Configuration of Hikvision devices

Index

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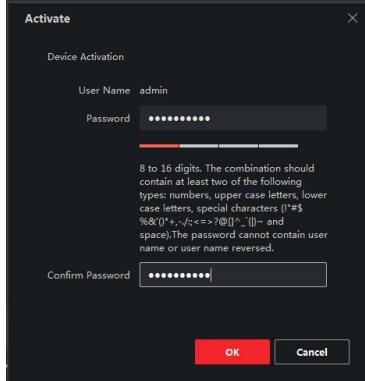
3. In the list of online devices, in the column "Operation" click on the option "Modify Netinfo"

4. Set IP Address and Network settings for the equipment, confirm password and press "OK"
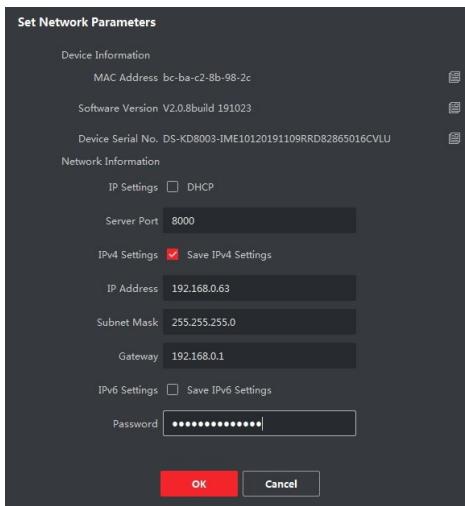
5. Click "Add"
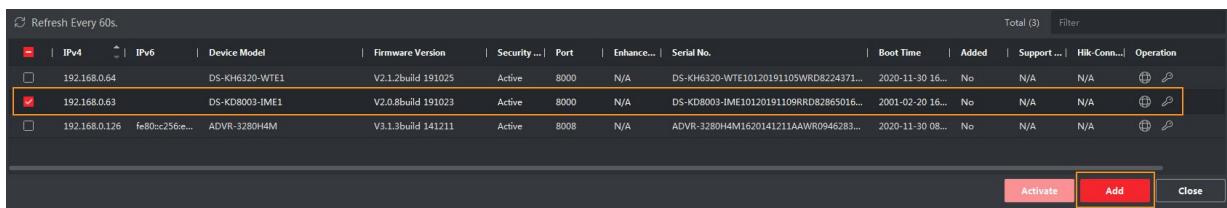
6. Fill in the data of the device and press "Add"
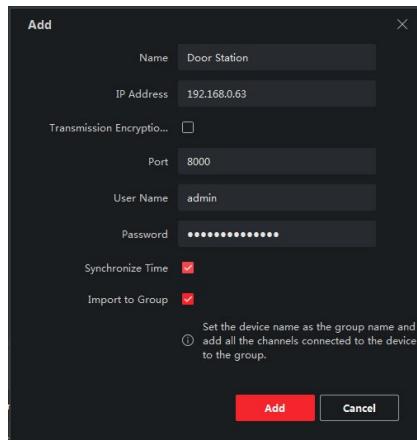
7. The device becomes available in the list "Device for Management"
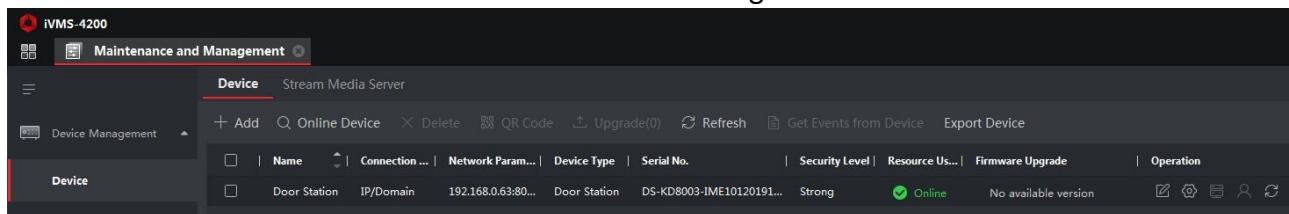
8. Click on the "Remote configuration" of the equipment
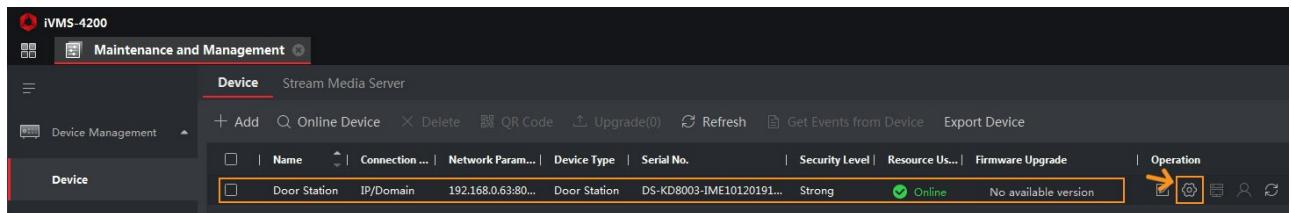
9. Go to "Intercom" settings, select "Dial" and define "Call Indoor Station"
(this option may be different depending on the equipment or the software version in use)
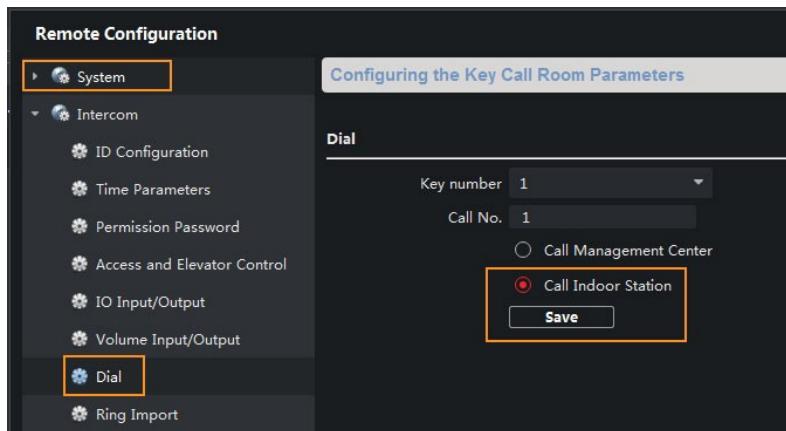
10. Click "Linked Network Configuration" and set the parameters according to the displayed image
(this option may be different depending on the equipment or the software version in use)
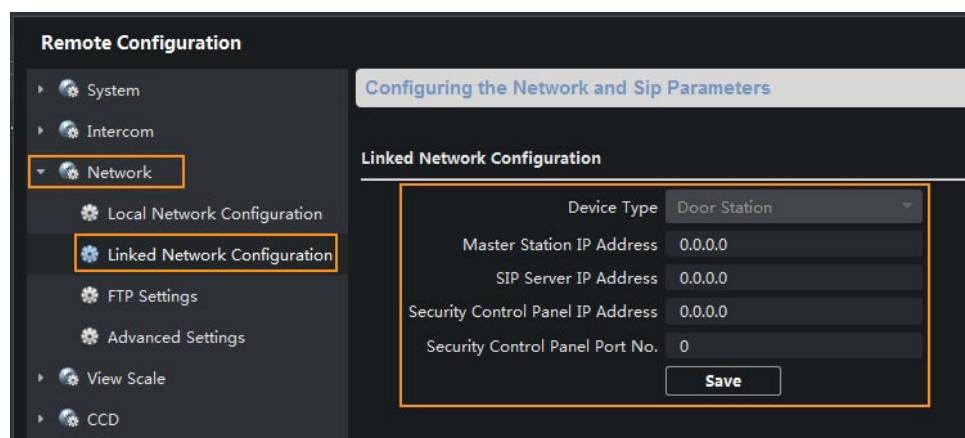
Master Indoor Station configuration with the software Hikvision iVMS-4200

