



Configuration of Hikvision devices

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Devices supported

Device	Model	Supported from version
Hikvision – IP Video Intercom Kit	DS-KIS602	v2020.3
Hikvision – IP Video Intercom Main Unit	DS-KD8003-IME1	v2020.3
Hikvision – IP Video Intercom Indoor Station	DS-KH6320-WTE1	v2020.3
Hikvision – IP Video Intercom Indoor Station	DS-KH8350-WTE1	v2020.3
Hikvision – IP Video Intercom Indoor Station	DS-KH8520-WTE1	v2020.3

NOTE

The configuration steps are based on new equipment with default data.

If you have already done any configuration with the equipment, you can reset the default settings.

Purpose

This configuration guide will allow you to connect Hikvision equipment with Mordomus.

Mordomus will automatically register with the Master Indoor Station as an Indoor Extension, defined by default as number 5. Numbers 1 to 4 are available to use any other extensions.

First of all, it is necessary to configure the Door Station with the Master Indoor Station for normal operation. After that, it will be necessary to enter the data related to the video equipment in the Mordomus video settings.



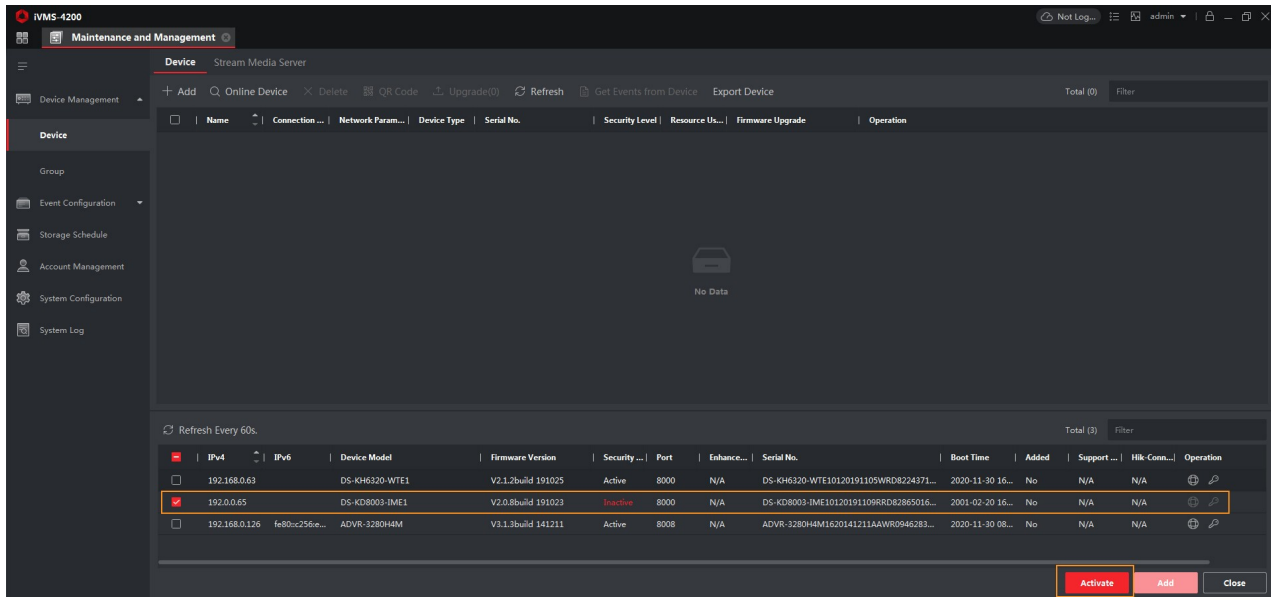
Requirements

Install “Hikvision iVMS-4200” software on a computer.

Download from: <https://www.hikvision.com/europe/support/download/software/ivms4200-series>

Door Station configuration with the software Hikvision iVMS-4200

1. The software will detect and list "Online Devices", select the Door Station device and click "Activate"



2. Set a password for the device (NOTE: use a secure and complex password)

Activate

Device Activation

User Name

admin

Password

•

•

•

•

•

•

•

•

8 to 16 digits. The combination should contain at least two of the following types: numbers, upper case letters, lower case letters, special characters [!"#\$%&'()*+,-./:;<=>?@[]^_`{|}~ and space]. The password cannot contain user name or user name reversed.

