



KNOWLEDGE BASED ARTICLE

PRODUCTS: HIKVISION INTERCOM, GENERATION 2

TOPICS COVERED IN THIS KBA: This guide covers the general rules for configuring a Hikvision Generation 2 intercom system using only iVMS. Configuration for this intercom system can also be done on the screen of the room stations with the easy step-by-step wizard. Sub door stations cannot be configured if using the wizard method. Ensure the screen has skipped the wizard if using this guide.

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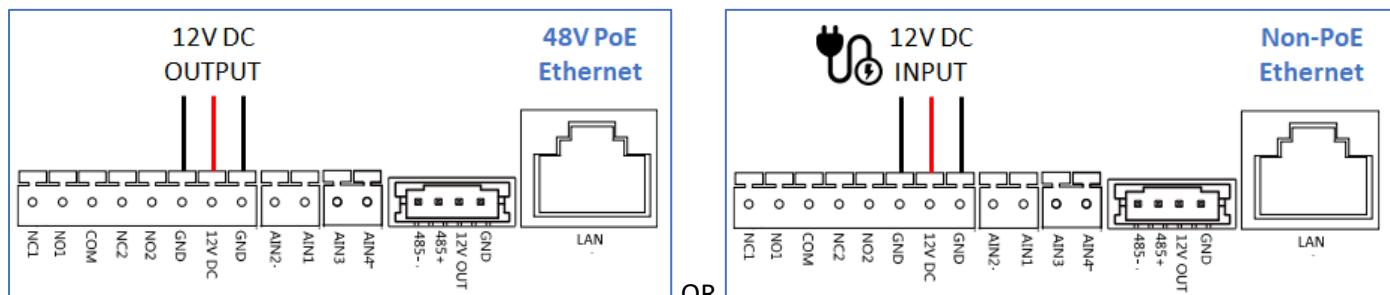
Getting started

Powering the Devices

Hikvision's Generation 2 intercoms are powered by standard PoE (48v Power over Ethernet) or 12V DC and require an IP network connection, which can either be hardwired or wireless (depending on the model).

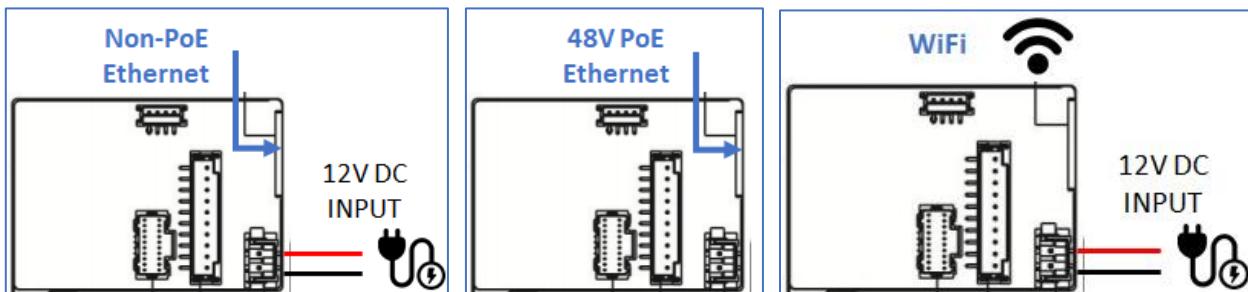
The previous generation of Hikvision intercoms were PoN (24v Power over Network).

Door Station



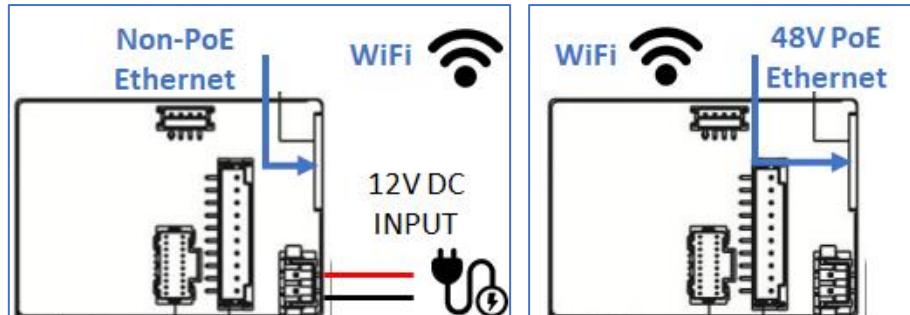
Never power a station with both PoE and 12V DC!

Room Station



Never power a station with both PoE and 12V DC!

For situations where strata will not cover the costs of data/internet traffic, the below options are available. The hardwired network will be for standalone calling between the door and room stations. The Wi-Fi will be connected to an individual's Wi-Fi network for Hik-Connect app functionality.



Network Configuration

Please watch this video for network configuration. Manually copy/paste the link into the URL of a web browser, tap/click on the link or on the YouTube icon.

<https://www.youtube.com/watch?v=qB50ZYxxZ-s>



Door Station

Master Station

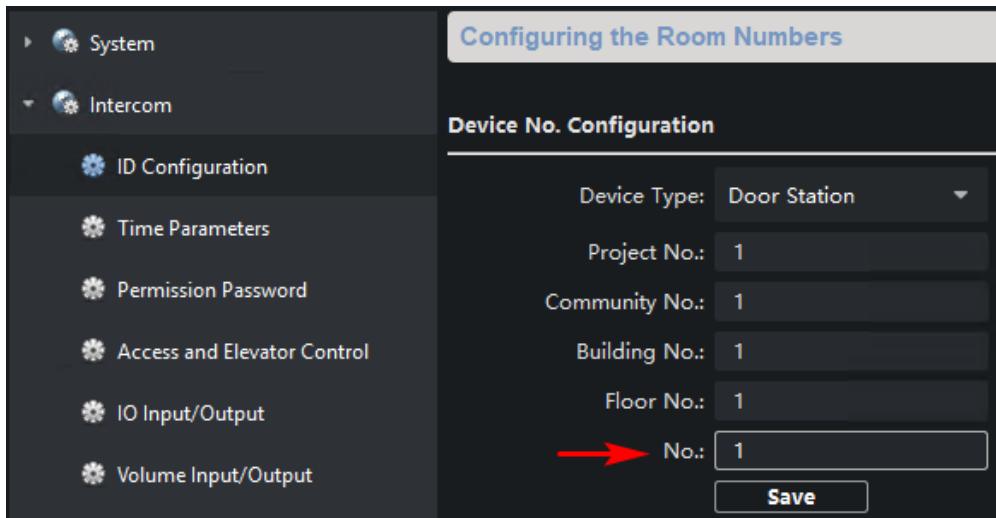
The Master door station does not function any differently to a Sub door station. It acts as a routing point for a Sub door station.

