

<b>PRODUCT:</b>	<b>Dahua Apartment Intercom Setup</b>
<b>ITEM CODE:</b>	<b>VTO4202F-P-S2</b>

**Introduction**

This guide is to assist with the initial set-up steps for a Dahua intercom system when needing to have multiple independent rooms that are individually addressed, such as an apartment building or office complex.

This guide will include initialisation, configuration, troubleshooting and app integration steps.

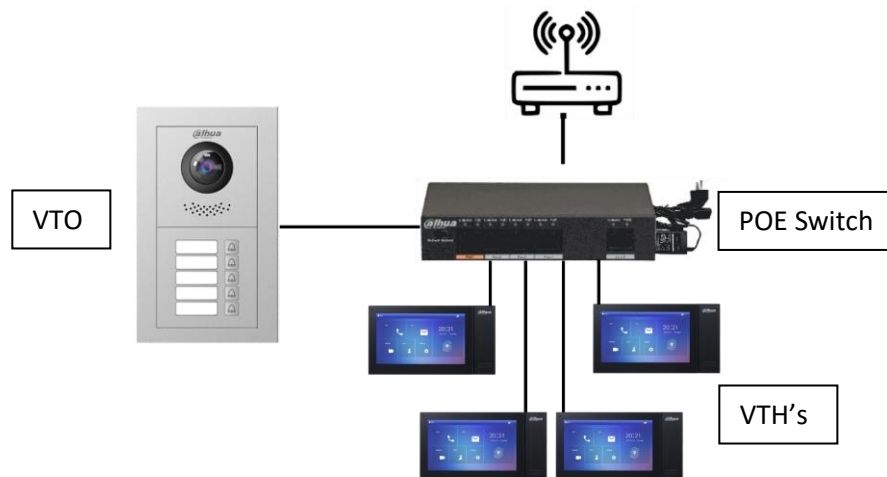
**Modules**

The VTO4202F range is a modular system, this means that the modules will need to be connected in series using the included ribbon cables, it is recommended to do this before initialisation, making sure that each ribbon cable is securely seated and are fitted correctly following the In and Out markings on each of the modules.

**Network Map**

Please connect the VTO and all VTH's to a POE switch, making sure your cable runs are 80m or less. You will also need a windows laptop, with the Dahua ConfigTool version 5 installed, on this network for initial configuration.

**Connection Notes:** If you wish to use a mobile App for notifications you will require to download the DMSS App from either App Store or Play Store. You will also require connection to a router for this to function.



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## Initialisation

Using a windows laptop and the Dahua ConfigTool, search the network for devices, you will see your uninitialised devices in the search results.

Select the VTO and click Initialise, this will then prompt you for a device password, choose a password with a minimum of eight characters and a mixture of letters and numbers.

Once initialised, a prompt will appear to select the language of your choice.

Then select the VTH's and click Initialise, this will prompt you for a six-digit passcode.

Once initialised, again a prompt will appear to select the language of your choice.

Please make a note of these passwords.

You will need to make sure that all devices are in the same IP range and in the same range as the router if used.

i.e., If your router is at 192.168.1.1, you will want to statically assign your devices as 192.168.1.XXX

For the apartment setup, it is recommended to use the ConfigTool Export button to create a reference document in Excel that will keep track of room numbers, IP addresses, Mac addresses and passwords of each device in the system.

