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.

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.

Products

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>104-829</td>
<td>DS-KH8301-WT Video Intercom Room Station (WiFi)</td>
</tr>
<tr>
<td>104-828 / 104-828B</td>
<td>DS-KH8300 Video Intercom Room Station (White)</td>
</tr>
<tr>
<td>104-834</td>
<td>DS-KAD612 Video Intercom Video/Audio Distributor (16 Port)</td>
</tr>
<tr>
<td>104-833B</td>
<td>DS-KAD606-N Video Intercom Video/Audio Distributor (8 Port)</td>
</tr>
<tr>
<td>104-821</td>
<td>DS-KB8112-IM Video Intercom Water Proof Door Station</td>
</tr>
<tr>
<td>104-825</td>
<td>DS-KD8002-VM Video Intercom Door Station</td>
</tr>
<tr>
<td>104-826</td>
<td>DS-KD8102-V Video Intercom Door Station</td>
</tr>
<tr>
<td>104-827</td>
<td>DS-KM8301 Video Intercom Master Station</td>
</tr>
</tbody>
</table>
1.1 Release Notes

Firmware version: 1.4.71 Build 170515

- Maximum of room extensions is now only 5. (1 main + 5 sub rooms, total of 6 rooms).
- Limited screen tiles to only 1 page.
- Added a ‘Sleep’ button to turn off the screen. Touch the screen to wake it up. Room station will also wake up when incoming call is made.
- Turn on/off ‘Scene Mode’ and ‘Elevator Control’ tiles when not being used. (turned off by default)
- Multi Language support. (English default) After changing language device needs to be powered cycled for language to apply.
- Easier calling extensions.
- Changed the default admin password. Default is now 123456.
- Replaced ‘Same LAN’ button with ‘Email Link’.
- Added missed call to email function. Email will include images from the door station when there is a missed called. (only 1 user can receive the email)
- Added function to switch between the IP Intercom Door Station camera and 1 CCTV camera when answering the incoming call from the door station.
- Added support for a hostname to be entered as the NTP server address.
- Input 3 on the indoor station can be used as a doorbell input.
- Hardwired Indoor station can now be connected to Hik-Connect by the network cable.
- Enhanced the audio streaming to make it more reliable.
- Audio volume is now louder than before.
- Added monitor mode to have audio streaming on the indoor station.
- Issue cards without card issuer.
- No longer require to default device after applying firmware
- Audio button on live view now changes state when pressed.
- Indoor station now supports IPC & NVR sub stream 640x360, H.264 via RTSP.
- Enhanced voice messages. (“Sorry, no one is home…”)
- Fixed indoor station ringtone import issue.
- Villa door station now supports standard SIP protocol. (Audio only, no Video)
- Star key (*) can be used to unlock door by pressing star key (*) when using standard SIP protocol.
1.2 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.
1.3 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.

1.4 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.

1.5 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.

![HikVision Device selection](image)

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.

![Room station list](image)

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.

![Activation password](image)
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.
1.6 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.
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.

5. Once your room station has been activated, click on the room 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 room 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 room station and then click on OK.

![Modify Network Parameter](image)

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

![Online Device List](image)

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

![Add Device](image)
10. Select the room station from the list up the top, and then click ‘Remote Configuration’.

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

![Reboot dialog box]

Wait until the room station reboots before continuing.

14. Re-select the room station from the list up the top, and click ‘Remote Configuration’.

![Remote Configuration screen]

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.

![Remote Configuration parameters]

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.
Additional Information:

Customer Service
Phone: 1300 551 991 (M-F 8:30am – 5:00pm)
Email: customerservice@ness.com.au
YouTube: www.youtube.com/nesscorporation