

# Setting Up The HikVision Villa IP Intercom for The First Time

## Introduction

This tech note will step you through the steps to setting up the HikVision Villa IP Intercom for the first time as a hardwired system.

## Notes

When using firmware version 1.4.71 Build 20170724, it requires iVMS version 2.6.2.50. It will not work with any other version iVMS software. You can download the firmware from HIKVISION website: [http://www.hikvision.com.au/download\\_89.html](http://www.hikvision.com.au/download_89.html)

This tech note has will only work with the above firmware & iVMS version.

## Before you begin

If you are going to connect the IP Intercom to the customer's network, then you will need to get a list of IP Addresses that you can use in each device on the IP Intercom.

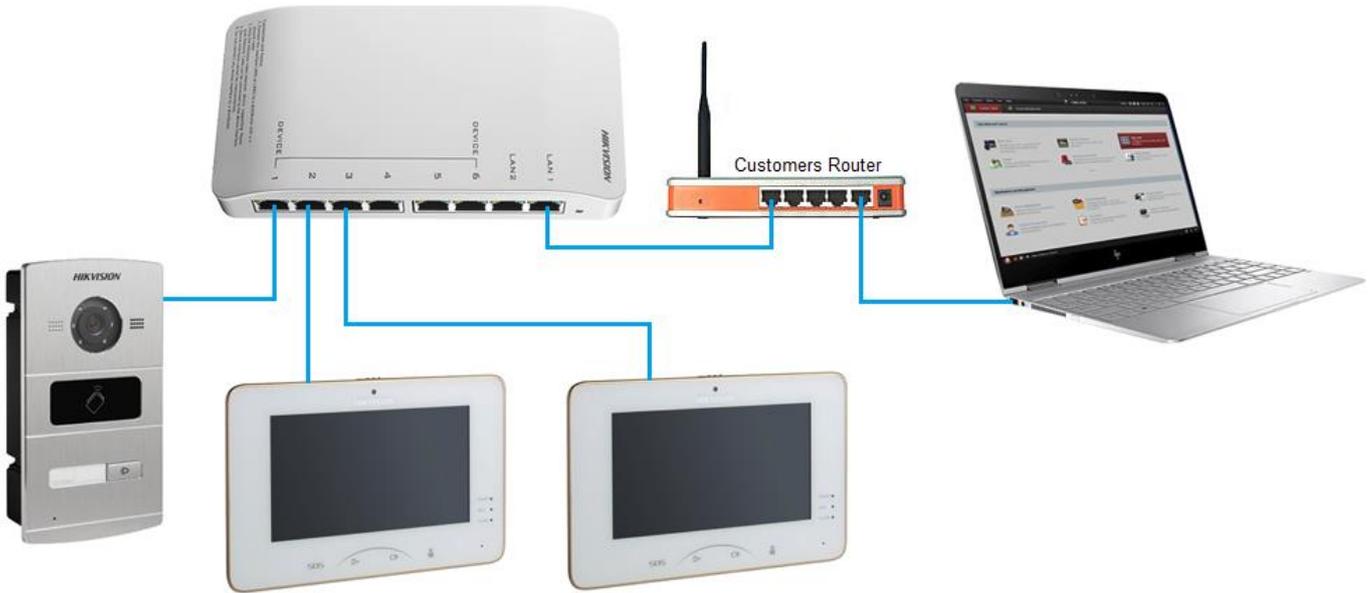
Keep in mind these IP addresses can't be used already on the customer's network and should not be part of the DHCP range.

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# Wiring Diagram

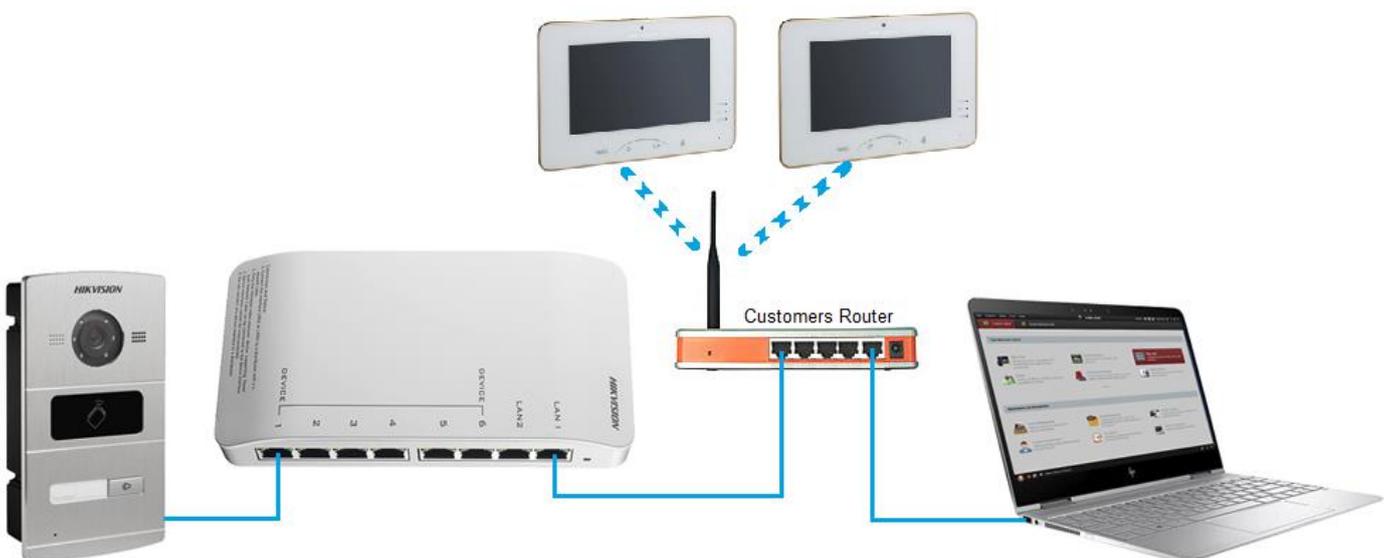
## Hardwired

When setting up the system as a hardwired system, then all indoor touch screens need to be hardwired to the video distributor. WiFi should be turned off on all touch screens. The video distributor then gets connected by either Lan1 or Lan2 on the video distributor to the customer's network.



## Wireless (WiFi)

When setting up the system as a WiFi system, then all indoor touch screens need to be connected to the customer's WiFi network. The Door station will still need to be hardwired to the video distributor, then gets connected by either Lan1 or Lan2 on the video distributor to the customer's network.



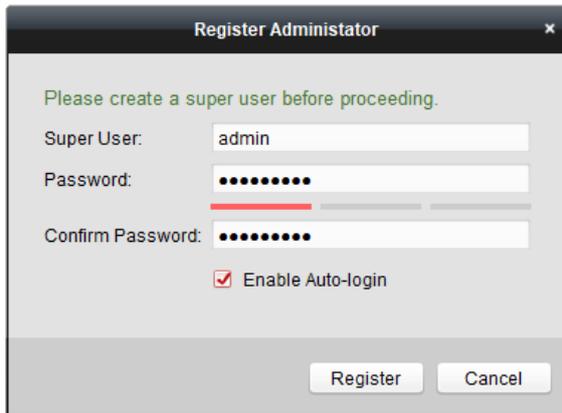
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## 1.1 Setting Up iVMS 4200

When you open iVMS 4200 for the first time it will ask you to enter a super user and password.