Confirm Password

•

•

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•

•

•

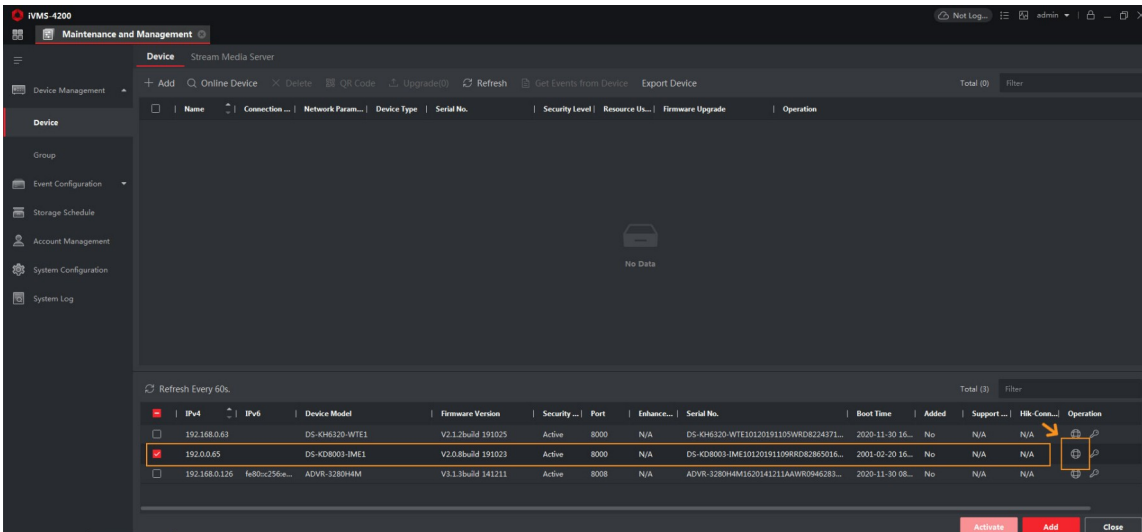
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•

OK

Cancel

3. In the list of online devices, in the column "Operation" click on the option "Modify Netinfo"

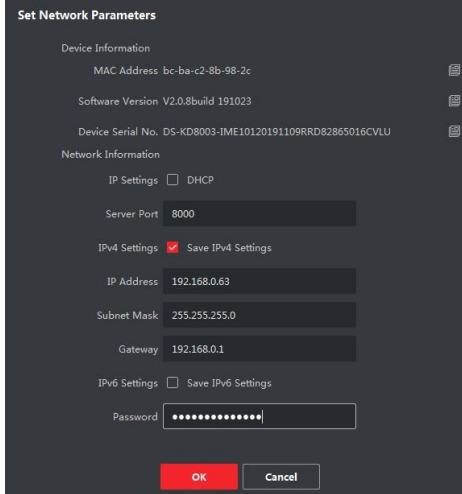


IPV4	IPV6	Device Model	Firmware Version	Security ...	Port	Enhance...	Serial No.	Boot Time	Added	Support ...	Hik Conn...	Operation
<input type="checkbox"/>		DS-KH6320-WTE1	V2.1.2build 191025	Active	8000	N/A	DS-KH6320-WTE10120191105WRD8224371...	2020-11-30 16...	No	N/A	N/A	
<input checked="" type="checkbox"/>		DS-KD8003-IME1	V2.0.8build 191023	Active	8000	N/A	DS-KD8003-IME10120191109RRD82865016...	2001-02-20 16...	No	N/A	N/A	
<input type="checkbox"/>		ADVR-3280HAM	V3.1.3build 141211	Active	8008	N/A	ADVR-3280HAM1620141211AAWR0946283...	2020-11-30 08...	No	N/A	N/A	

Configuration of Hikvision devices for Mordomus iThink software

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- Set IP Address and Network settings for the equipment, confirm password and press “OK”



