HIKVISION

Title:	How to Create Multiple Master Stations Redundancy	Version:	v1.0	Date:	10/24/2018
Product:	Video Intercom			Page:	1 of 4

Preparation

- 1. Two or more master stations (DS-KM8301), firmware version: baseline V1.5.0 or above.
- 2. Client software iVMS-4200: baseline V2.7.2.7 or above

How to Create Multiple Master Stations Redundancy

Step 1: Add Devices to iVMS-4200

Click **Add to Client** tab to add all devices to iVMS-4200, make sure all devices are in the same local network with computer, if not, click **Modify Netinfo** to modify it.

Online Device (10))						
	· •			- 1 -			
 Add to Client 	Add All	Modify Netinfo 🦙 Reset Pas	ssword Transition	ate			
IP	Device Type	Firmware Version	Security	Server Port	Device Serial No.	Start Time	Added
10.9.98.39	DS-KM8301	V1.5.0build 180622	Active	8000	DS-KM83010120171027WR529590112CLU	2018-10-24 17:06:41	Yes
10.9.98.47	DS-KM8301	V1.5.0build 180622	Active	8000	DS-KM83010120180125WR601370111CLU	2018-10-24 16:16:18	Yes

Step 2: Set Main Master Station

- 1) Choose one of the master stations as main master station, go to Remote Configuration-> Intercom
 - -> ID Configuration, Check Serial No. is in default 51.

File	System View Tool Help		💩 ivms	-4200		
=	Control Panel 🛛 🛃 Access Contro	Device M	lanagement			
료	Device for Management (4)					
	🕂 Add 🗹 Modify 🗶 Delete 🗱 Rem	ote Configuration 🏙 Q	R Code 🔮 Activate 🏦 Upgrade (0)			
i ا	Device Type Nickname Connect	io Network Paramet	Device Serial No.	Security	Net Status	Firmwa
	Master Sta KM8301 TCP/IP	10.9.98.47:8000	DS-KM83010120180125WR601370111CLU	Weak	0	Not Up
9		Confirmation that I	Remote Configuration	_	_	×
•* \$ €	 System Device Information General Time System Maintenance User RS485 Mintercom 	Device No. Configuration Device T Community Serial	ype: Master Station			

2) Go to Network -> Linked Network Configuration, input SIP Server IP Address as this master station's own IP address, click Save.

This step will let main masterstation to register on its own build-in SIP server.



Title:	How to Create Multiple Ma	ster Stations Redundancy	Ve	ersion:	v1.0	Date:	10/24/2018
Product:		Video Intercom		·		Page:	2 of 4
Product:	System Device Information General Time System Maintenance System Maintenance Maintena	Video Intercom Remote Configuring the Network a Linked Network Configuration SIP Server Security Control Panel Security Control Panel	e Configuration and Sip Pa Device Type: IP Address: IP Address: nel Port No.:	Master Station 10.9.98.47 0.0.0 0 Save	*	Page:	2 of 4
- @	 Permission Password IP Camera Information Volume Input/Output Intercom Protocol Network Local Network Configuration Linked Network Configuration 						

Step 3: Set Redundancy Master Stations

- 1) Choose another master station as the first redundancy master station, go to: Remote Configuration-
- > Intercom -> ID Configuration, Set serial No. as 52.(Redundancy masterstation No. range :52-99)

=	Control Panel	ess Control	Device M	anagement			
	Device for Management (4)	_					
66	🕂 Add 🗹 Modify 🗙 Delete	🏶 Remo	te Configuration 🗱 QF	Code 🔮 Activate 🏦 Upgrade (0)			
i=1	Device Type Nickname	Connectio	o Network Paramet.	Device Serial No.	Security	Net Status	Firmware
EO	Master Sta KM8301	TCP/IP	10.9.98.47:8000	DS-KM83010120180125WR601370111CLU	Weak	0	Not Upgr
	Master Sta KM8301(2)	TCP/IP	10.9.98.39:8000	DS-KM83010120171027WR529590112CLU	Weak	0	Not Upgr
9	Door Station KD-8102	TCP/IP	10.9.98.225:8000	DS-KD8102-V0120150812WR535977070CLU	Weak	0	Not Upgr
	Indoor Sta KH8301-WT	TCP/IP	10.9.98.48:8000	DS-KH8301-WT0120180123WRC04711526CLU	Weak	0	Not Upgr
¢°				Remote Configuration			×
	🖃 🚳 System		Configuring the F	Room Numbers			
L	Device Information		Device No. Configurati	on			
	General		Device 1	Vne: Master Station			
	🛞 Time		Community				
	System Maintenance		Community				
	luser		Senai				
	@ RS485			Save			
	🖃 🌑 Intercom						
	🔅 ID Configuration						

2) Go to Network > Linked Network Configuration, input SIP Server IP Address as the main master station's IP address, click Save.

This step will let redundancy master station to register on main master station. Then multiple master stations redundancy setting is finished. Other redundancy master stations can be set in the same way.

Remote Configuratio

🖃 🚳 System	Configuring the Network and Sip Pa	rameters
🎡 Device Information	Linked Network Configuration	
🎡 General	Device Type:	Master Station 👻
🎡 Time	SIP Server IP Address:	10.9.98.47
🎡 System Maintenance	Security Control Panel IP Address:	0.0.0.0
🎡 User	Security Control Panel Port No.:	0
@ RS485		Save
🖭 🚳 Intercom		
🖃 🚳 Network		
Local Network Configuration		
🌼 Linked Network Configuration		
Advanced Settings		
🕑 🚳 Video Display		

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Title:	How to Create Multiple Master Stations Redundancy	Version:	v1.0	Date:	10/24/2018
Product:	Video Intercom			Page:	3 of 4

Instructions:

With multiple master stations redundancy, we can achieve following functions:

1) When main master station is busy, the following call will automatically forward to first redundancy master station, and if first redundancy station is also busy, it will forward to second...and so on

2) Multiple master station can call each other using format: Community No.-Serial No. (such as : 1-51)

If master stations are in same Community No., you can only use Serial No. to call each other (51, 52, 53, 54...)



Title:	How to Create Multiple Master Stations Redundancy	Version:	v1.0	Date:	10/24/2018
Product:	Video Intercom			Page:	4 of 4

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