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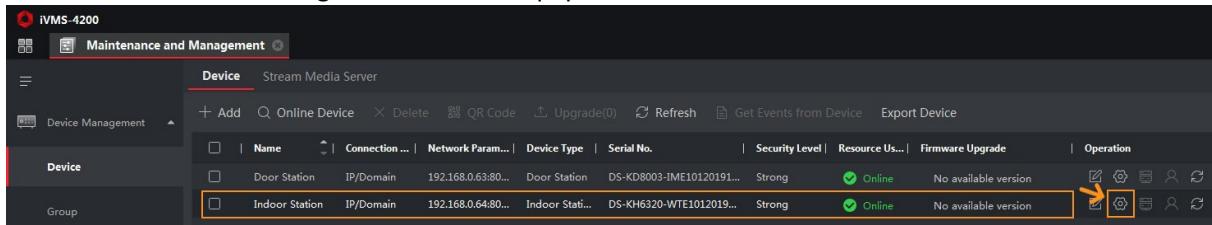
3. Go to "System" settings, select "Security" and define "Compatible Mode"
   (this option may be different depending on the equipment or the software version in use)
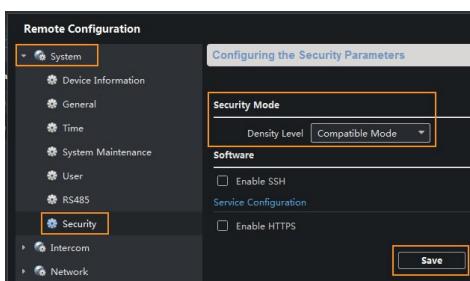
4. Go to "Intercom" settings, select "Intercom Protocol" and define "Private Protocol"
   (this option may be different depending on the equipment or the software version in use)
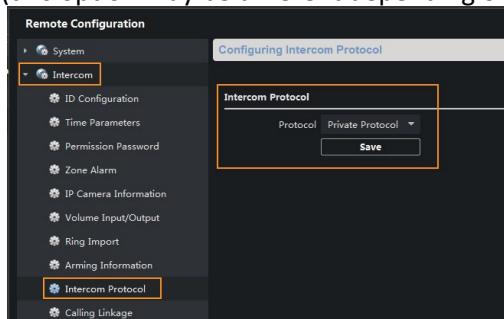