To make a door station a Master, place a **0** in *Intercom -> ID Configuration -> No.: (Default setting)*

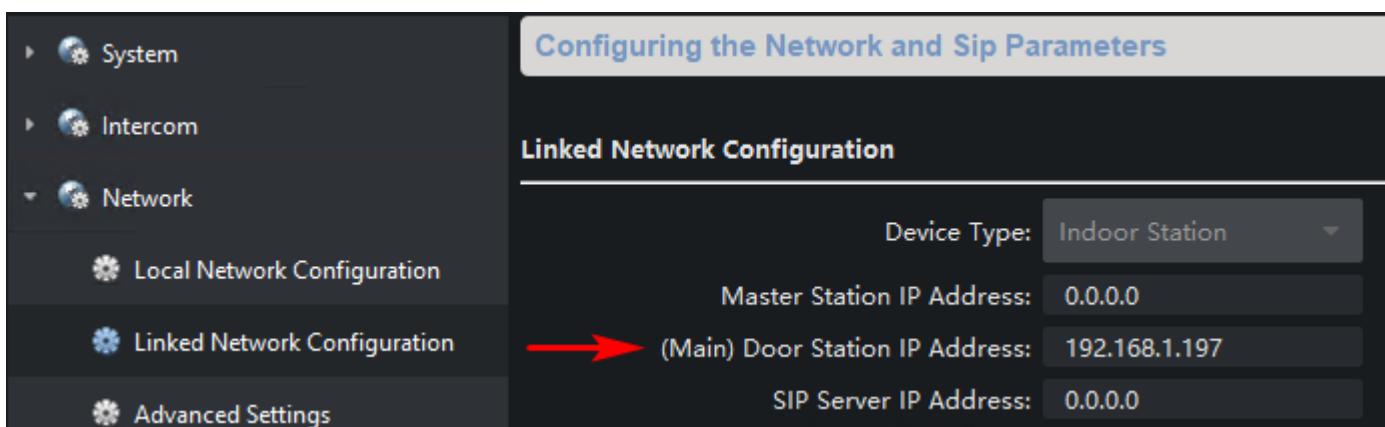
The screenshot shows the Hikvision software's configuration interface. On the left, there's a navigation tree with 'System', 'Intercom' (expanded), 'ID Configuration', 'Time Parameters', 'Permission Password', 'Access and Elevator Control', 'IO Input/Output', and 'Volume Input/Output'. The main window title is 'Configuring the Room Numbers'. Under 'Device No. Configuration', the 'Device Type' is set to 'Door Station'. The 'No.' field is highlighted with a red arrow pointing to it, indicating it should be set to 0. Other fields include 'Project No.', 'Community No.', 'Building No.', 'Floor No.', and 'Save' button.

Sub Station

The Sub door stations will call the same room stations as their corresponding Master, which can be a maximum of 8 Sub door stations. To configure this, input anything between **1-8** in *Intercom -> ID Configuration -> No.:*



This will cause the device reboot. Once booted back up, it will need to know the Master door station's IP address. This is done in *Network -> Linked Network Configuration -> (Main) Door Station IP address:*

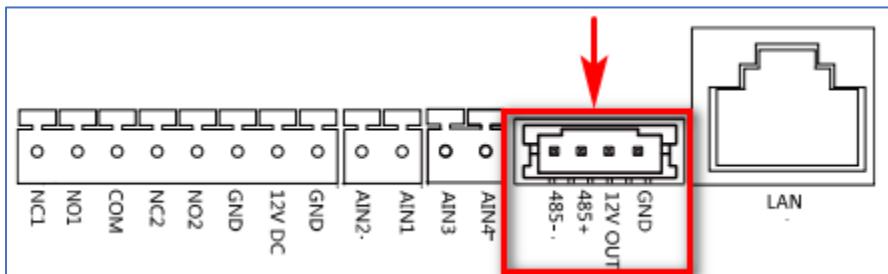


Door Modules

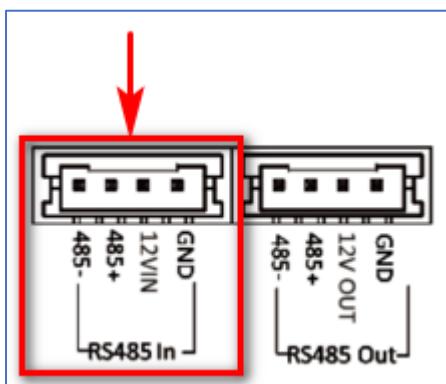
There are 5 different types of door modules. Display, Keypad, 6-button, Mifare Reader and a 3-status Indicator.

They connect to the Main door station with the RS-485 terminals.

Main door unit



Module unit



The “Out” of the first module connects to the “In” of the second module and so on.

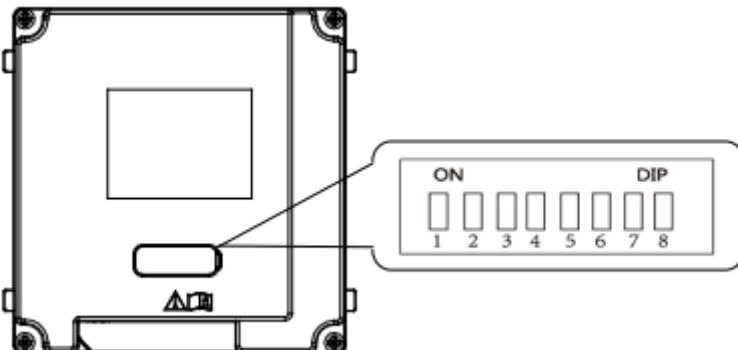
Cable

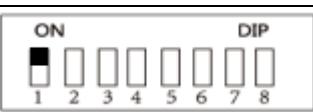
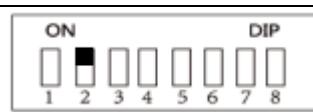
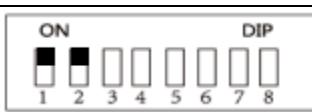
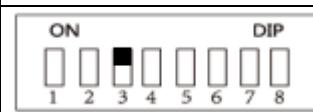
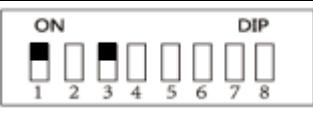
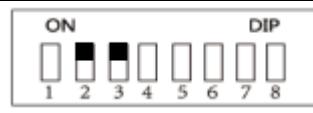
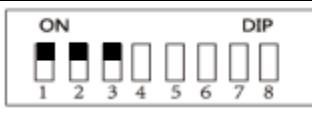
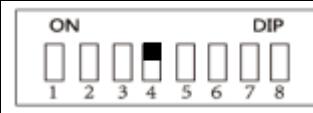


This is the cable that is used to connect door station modules together. They are provided with the mounting brackets, not with the modules.

Addressing

All modules have dipswitches that need to be addressed. Out of the box they are set to 0, which will not work.



Address 1	Address 2	Address 3	Address 4
			
Address 5	Address 6	Address 7	Address 8
			

The black square indicates that the dipswitch is on (up). If a dipswitch is blank, it means it is off (down).

Configuring Modules

The Main Door station can have up to 8 modules connected to it. The **KD-IN**, **KD-KP** and **KD-M** all need the dipswitch to be addressed but are not configurable through iVMS.

KD-KK

To change the room number a button calls, go to *Intercom -> Sub Module -> Edit Settings*

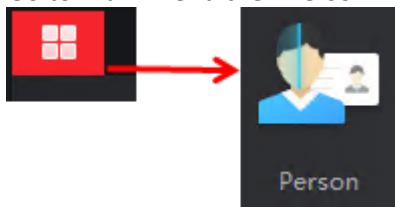
Module Add...	Module Type	Module Status	Settings
1	Nametag Module	Online	

Configuration	
Key number	Room No.
1	2
2	3
3	4
4	5
5	6
6	7

KD-DIS

The display module can show a list of names with their room numbers and is configured through iVMS.

