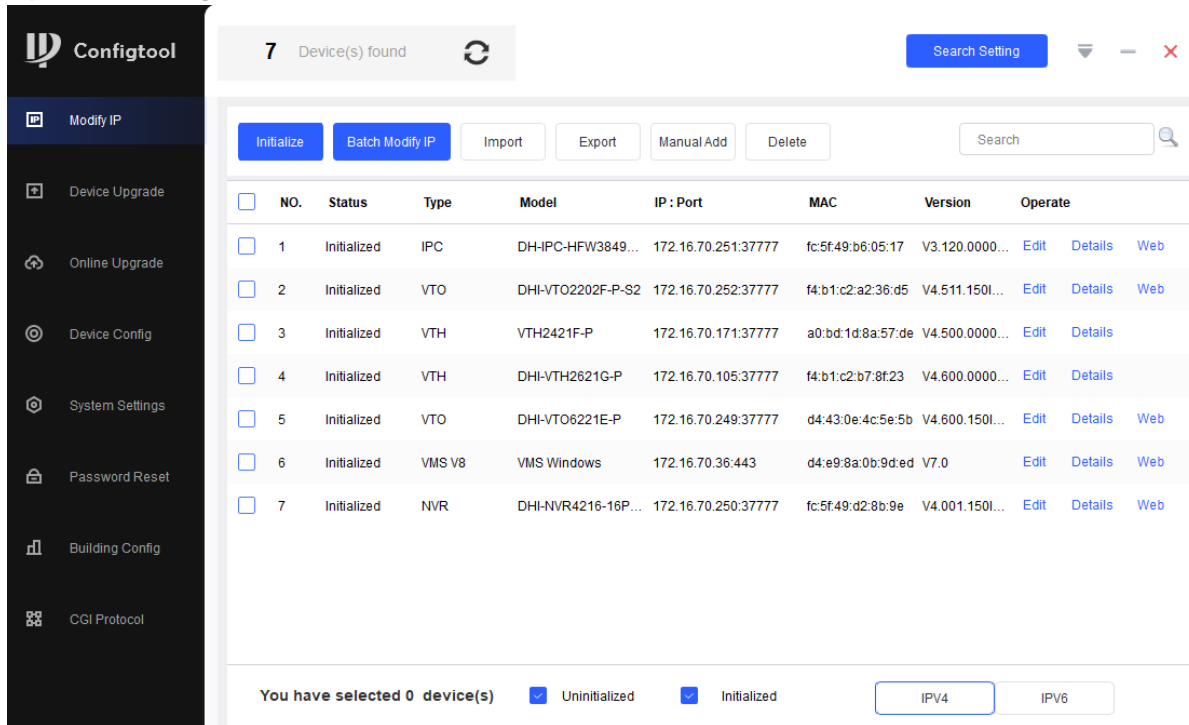


Technical Quick Guides

How to setup Apartment intercom using building config

Open the Configtool Make sure all device is initialized

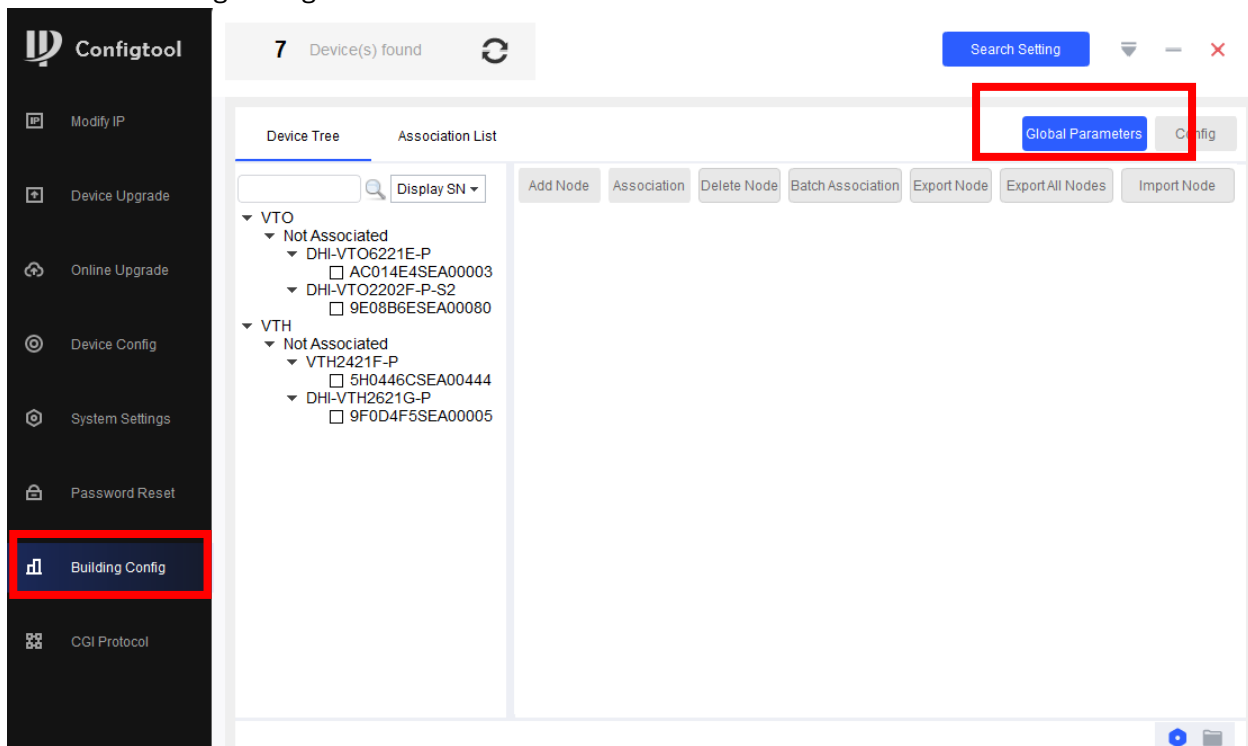


The Configtool interface shows a sidebar with navigation options: Modify IP, Device Upgrade, Online Upgrade, Device Config, System Settings, Password Reset, Building Config, and CGI Protocol. The main area displays a table of 7 devices, all with a status of 'Initialized'.

