Hybrid Security Control Panel

User Manual

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Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
Note	Provides additional information to emphasize or supplement important points of the main text.

Contents

Chapter 1 System Description

Hybrid security control panel, containing onboard zones, supports wired/wireless alarm inputs and outputs expanding. It works with Wi-Fi, LAN, GPRS, and 3G/ 4G communication methods, as well as ISAPI, ISUP 5.0, and DC09 protocol. It is applicable to the scenarios of market, store, house, factory, warehouse, office, etc.

- Dual path communication of alarm events and other signals over LAN, PSTN, Wi-Fi (-W model), GPRS and 3G/4G utilizing a main and backup channel with configurable priority
- 4/8 on-board wired zones, and expandable with up to 20/64 wired zones
- Up to 20/64 wireless inputs, 20/64 wireless outputs, 8 keyfobs, 1 wired sounder and 2 wireless sounders
- Camera accessing (only supported by DS-PHAXX-WXX)
- Pre-alarm (5 s/2 s) and post-alarm (2 s/5 s) recording for video verification to the alarm receiving email or mobile client
- Uploads alarm events to alarm receiving center or platform
- Supports arming/disarming via keypad, mobile client, iVMS-4200, SMS, and tag
- Configuration via web client, Hik-Connect, or iVMS-4200
- Pushes alarm notification via messages
- Alarm video clips via emails and APP
- AES-128-bit data encryption
- LED indicator for indicating system status (-P model)
- Expandable PSTN, 3G/4G, and GPRS interface
- Supports RS-485 input and output expander
- Supports lithium battery (-P model) or storage battery (-M model)
- 1 maintenance, 1 installer, 1 administrator, and 13 users (DS-PHA20)/45 users (DS-PHA64)

Chapter 2 Specifications

Model		DS-PHA20-P DS-PHA20-M DS-PHA64-M DS-PHA64-P2	DS-PHA20-W2M DS-PHA20-W2P DS-PHA64-W4M DS-PHA64-W4P2
Device connection	Wireless Detector	Up to 16/56	
	Wireless Output expander	Up to 8	
	Sounder	1 wired sounder (on-board connection) 2 wireless sounders	
	Keyfob	8	
Alarm input	Area	4 (DS-PHA20) 8 (DS-PHA64)	
	Zone	4 on-board zones , and 16 wired/wireless zones expadable (DS-PHA20) 8 on-board zones, and 56 wired/wireless zones expadable (DS-PHA64)	
Alarm output	Alarm output	2 on-board outputs, and 18 wired/wireless outputs expadable (DS-PHA20) 4 on-board outputs, and 60 wired/wireless outputs expadable (DS-PHA64)	
Function	Scheduled arming/ disarming	Supported	
	SMS notification (with 3G/4G/GPRS module)	Supports up to 8 mobile phone numbers	
	Network camera accessing	N/A	2 (DS-PHA20) 4 (DS-PHA64)
Application & Protocol	Application	iVMS-4200 (client software) Hik-Connect (mobile client)	
	Protocol	ISAPI: Supports client software and web client Cloud P2P: Supports cloud P2P privacy protocol	

Model		DS-PHA20-P DS-PHA20-M DS-PHA64-M DS-PHA64-P2	DS-PHA20-W2M DS-PHA20-W2P DS-PHA64-W4M DS-PHA64-W4P2
		DC09: ARC accessible (CID/SIA)	
Network	Wired network	10M/100M Ethernet	
	Cellular Network (with 3G/4G/GPRS module)	Supports report push-notification to ARC & Cloud	
Wi-Fi	Standard	N/A	802.11b/g/n
	Encryption	N/A	64/128-bit WEP,WPA/WPA2,WPA-PSK/WPA2-PSK
	Configuration	N/A	AP Mode
	Distance	N/A	Indoor: ≤ 50 m Outdoor: ≤ 100 m
Interface & Component	TAMPER Switch	1, front cover tamper-proof	
	Network Interface	1, RJ45 10M/100M Ethernet Interface	
	Telephone Interface	1, PSTN expander interface	
	RS-485 Terminal	1, extended up to 20 inputs/outputs (with RS-485 module), and 9 wired keypads extendable (DS-PHA20) 1, extended up to 64 inputs/outputs (with RS-485 module), and 9 wired keypads extendable (DS-PHA64)	
	Sounder Power Interface	1, 12V	
	Battery Interface	Lithium battery (-P model) Storage battery (-M model &P2&W4P2)	
User	User	Installer: 1 Administrator: 1 Manufactuer:1 Operator: 13 (DS-PHA20), 45 (DS-PHA64)	
Others	Auxiliary Power Supply	Plastic Case: 7.2W, current: 600mA	

