Setting Up The Hikvision IP Intercom For The First Time

Introduction

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

Notes

When using firmware version **1.4.72** Build 20171228, it requires iVMS version 2.6.2.51. It will not work with any other version iVMS software. (Please note that DS-KB8112-IM is using a special firmware which is 'V1.4.5_180108')

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.

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.
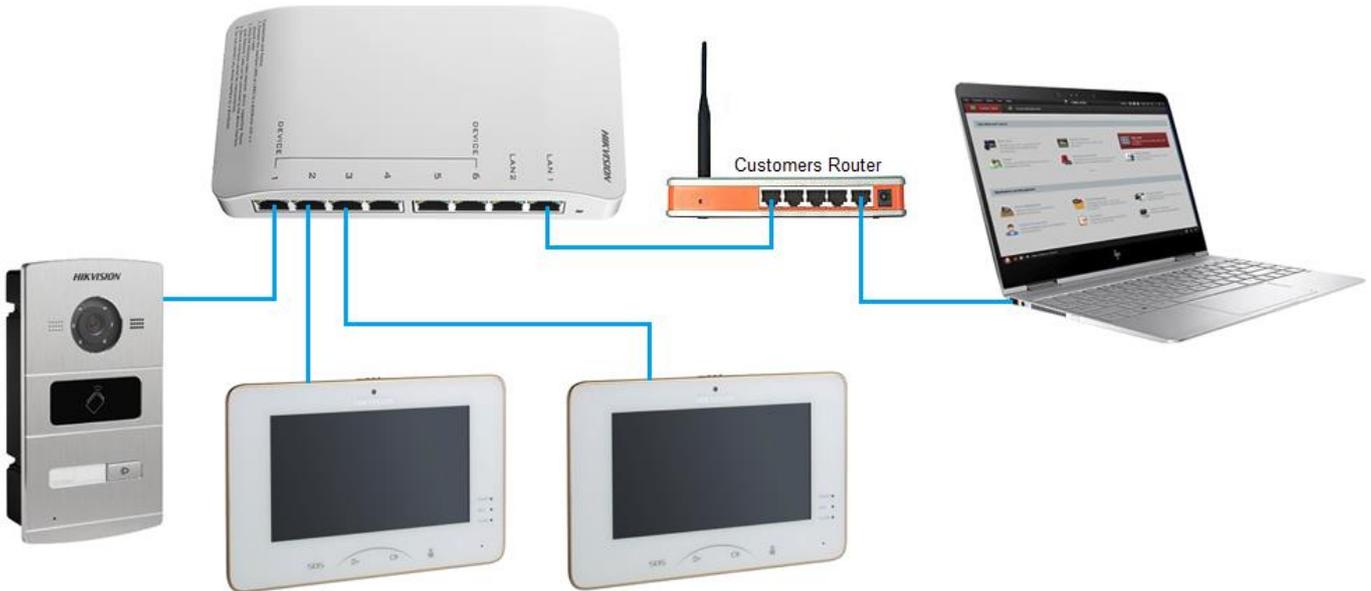
Wireless (WiFi)

When setting up the system as a WiFi system, then all indoor touch screens need to be connected to the customers 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.
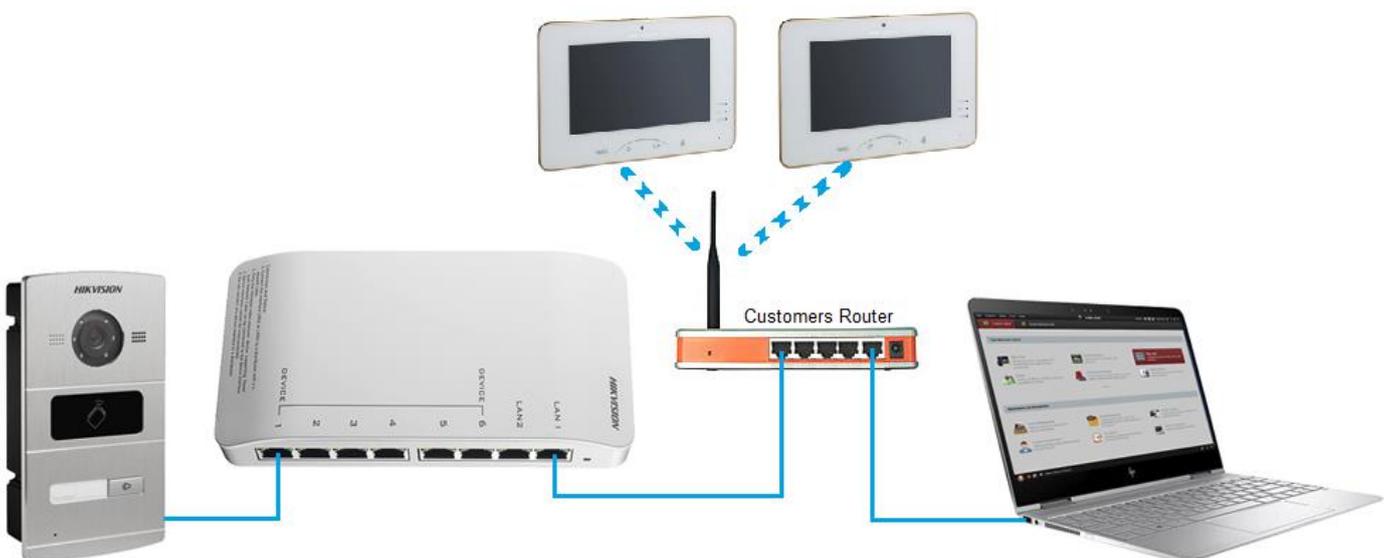
1.1   Setting Up iVMS 4200