Set Network Parameters

Device Information

MAC Address: bc-ba-c2-8b-98-2c

Software Version: V2.0.8build 191023

Device Serial No.: DS-KD8003-IME10120191109RRD82865016CVLU

Network Information

IP Settings: ☐ DHCP

Server Port: 8000

IPv4 Settings: ☒ Save IPv4 Settings

IP Address: 192.168.0.63

Subnet Mask: 255.255.255.0

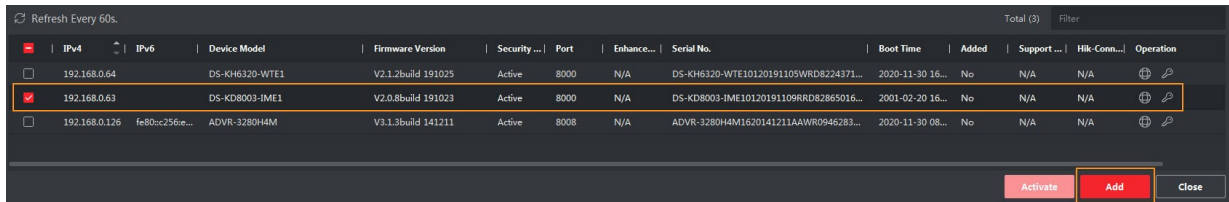
Gateway: 192.168.0.1

IPv6 Settings: ☐ Save IPv6 Settings

Password: [masked]

OK **Cancel**

- Click "Add"

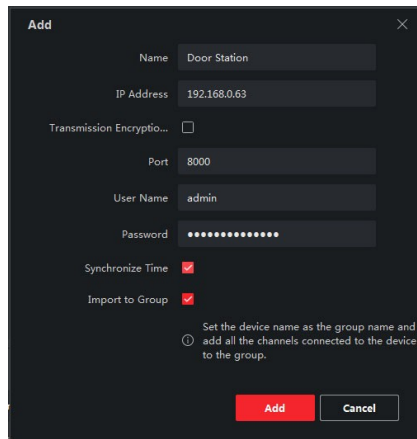


Refresh Every 60s. Total (3) Filter

	IPv4	IPv6	Device Model	Firmware Version	Security ...	Port	Enhance...	Serial No.	Boot Time	Added	Support ...	Hik Conn...	Operation
<input type="checkbox"/>	192.168.0.64		DS-KH6320-WTE1	V2.1.2build 191025	Active	8000	N/A	DS-KH6320-WTE10120191105WRD8224371...	2020-11-30 16...	No	N/A	N/A	
<input checked="" type="checkbox"/>	192.168.0.63		DS-KD8003-IME1	V2.0.8build 191023	Active	8000	N/A	DS-KD8003-IME10120191109RRD82865016...	2001-02-20 16...	No	N/A	N/A	
<input type="checkbox"/>	192.168.0.126	fe80:c256e...	ADVR-3280HAM	V3.1.3build 141211	Active	8008	N/A	ADVR-3280HAM1620141211AAWR0946283...	2020-11-30 08...	No	N/A	N/A	

Activate **Add** **Close**

- Fill in the data of the device and press “Add”



Add

Name: Door Station

IP Address: 192.168.0.63

Transmission Encryption: ☐

Port: 8000

User Name: admin

Password: [masked]

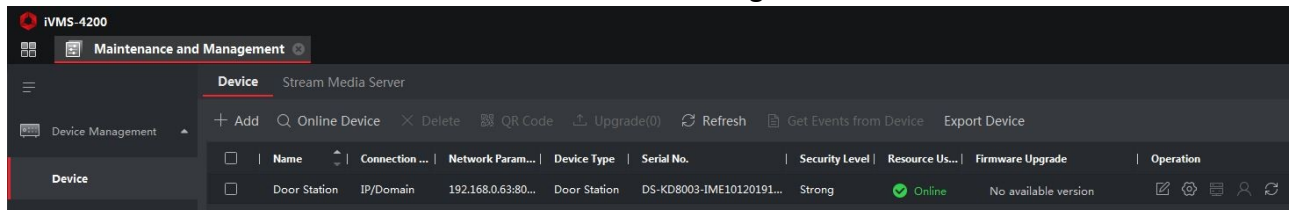
Synchronize Time: ☒

Import to Group: ☒

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

Add **Cancel**

- The device becomes available in the list “Device for Management”