Enter in a secure username and password and click Register.

This will be the username and password to open the iVMS software. You can enable the 'Enable Auto-Login' so that the software doesn't ask you to enter in your username and password each time the iVMS software opens.

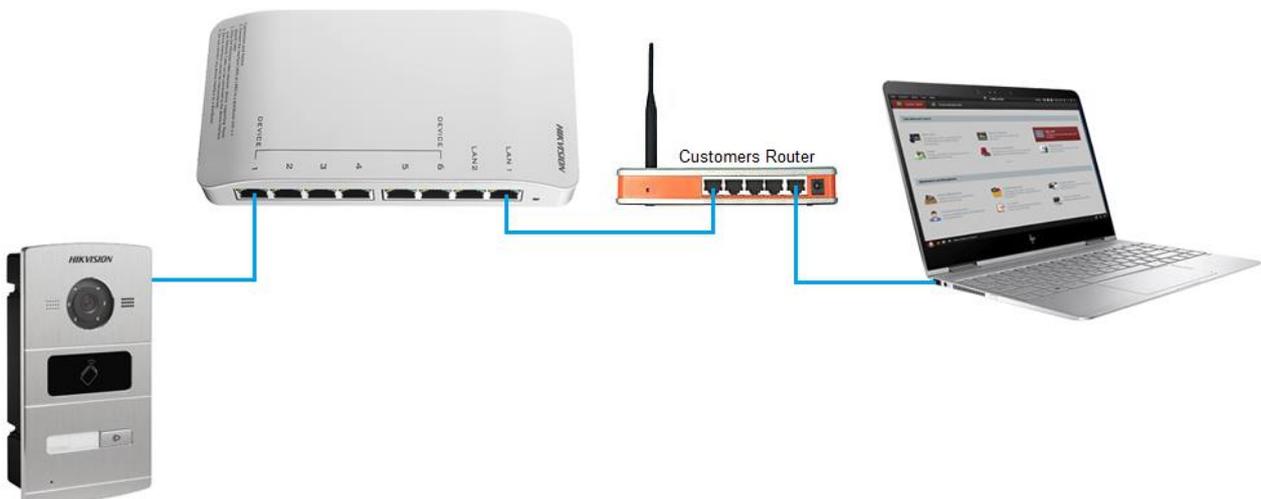


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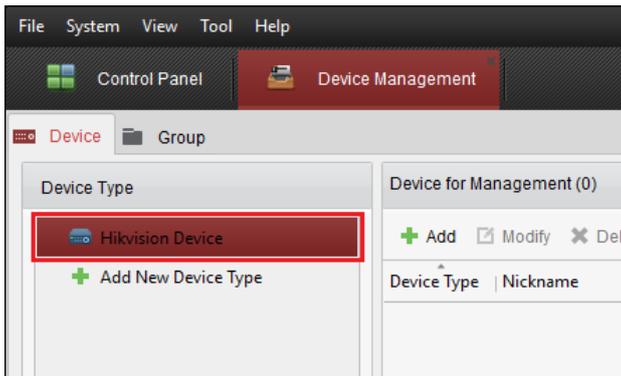
## 1.2 Setting Up Door Station

1. Plug in the door station into the HikVision Video Distribution PoE switch.

Note: The door station needs to be plugged into any of the first 6 ports.

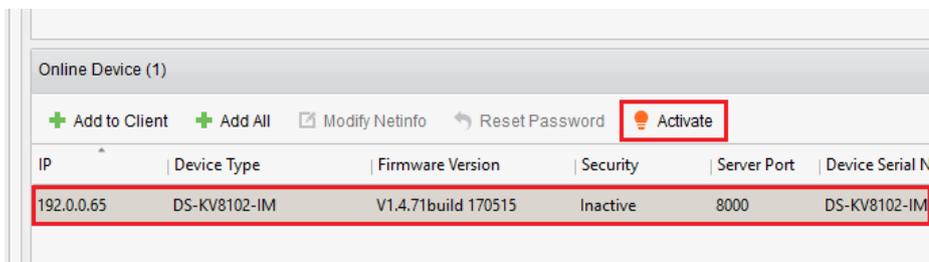


2. Select 'HikVision Device' from the left menu.

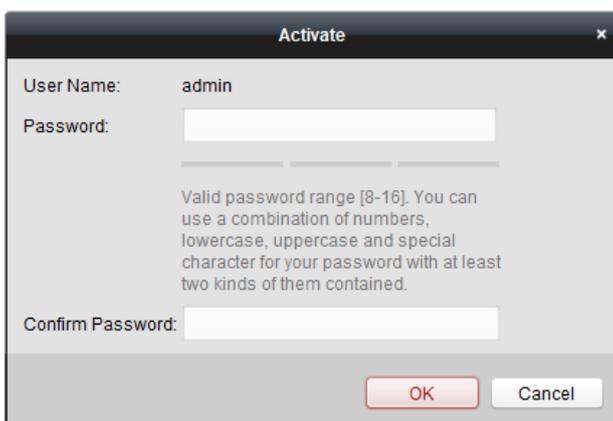


3. Select the door station from the list and click 'Activate'.

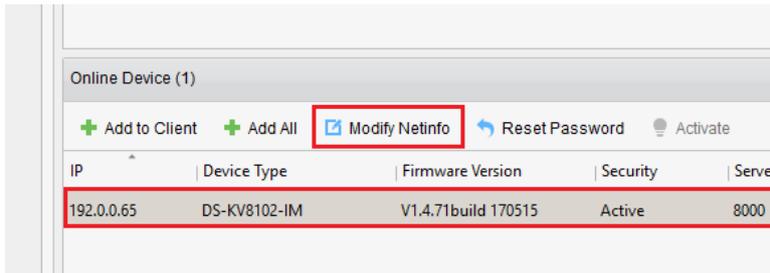
Note, it may take 1-2 minutes for your door station to appear after it has been powered up.



4. Enter in an activation password for this door station. You will need to remember this password as you will need it for later on.

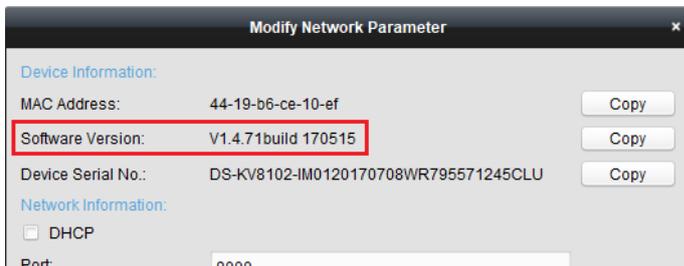


5. Once your door station has been activated, click on the door station from the list and click on 'Modify NetInfo'



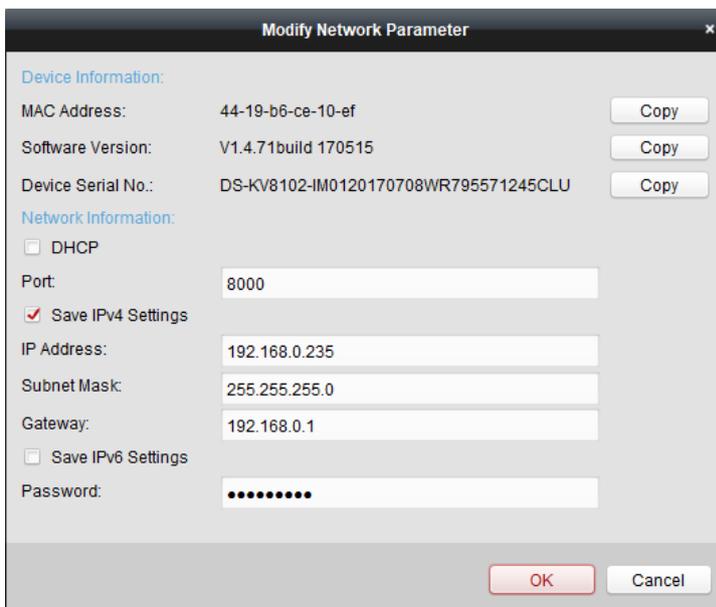
6. Make sure the Software version shows 'V1.4.71 build 170515'.