NO.	Status	Type	Model	IP : Port	MAC	Version	Operate
1	Initialized	IPC	DH-IPC-HFW3849...	172.16.70.251:37777	fc:5f:49:b6:05:17	V3.120.0000...	Edit Details Web
2	Initialized	VTO	DHI-VTO2202F-P-S2	172.16.70.252:37777	f4:b1:c2:a2:36:d5	V4.511.150I...	Edit Details Web
3	Initialized	VTH	VTH2421F-P	172.16.70.171:37777	a0:bd:1d:8a:57:de	V4.500.0000...	Edit Details
4	Initialized	VTH	DHI-VTH2621G-P	172.16.70.105:37777	f4:b1:c2:b7:8f:23	V4.600.0000...	Edit Details
5	Initialized	VTO	DHI-VTO6221E-P	172.16.70.249:37777	d4:43:0e:4c:5e:5b	V4.600.150I...	Edit Details Web
6	Initialized	VMS V8	VMS Windows	172.16.70.36:443	d4:e9:8a:0b:9d:ed	V7.0	Edit Details Web
7	Initialized	NVR	DHI-NVR4216-16P...	172.16.70.250:37777	fc:5f:49:d2:8b:9e	V4.001.150I...	Edit Details Web

At the bottom, it shows 'You have selected 0 device(s)' with checkboxes for 'Uninitialized' and 'Initialized' (both checked), and buttons for 'IPv4' and 'IPv6'.

Click the Building Config tab and click the Global Parameters



The Configtool interface shows the 'Building Config' tab selected in the sidebar. The main area displays a 'Device Tree' and an 'Association List'. The 'Global Parameters' button is highlighted with a red box.

Device Tree:

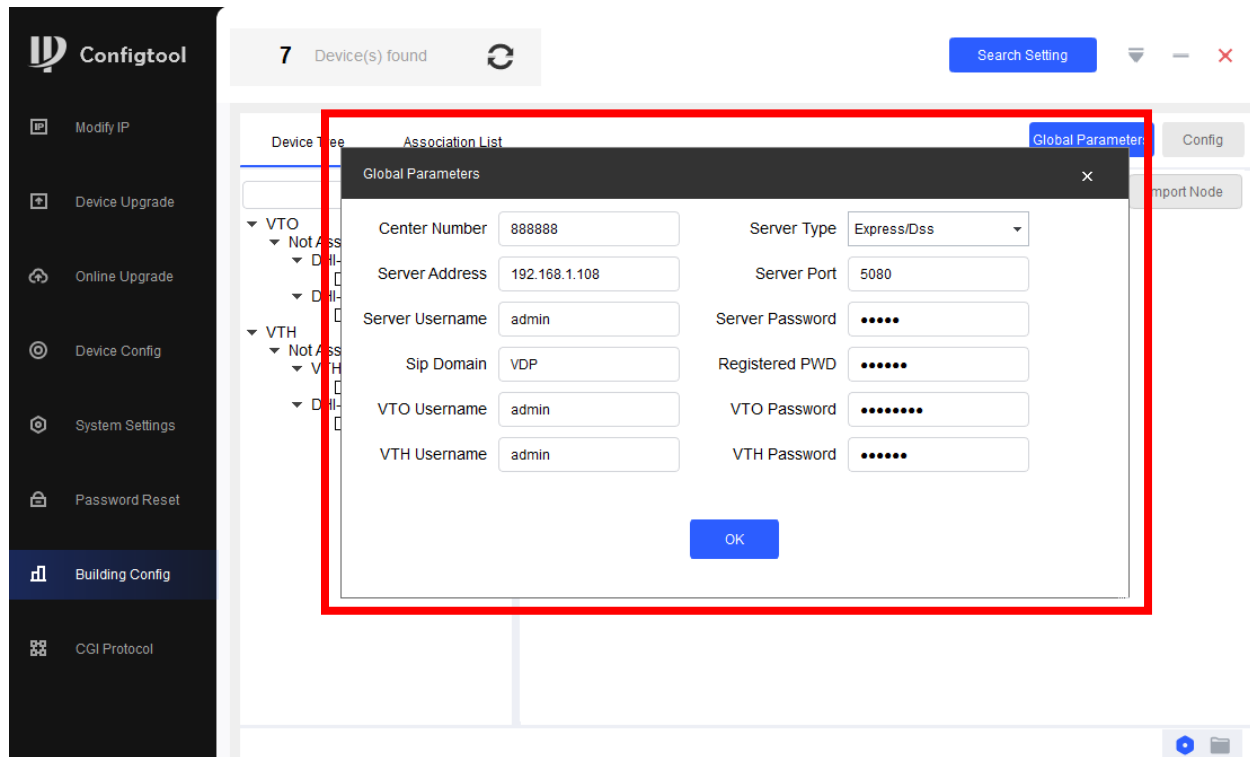
- VTO
 - Not Associated
 - DHI-VTO6221E-P
 - ☐ AC014E4SEA00003
 - DHI-VTO2202F-P-S2
 - ☐ 9E08B6ESEA00080
- VTH
 - Not Associated
 - VTH2421F-P
 - ☐ 5H0446CSEA00444
 - DHI-VTH2621G-P
 - ☐ 9F0D4F5SEA00005

Association List:

Buttons: Add Node, Association, Delete Node, Batch Association, Export Node, Export All Nodes, Import Node.