1. Go to Main Menu then Person



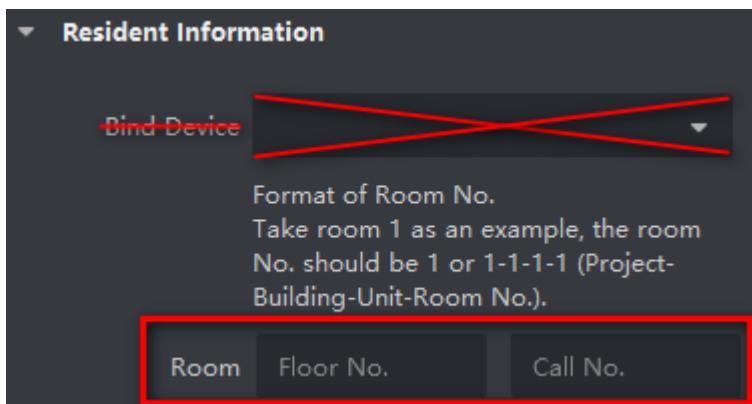
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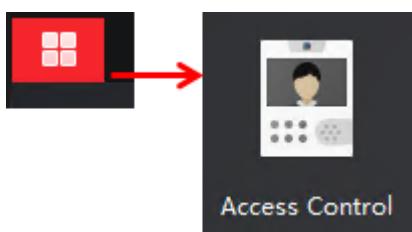
- Click on + Add and enter a name which will be displayed on the KD-DIS module. The **Person ID** automatically increments as users are added.

* Person ID 1
* Name [empty field]

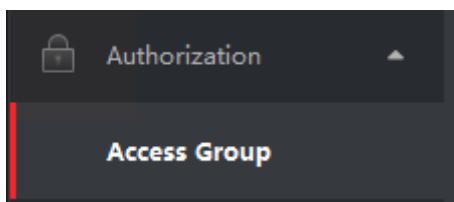
- Scroll down and expand **Resident Information** and manually enter the room number that will be linked to displayed name. A floor number must be entered. Use “1” if there is no lift controller.



- Now go to *Menu -> Access Control*



- Expand **Authorisation** and click on **Access Group**.



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6. Click on + Add and give the Access Group a name. Select users and door stations then click on Save.

The screenshot shows a sidebar with a tree structure. Under 'New Organization', 'Room 1' and 'Room 2' are selected. A list of users is shown on the right, with 'Room 1' and 'Room 2' listed.

The screenshot shows a sidebar with a tree structure. Under 'Keypad Door', 'Door1_Keypad Door' is selected. A list of door stations is shown on the right, with 'Door1_Keypad Door' listed.

7. An Access Group has now been created. Note that the status is "To be applied". Select the group and click on **Apply Changes to Device**.

The screenshot shows a table with columns: + Add, Delete, Apply All to Device, and Apply Changes to Device (which is highlighted with a red box). The table rows show 'Group 1' with status 'To be Applied'.

A progress bar will appear and advised that it has been applied.

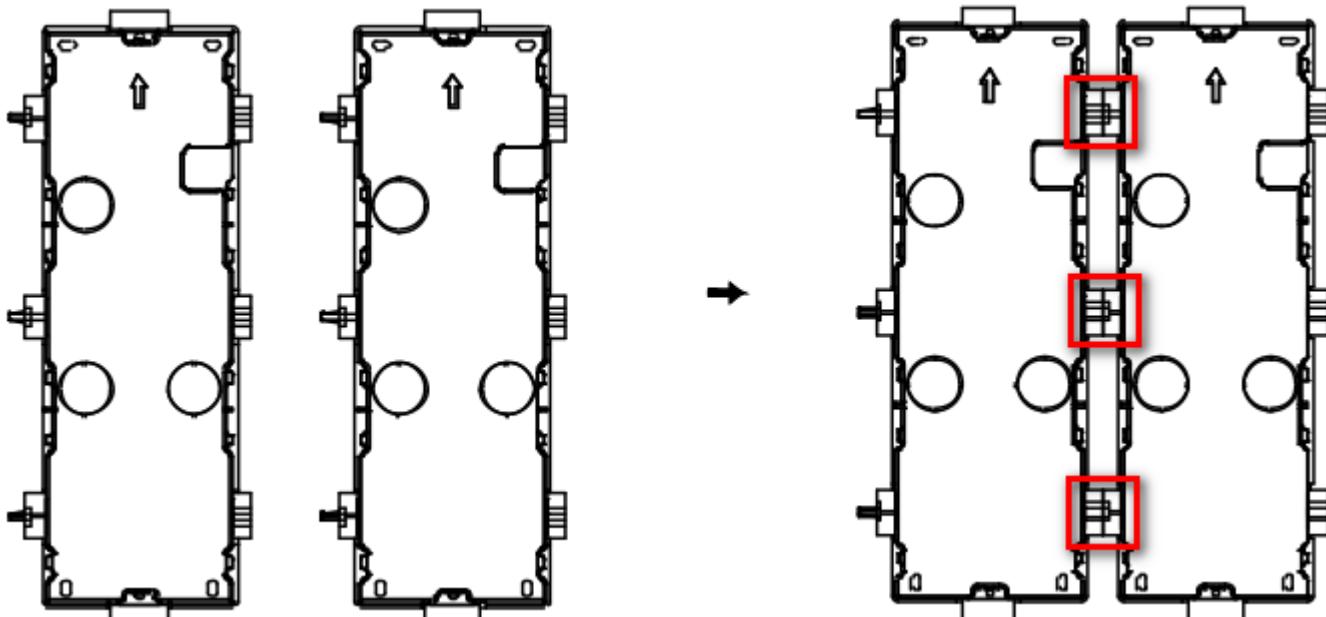
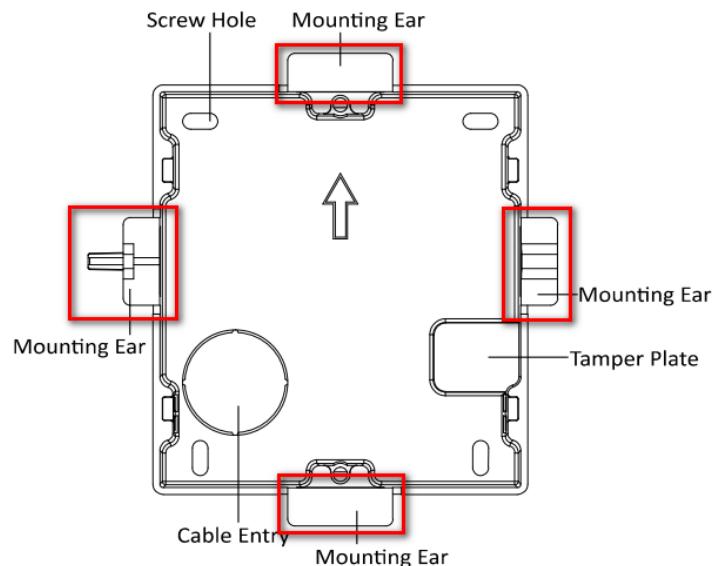
Name	Progress	Result	Remark
Keypad Door	100%	All applied.	Details

Name	Template	Number ...	Access Co...	Status	Operation
Group 1	All-Day Auth...	2	1	All applied.	

8. Press up/down on the display module to scroll through the contacts to check that they have come through.

Mounting Brackets

The plastic flush mount brackets come with removable ears for alignment. If two or more mounts are to be installed right next to each other, the ears (highlighted in red below) insert into each other. Once markings and cut-outs have been made, the ears can be snapped off. The face plate will not sit correctly if they are not removed.