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 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.
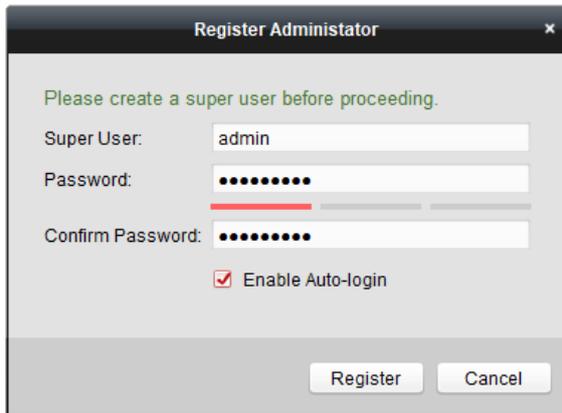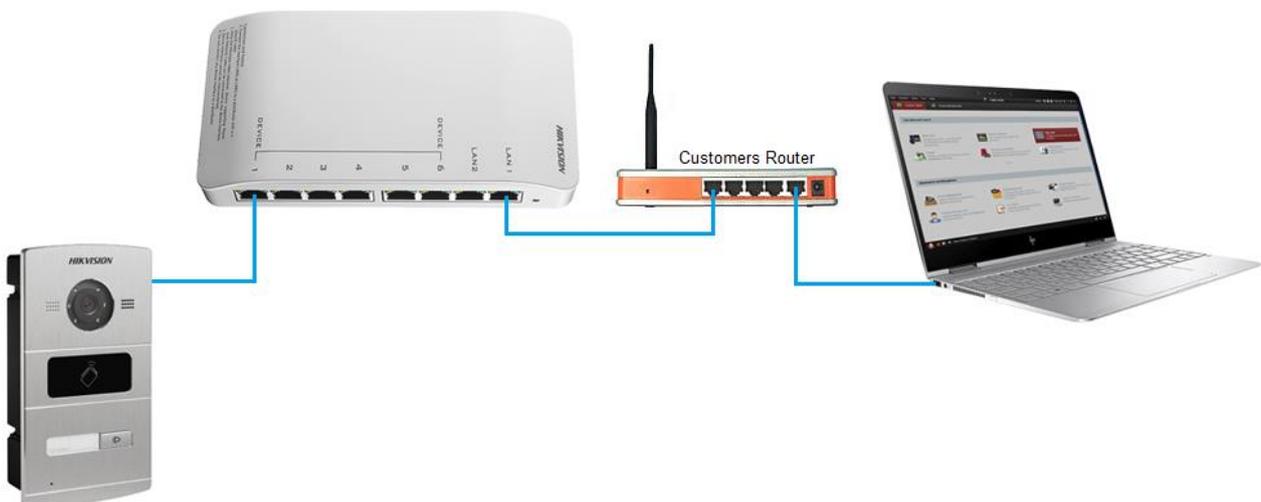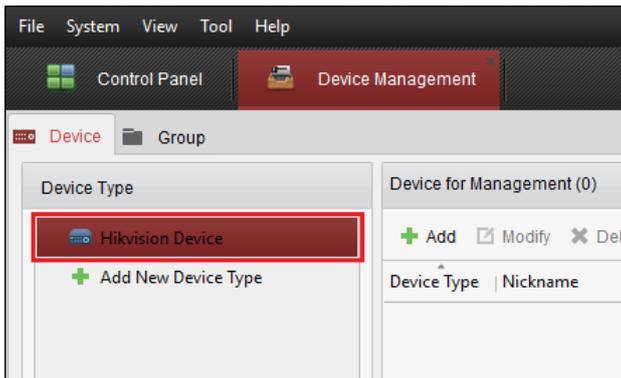