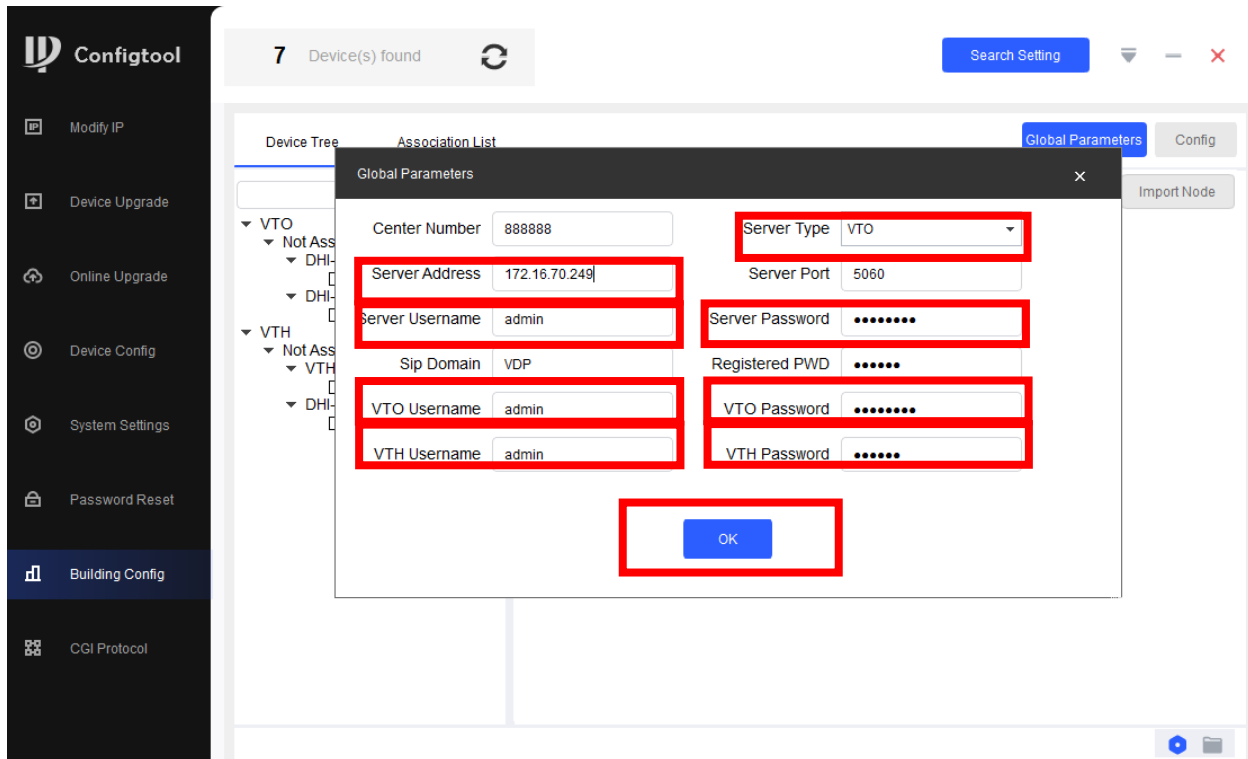
The 'Global Parameters' button is highlighted with a red box.

On Global Parameters Change the settings



Global Parameter	
Center Number = Leave Default	server Type = VTO
Sever Address = Main VTO IP Address	Server Port = 5060
Sever username = Recommended to match VTO username	Sever Password = Recommended to match VTO password
Sip Domain = VDP	Register PWD = Leave Default
VTO Username = Enter VTO username	VTO Password = Enter VTO password
VTH I-Username = Enter VTH username	VTH Password = Enter VTH Password

Make sure to double check the settings and click OK.



7 Device(s) found

Search Setting

Global Parameters

Center Number: 888888

Server Type: VTO

Server Address: 172.16.70.249

Server Port: 5060

Server Username: admin

Server Password:

Sip Domain: VDP

Registered PWD:

VTO Username: admin

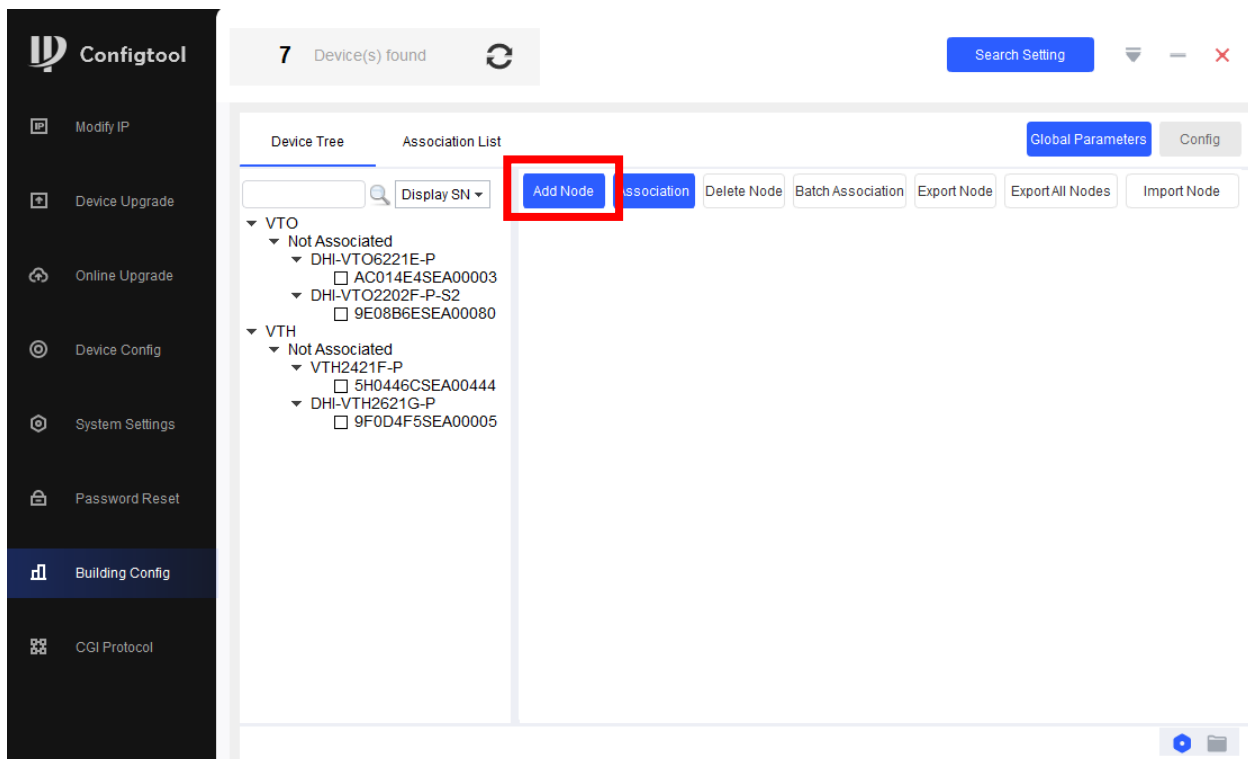
VTO Password:

VTH Username: admin

VTH Password:

