications will be listed. Click install next to VDP Tool, once the installation is complete, click Open to run the program.

With the VDP Tool open and the computer connected to the same network as the VTO, click the refresh icon at the top of the tool. Any VDP devices connected to the computer directly or via a switch should now be displayed.

1. Check the box next to the VTO to be initialised.



2. Click the initialise button to start the initialise process.



3. Enter the new password to be used for the VTO and an email address for password recovery. Set P/N to P and click next to continue.



4. Check or Uncheck Online update options. A direct internet connection is required for these features.



5. After a few seconds the tool should show that the VTO was successfully initialised. Click Finish to end the process.



6. The VTO will now show in the Config Tool in an initialised state. It is now possible to program the VTO IP address and other settings.



# HOME SYSTEM CONFIGURATION

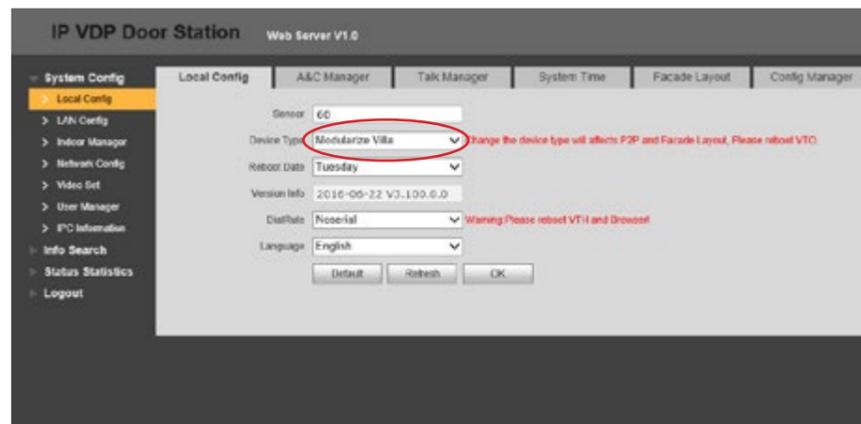
## VTO Camera Configuration

Login to the VTO via the computers web browser using the username of "admin" and the password entered during the initialisation stage.



Once logged in to the VTO, Go to **System Config**.

Select the **Local Config** tab and change **Device Type** to **Modularize Villa** click **OK** to save the setting.



Select the **Logout** option on the left menu and click **Reboot Device**, this will restart the VTO.

## VTH Monitor Configuration

Before configuring the VTH it must first be initialised. Follow the on screen wizard to set an admin password.



To configure the VTH unit use the built in menu within the monitor itself. VTH units do not support web browser configuration.



Hold down the **Settings** button for 5 seconds and enter the admin password set during the initialisation wizard.

If the settings button is only pressed and not held, entering the password 123456 will enter the user settings rather than engineer settings.

The **VTH Config** menu is used to set the room number of the VTH and to configure the unit as a Master or Extension unit. If only a single VTH is being used in the system, then this should be set to Master and a room number chosen. Adding extension VTH units is covered on page 9.



# HOME SYSTEM CONFIGURATION

## VTO Camera Configuration (Continued)

In the settings menu select **Network** to configure the VTH network settings. When configuring the network address of the VTH it is vital to ensure the IP address range is within the same Subnet as the VTO.



For both the VTO and VTH to communicate, each unit must have the IP address details of the other unit. To add the VTO unit to the VTH, select **VTO Config** and input the VTO units IP address, Username & Password then set **Enable Status** to **ON**.



To add the VTH to the VTO, revisit the VTO web browser and go to **System Config > Indoor Manager > Add**. Input a family name, first name and Nickname, these are purely for reference. Enter the VTH Short number. **This number must match the Room Number set in the VTH "VTH Config" page.**



Click **OK** to confirm the setting.

At the top of the VTH screen the  icon should disappear, this indicates that the VTO and VTH are now connected.

If the  icon is still displayed, go back to the VTH menu > VTO Config and Disable then re-enable the **Status** option.