If your software version is different then you will need to update the firmware in your door station.

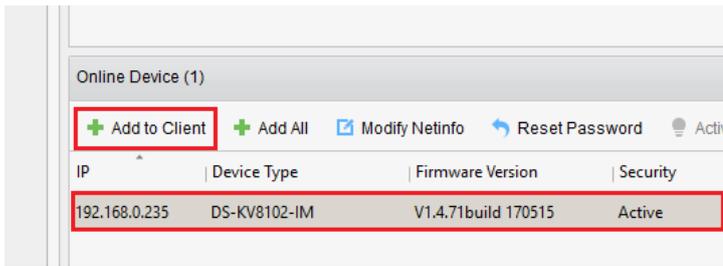


7. Change the network setting to match the networks settings of the customer's network. Make sure the IP address you use hasn't already been used on the customer's network.

Enter the password you used to activate this door station and then click on OK.

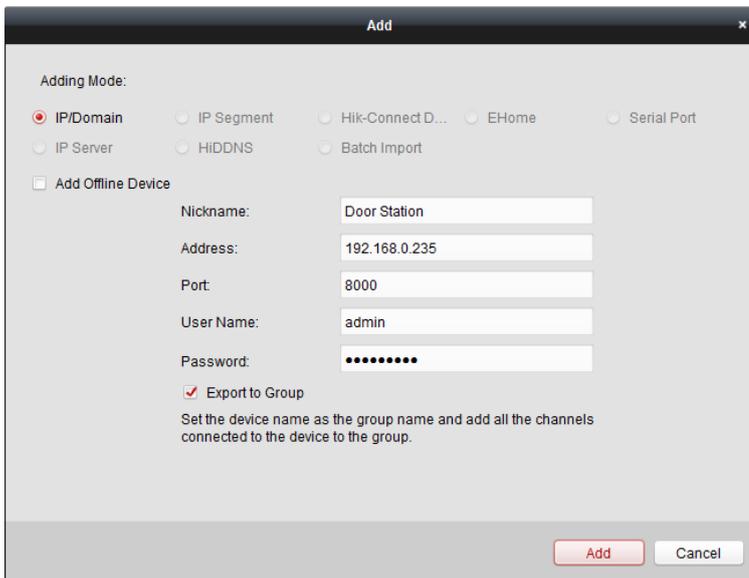


8. Select the door station and then click on 'Add to Client'

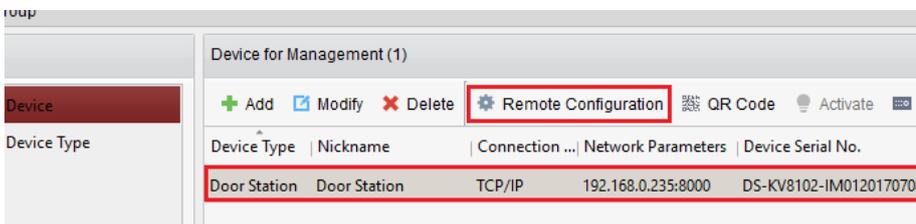


9. Give the door station a name.

Enter the password you used to activate the door station and click 'Add'.

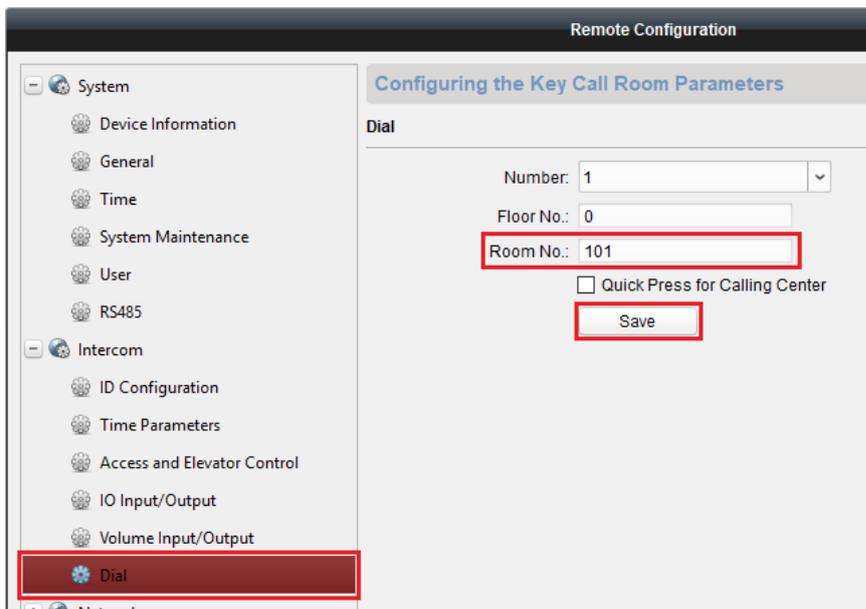


10. Once your device has been added, click on it from the list up the top, then click 'Remote Configuration'.



11. Select 'Intercom' > 'Dial' from the left menu.

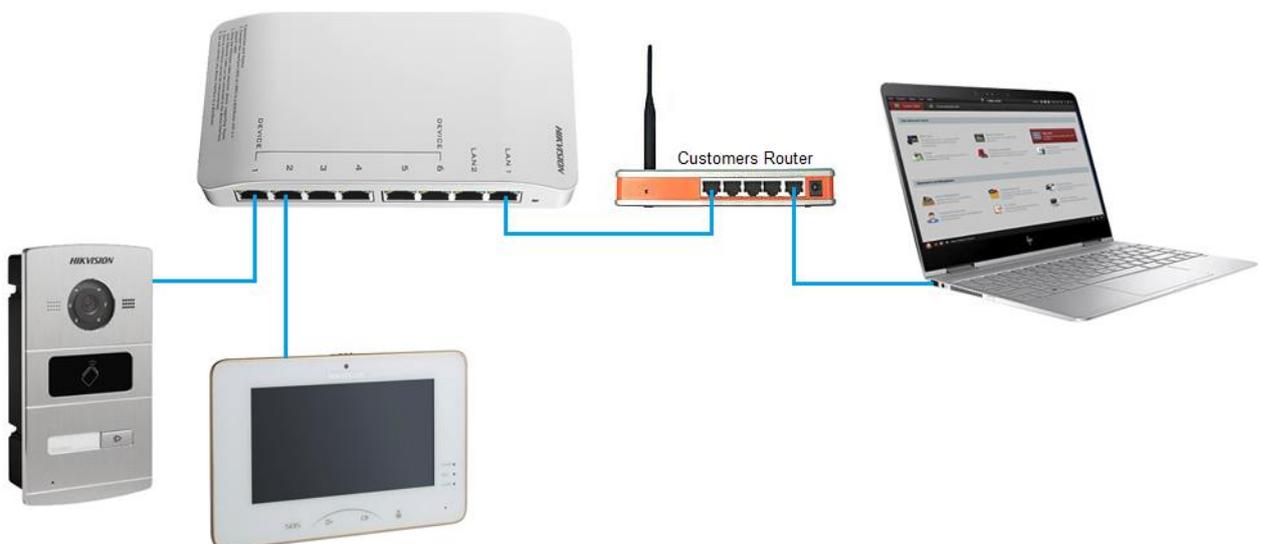
If your door station has multiple numbers, then you will need to do this for each of the buttons.