5. Go to "Network" settings, select "Linked Network Configuration":
   (this option may be different depending on the equipment or the software version in use)
   5.1. Define "Main Door Station IP Address";
   5.2. Define "Main Door Station Type" according to device type (P or V);
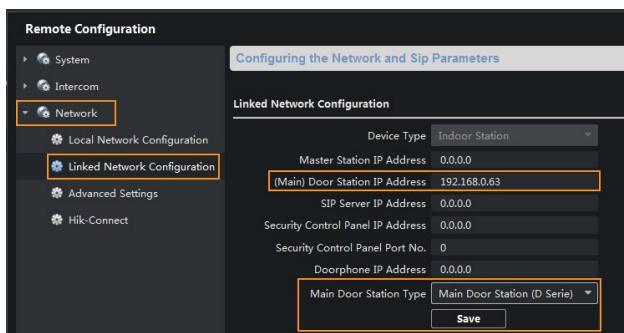
Setup video devices in Mordomus software

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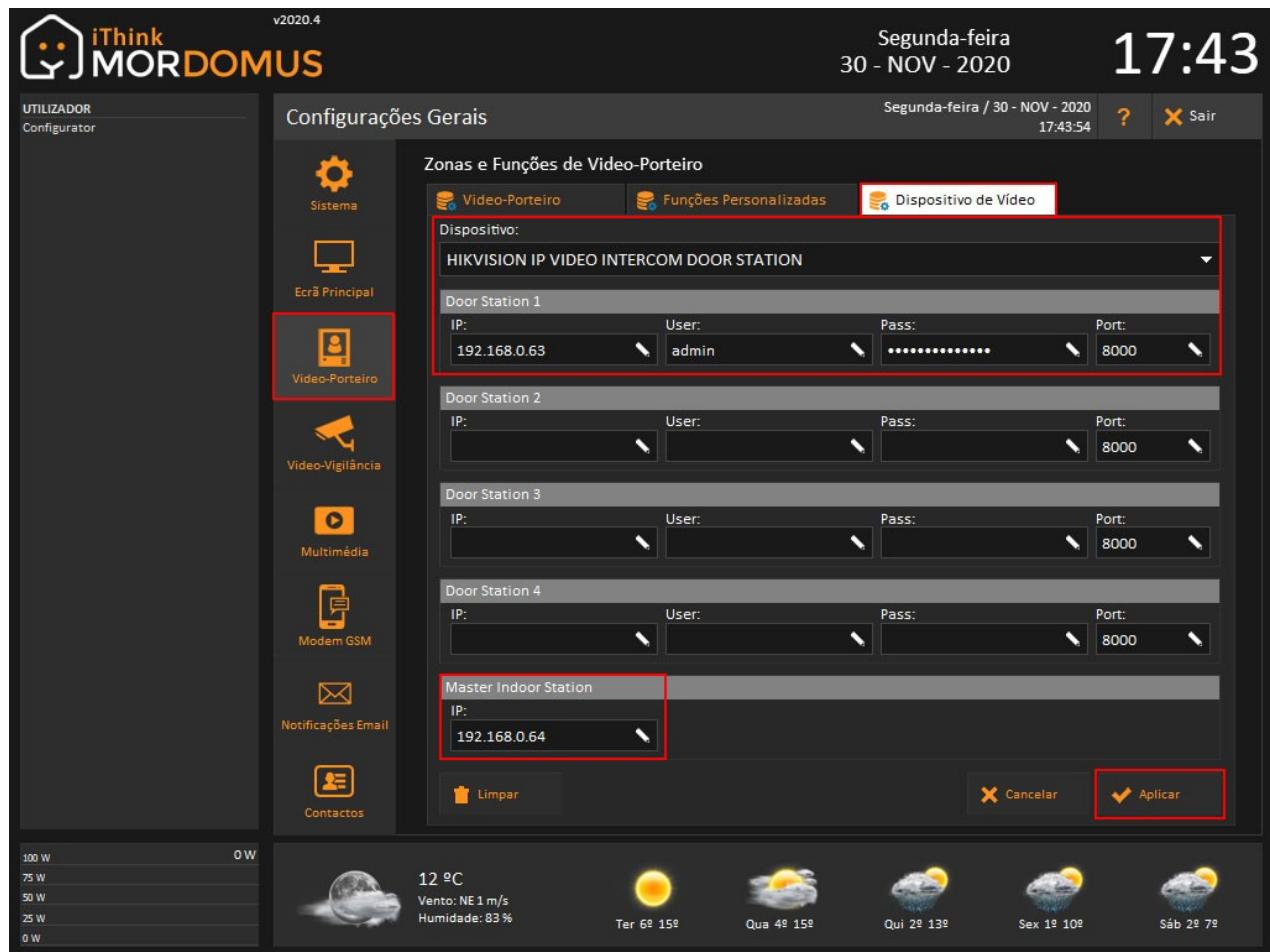
Port Forward settings on the router to allow HD video via the iThink App

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;