1.2   Setting Up Door Station

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. But apartment door station requires external 12V DC power supply
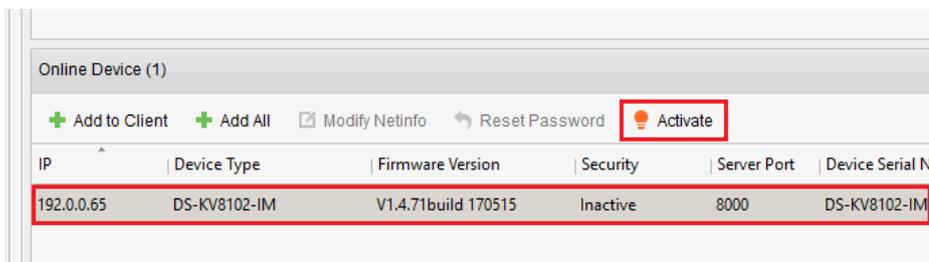
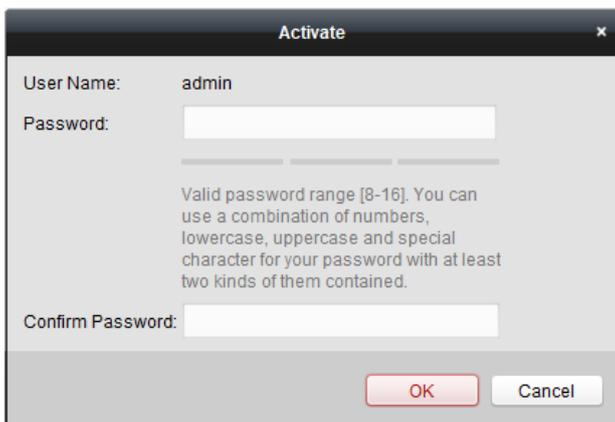2.   Select 'HikVision Device' from the left menu.

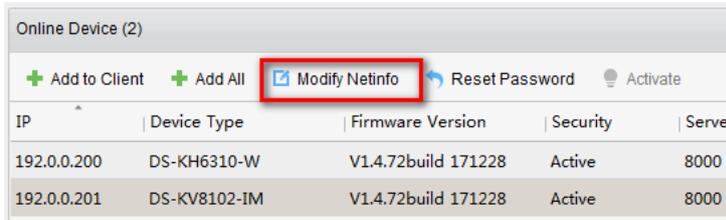3.   Select the door station from the list and click 'Activate'.

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.

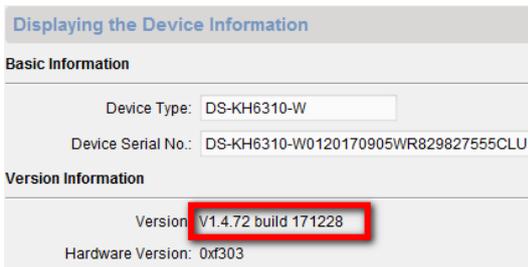5. Once your door station has been activated, click on the door station from the list and click on 'Modify NetInfo'

6. Make sure the Software version shows 'V1.4.72 build 171228'. If you are using 'DS-KB8112-IM', then it should show as 'V1.4.5_180108'

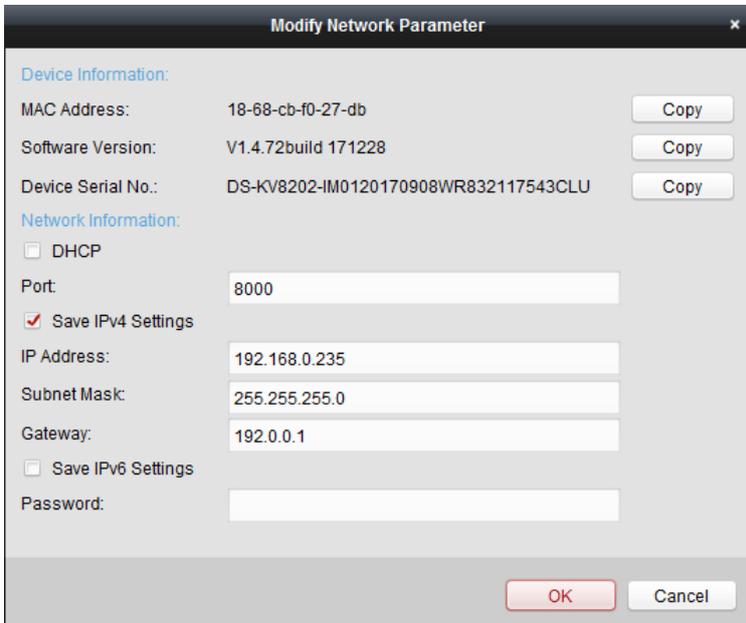If your software version is different then you will need to update the firmware in your door station.
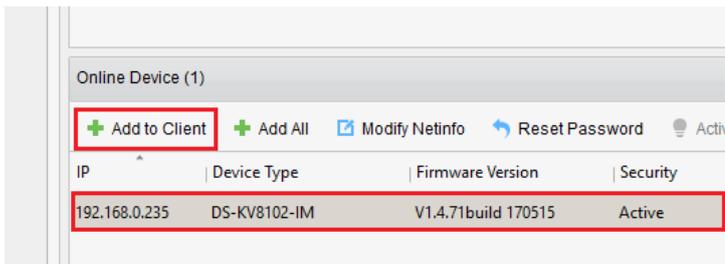