OK

Click the Add Node button



7 Device(s) found

Search Setting

Global Parameters

Config

Association List

Display SN

Add Node

Association

Delete Node

Batch Association

Export Node

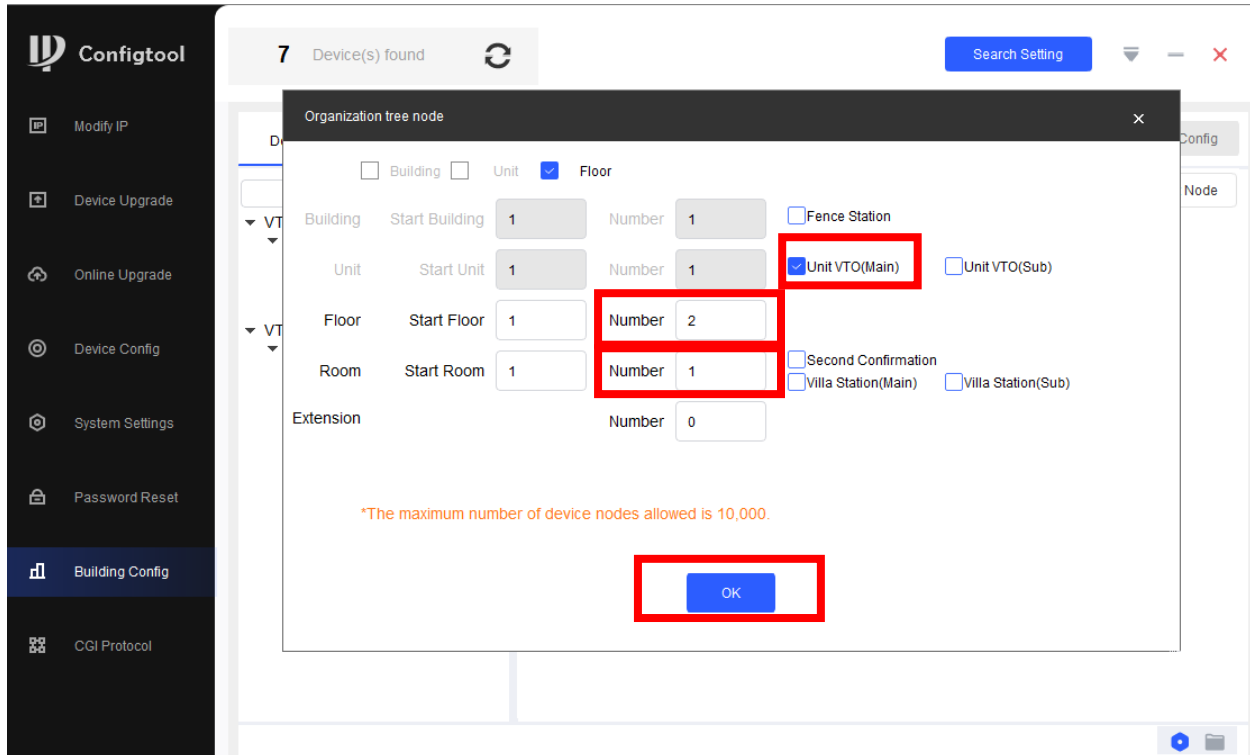
Export All Nodes

Import Node

Device Tree

- VTO
 - Not Associated
 - DHI-VTO6221E-P
 - AC014E4SEA00003
 - DHI-VTO2202F-P-S2
 - 9E08B6ESEA00080
 - VTH
 - Not Associated
 - VTH2421F-P
 - 5H0446CSEA00444
 - DHI-VTH2621G-P
 - 9F0D4F5SEA00005

Check the checkbox of Unit VTO(Main) and select the number of Floors and Rooms that will be added to the project. Click on **OK**



Organization tree node

☐ Building ☐ Unit ☒ Floor

Building Start Building 1 Number 1 ☐ Fence Station

Unit Start Unit 1 Number 1 ☒ Unit VTO(Main) ☐ Unit VTO(Sub)

Floor Start Floor 1 Number 2 ☐ Second Confirmation

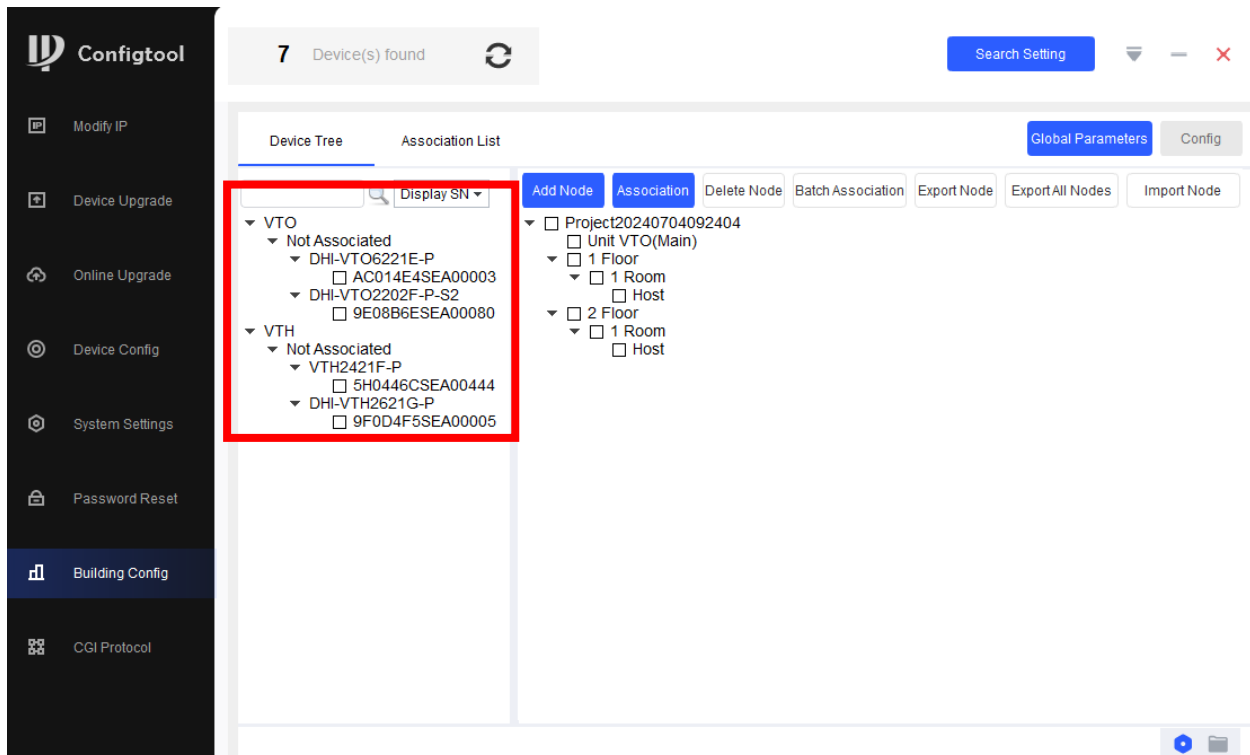
Room Start Room 1 Number 1 ☐ Villa Station(Main) ☐ Villa Station(Sub)