To call the VTH from the VTO, press the button on the VTO unit and press **Answer** to initiate two way communication.

## Adding Extension VTH Units

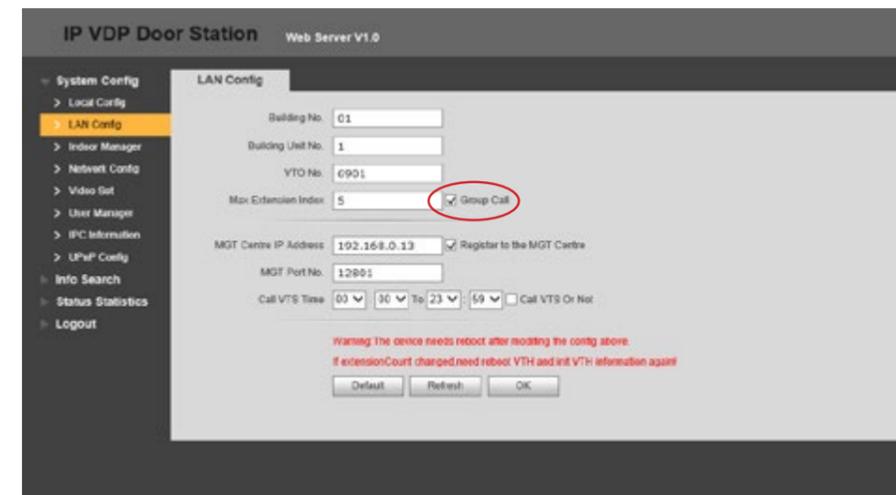
Additional VTH monitors can be added to the system as Extension monitors. These monitors can then be called simultaneously along with the Master monitor. Up to four extension monitors can be added to each master monitor.

**Note: It is not possible to use Extension monitors when any of the VTH monitors are connected via built in Wi-Fi. When using Extension monitors ALL monitors must utilise a wired network connection.**

To enable this feature and configure the additional VTH units;

Login to the VTO web browser and go to **System Config > LAN Config** and tick the **Group Call** option.

Click **OK** then select **Logout > Reboot**.



On the additional VTH unit, first configure the network address within the same range as both the VTO and existing VTH units.

Go to **Settings > VTH Config** and select **Master**, this will change the VTH to Extension mode. Input the room number of the master unit followed by -1, as an example if the room number is 1 enter 1-1 or 1-2, 1-3 etc. for further additional units.

In the **Master IP** field enter the IP address of the main VTH unit.

Select **OK** to save the setting, the configuration is now complete.



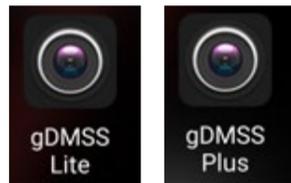
# APPLICATION SET UP

Currently P2P is only supported for iOS and Android devices. Download the mobile application to your mobile device by scanning the QR codes below or by searching for the app in your relative app store.

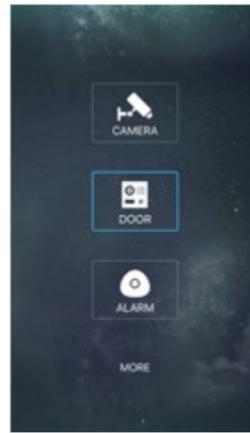


## Connect using the app

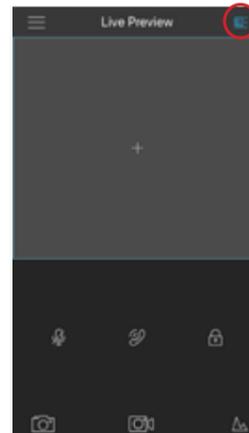
1. Open DMSS app.



2. Select Door.



3. Tap the Device List icon.



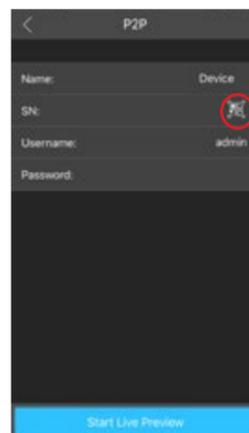
4. Tap +Add Device.