7. Change the network setting to match the networks settings of the customer's network. Make sure the IP address you use hasn't already been used on the customer's network.

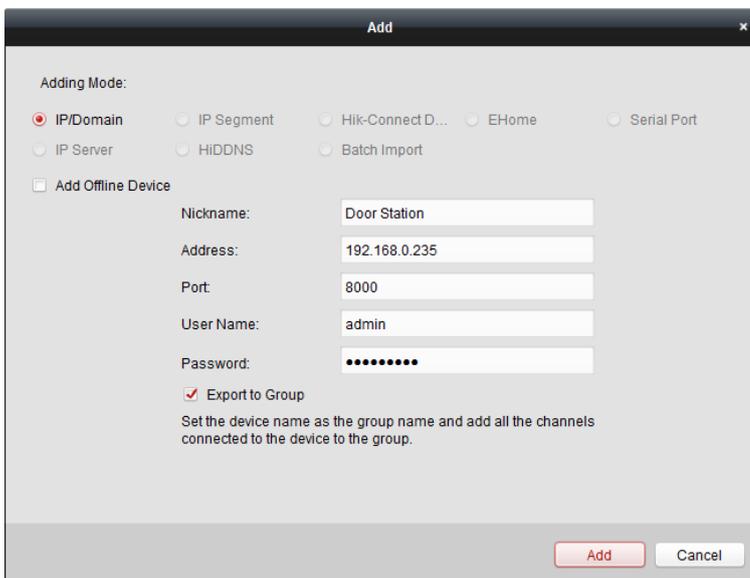Enter the password you used to activate this door station and then click on OK.

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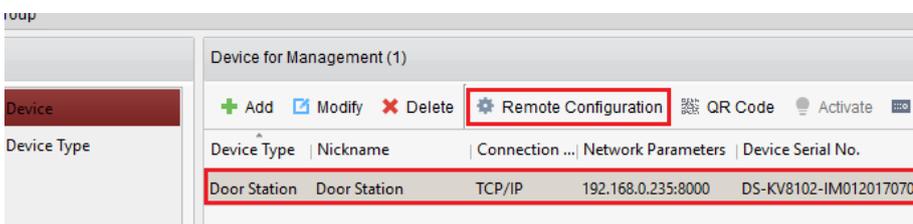