Extension Number 0

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

OK

Double Check the serial number of the device you want to associate



Association List

Display SN

Add Node Association Delete Node Batch Association Export Node Export All Nodes Import Node

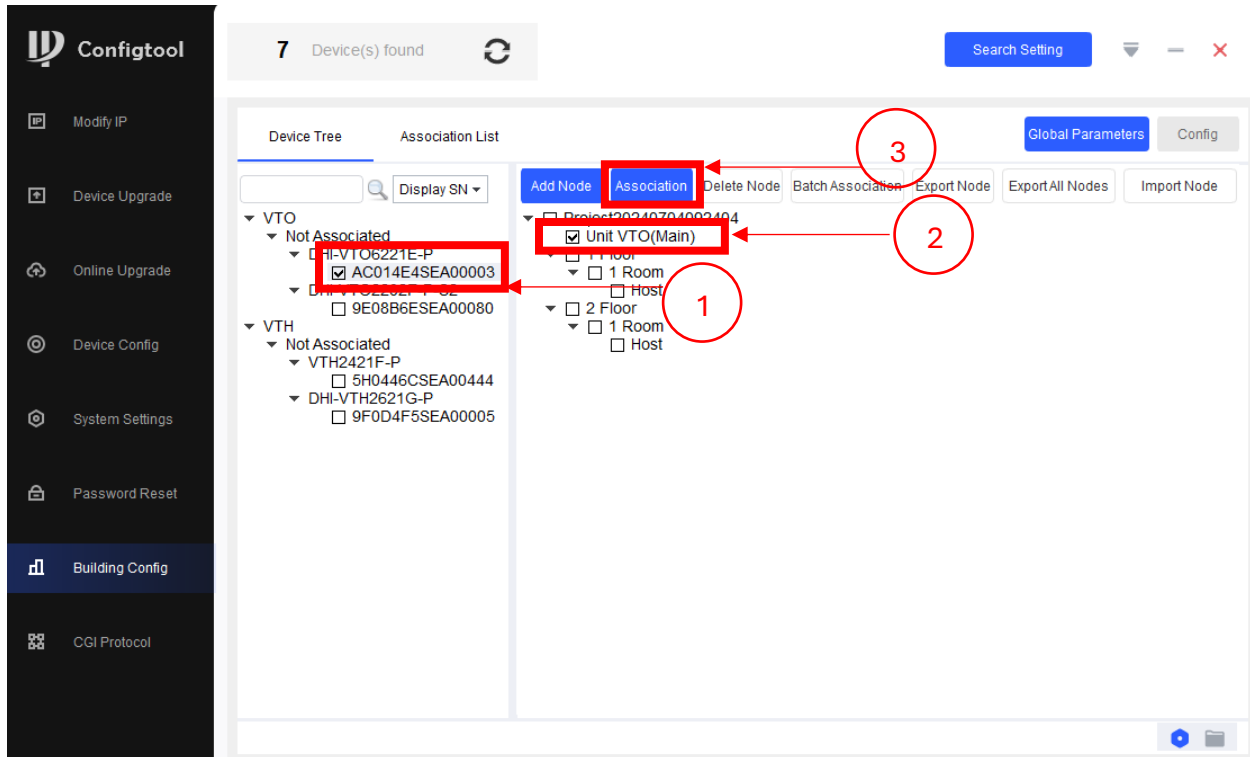
Device Tree

- VTO
 - Not Associated
 - DHI-VTO6221E-P
 - AC014E4SEA00003
 - DHI-VTO2202F-P-S2
 - 9E08B6ESEA00080
 - VTH
 - Not Associated
 - VTH2421F-P
 - 5H0446CSEA00444
 - DHI-VTH2621G-P
 - 9F0D4F5SEA00005

Association List

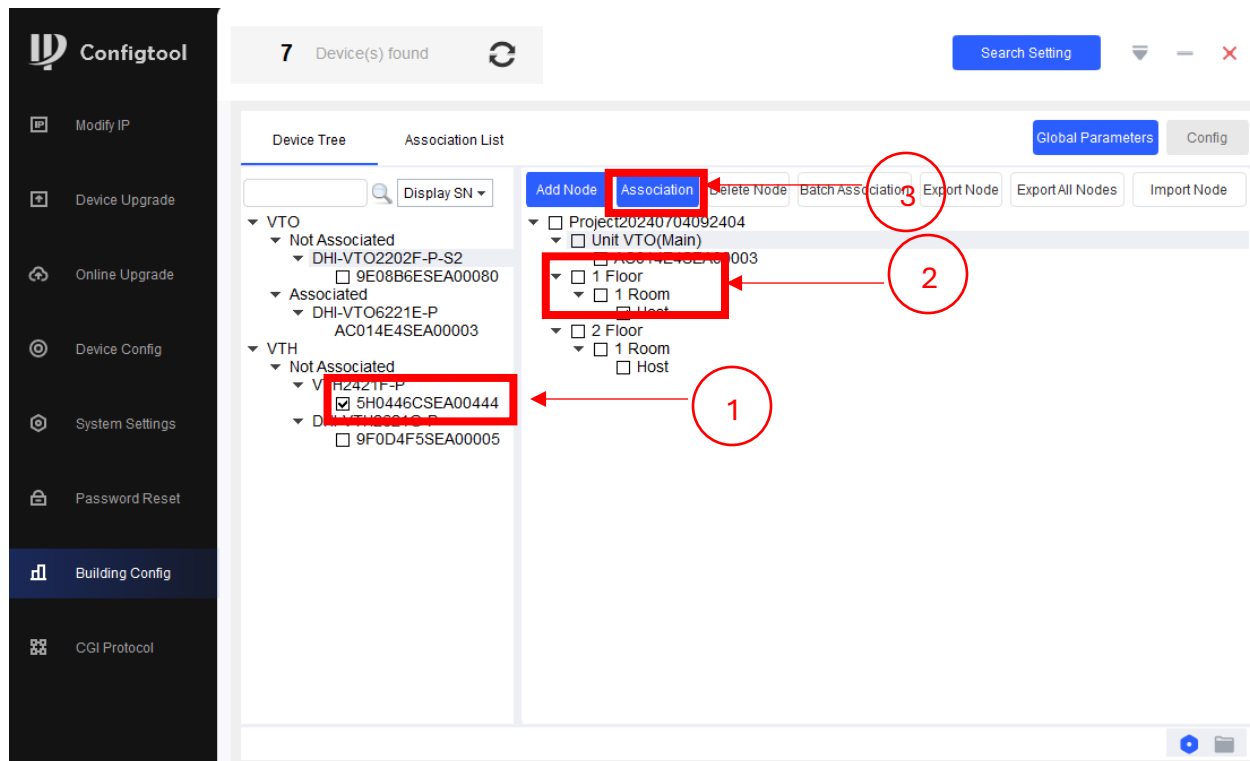
 - Project20240704092404
 - Unit VTO(Main)
 - 1 Floor
 - 1 Room
 - Host
 - 2 Floor
 - 1 Room
 - Host