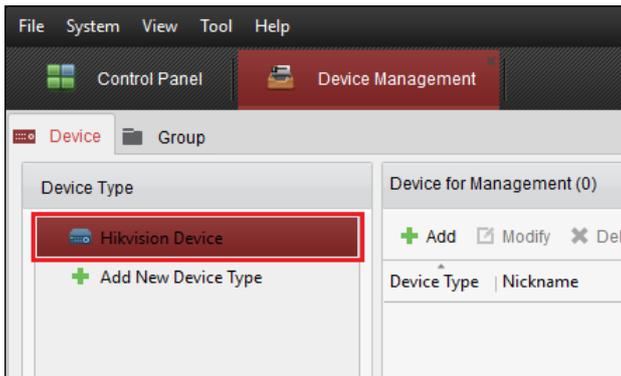
## 1.3 Setting Up Main Room Station

1. Plug in the touch screen into the HikVision Video Distribution PoE switch.

Note: The touch screen needs to be plugged into any of the first 6 ports.



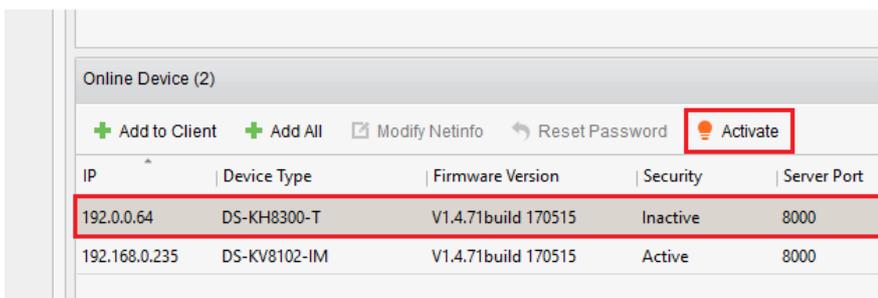
2. Select 'HikVision Device' from the left menu.



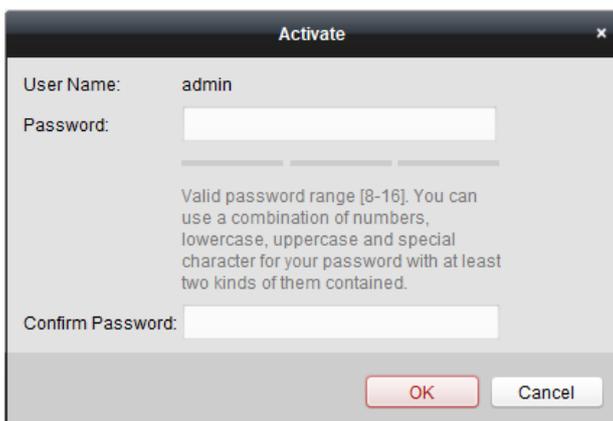
3. Select the room station from the list and click 'Activate'.

Note, it may take 1-2 minutes for your room station to appear after it has been powered up.

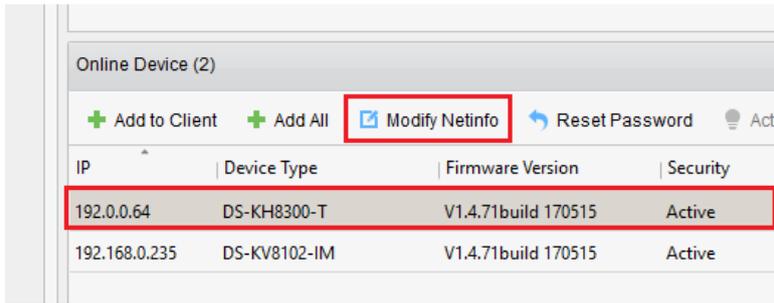
4. Select the room station from list and click activate.



5. Enter in an activation password for this room station. You will need to remember this password as you will need it for later on.

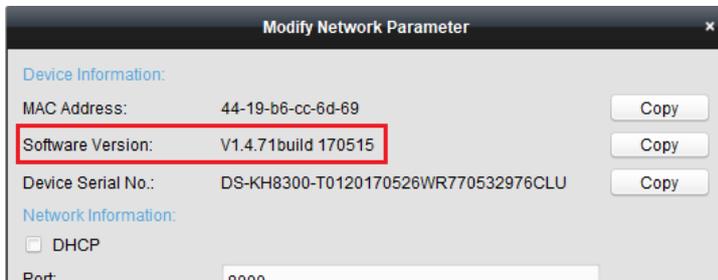


6. Once your room station has been activated, click on the room station from the list and click on 'Modify NetInfo'.



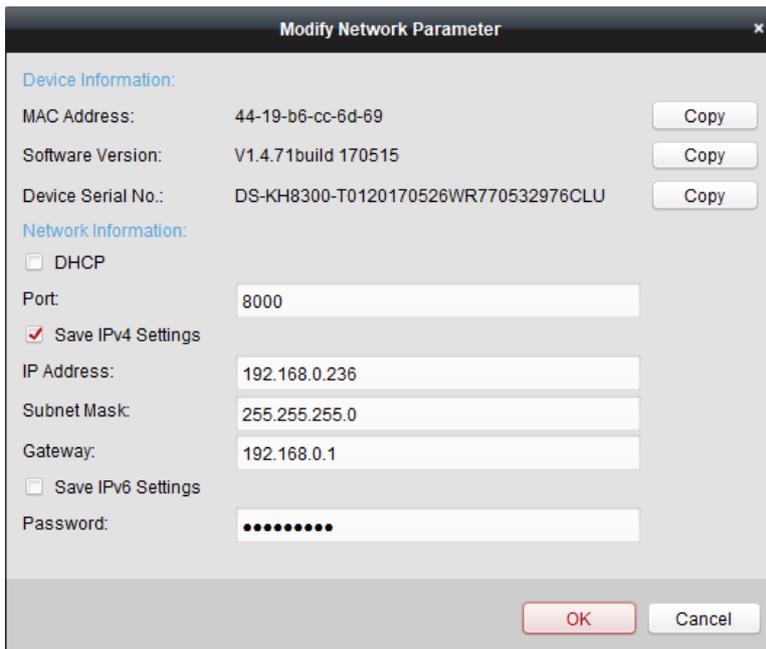
7. Make sure the Software version shows 'V1.4.71 build 170515'.

If your software version is different then you will need to update the firmware in your room station.