9. Give the door station a name.

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 you are using one button villa door station or apartment door station, you can just skip this part.
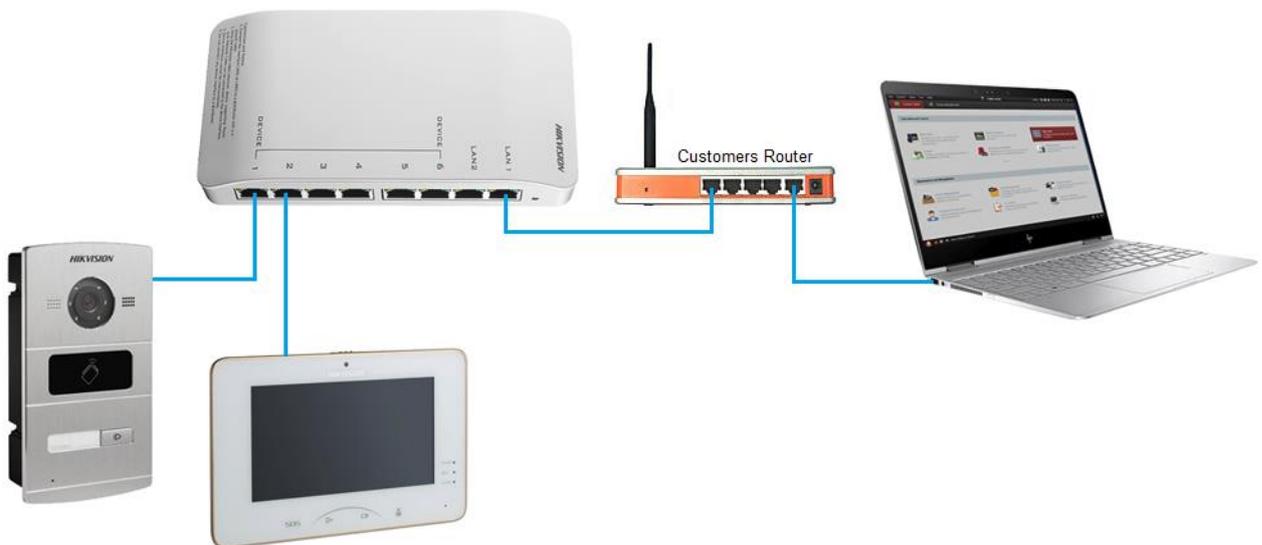
If you are using multiple buttons villa door station, then you will need to input the room NO for each of the buttons.
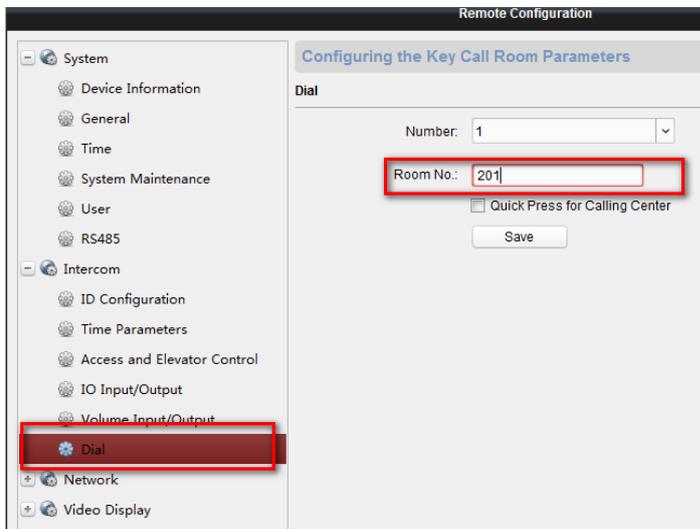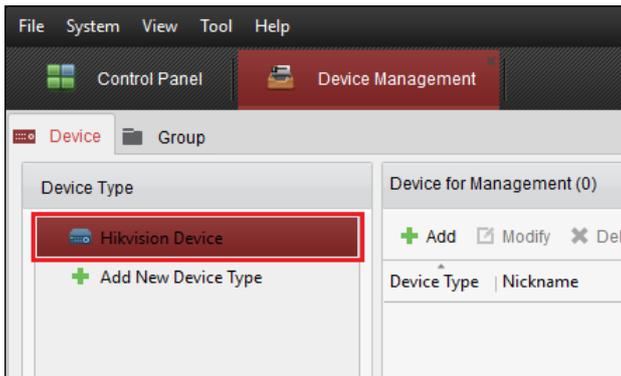

1.3 Setting Up Main Room Station

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

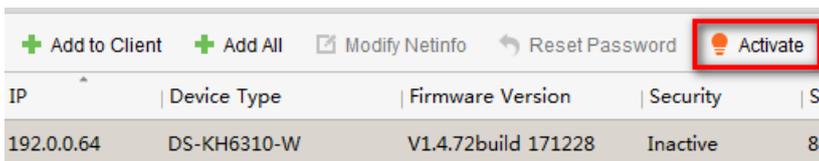Note: The touch screen needs to be plugged into any of the first 6 ports.

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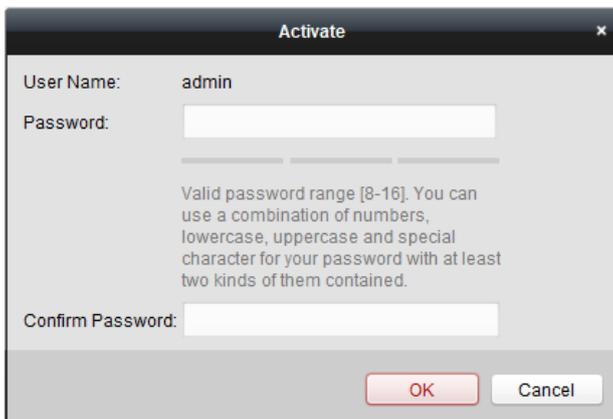
6. Once your room station has been activated, click on the room station from the list and click on 'Modify NetInfo'.