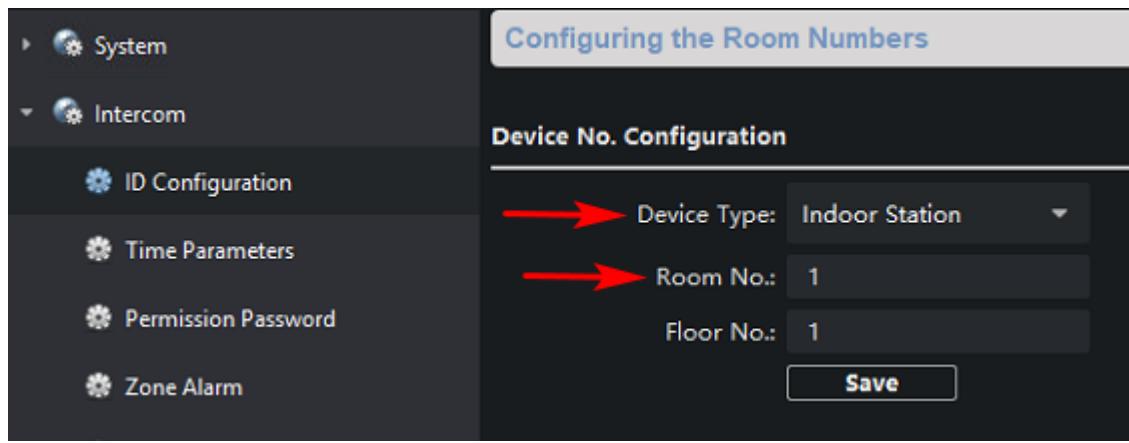
Room Station

Master Station

Each Master station has a room number assigned to it. This is what is dialled by the door station.

This is configured in *Intercom -> ID Configuration -> Device Type -> Indoor Station* (default setting)

The room number is configured in *Intercom -> ID Configuration -> Room No.: # (1-9999)*.



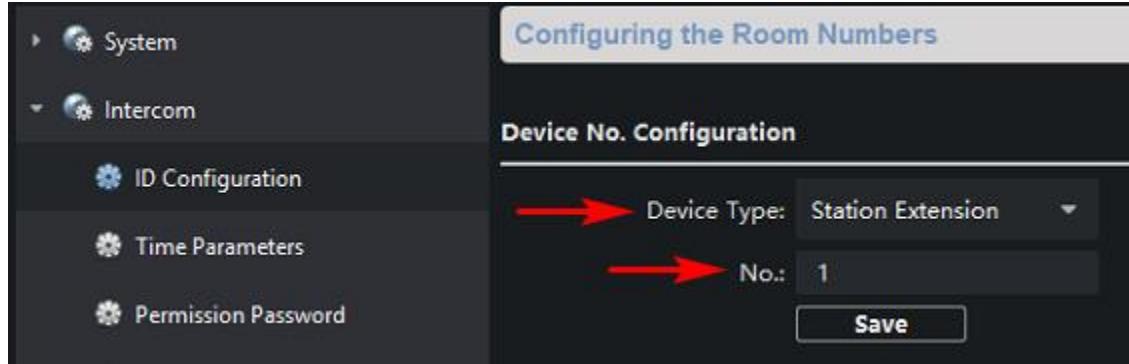
If using a 6-button module, the “Dial” number must match the Room No. If using a Keypad module, press **Room Number -> #**. For example, press **123#** to call room 123.

Sub Station

A Sub indoor station will ring simultaneously with their corresponding Master indoor station. A Master station can have up to 5 Sub stations which can dial their Master station and other Sub stations that share the same Master station. This conference call is audio only as there are currently no room stations with an inbuilt camera.

To configure a room station as a Sub, go to *Intercom -> ID Configuration -> Device Type -> Station Extension*

Assign **1-5** in *Intercom -> ID Configuration -> No.:*



The device will reboot. Once booted back up, it will need to know the Master station’s IP address.

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Configure this in *Network -> Linked Network Configuration -> Main Indoor Station IP:*

The screenshot shows the 'Configuring the Network and Sip Parameters' interface. On the left, a sidebar lists 'System', 'Intercom', 'Network' (with 'Local Network Configuration' and 'Linked Network Configuration' options), and other icons. The main panel is titled 'Linked Network Configuration'. It shows 'Device Type: Station Extension' and 'Main Indoor Station IP: 192.168.1.231' with a red arrow pointing to it. A 'Save' button is at the bottom right.

To dial its Master station, press **0-0** (Including the “-“ dash).

To dial other Sub stations, press **0-#** (Where # = the sub/extension number)

Hik-Connect

Only Master room stations should be added to Hik-Connect. Issues may occur if a Sub station is added. The app can be found on the iOS and Android app stores.

<https://apps.apple.com/us/app/hik-connect/id1087803190>

https://play.google.com/store/apps/details?id=com.hikvision.hikconnect&hl=en_AU

This app does not require port forwarding. When your device is online, it will poll to Hikvision's servers, referencing its serial number. The serial number is then linked to an account, which can be created in the app itself or here:

<https://www.hik-connect.com/register>

Adding a device using the screen and QR code

Go to *Settings -> Configuration -> Hik-Connect Service Settings*

The image contains three screenshots of the Hik-Connect app. The top-left shows the home screen with a 'Settings' icon highlighted with a red box. The top-right shows the 'More' menu with a 'Hik-Connect Service Settings' option highlighted with a red box. The bottom section shows the 'Hik-Connect Service Settings' screen, which includes fields for 'LBS Server' (litedev.us.ezvizlife.com), 'Verification Code' (DCVWPH), and 'Hik-Connect Server Status' (Disconnected). A QR code is also displayed.

Adding a device manually using iVMS

Go to *System -> Device Information* and get the serial number. (9 digits between **WR** and **CLU**)

The screenshot shows the 'Device Information' section of the iVMS-4500 interface. On the left, a sidebar lists 'System', 'Device Information' (selected), 'General', 'Time', and 'System Maintenance'. The main panel is titled 'Displaying the Device Information' and contains two sections: 'Basic Information' and 'Version Information'. Under 'Basic Information', the 'Device Type' is listed as 'DS-KH6320-WTE1' and the 'Device Serial No.' is listed as 'DS-KH6320-WTE10120190301WR229995006CLU'. The 'CLU' part of the serial number is underlined.