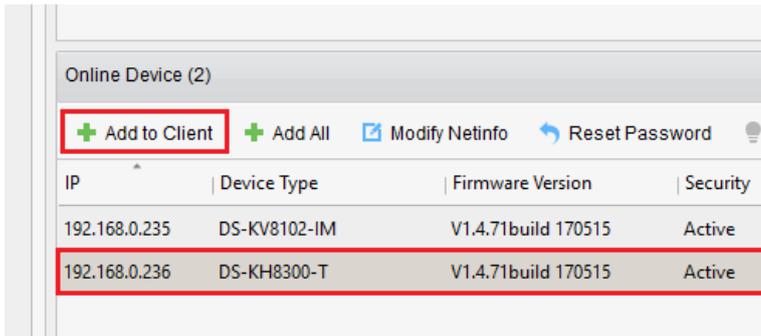


8. Change the network setting to match the networks settings of the customer's network. Make sure the IP address you use hasn't already been used on the customer's network.

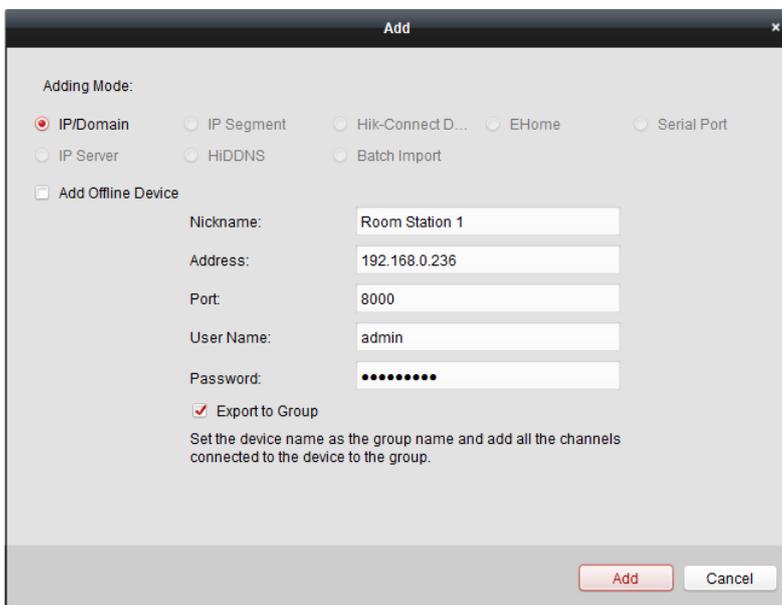
Enter the password you used to activate this room station and then click on OK.



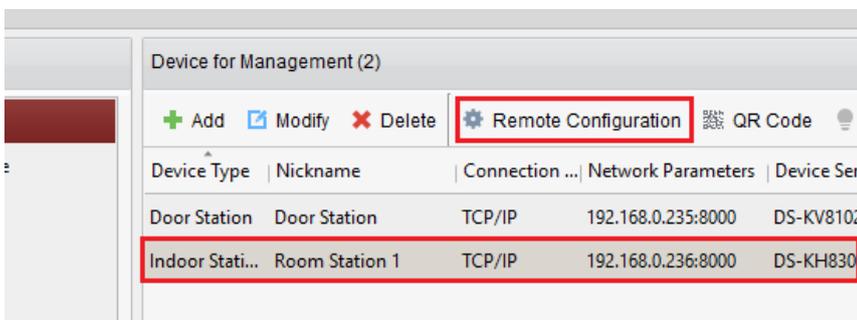
9. Select the room station and then click on 'Add to Client'



10. Give the room station a name and then enter the password you activated the room station with then click 'Add'.

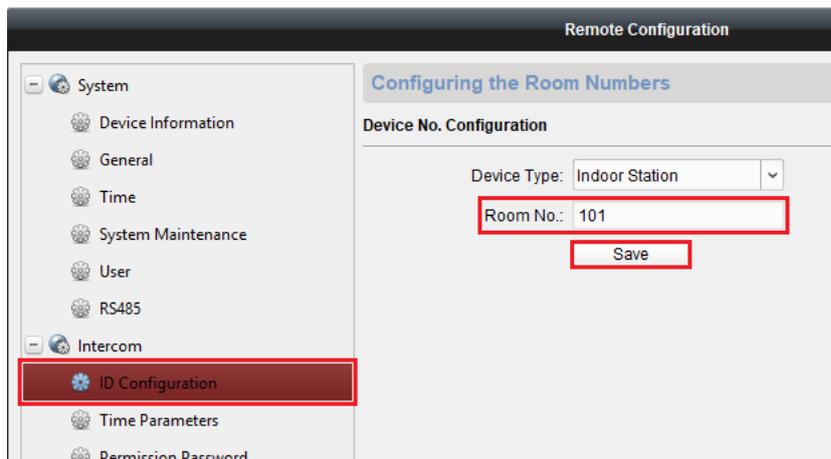


11. Select the room station from the list up the top, and then click 'Remote Configuration'.



12. Select 'Intercom' > 'ID Configuration' from the left side menu and then enter in the room number that was used while setting up the door station.

Then click Save.

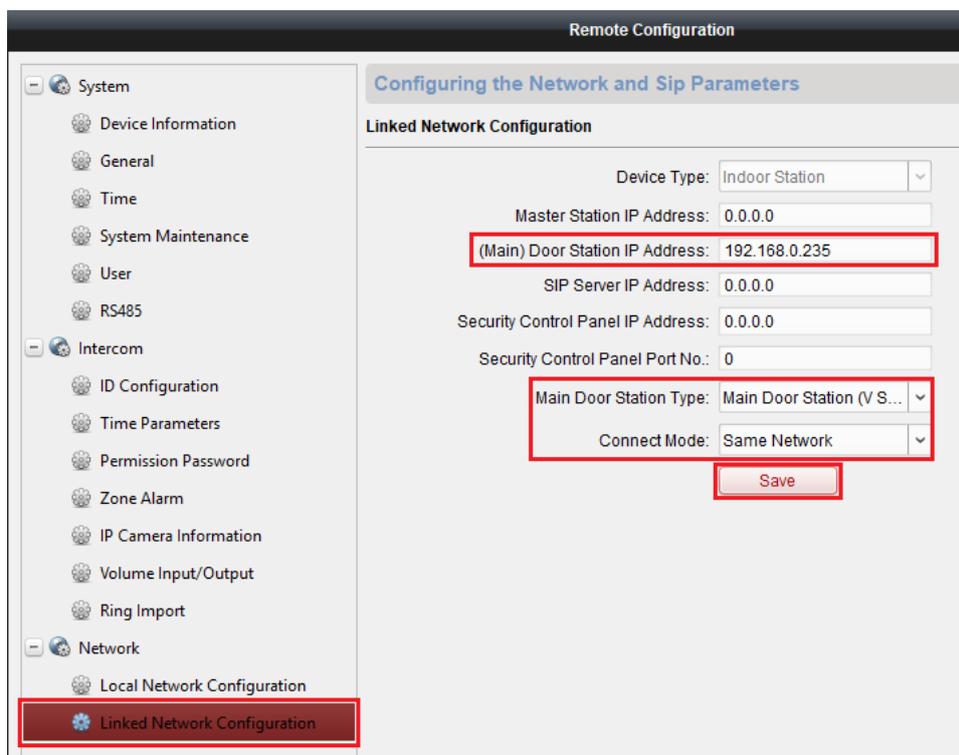


13. Select 'Network' > 'Linked Network Configuration' from the left side menu, and then enter in the door station IP address.

Change the 'Main Door Station Type' to 'Main Door Station (V Series)'.