7. Make sure the Software version shows 'V1.4.72 build 171228'.

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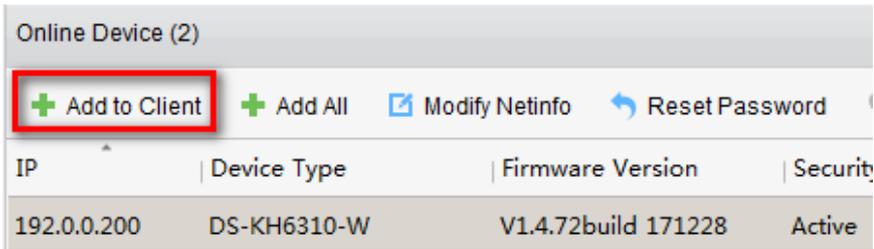
10. Give the room station a name and then enter the password you activated the room station with then click 'Add'.

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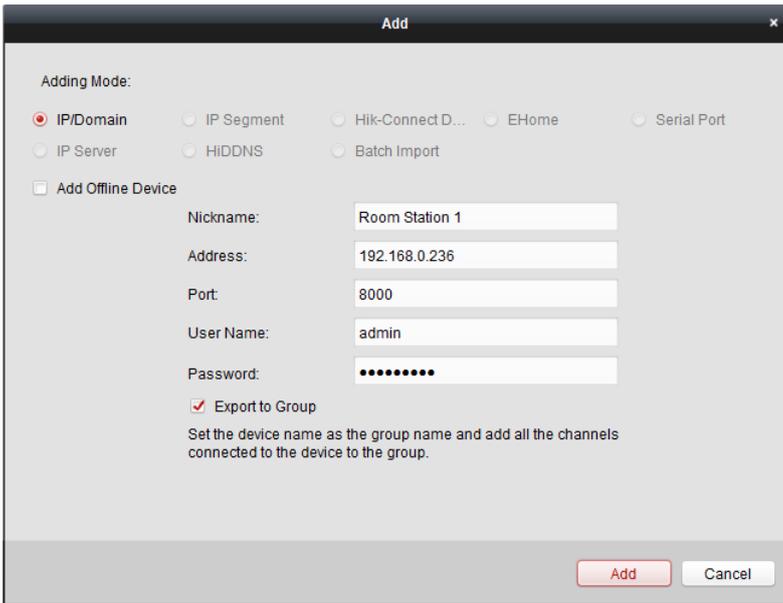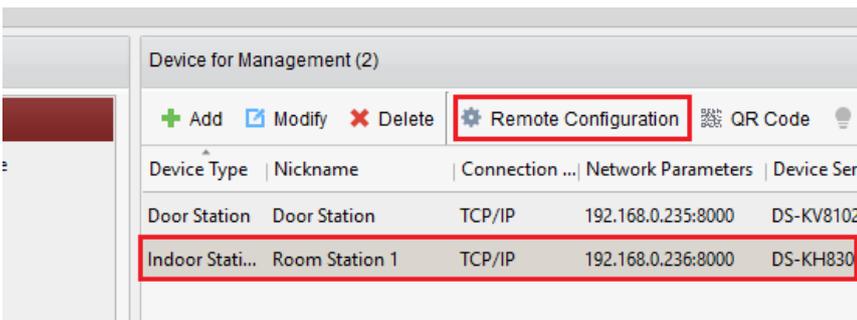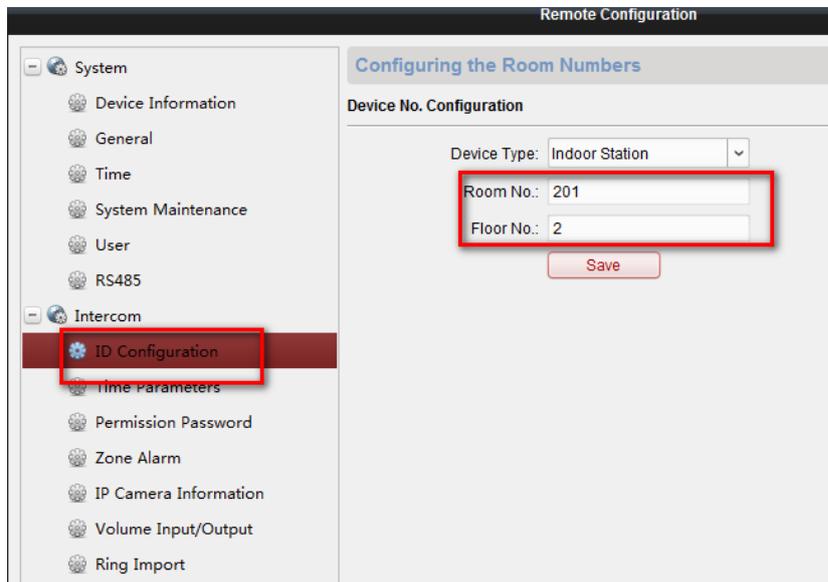
12. Select 'Intercom' > 'ID Configuration' from the left side menu and then enter in the room number that was used while setting up the door station.