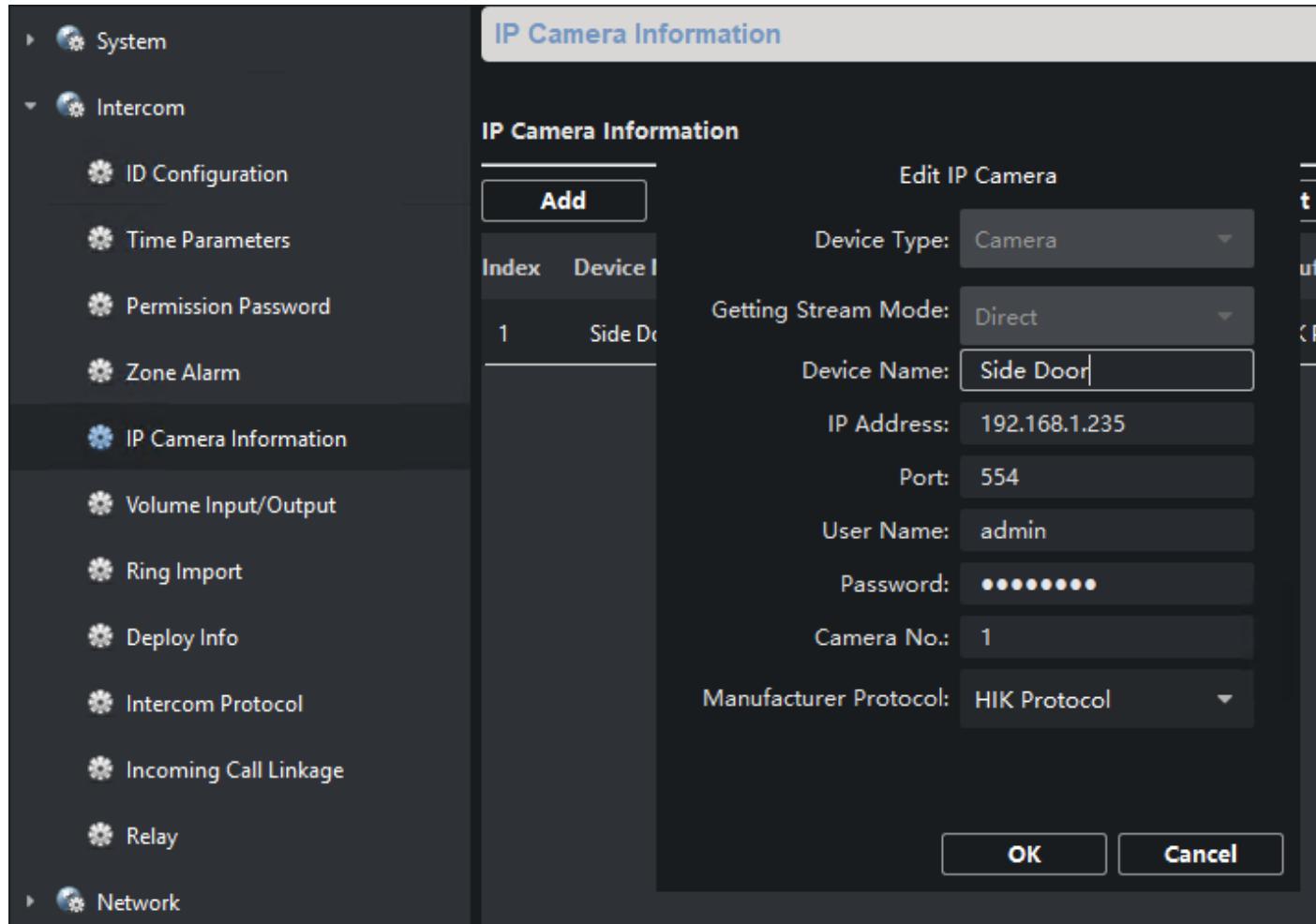
Then go to *Network -> Hik-Connect* Make sure the status is "Online"

The screenshot shows the 'Cloud P2P Settings' page under the 'Network' section. The sidebar includes 'System', 'Intercom', 'Network' (selected), 'Local Network Configuration', 'Linked Network Configuration', 'Advanced Settings', and 'Hik-Connect'. The main panel has a 'Cloud P2P Settings' title. It shows 'Enable Hik-Connect' checked, 'Registration Status' set to 'Online', 'Custom' checked, 'Server Address' set to 'litedev.us.ezvizlife.com', and a 'Verification Code' field containing 'QWERTY' which is highlighted with a red border.

Use the serial number and verification code when adding the device.

Adding a camera to a Room station

Go to *Intercom -> IP Camera Information -> Add*



Device Name: Name the camera here – This will appear on the intercom screen

IP Address: IP address of NVR or camera that is on the same network

Port: Always use 554

User Name: Typically “admin”

Password: Password of NVR or camera

Camera No.: Channel number if adding from NVR, 1 if adding a camera directly

Adding a Door station to an NVR

Door stations can be added through the web browser or on the monitor connected directly to an NVR (local GUI).

The following steps go through adding a door station via the web browser.

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Go to System -> Camera Management -> IP Camera -> Select a channel -> Modify

The screenshot shows the Hikvision IP Camera management interface. On the left, there is a navigation tree:

- Local
- System **1**
- System Settings
- Live View Settings
- Maintenance
- Security
- Camera Management** **2**
- User Management

In the center, there are tabs: PoE Channel, **IP Camera** (which is selected), and a third tab that is partially visible. A red box labeled **3** is around the IP Camera tab. To the right of the tabs is a red box labeled **5**. Below the tabs is a table titled "IP Camera" with columns: Channel No., Camera Name, IP Address, Channel No., and Management. The table contains six rows of data. The fourth row, which corresponds to the camera with IP address 192.168.1.198, is highlighted with a red box and labeled **4**.

Channel No.	Camera Name	IP Address	Channel No.	Management
D1	Intercom 1	192.168.1.232	1	8000
D2	Camera 01	128.100.0.18	1	8000
D3 4	Intercom 2	192.168.1.198	1	8000
D4	IPCamera 04	128.100.0.5	1	8000
D5	IPCamera 05	128.100.0.6	1	8000

This is a configuration dialog box for an IP Camera. It contains the following fields:

IP Camera Address	192.168.1.198
Protocol	HIKVISION
Management Port	8000
Channel No.	1
User Name	admin
Password	*****
Confirm	*****
Transfer Protocol	Auto
Adding Method	Manual
IP Camera Time Sync.	<input checked="" type="checkbox"/> Enable

At the bottom are two buttons: "OK" and "Cancel".

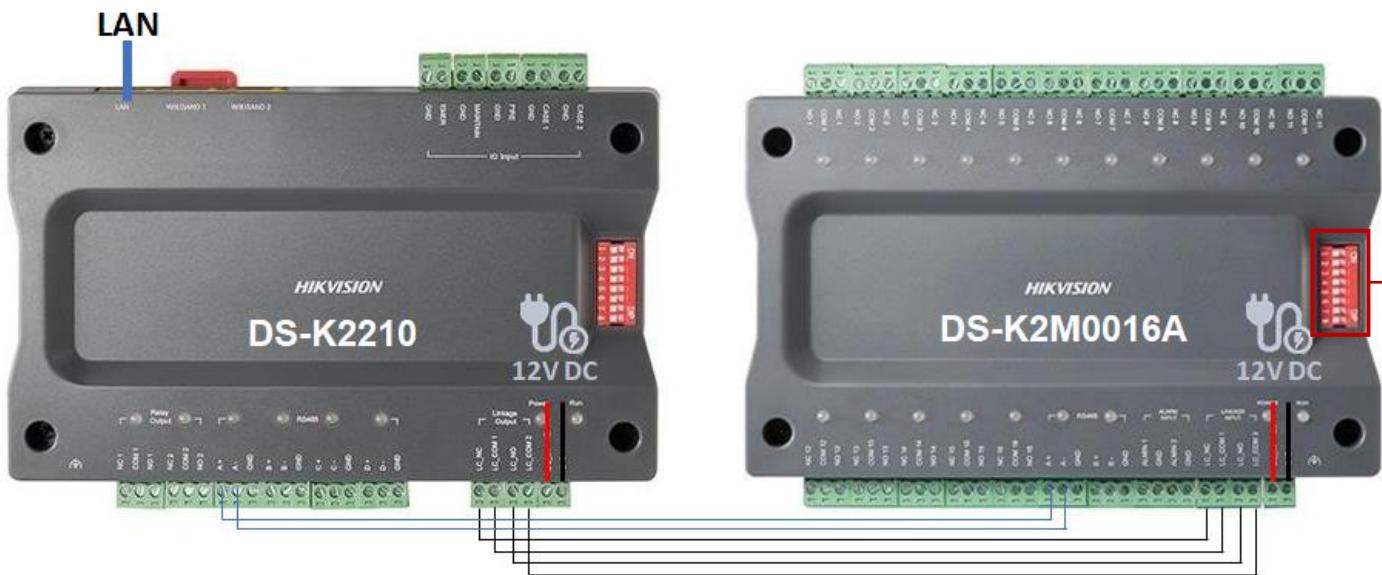
IP Camera Address *IP address of the door station*
Protocol *HIKVISION*
Management Port *8000*
Channel No. *1*