Change 'Connect Mode' to 'Same Network'.

Then click Save.

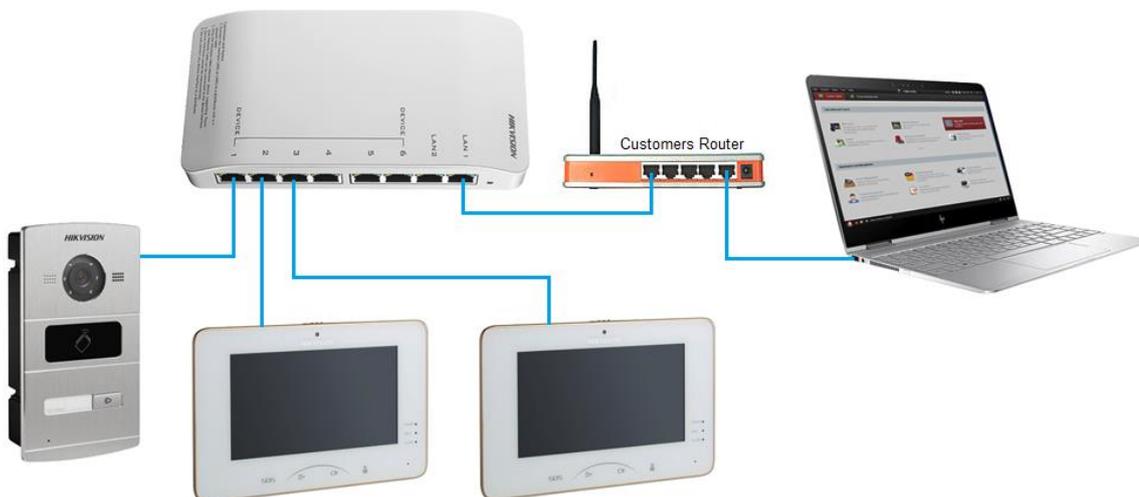


The Main room station is now setup and the room station will now ring when the doorbell has been pressed.

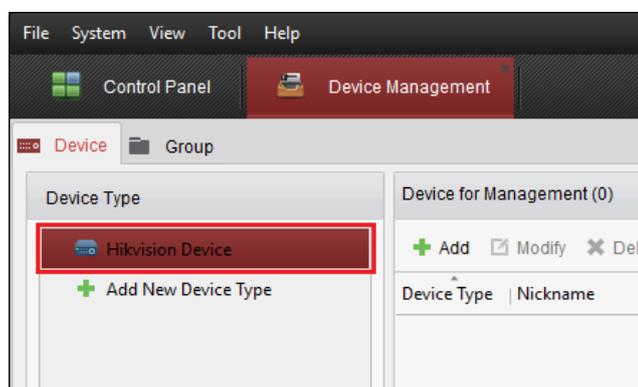
## 1.4 Setting Up Sub Room Station

1. Plug in the touch screen into the HikVision Video Distribution PoE switch.

Note: The touch screen needs to be plugged into any of the first 6 ports.



2. Select 'HikVision Device' from the left menu.



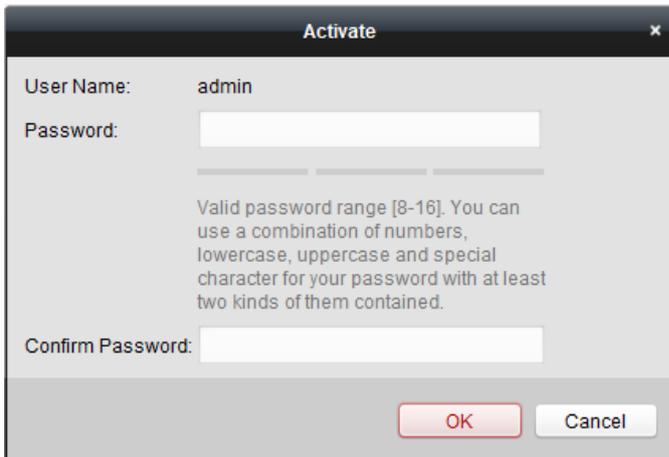
3. Select the room station from the list and click 'Activate'.

Note, it may take 1-2 minutes for your room station to appear after it has been powered up.

The screenshot shows the 'Online Device (3)' list. The 'Activate' button is highlighted. The first device in the list is highlighted with a red box.

IP	Device Type	Firmware Version	Security	Server Port	Device Serial N
192.0.0.64	DS-KH8300-T	V1.4.71build 170515	Inactive	8000	DS-KH8300-T0
192.168.0.235	DS-KV8102-IM	V1.4.71build 170515	Active	8000	DS-KV8102-IM
192.168.0.236	DS-KH8300-T	V1.4.71build 170515	Active	8000	DS-KH8300-T0

4. Enter in an activation password for this room station. You will need to remember this password as you will need it for later on.



Activate

User Name: admin

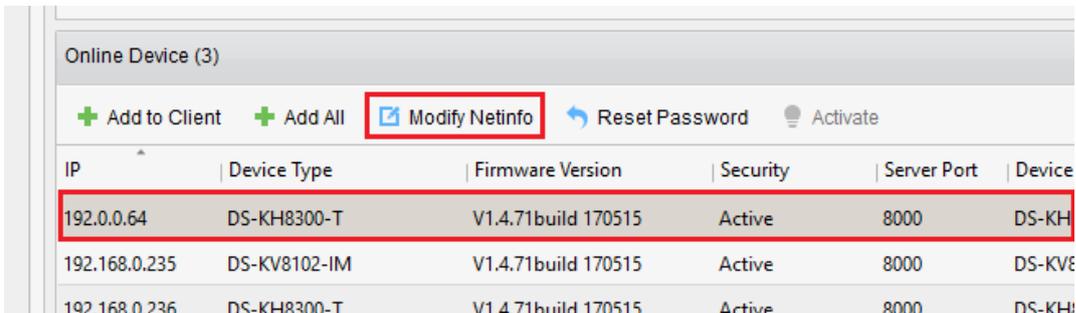
Password:

Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.

Confirm Password:

OK Cancel

5. Once your room station has been activated, click on the room station from the list and click on 'Modify NetInfo'.



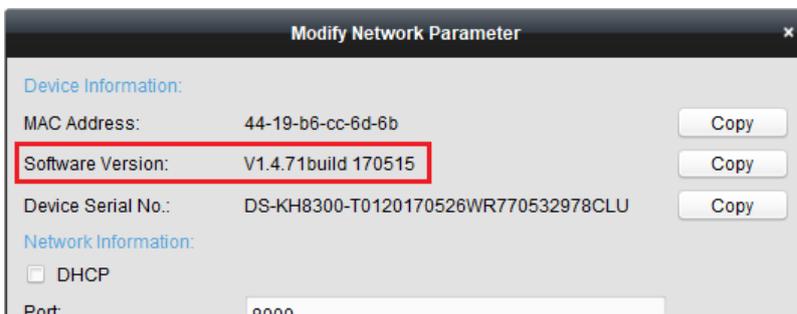
Online Device (3)

+ Add to Client + Add All **Modify NetInfo** Reset Password Activate

IP	Device Type	Firmware Version	Security	Server Port	Device
192.0.0.64	DS-KH8300-T	V1.4.71build 170515	Active	8000	DS-KH
192.168.0.235	DS-KV8102-IM	V1.4.71build 170515	Active	8000	DS-KVE
192.168.0.236	DS-KH8300-T	V1.4.71build 170515	Active	8000	DS-KH

6. Make sure the Software version shows 'V1.4.71 build 170515'.

If your software version is different then you will need to update the firmware in your room station.



