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How to Create Multiple Master Stations Redundancy

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

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) | | | | | | |
|-----------------|---------------|-------------------------------|----------|-------------|-----------------------------------|---------------------|-------|
| + Add to Clie | ent 🕂 Add All | 🗹 Modify Netinfo 🥱 Reset Pass | word 🍦 🤌 | Activate | | | |
| 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

Choose one of the master stations as main masterstation, go into: **Remote Configuration**> **Intercom** > **ID Configuration**, Check **serial No.** is in default 51.

| | Control Panel 📙 Access Con | trol 🚔 Device M: | anagement | | | |
|----------|--------------------------------|--------------------------|-----------------------------------|----------|------------|--------|
| | Device for Management (4) | | | | | |
| æ | 🕂 Add 🗹 Modify 🗙 Delete 🛱 Rei | mote Configuration 🏙 QF | R Code 🔮 Activate 🏦 Upgrade (0) | | | |
| R | Device Type Nickname Conne | ctio Network Paramet. | Device Serial No. | Security | Net Status | Firmwa |
| -0 | Master Sta KM8301 TCP/IP | 10.9.98.47:8000 | DS-KM83010120180125WR601370111CLU | Weak | 0 | Not Up |
| - | | | Remote Configuration | | | × |
| 8 | 🖃 🌚 System | Configuring the R | | | | |
| ¢° | Device Information | Device No. Configuratio | | | | |
| <u>_</u> | General Time | Device Ty Community I | ype: Master Station | | | |
| | System Maintenance User | Serial I | No.: 51 | | | |
| B | @ RS485 | | Save | | | |
| | - 🚳 Intercom | | | | | |
| | ID Configuration | | | | | |

Then 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.

| 🖃 🍘 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 | | | |
| ID Configuration | | | |
| ③ Time Parameters | | | |
| Permission Password | | | |
| IP Camera Information | | | |
| Wolume Input/Output | | | |
| Intercom Protocol | | | |
| E 🚳 Network | | | |
| Local Network Configuration | | | |
| Linked Network Configuration | | | |

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Step 3: Set Redundancy Master Stations

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

| Control Panel 🛃 Acc | cess Contro | I 🚔 Device M | anagement | | | |
|---------------------------|-------------|------------------------|--------------------------------------|----------|------------|----------|
| Device for Management (4) | | | | | | |
| Add 🗹 Modify 🗙 Delete | 🌣 Remo | te Configuration 🗱 QF | Code 🔮 Activate 🏦 Upgrade (0) | | | |
| Device Type Nickname | Connecti | o Network Paramet. | Device Serial No. | Security | Net Status | Firmware |
| Master Sta KM8301 | TCP/IP | 10.9.98.47:8000 | DS-KM83010120180125WR601370111CLU | Weak | 0 | Not Upg |
| Master Sta KM8301(2) | TCP/IP | 10.9.98.39:8000 | DS-KM83010120171027WR529590112CLU | Weak | 0 | Not Upg |
| Door Station KD-8102 | TCP/IP | 10.9.98.225:8000 | DS-KD8102-V0120150812WR535977070CLU | Weak | 0 | Not Upg |
| Indoor Sta KH8301-WT | TCP/IP | 10.9.98.48:8000 | DS-KH8301-WT0120180123WRC04711526CLU | Weak | 0 | Not Upg |
| ×° | | | Remote Configuration | | | × |
| 🖃 🚳 System | | Configuring the I | Room Numbers | | | |
| Device Information | | Device No. Configurati | on | | | |
| General | | Device 1 | Vpe: Master Station | | | |
| Time | | Community | No : 1 | | | |
| System Maintenance | | Serial | | | | |
| io 🤬 User | | | Save | | | |
| @ RS485 | | | Jave | | | |
| - 🗟 Intercom | | | | | | |
| 🔅 ID Configuration | | | | | | |

Then 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.

| 🖃 🚳 System | Configuring the Network and Sip Parameters | | | |
|----------------------------------|--|-------------|--|--|
| Device Information | Linked Network Configuration | | | |
| 🎡 General | Device Type: Maste | r Station 👻 | | |
| 🎡 Time | SIP Server IP Address: 10.9.9 | 8.47 | | |
| 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 | | | | |

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...)

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