Model		DS-PHA20-P DS-PHA20-M DS-PHA64-M DS-PHA64-P2	DS-PHA20-W2M DS-PHA20-W2P DS-PHA64-W4M DS-PHA64-W4P2
		Metal Case (&P2&W4P2): 13W, current: 1000mA	
	Sounder Output Power	Plastic Case: 5W, current: 400 mA Metal Case (&P2&W4P2): 8W, current: 600 mA	
	RS-485 Device Output Power	Plastic Case: 7.2W, current: 600mA Metal Case (&P2&W4P2): 13W, current: 1000mA	
	Alarm Output Rated Current	500 mA	
	Operation Temperature	–10 °C to 55 °C (-4 °F to 122 °F)	
	Operation Humidity	10% to 90% (No condensing)	
	Dimension (W × H × D)	Plastic Case (P&W4P): 220 mm (8.6") × 152 mm (6.0") × 31.5 mm(1.2") Plastic Case (P2&W4P2): 310 mm (12.2") × 225 mm (8.6") × 95 mm (3.7") Metal Case: 351.4 mm (13.8") × 261.4 mm (10.3") × 93.3 mm (3.7")	

Chapter 3 Activation

In order to protect personal security and privacy and improve the network security level, you should activate the device the first time you connect the device to a network.

3.1 Activate Device via Web Browser

Use web browser to activate the device. Use SADP software or PC client to search the online device to get the IP address of the device, and activate the device on the web page.

Before You Start

Make sure your device and your PC connect to the same LAN.

Steps

1. Open a web browser and input the IP address of the device.

   Note

   If you connect the device with the PC directly, you need to change the IP address of your PC to the same subnet as the device. The default IP address of the device is 192.0.0.64.

2. Create and confirm the admin password.

   Caution

   STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

3. Click **OK** to complete activation.
4. Edit IP address of the device.
   1) Enter IP address modification page.
   2) Change IP address.
   3) Save the settings.

   Note

   - The default user name of admin account is **admin**.
   - You should login the admin account first to enable the installer and the maintenance.
   - The default password of the **installer** is **installer12345**, and the default password of the **maintenance** (for Italian, the user name is **costruttore**) is **hik12345**. These password will have to be changed when first connected.
   - The Italian user name of admin is **admin**.

Table 3-1 User Name of Installer

Language	User Name	Language	User Name
English	installer	Russian	монтажник
Italian	installatore	French	installateur
Polish	instalator	Spanish	instalador
German	errichter	Portuguese	instalador
Turkish	kurulumcu	Czech	technik

3.2 Activate Device via Client Software

Before You Start

- Get the iVMS-4200 client software from the supplied disk or the official website ***http://www.hikvision.com/en/*** . Install the software by following the prompts.
- The device and the PC that runs the software should be in the same subnet.

Steps

1. Run the client software.
2. **Optional:** Click Not Logged in , select the **Cloud P2P Region**, and login the Cloud P2P account.

   Note

   - For the first use, you need to register a cloud P2P account.
   - After logging in, you can store your device on the cloud.

3. Enter **Device Management → Device** in the **Maintenance and Management** list.
4. Click **Online Device**.
5. Check the device status from the online device list, and select an inactive device.
6. Click **Activate**.
7. Create and confirm the admin password of the device.

   Caution

   STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

8. Click **OK** to start activation.

   Device status will change to **Active** after successful activation.

9. Edit IP address of the device.

1) Select a device and click on the online device list.
2) Change the device IP address to the same subnet with your computer and set port number as 80.
3) Enter the admin password of the device and click **OK** to complete modification.

10. Optional: Check the device on the online device list and click **Add** to add the device to the device list.

3.3 Activate via SADP

SADP is a tool to detect, activate and modify the IP address of the device over the LAN.