5. Select P2P.



6. Input a name (for your reference only) Press QR button.



7. Scan the QR Code from the P2P page in the VTO web browser.



8. Input VTO Username & Password.

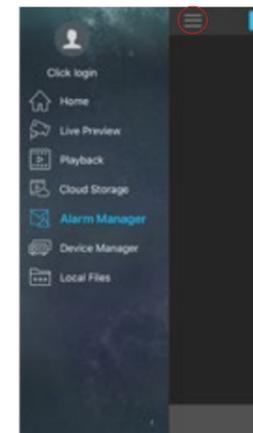


9. Select Start Live Preview to view camera stream.



## Configure Push Notifications

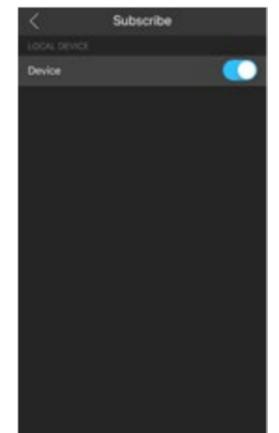
1. Select Menu icon and then Alarm Manager.



2. Select Subscribe.

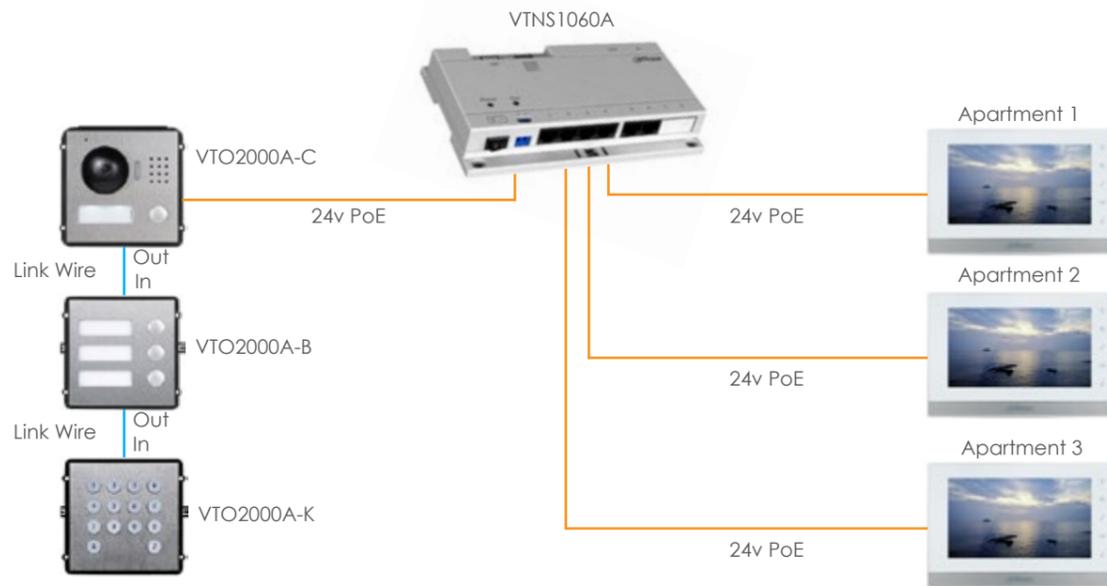


3. Enable Subscribe for the device.



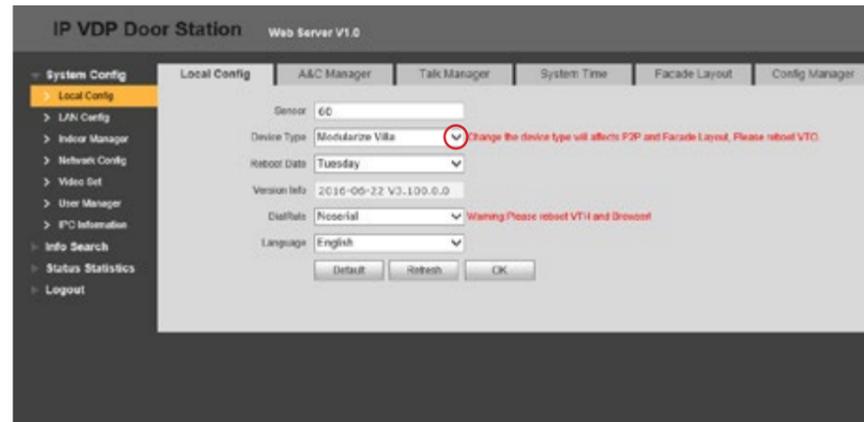
# APARTMENT SYSTEM CONFIGURATION

When installing a VDP system in an apartment/business setting, several modules are available. Each module has an IN and OUT connection, this links the various modules together. Regardless of which modules are to be used, the camera unit is always the master and is the first device in the chain.



## VTO Module Configuration

Select the **Local Config** tab and change **Device Type** to **Modularize Villa** click **OK** to save the setting.

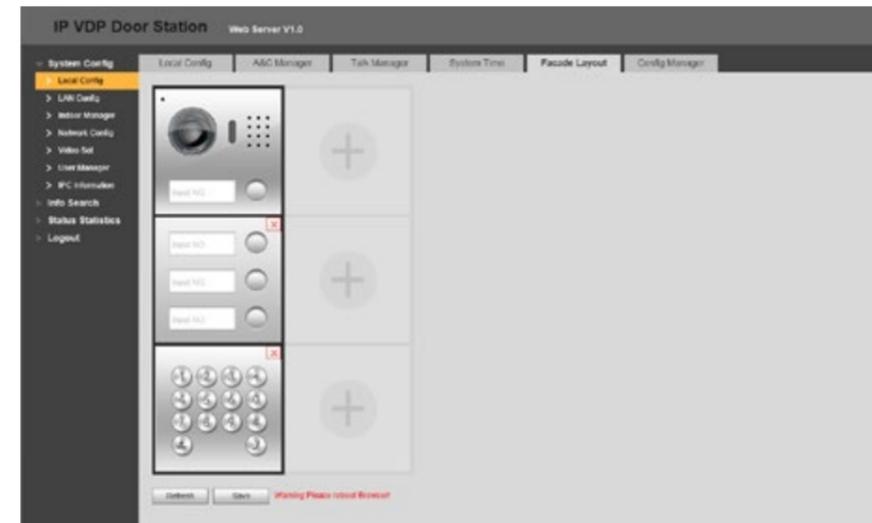


Select the **Logout** option on the left menu and click **Reboot Device**, this will restart the VTO.

To configure the layout of the modular system, go to **System Config > Local Config > Facade Layout**.