Floor NO is for lift control use , so if there is no lift control in the system , just put any Floor NO there.
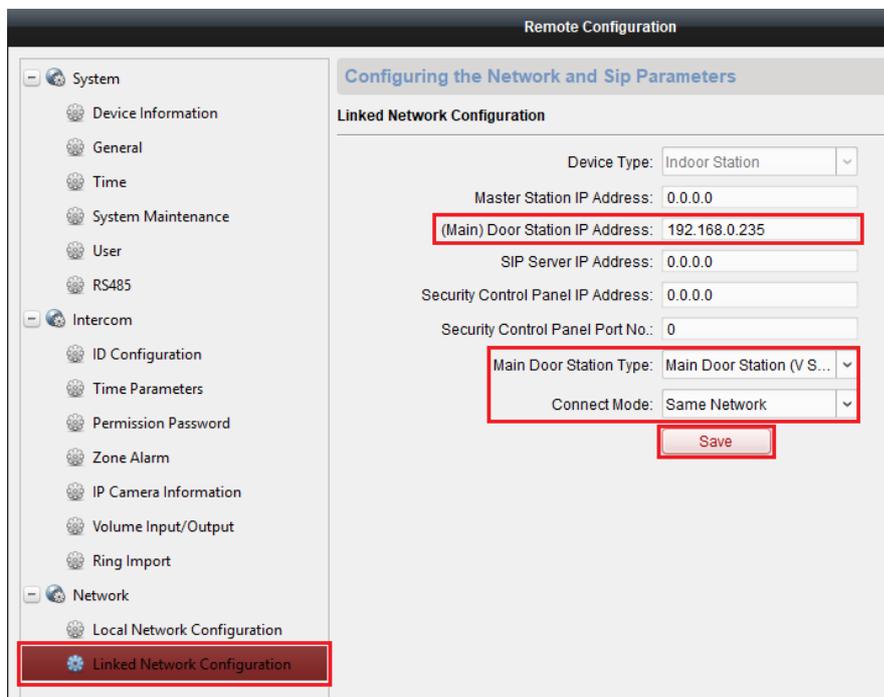
Then click Save.

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)'.

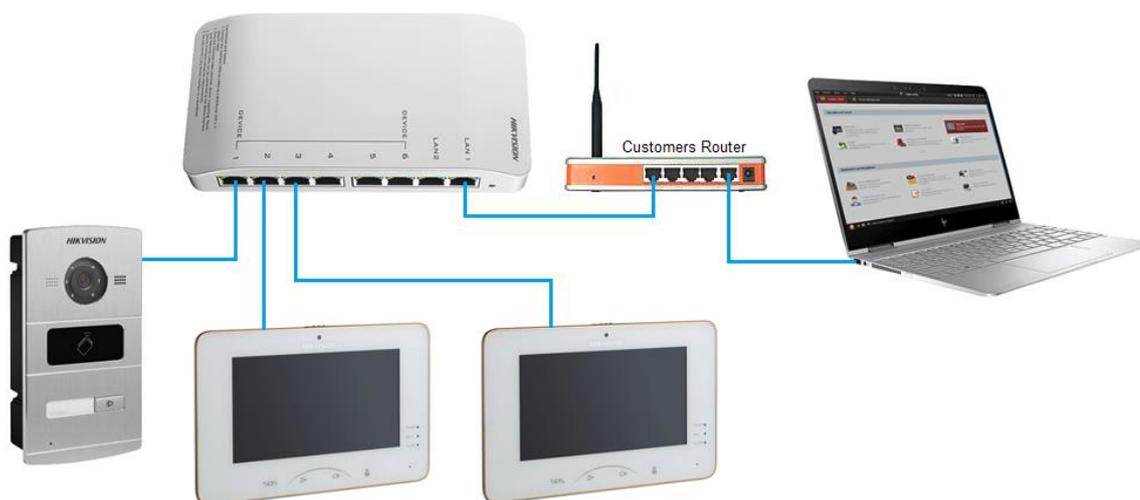Change 'Connect Mode' to 'Same Network'.