Before You Start

- Get the SADP software from the supplied disk or the official website ***http://www.hikvision.com/en/*** , and install the SADP according to the prompts.
- The device and the PC that runs the SADP tool should be within the same subnet.

The following steps show how to activate a device and modify its IP address. For batch activation and IP addresses modification, refer to *User Manual of SADP* for details.

Steps

1. Run the SADP software and search the online devices.

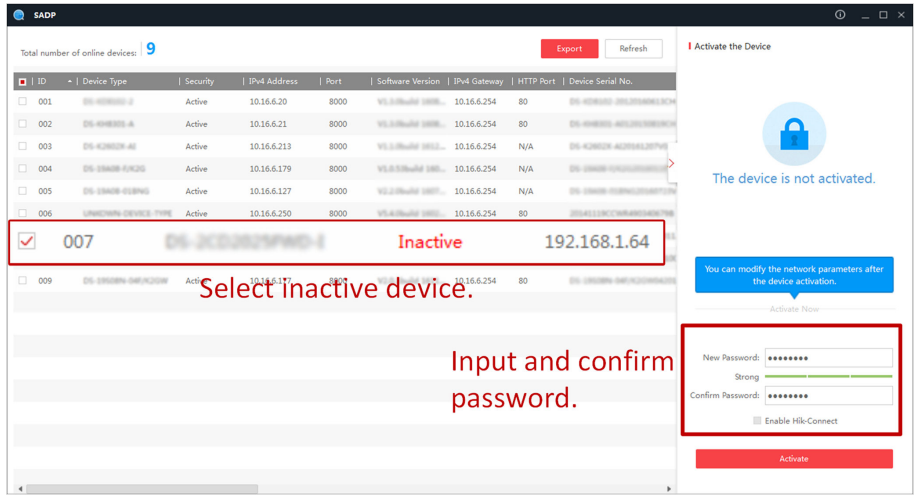
2. Find and select your device in online device list.

3. Input new password (admin password) and confirm the password.

Caution

STRONG PASSWORD RECOMMENDED-We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

4. Click **Activate** to start activation.



Status of the device becomes **Active** after successful activation.

5. Modify IP address of the device.
   1) Select the device.
   2) Change the device IP address to the same subnet as your computer by either modifying the IP address manually or checking **Enable DHCP**.
   3) Input the admin password and click **Modify** to activate your IP address modification.

Chapter 4 Configuration

Configure the security control panel in the web client or the remote configuration page in client software.

4.1 Use the Client Software

Steps

1. Download, install and register to the client software.
2. Add device in **Device Management → Device** .

   Note

   - Set the device port No. as 80.
   - The user name and password when adding device are the activation user name and password.

3. Click to enter the Remote Configuration page after the device is completely added,

4.2 Use the Web Client

Steps

1. Connect the device to the Ethernet.
2. Search the device IP address via the client software and the SADP software.
3. Enter the searched IP address in the address bar.

   Note

   When using mobile browser, the default IP Address is 192.168.8.1. The device must be in the AP mode.

   Note

   When connecting the network cable with computer directly, the default IP Address is 192.0.0.64

4. Use the activation user name and password to login.

   Note

   Refer to *Activation* chapter for the details.

4.2.1 Communication Settings

Wired Network Settings

You can set the device IP address and other network parameters.

Steps

Note

Functions varied depending on the model of the device.

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → Ethernet** to enter the page.