User Name
Password/Confirm
Transfer Protocol
Adding Method

admin
Password of door station
Auto
Manual

Lift Controller

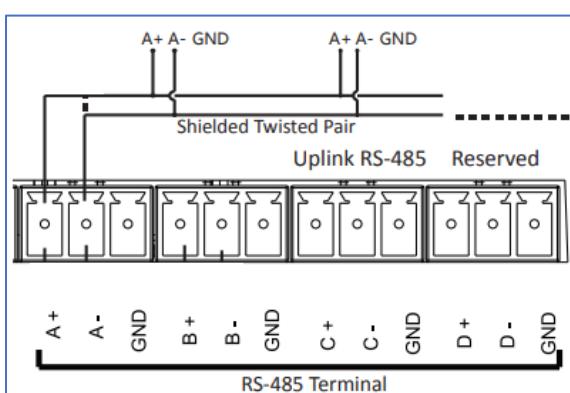
Ensure that the network is correctly configured. The K2210 is the main controller and connects to the IP network (LAN) and the K2M0016A relay modules. The K2210 can connect to up to 8 K2M0016A relay modules, totalling 128 floors. Follow the video found in the [Network Configuration section](#). **The K2210 is not PoE!**



RS-485 connection: A+ and A- of K2210 to A+ and A- of K2M0016A (up to 8 - blue lines above)

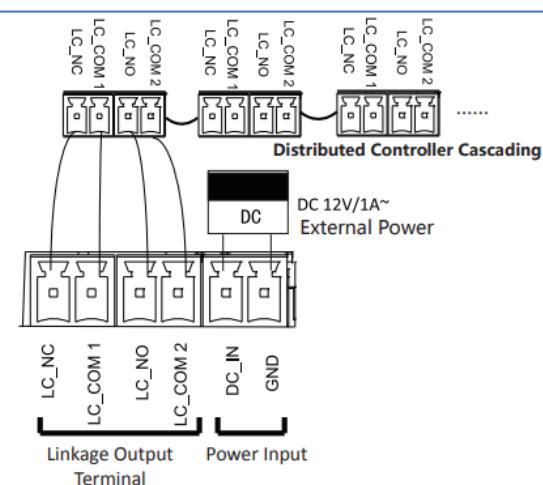
Linkage connection: LC_NC, LC_COM 1, LC_NO, LC_COM 2 of K2210 to LC_NC, LC_COM 1, LC_NO, LC_COM 2 of K2M0016A (up to 8 - black lines above)

A power cycle is required if dipswitches are changed!



Dipswitch ON	Floors
1 & 2	1 to 16
3	17 to 32
1 & 3	33 to 48

Dipswitch ON	Floors
2 & 3	49 to 64
1 & 2 & 3	65 to 80
4	81 to 96



Dipswitch ON	Floors
4 & 1	97 to 112
4 & 2	113 to 128
8 (ON/OFF)	Inverts relays

The main lift controller can now be added to the main (or Master) door station. Go to *Intercom -> Access and Elevator Control*

System

Intercom

- ID Configuration
- Time Parameters
- Permission Password
- Access and Elevator Control**
- IO Input/Output
- Volume Input/Output
- Dial
- Motion Detection
- Intercom Protocol
- Sub Module

Network

Video Display

CCD

Configuring the Door and Ladder Parameters

Access Control

Upload Alarm for Not-Cl

Door No.: 1

Door-unlocked Duration: 15 s

Door Name:

Encrypt Card

Save

Elevator Control

Elevator No.: 1

Elevator Type: DS-K2210

Negative Floor: 0

Interface Type: Network Interface

Tip: All elevators should use the same interface type.

Enable Or Not: Yes

Server IP Address: 192.168.1.200

Server Port: 8000

User Name: admin

Password:

Save

Enable it and enter the IP address and admin password of the K2210 using port 8000. Click “Save”.

All Master room stations will need to be assigned a floor number (up to 128). Enter it in *Intercom -> ID Configuration*

Configuring the Room Numbers

Device No. Configuration

Device Type: Indoor Station

Room No.: 1

Floor No.: 1

Save

When this room station unlocks the door, it will also release the corresponding floor relay.

Cards

Cards can be used to unlock doors and release floors. The reader module reads 13.56MHz Mifare CSN cards and has been tested to work with SIFER technology. There are 2 methods for enrolling a card.

1. Using the enrolment card that comes with the main door stations
2. Using iVMS

Enrolment card

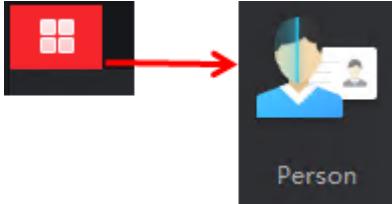
This method will only unlock the door. iVMS must be used to also release a floor of a lift controller.

1. Badge with the blank white card that came with the main door station.
2. Badge with a Mifare card (the CSN will be read).
3. Badge again with remaining cards.
4. Badge with the blank white card again that came with the main door station

The reader will sound when it has read. If it does not sound, the card or fob being badged is not Mifare or does not have a CSN.

iVMS

1. Go to Main Menu then Person



2. Click on + Add and name the user.

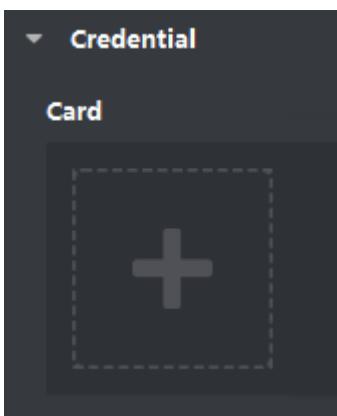
* Person ID 1

* Name

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3. Expand Credential and click on add card.



4. Enter the card into the Card No. field

Card No.

OR Badge using the following steps.

Add

Card No. 4 Read

Card Type Normal Card

Settings 1 Add Cancel

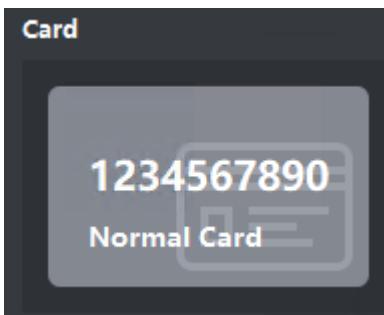
Settings

Mode Local 2 Remote

Device Reader Door 3 4

OK Cancel

5. Once added, it will look like this



6. If only a door is being released, leave all fields below blank.
If a floor needs to be released as well, enter the floor number.

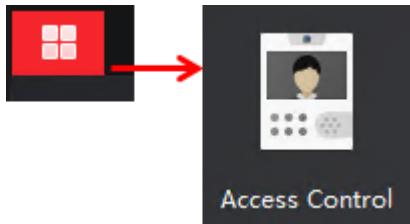
Bind Device

Room No. 85 Room No. The room No. cannot be empty.