Check the serial number of the VTO and the Unit VTO(Main) you want to assign and click Association



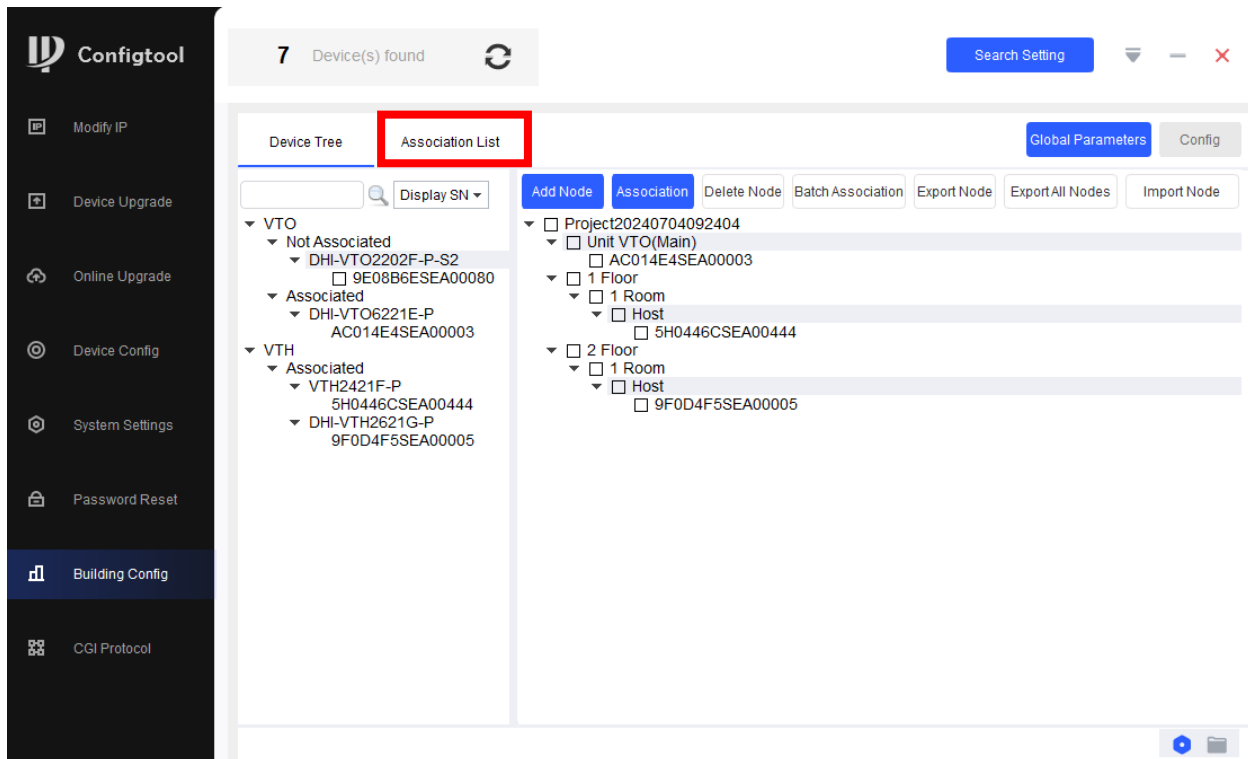
The screenshot shows the 'Configtool' interface with the 'Association List' tab selected. The 'Association' button is circled in red (3). The 'Unit VTO(Main)' checkbox is checked and circled in red (2). The serial number 'AC014E4SEA00003' is circled in red (1). Red arrows point from the circled items to each other.