Click the **Plus** symbol in the location of the next module, then select the module type. Multiple modules can be added to the layout.



Click **Save** to confirm the settings, then refresh your web browser page.

# APARTMENT SYSTEM CONFIGURATION

## VTH Monitor Configuration

To configure the VTH unit use the built in menu within the monitor itself. VTH units do not support web browser configuration.



Hold down the **Settings** button for 5 seconds and enter the admin password set during the initialisation wizard.

If the settings button is only pressed and not held, entering the password 123456 will enter the user settings instead of engineer settings.

The **VTH Config** menu is used to set the room number of the VTH and to configure the unit as a Master or Extension unit. If only a single VTH is being used in the apartment, then this should be set to Master and a room number chosen. Adding extension VTH units is covered on page 9.



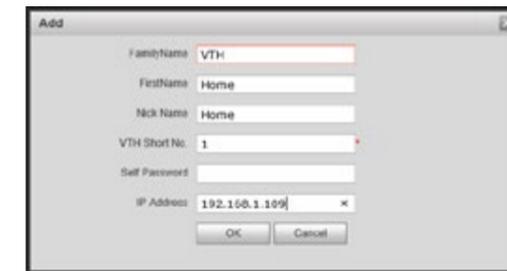
In the settings menu select **Network** to configure the VTH network settings. When configuring the network address of the VTH it is vital to ensure the IP address range is within the same Subnet as the VTO.