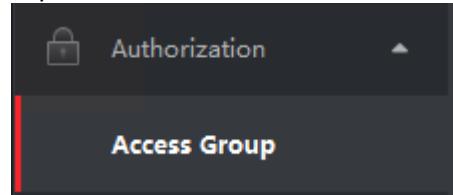
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7. Go to Main Menu then Access Control



8. Expand **Authorisation** and click on Access Group.



9. Click on + Add and give the Access Group a name. Select users and door stations then click on Save.

Two screenshots of the Hikvision interface. The top screenshot shows the 'New Organization' section with 'Room 1' and 'Room 2' checked. The bottom screenshot shows the 'Door' section with 'Keypad Door' checked.

10. An Access Group has now been created. Note that the status is "To be applied". Select the group and click on **Apply Changes to Device**.

A screenshot of the 'Access Group' list. The 'Group 1' row is selected. The 'Apply Changes to Device' button is highlighted with a red box.

A progress bar will appear and advised that it has been applied.

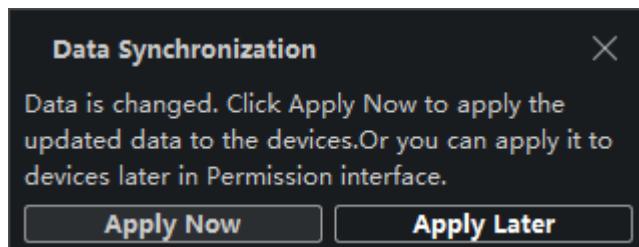
Name	Progress	Result	Remark
Keypad Door	100%	All applied.	Details

Name	Template	Number ...	Access Co...	Status	Operation
Group 1	All-Day Auth...	2	1	All applied.	Edit

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If a change is made to the user or access group, the below prompt will appear. Click on “Apply Now” and it will push the information to the main door station.



To check its progress, go to *Access Control -> Access Group -> Applying Status*

A screenshot of the Hikvision software interface showing the "Access Control" section. Under "Access Group", there is a table with the following data:

Name	Template	P...	Access Point	Status	Operation
Gro...	All-Day A...	T...	Door1_Reader Door	All applied.	

Click on Details and it will show what has been correctly applied.

Door Name	Person N...	Credential...	Credential T...	Applying Status
Door1_Reader Door	Test 534	2	Person	All applied.
Door1_Reader Door	Test 534	1981343534	Card	All applied.

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Step 1

Default all room and door stations.

Step 2

Activate and network configure what will be the master door station.
Check out the following video for further details.



<https://www.youtube.com/watch?v=qB50ZYxxZ-s>

Step 3

Go to Device Management of the master door station that was configured in **Step 2**.

Modular Door station

DS-KD8003-IME1

The screenshot shows the Hikvision DS-KD8003-IME1 device management interface. At the top, there is a navigation bar with tabs: 'Resource Us...' (disabled), 'Operation' (highlighted with a red box and arrow), 'User', 'Number Settings', 'Device Management' (highlighted with a red box and arrow), and 'Configuration'. Below the navigation bar, there is a 'Device List' section.

Villa Door station

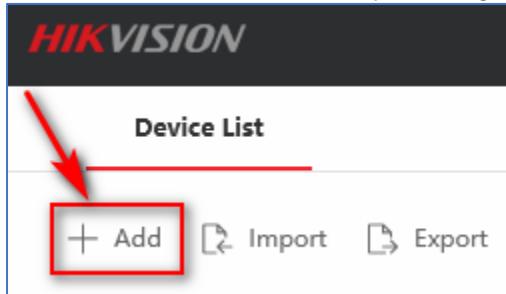
DS-KV8x13-IME1

Open a web browser and enter the IP address in the URL address bar.

The screenshot shows a web browser window with the URL '10.0.0.64/#/home/deviceManage/deviceList'. The browser's navigation bar includes 'Live View', 'User', 'Number Settings', 'Device Management' (highlighted with a red box and arrow), and 'Configuration'.

Step 4

Add a master room station by clicking on + Add.



Enter what will be the master room station details. The Serial No. is the 9-digit number near the end of the full serial number.

Device Type	Serial No.
Indoor Station	DS-KH6320-WTE10120190301WF22 [REDACTED] CLU
Indoor Station	DS-KH6320-WTE10120190301WF22 [REDACTED] CLU
Indoor Station	DS-KH6320-WTE10120190301WF22 [REDACTED] CLU

SADP V3.0.4.51 (in the starter kit) displays the required serial number.

DS-2CD63C5G0-IVS	DS-2CD63C5G0-IVS20201118AAWRF0 [REDACTED]
DS-7616NI-I2/16P	DS-7616NI-I2/16P1620190613CCRRD2 [REDACTED] WCVU
DS-9632NI-I8	DS-9632NI-I81620190330CCRRD0 [REDACTED] WCVU
DS-KD8003-IME1	D1 [REDACTED]
DS-KD8003-IME1	C9 [REDACTED]
DS-KH6320-WTE1	22 [REDACTED]

Device Type	Indoor Station
User Name	admin
Password	*****
Registration Password	*****
Serial No.	22
Floor No.	1
Room No.	1
IP Address	10.0.0.25
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	10.0.0.254
Port	8000

Password is the network password.

Registration Password is the Protocol V2 password, based on SIP.

These passwords can match.

Click on OK and it will activate and configure the master room station.

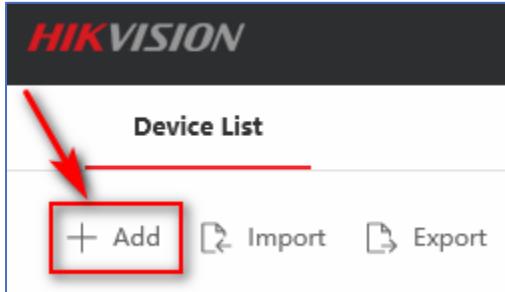
Testing has found that the master room station can be Protocol V1 or Protocol V2 and will be configured by the master door station regardless of version.

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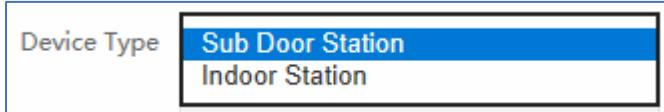
KNOWLEDGE BASED ARTICLE

Step 5

Add a sub door station by clicking on + Add of the master door station.



Change the dropdown to Sub Door Station.



As mentioned in Step 4, the Serial No. is the 9-digit near the end of the full serial number.

SADP V3.0.4.51 (in the starter kit) displays the required serial number.

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KNOWLEDGE BASED ARTICLE

Device Type	Sub Door Station
User Name	admin
Password	*****
Registration Password	*****
Serial No.	C9 *****
Floor No.	1
No.	1
IP Address	10.0.0.26
IPv4 Subnet Mask	255.255.255.0
IPv4 Default Gateway	10.0.0.254
Port	8000

Password is the network password.

Registration Password is the Protocol V2 password, based on SIP.

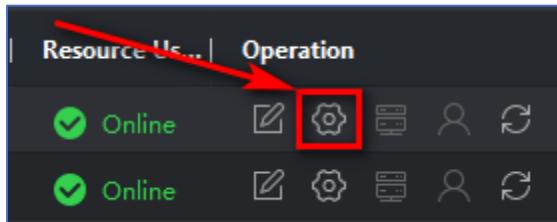
These passwords can match.

Click on OK and it will activate and configure the sub door station.

Testing has found that the sub door station can be Protocol V1 or Protocol V2 and will be configured by the master door station regardless of version.

Step 6

Add a sub room station by clicking on Remote Configuration of the master room station that was configured in **Step 4**.