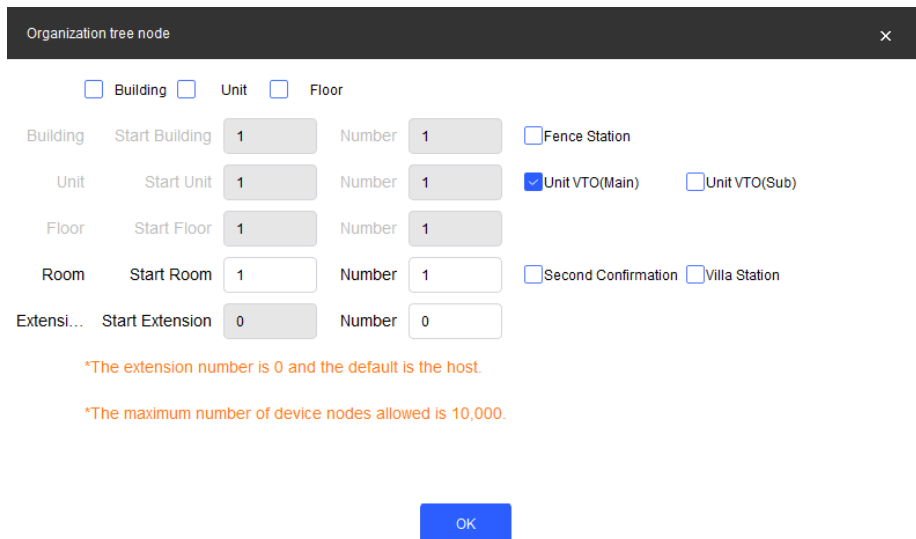
## Building Management

On the ConfigTool, go to building management and select Global Parameters.

From here, set Server type as VTO, set VTO password as the chosen password for the VTO and set VTH password as the chosen passcode for the VTH's and click OK.

Se the Server Address to the VTO's IP address and all other sections of the global parameters can be left to default settings.

Click Add Node and this will then ask you about the building's configuration and layout, for this setup you will want to select Unit VTO (Main) and de-select the check boxes for Building, Unit and Floor as shown below.



Organization tree node

Building  Unit  Floor

Building	Start Building	1	Number	1	<input type="checkbox"/> Fence Station
Unit	Start Unit	1	Number	1	<input checked="" type="checkbox"/> Unit VTO(Main) <input type="checkbox"/> Unit VTO(Sub)
Floor	Start Floor	1	Number	1	
Room	Start Room	1	Number	1	<input type="checkbox"/> Second Confirmation <input type="checkbox"/> Villa Station
Extensi...	Start Extension	0	Number	0	

\*The extension number is 0 and the default is the host.

\*The maximum number of device nodes allowed is 10,000.

OK

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You then need to enter the number of VTH's into Room Number. This will give you a plan with the chosen number of rooms and one VTO.

Associate devices by selecting the VTO from the left list and the VTO from the building plan and clicking Association.

For the VTH's it is worth checking the Excel sheet created during initialisation so that the correct VTH's are associated to the correct room numbers, matching serial numbers to their room numbers.

Once all devices have been associated to the building plan, click Association List, select all devices then click config to push the settings out to the devices.

Then navigate to the webpage of the VTO, click Local and choose which modules you have fitted by adding them to visual layout.

If you have push button modules, clicking the blank rectangle will let you link that button to one of the assigned rooms.

### **Adjustments and Troubleshooting**

Once the building config has been pushed out to the devices and the modular layout selected, there are a few things to check, but the intercom should now be working.

First thing to check is the VTH network settings, this is done by going to Device Config, double clicking the VTH and entering its passcode.

You will want to make sure that the SIP Server IP is set to the IP address of the VTO, the SIP realm is VDP and the Login Password is set to the VTO's password.

Next go to Network Terminals and check that the Main VTO IP is set to the VTO's IP address and the Main VTO Pwd is set to the VTO's password.

Then navigate to the IP address of the VTO and login.

Go to household management and then status and check to make sure that the VTO and all VTH's are listed as Online.

The Intercom is now ready to be tested, if each VTH rings when the VTO calls it, the setup is configured correctly, if not, default the devices and start again.

### **DMSS Integration**

Go to network on the VTO's webpage and check that cloud service status is online.

Then go to Household management, Room Number Management and choose a room, clicking the QR code icon to bring up the scan code for that room.

On the DMSS app, go to Add device and scan the QR code from VTO network page. Select VTO and enter its login details.

Test the intercom and make sure that when the VTO calls that VTH, the mobile phone gets alerted.

Repeat for all rooms that need App integration.

End.

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