Do the same with all the VTH

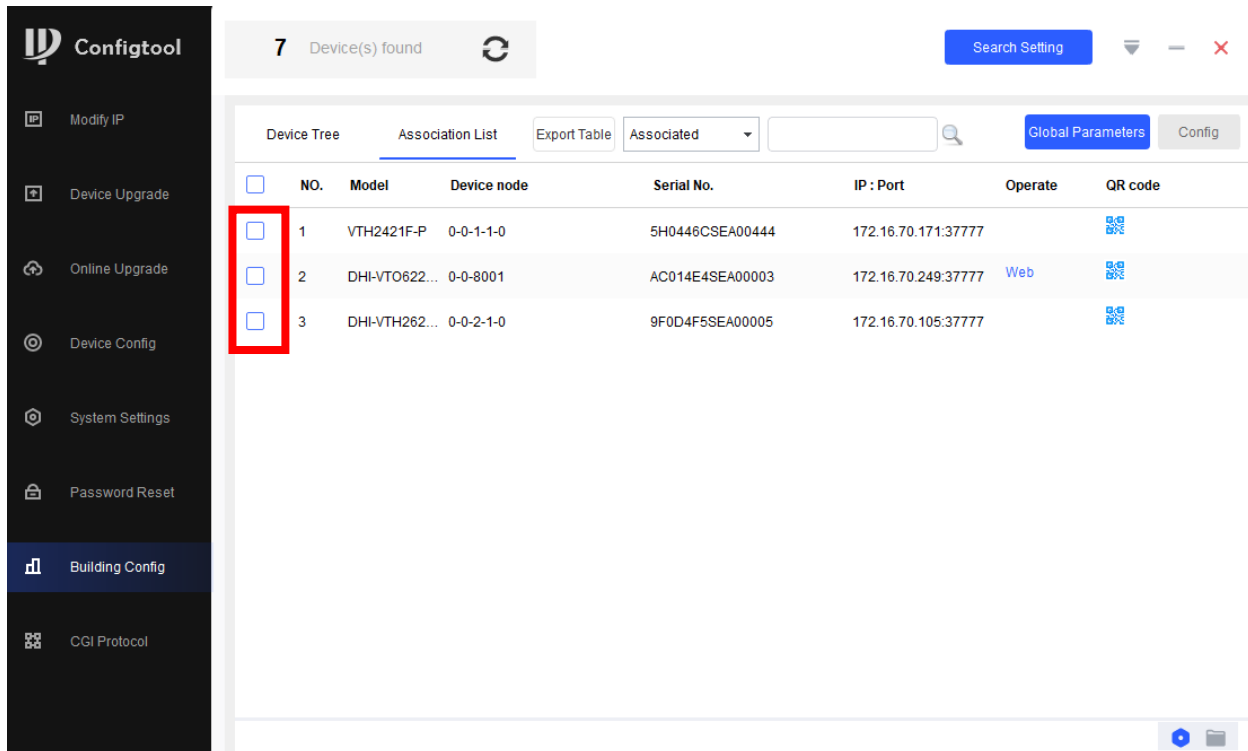





The screenshot shows the 'Configtool' interface with the 'Association List' tab selected. The 'Association' button is circled in red (3). The 'Unit VTO(Main)' checkbox is checked and circled in red (2). The serial number '5H0446CSEA00444' is circled in red (1). Red arrows point from the circled items to each other.

Once all devices are associated click the Association List

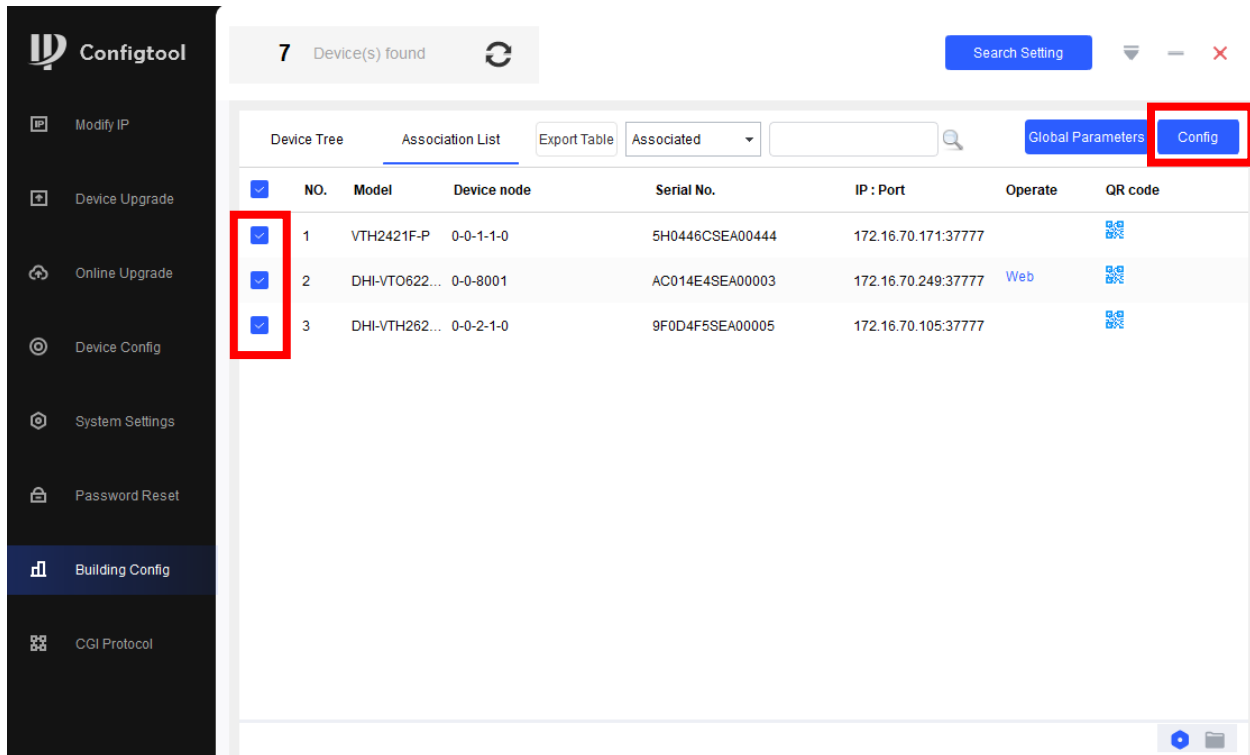


Tick the checkbox of all devices



NO.	Model	Device node	Serial No.	IP : Port	Operate	QR code
1	VTH2421F-P	0-0-1-1-0	5H0446CSEA00444	172.16.70.171:37777		
2	DHI-VTO622...	0-0-8001	AC014E4SEA00003	172.16.70.249:37777	Web	
3	DHI-VTH262...	0-0-2-1-0	9F0D4F5SEA00005	172.16.70.105:37777		