Go to Intercom -> Extension Settings -> Add

A screenshot of the Hikvision software interface. On the left, there is a navigation tree with the following structure: System > Intercom > Time Parameters, Permission Password, Zone Alarm, IP Camera Information, Volume Input/Output, Ring Import, Arming Information, Calling Linkage, Relay, and Extension Settings. The "Intercom" node is expanded, and "Extension Settings" is selected. On the right, a new window titled "Extension Settings" is open. It has a header "SIP Info" and two buttons: "Add" and "Configure". The "Add" button is highlighted with a red box. Below the buttons is a table with columns "Index" and "Serial No.".

As mentioned in Step 4, the Serial No. is the 9-digit near the end of the full serial number.

SADP V3.0.4.51 (in the starter kit) displays the required serial number.

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KNOWLEDGE BASED ARTICLE

Enter what will be the sub room station settings.

Device Type	Indoor Extension
Serial No.	22
IP Address	10.0.0.22
Gateway	10.0.0.254
Subnet Mask	255.255.255.0
Password	*****
SIP No.	10000000001
No.	1

No. is the sub/extension number and can be between 1 and 5.

Click on Save and it will activate and configure the sub room station.

Testing has found that the sub room station must be Protocol V2.

However, a sub room station running Protocol V2 can be added to a master room station running Protocol V1.

NOTE: If the Master room station does not activate the Sub room station, this is due to a change Hikvision have made in newer versions of firmware. If this occurs, please follow these next steps to add a Sub room station to a Master room station. This newer method is similar to the traditional V1 method.

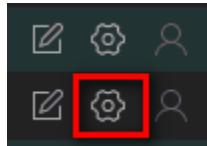
1. You will notice that the status will stay as Unregistered.

Index	Serial No.	Device Type	IP Address	SIP No.	Status	Effect
1	Q0	Indoor Station	192.168.2.19	10000000001	Unregistered	0

Select the sub room station and delete it.

The screenshot shows the 'Extension Settings' page under 'Intercom'. On the left is a sidebar with icons for System, Intercom (selected), Time Parameters, Permission Password, Zone Alarm, IP Camera Information, Volume Input/Output, Ring Import, Arming Information, Calling Linkage, Relay, and Extension Settings. The main area is titled 'Extension Settings' and 'SIP Info'. It has four buttons: Add, Configure, Delete (which is highlighted with a red box), and Clear. Below is a table with columns: Index, Serial No., Device Type, IP Address, SIP No., Status, and Effect. One row is shown: Index 1, Serial No. Q0 [redacted], Device Type Indoor Station, IP Address 192.168.2.19, SIP No. 10000000001, Status Unregistered, and Effect 0.

2. Activate the sub room station, configure the network settings and add to iVMS.
3. Click on Remote Configuration then go to Group Network Settings.



The screenshot shows the 'Remote Configuration' interface. The sidebar includes System, Intercom, Network (selected), Local Network Configuration, SIP Server Configuration, Advanced Settings, Hik-Connect, and Group Network Settings (highlighted with a red box). The main area is currently empty.

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- Change the drop down to Indoor Extension, enter a number between 1 and 5 then click Save.

Group Network Parameters

Device Type	Indoor Extension
No.	1
Save	

- The room station will now reboot. Go back to Remote Configuration then to Group Network Settings. Enter the Registration Password and IP address of the Master room station.

Group Network Parameters

Device Type	Indoor Extension
No.	1
SIP No.	10000000001
Registration Password	*****
Main Indoor Station IP	192.168.2.18
Save	

NOTE: The Registration Password for the Master room station would have been set back in **Step 4**. If the same Registration Password (not admin password!) is not used, it will not register.

- Check that the Sub room station has been registered by going back to Remote Configuration of the Master room station then Extension Settings.

Remote Configuration

Extension Settings

SIP Info					
Add	Configure	Delete	Clear		
Index	Serial No.	Device Type	IP Address	SIP No.	Status
1	Q000000000000	Indoor Station	192.168.2.19	10000000001	Registered



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Standalone

A standalone system is when a single button villa door station calls a mobile phone directly through Hik-Connect.



- Only compatible with single button models.
 - Hardware A must have V2.1.5 firmware for standalone Hik-Connect compatibility
 - V2.1.5 is not compatible with a room station
 - Use V2.1.35 if calling a room station and add the room station to Hik-Connect if using the app

Hardware Overview

Hikvision have released new firmware called Protocol V2. The previous firmware is referred to as Protocol V1.

Protocol V2 is based on open-source SIP, requiring a “registration” password (separate to the admin password) and the device’s serial number, creating a more secure connection.

Protocol V1 only required an IP address, which made the connection less secure.

Hikvision have also released “Hardware B” devices which come with Protocol V2 firmware and have a “(B)” suffix at the end of the model. This can be distinguished in Hikvision software or by the sticker on the back of the device or box. They operate and function exactly the same as “Hardware A” but have increased memory.

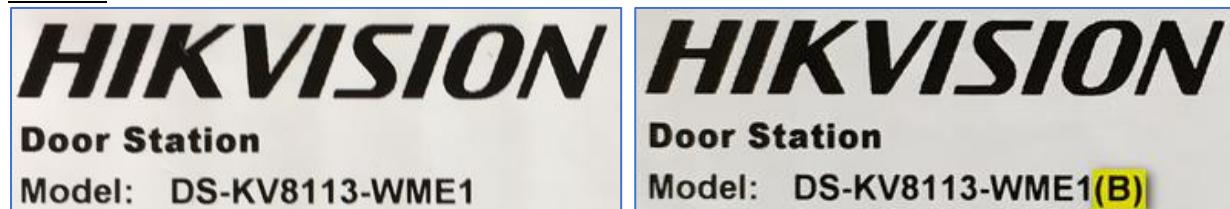
“Hardware A” stations do not have any suffix and just have the model name.

Examples:

jVMS

DS-KV8113-WME1	V2.1.5build 201126
DS-KV8113-WME1(B)	V2.2.13build 201222

Sticker:



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Firmware

The table below references protocol version against firmware version.

FIRMWARE		
	Protocol V1	Protocol V2
< = and below		
> = and above		
Villa Door	V2.1.35 <	V2.2.3 >
Villa Door (A) standalone	V2.1.5	
Modular Door	V2.0.8 <	V2.2.3 >
Room Station	V2.1.2 <	V2.1.10 >

After this page, the protocol version will be referred to as **V1** and **V2**.

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Compatibility

Typically, Hardware A will have V1 installed and Hardware B will have V2 installed, out-of-the-box. Hikvision have advised that upgrading Hardware A to V2 can cause instability due to different hardware. Because of this, CSD do not recommend updating Hardware A to V2. If a door station is upgraded, it cannot be downgraded. A room station can be upgraded/downgraded between protocol versions.

		Upgradable From V1 to V2	Downgradable From V2 to V1
Modular Door	-	✓	✗
Villa Door	HW A	✗	N/A
	HW B	✗	✗
IP Room	-	✓	✓
2-wire Room	HW A	✓	✓
	HW B	N/A	✗

V1 and V2 Master Door stations are compatible with V1 and V2 Master Room stations.

		Master Room	
		V1	V2
Master Door	V1	✓	✓
	V2	✓	✓

V1 and V2 Master Door stations are compatible with V1 and V2 Sub Door stations.

		Sub Door	
		V1	V2
Master Door	V1	✓	✓
	V2	✓	✓

A V1 Sub Room station is not compatible with a V2 Master room station. Everything else is compatible.

		Sub Room	
		V1	V2
Master Room	V1	✓	✓
	V2	✗	✓