IVMS-4200

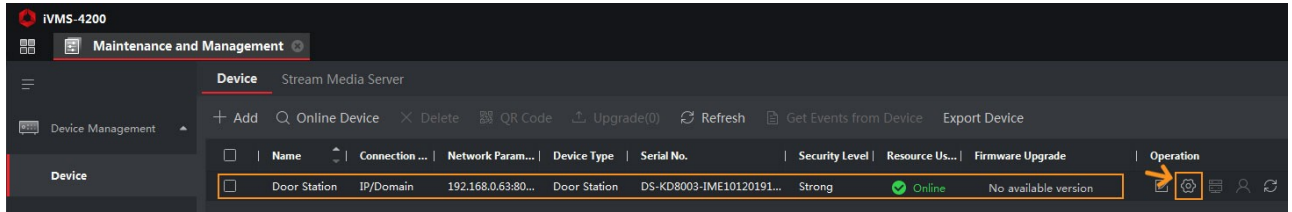
Maintenance and Management

Device Stream Media Server

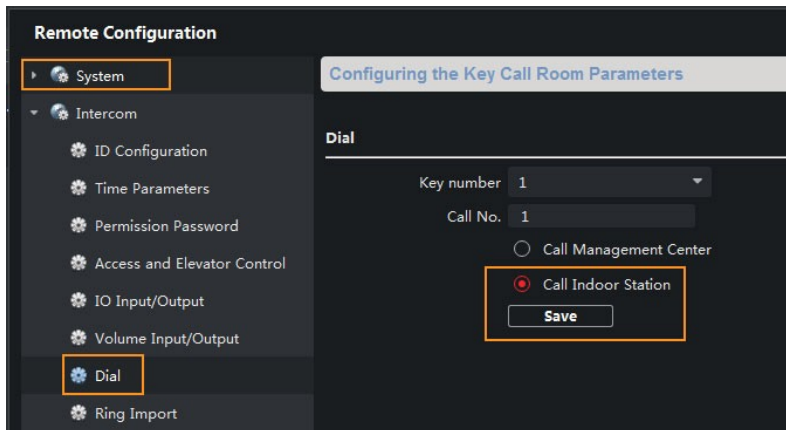
+ Add Q Online Device X Delete QR Code Upgrade(0) Refresh Get Events from Device Export Device

	Name	Connection ...	Network Param...	Device Type	Serial No.	Security Level	Resource Us...	Firmware Upgrade	Operation
<input type="checkbox"/>	Door Station	IP/Domain	192.168.0.63:80...	Door Station	DS-KD8003-IME10120191...	Strong	Online	No available version	

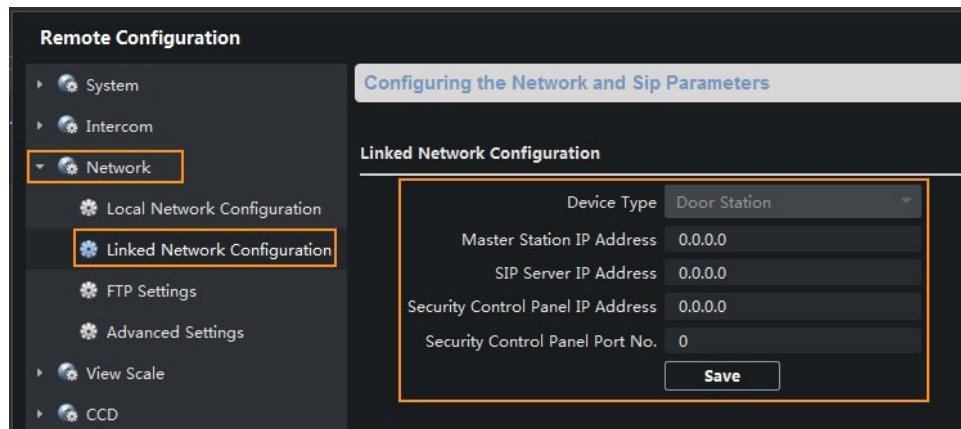
- Click on the "Remote configuration" of the equipment



- Go to "Intercom" settings, select "Dial" and define "Call Indoor Station"
(this option may be different depending on the equipment or the software version in use)

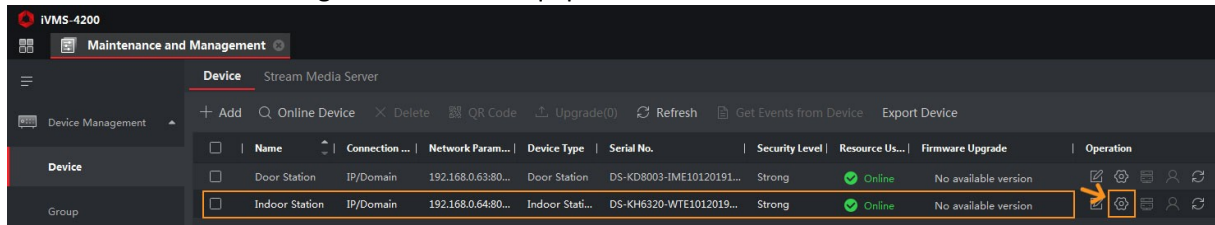


- Click "Linked Network Configuration" and set the parameters according to the displayed image
(this option may be different depending on the equipment or the software version in use)