For both the VTO and VTH to communicate, each unit must have the IP address details of the other unit. To add the VTO unit to the VTH, select **VTO Config** and input the VTO units IP address and set **Enable Status** to **ON**.



To add the VTH to the VTO, revisit the VTO web browser and go to **System Config > Indoor Manager > Add**. Input a family name, first name and Nickname, these are purely for reference. Enter the VTH Short number **This number must match the Room Number set in the VTH Product Info page**. For details on self password see page 16.



Click **OK** to confirm the setting.

Repeat the process for additional monitors, each time setting the monitor to a unique IP address and Room Number.

To program the module buttons, go to **System Config > Local Config > Facade Layout**. On the module images, click the relative buttons to assign a specific apartment number to it.

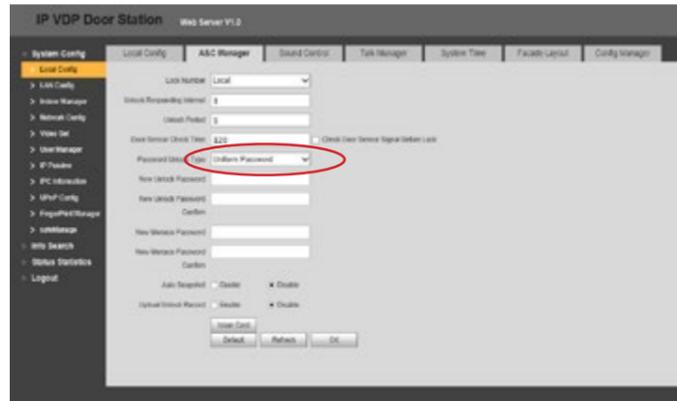


# APARTMENT SYSTEM CONFIGURATION

When using the keypad module, first add it to the layout as described on page 13. The keypad module has two primary functions, calling and password entry. To make a call to a specific room, simply enter the room number followed by the phone button. To configure password entry.

There are two types of password that can be used, **Self Password** or **Uniform Password**.

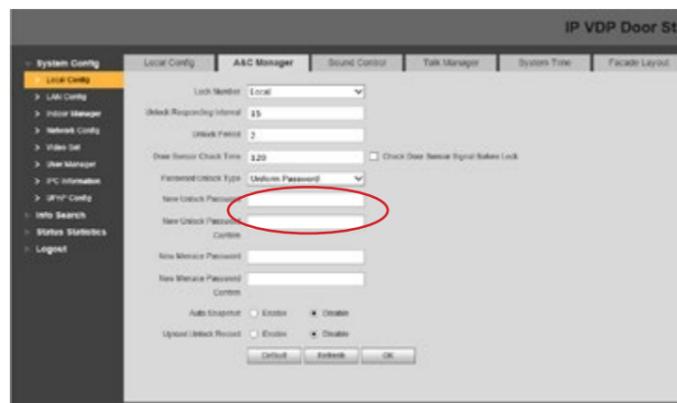
Configure which type of password is to be used in **System Config > Local Config > Password Unlock Type**.



Self password is an individual password given to each user, this is created when adding the VTH monitor in the **Indoor Manager** menu, as described on page 8.



Uniform Password is a global password used for all users, rather than a password being issued on an individual basis. The uniform password is configured in **System Config > Local Config > New Unlock Password**.



Once the password type has been selected and a Uniform Password set (if required), click **OK** to save the configuration. You need to then reboot the unit, see page 6.

The format when entering the password on the keypad is **# > Password > #** as an example, a password of 888888 would be entered as **#888888#**.