After checking all the devices, click the Config button

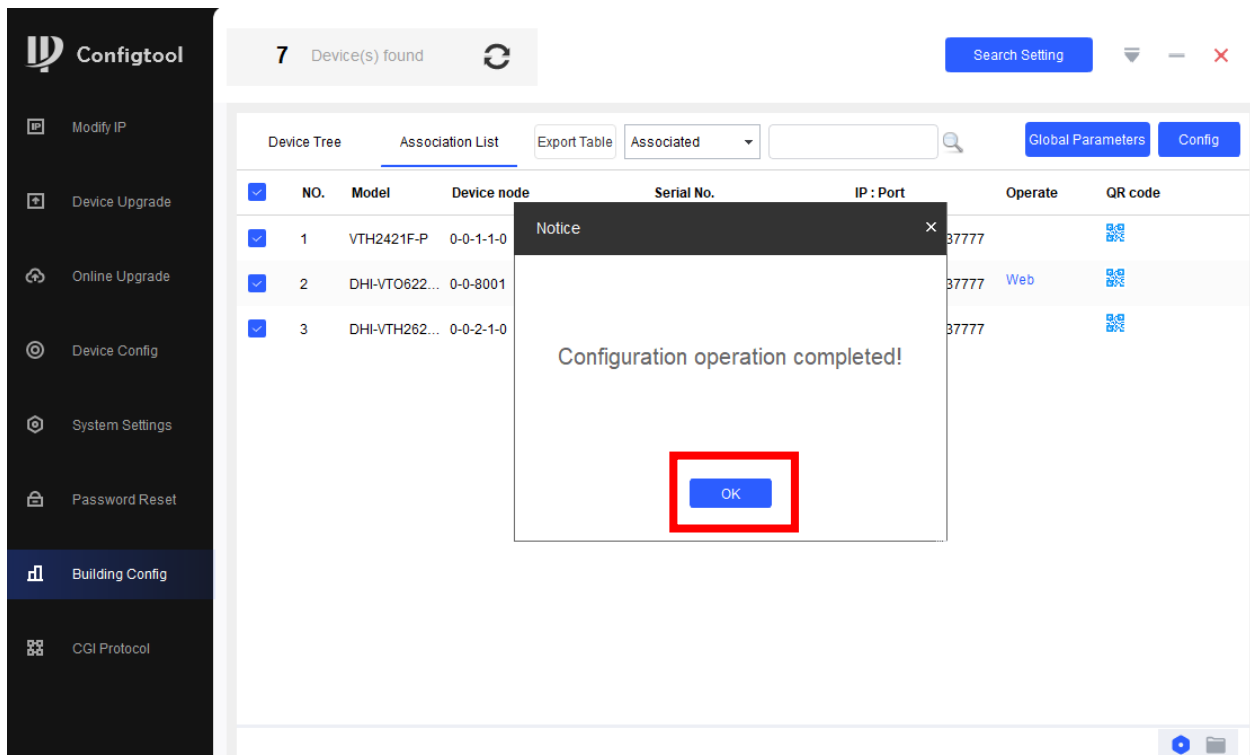


The screenshot shows the Configtool interface with the 'Association List' tab selected. Three devices are listed and selected with checkboxes. The 'Config' button is highlighted with a red box.

<input checked="" type="checkbox"/>	NO.	Model	Device node	Serial No.	IP : Port	Operate	QR code
<input checked="" type="checkbox"/>	1	VTH2421F-P	0-0-1-1-0	5H0446CSEA00444	172.16.70.171:37777		
<input checked="" type="checkbox"/>	2	DHI-VTO622...	0-0-8001	AC014E4SEA00003	172.16.70.249:37777	Web	
<input checked="" type="checkbox"/>	3	DHI-VTH262...	0-0-2-1-0	9F0D4F5SEA00005	172.16.70.105:37777		

Wait until the configuration finishes, click OK and all devices will start rebooting.

After the device finished rebooting you can now test the device



The screenshot shows the Configtool interface with a 'Notice' dialog box displayed. The dialog box contains the text 'Configuration operation completed!' and an 'OK' button, which is highlighted with a red box.

Room number assignment

Under add node if the Floor is enable meaning the room number will assign based on the floor starting

Floor	Start Floor = first digit of first room number	Number = first digit of the last room number/No. of floor
Room	Start Room = last digit of the first room number	Number = last digit of the last room number/No. of room
Extension		Number = digit next to #/ No. of extension

Organization tree node ×

☐ Building
 ☐ Unit
 ☒ Floor

Building Start Building Number
☐ Fence Station

Unit Start Unit Number
☒ Unit VTO(Main) ☒ Unit VTO(Sub)

Floor Start Floor Number
☐ Second Confirmation

Room Start Room Number
☐ Villa Station(Main) ☐ Villa Station(Sub)

Extension Number

OK

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

With this configuration:

Room number will be

101#0

201#0

Organization tree node ×

☐ Building
 ☐ Unit
 ☒ Floor

Building Start Building Number ☐ Fence Station

Unit Start Unit Number ☒ Unit VTO(Main) ☒ Unit VTO(Sub)

Floor Start Floor Number

Room Start Room Number ☐ Second Confirmation ☐ Villa Station(Main) ☐ Villa Station(Sub)

Extension Number

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

With this configuration: Room number will be

101#0

102#0

Organization tree node ×

☐ Building
 ☐ Unit
 ☒ Floor

Building Start Building Number ☐ Fence Station

Unit Start Unit Number ☒ Unit VTO(Main) ☒ Unit VTO(Sub)

Floor Start Floor Number

Room Start Room Number ☐ Second Confirmation ☐ Villa Station(Main) ☐ Villa Station(Sub)

Extension Number

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

With this configuration: Room number will be

101#0

101#1

102#0

102#1

If the Floor is disabled, the room number will assign based on the number of rooms

Organization tree node ×

☐ Building
 ☐ Unit
 ☐ Floor

Building Start Building Number ☐ Fence Station

Unit Start Unit Number ☒ Unit VTO(Main) ☒ Unit VTO(Sub)

Floor Start Floor Number

Room Start Room Number ☐ Second Confirmation ☐ Villa Station(Main) ☐ Villa Station(Sub)

Extension Number

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

With this configuration: Room number will be

1#0

2#0

Organization tree node ×

☐ Building
 ☐ Unit
 ☐ Floor

Building Start Building Number ☐ Fence Station

Unit Start Unit Number ☒ Unit VTO(Main) ☒ Unit VTO(Sub)

Floor Start Floor Number

Room Start Room Number ☐ Second Confirmation ☐ Villa Station(Main) ☐ Villa Station(Sub)

Extension Number

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

With this configuration: Room number will be

1#0

1#1

2#0

2#1