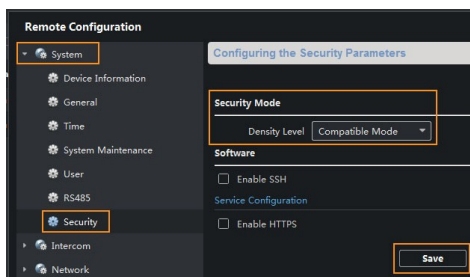


Master Indoor Station configuration with the software Hikvision iVMS-4200

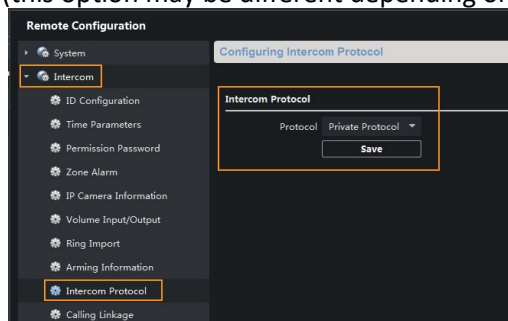
1. Perform steps 1 to 7 as the previous device, so that the device becomes available in the "Device for Management" list.
2. Click on the "Remote configuration" of the equipment



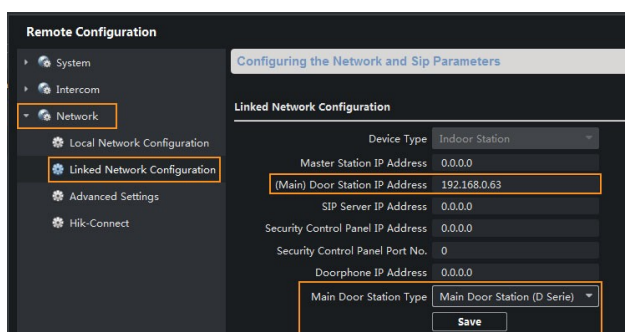
3. Go to "System" settings, select "Security" and define "Compatible Mode"
(this option may be different depending on the equipment or the software version in use)



4. Go to "Intercom" settings, select "Intercom Protocol" and define "Private Protocol"
(this option may be different depending on the equipment or the software version in use)



5. Go to "Network" settings, select "Linked Network Configuration":
(this option may be different depending on the equipment or the software version in use)
 - 5.1. Define "Main Door Station IP Address";
 - 5.2. Define "Main Door Station Type" according to device type (P or V);



Setup video devices in Mordomus software

Requires Mordomus iThink software version v2020.3 or higher.

1. Go to "General Config" -> "Video-DoorPhone"
2. Select the device "HIKVISION IP VIDEO INTERCOM DOOR STATION"
3. Set the Door Station (IP Address, User, Pass, Port)
4. Set the Master Indoor Station (IP Address)
5. Press "Apply"
6. Now you can press the call button on the Door Station, and make sure everything is OK.



Port Forward settings on the router to allow HD video via the iThink App

A port forward is a way of making the video device on your home network accessible to the internet, even though they are behind a router. It is commonly used in gaming, security camera, voice over ip, etc.

This will allow direct connection to video equipment through the iThink App with maximum video quality.

Consider the following information as an example:

Video-Doorphone (Door Station or Main Unit)

Description	Public Port	Protocol	Video Device IP	Video Device Port
SDK Port	8001	TCP	192.168.0.63	8000
RTSP Port	554	TCP	192.168.0.63	554

Video-Surveillance (DVR)

Description	Public Port	Protocol	Video Device IP	Video Device Port
SDK Port	8002	TCP	192.168.0.102	8000
RTSP Port	1554	TCP	192.168.0.102	554

NOTE:

- The external ports for door station or main unit should be 8001 for SDK and 554 for RTSP;
- The external port for DVR should be 8002 for SDK and 1554 for RTSP;
- Please consult the configurations of your equipment to obtain the correct data about the IP and defined ports (may differ depending on the equipment in use);
- We recommend the use of complex and secure passwords assigned to the equipment;