Modify Network Parameter

Device Information:

MAC Address: 44-19-b6-cc-6d-6b Copy

**Software Version: V1.4.71build 170515** Copy

Device Serial No.: DS-KH8300-T0120170526WR770532978CLU Copy

Network Information:

DHCP

Port: 8000

7. Change the network setting to match the networks settings of the customer’s network. Make sure the IP address you use hasn’t already been used on the customer’s network. Enter the password you used to activate this room station and then click on OK.

**Modify Network Parameter**

**Device Information:**

MAC Address: 44-19-b6-cc-6d-6b

Software Version: V1.4.71build 170515

Device Serial No.: DS-KH8300-T0120170526WR770532978CLU

**Network Information:**

DHCP

Port: 8000

Save IPv4 Settings

IP Address: 192.168.0.237

Subnet Mask: 255.255.255.0

Gateway: 192.168.0.1

Save IPv6 Settings

Password: .....

8. Select the room station you just activated and then click on ‘Add to Client’.

Online Device (3)

IP	Device Type	Firmware Version	Security	Server Port	Device Seri
192.168.0.235	DS-KV8102-IM	V1.4.71build 170515	Active	8000	DS-KV8102
192.168.0.236	DS-KH8300-T	V1.4.71build 170515	Active	8000	DS-KH8300
192.168.0.237	DS-KH8300-T	V1.4.71build 170515	Active	8000	DS-KH8300

9. Give the room station a name and then enter the password you activated the room station with then click ‘Add’.

**Add**

Adding Mode:

IP/Domain  IP Segment  Hik-Connect D...  EHome  Serial Port

IP Server  HIDDNS  Batch Import

Add Offline Device

Nickname: Room Station 2

Address: 192.168.0.237

Port: 8000

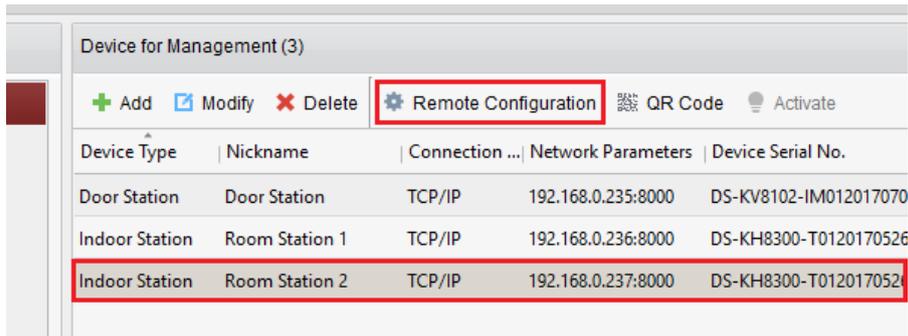
User Name: admin

Password: .....

Export to Group

Set the device name as the group name and add all the channels connected to the device to the group.

10. Select the room station from the list up the top, and then click 'Remote Configuration'.



The screenshot shows a web interface titled "Device for Management (3)". At the top, there are several action buttons: "+ Add", "Modify", "Delete", "Remote Configuration" (highlighted with a red box), "QR Code", and "Activate". Below the buttons is a table with the following columns: "Device Type", "Nickname", "Connection ...", "Network Parameters", and "Device Serial No.". The table contains three rows of data:

Device Type	Nickname	Connection ...	Network Parameters	Device Serial No.
Door Station	Door Station	TCP/IP	192.168.0.235:8000	DS-KV8102-IM012017070
Indoor Station	Room Station 1	TCP/IP	192.168.0.236:8000	DS-KH8300-T0120170526
Indoor Station	Room Station 2	TCP/IP	192.168.0.237:8000	DS-KH8300-T0120170526

11. Select 'Intercom' > 'ID Configuration' from the left side menu.

12. You can have up to 5 sub room stations per system. (1 Main Room Station + 5 Sub room station. Total of 6 Room Stations).

Change the Device Type to 'Station Extension' since this is a sub room station we are adding.

Each sub room station needs to be set as:

Room Station 1: This is the main Room Station

Room Station 2: No = 1

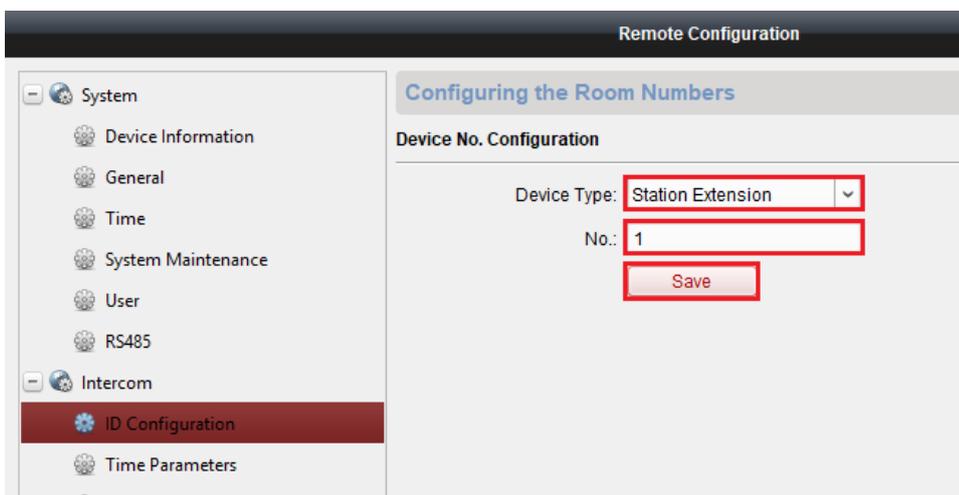
Room Station 3: No = 2

Room Station 4: No = 3

Room Station 5: No = 4

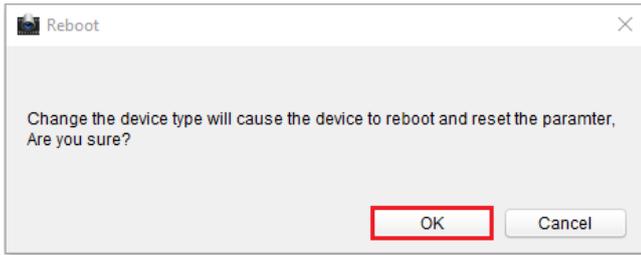
Room Station 6: No = 5

Once the No. and station extension has been set, press Save.



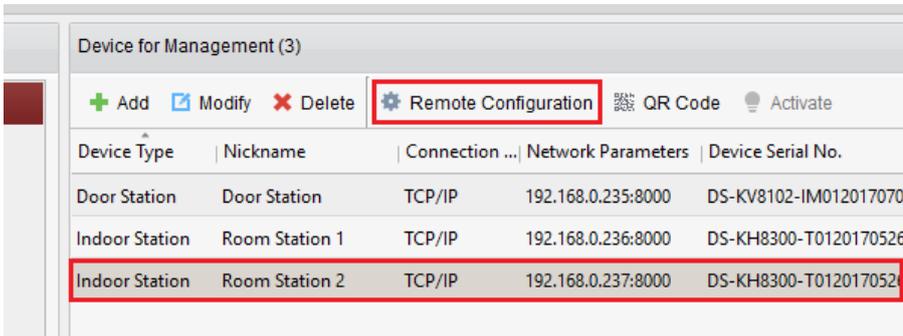
The screenshot shows the "Remote Configuration" interface. On the left is a navigation menu with "System" and "Intercom" sections. Under "Intercom", "ID Configuration" is selected. The main content area is titled "Configuring the Room Numbers" and contains a "Device No. Configuration" section. In this section, "Device Type" is set to "Station Extension" (highlighted with a red box) and "No." is set to "1" (also highlighted with a red box). A "Save" button is visible below the input fields.