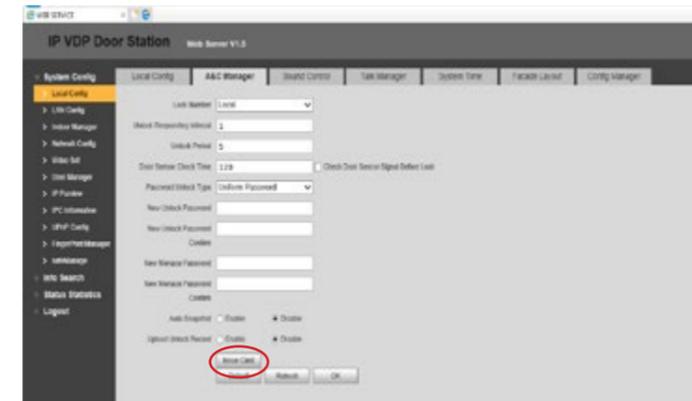
# CARD ASSIGNMENT

When using the card reader module, first add it to the layout as described on page 13. The card reader supports both access cards and fobs that are Mifare 13.56MHz

To add cards to the system:

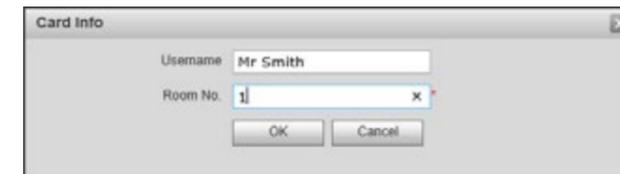
Go to **System Config > Local Config > A & C Manager**.

Click the **Issue Card** button.

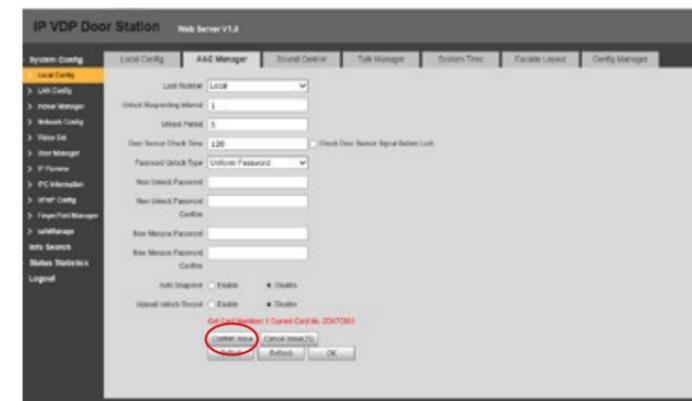


Present the Mifare card or fob to the reader, the reader should beep and the user details box should appear.

Enter the name of the card holder along with their corresponding room number, the room number should match the VTH room number. Click **OK** to save.



The card number should now be displayed above the confirm issue button. To confirm and save the card information, click **Confirm Issue** then click **OK**.



To check existing card information or to delete a card, go to **System Config > Indoor Manager** and click the **Card No. Info** icon for a given monitor.



# FINGERPRINT ASSIGNMENT

When using the fingerprint module, first add it to the layout as described on page 13.

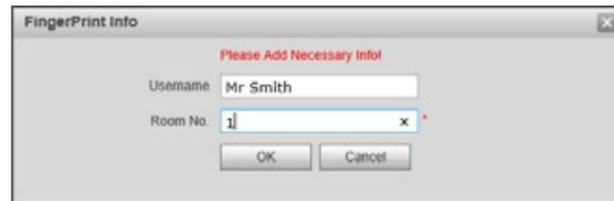
To add fingerprints to the system:

Go to **System Config > Fingerprint Manager**.

Click the **Collect** button.



Enter the name of the fingerprint holder along with their corresponding room number, the room number should match the VTH room number. Click **OK** to save.



Place the finger on the fingerprint module sensor, the VTO should respond by saying "One". Place the finger on the sensor again, the VTO should respond "Two". Place the finger on the sensor a third time, the VTO should beep and the web browser should show **Collect Succeeded**.



All fingerprints will be displayed in the Fingerprint Manager along with each username. From here, fingerprints can be erased or modified.

When using multiple VTO units with fingerprint modules on a single system, the fingerprint database can be exported using the **Fingerprint Export to Web** button. The exported fingerprint database can then be imported using the **Fingerprint Import** button on other VTO units.





COP UK, Delph New Road, Dobcross, OL3 5BG England