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. The beginning setting is the same as the first indoor station. You need to active it, add it to the client and confirm the firmware version
3. Select the room station from the list up the top, and then click 'Remote Configuration'.

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

5. 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.

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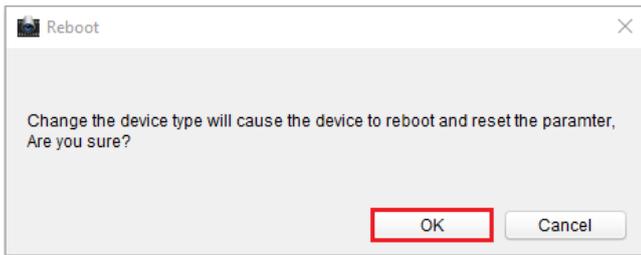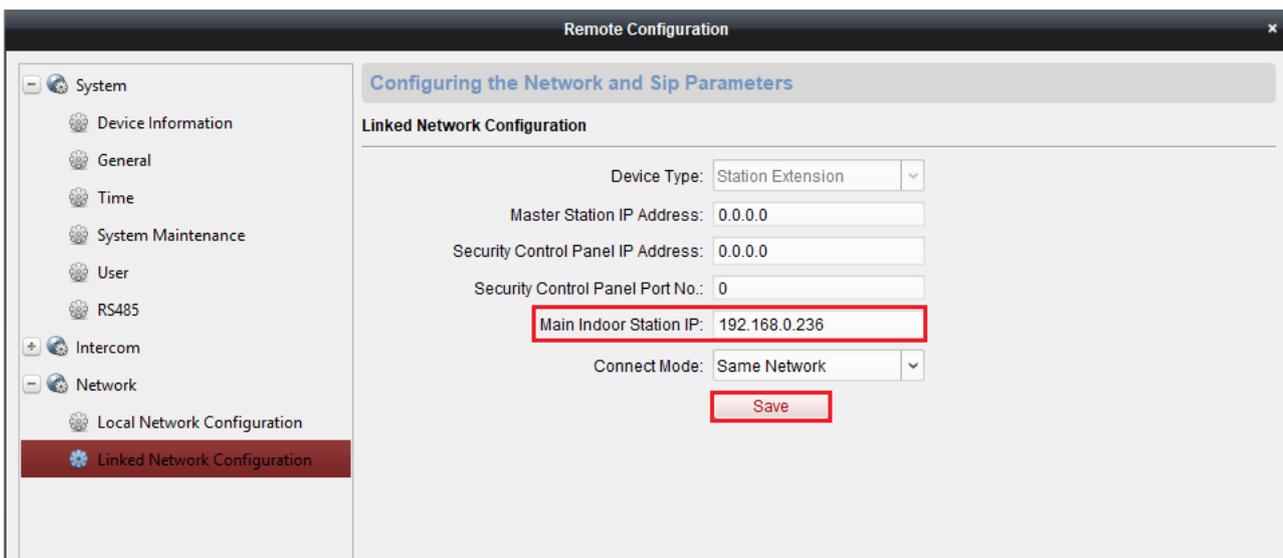

Wait until the room station reboots before continuing.

7.   Re-Select the room station from the list up the top, and click 'Remote Configuration'.
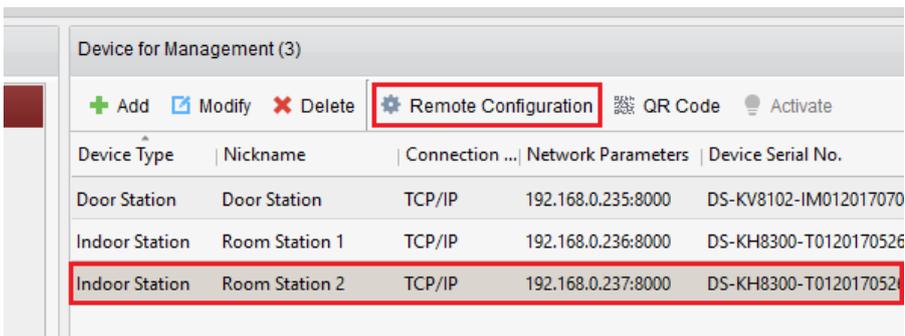
8.   Select 'Network' > 'Linked Network Configuration' from the left side menu.

9.   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.

10. To do the internal call, in the main room station, you need to dial extension NO which is "1". To dial main room station, you need to dial "0" in the extension station