13. The Room Station needs to reboot after pressing Save. Click on OK to reboot the device.



Wait until the room station reboots before continuing.

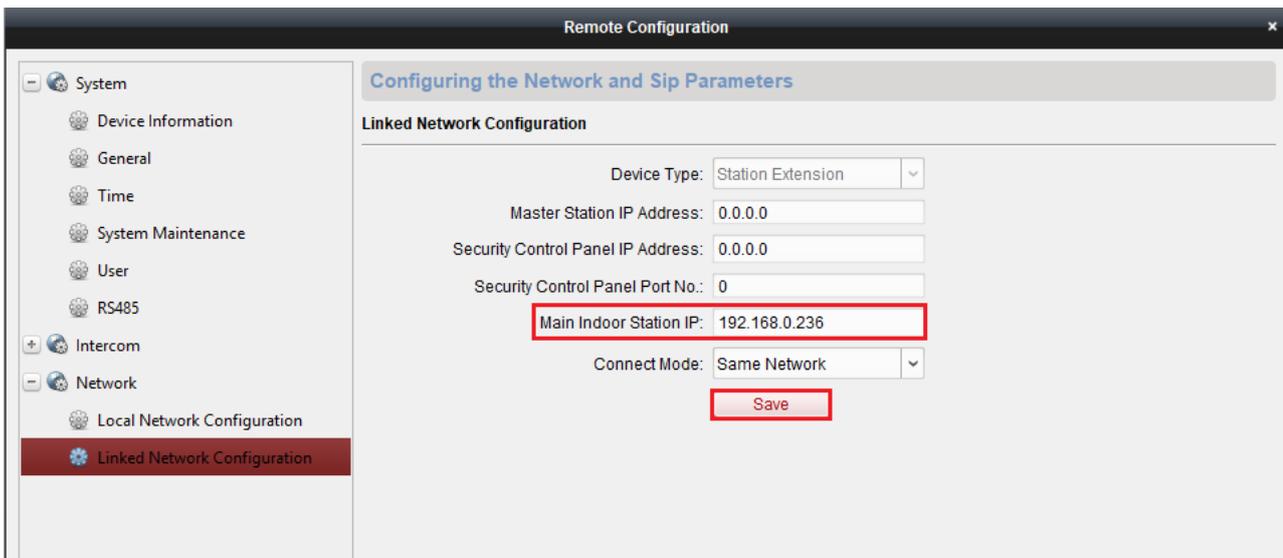
14. Re-Select the room station from the list up the top, and click 'Remote Configuration'.



15. Select 'Network' > 'Linked Network Configuration' from the left side menu.

16. Change the 'Main Indoor Station IP' to the IP address you used in the main room station.

Then click Save.



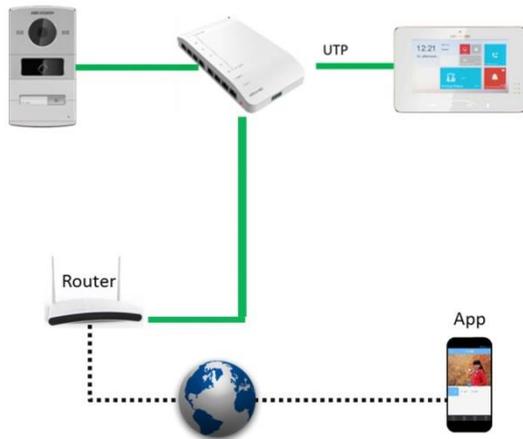
The Main room station is now setup and the room station will now ring when the doorbell has been pressed.

You need to do this for each of the sub room stations you are adding to the system.

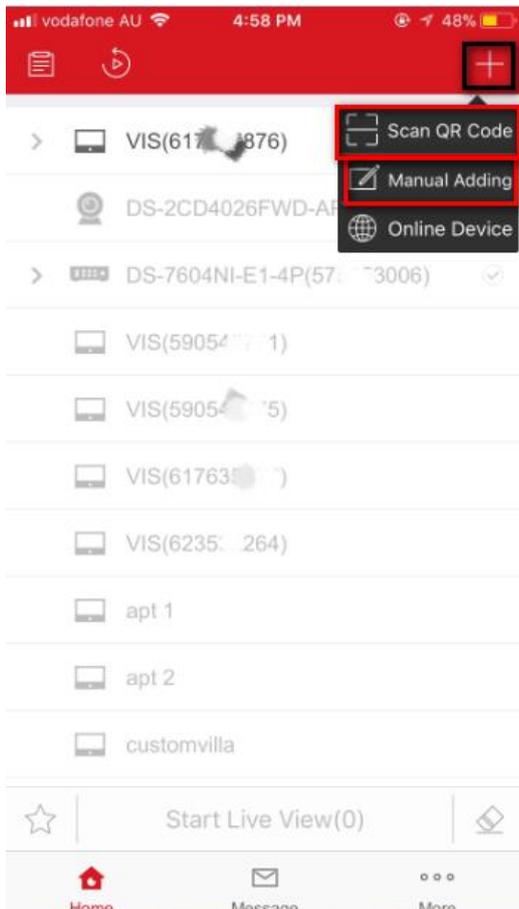
## 1.5 Setting Up APP connection

1: Search and Download the APP "HIK-Connect"

2: Before adding the device to APP, run a hardwired cable from the Lan port of video distributor to the router. Make sure that all devices are able to get access to internet. System layout as below.



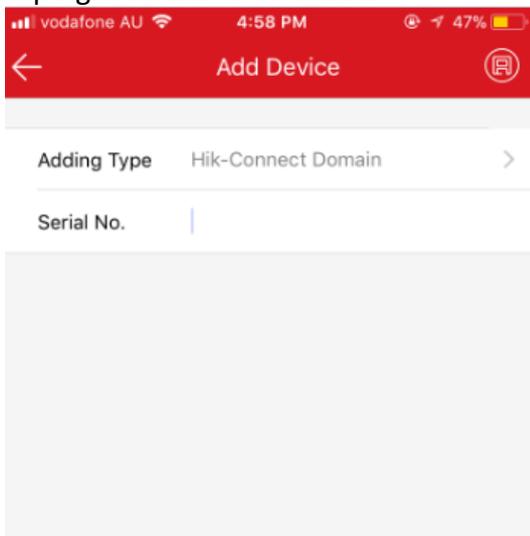
3: Go to the APP "HIK-Connect", there is "plus" button in the home page . Press it and then choose "scan QR Code" or "Manual Adding" to add the device.



4: In the back of room station, there is a “SN ” number and also QR code(only the model with “W” would have the QR code). QR code is for scanning adding . SN is for manual adding



5: Here we use manual adding. Input the SN number and then press the button on the top right corner to continue.



6: Press “add” to finish adding room station to the APP.