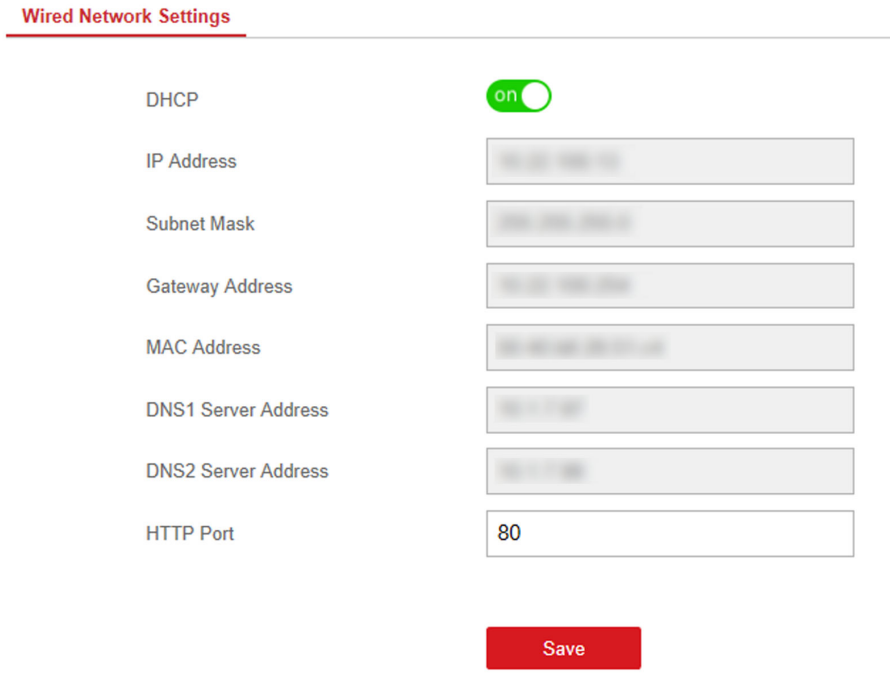


Figure 4-1 Wired Network Settings Page

3. Set the parameters.
   - Automatic Settings: Enable **DHCP** and set the HTTP port.
   - Manual Settings: Disabled **DHCP** and set **IP Address**, **Subnet Mask**, **Gateway Address**, **DNS Server Address**.

   Note

   By default, the HTTP port is 80, which is not editable.

4. **Optional:** Set correct DNS server address if the device needs to visit Hik-Connect server via a domain name.
5. Click **Save**.

Wi-Fi

You can set the Wi-Fi parameters if there are secure and credible Wi-Fi networks nearby.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → Wi-Fi** to enter the Wi-Fi page.

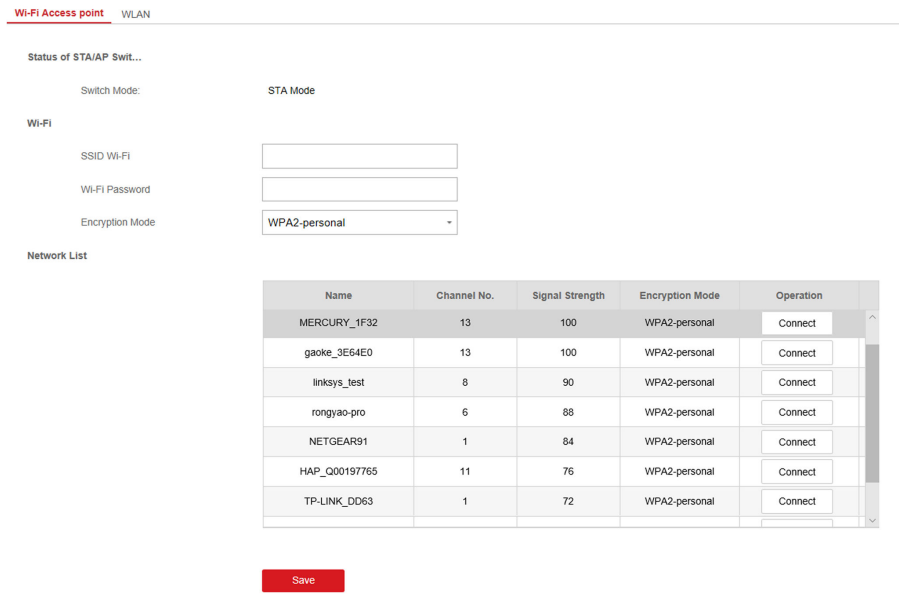


Figure 4-2 Wi-Fi Settings Page

3. Connect to a Wi-Fi.
   - Manually Connect: Input the **SSID Wi-Fi** and **Wi-Fi Password**, select **Encryption Mode** and click **Save**.
   - Select from Network List: Select a target Wi-Fi from the Network list. Click **Connect** and input Wi-Fi password and click **Connect**.
4. Click **WLAN** to enter the WLAN page.

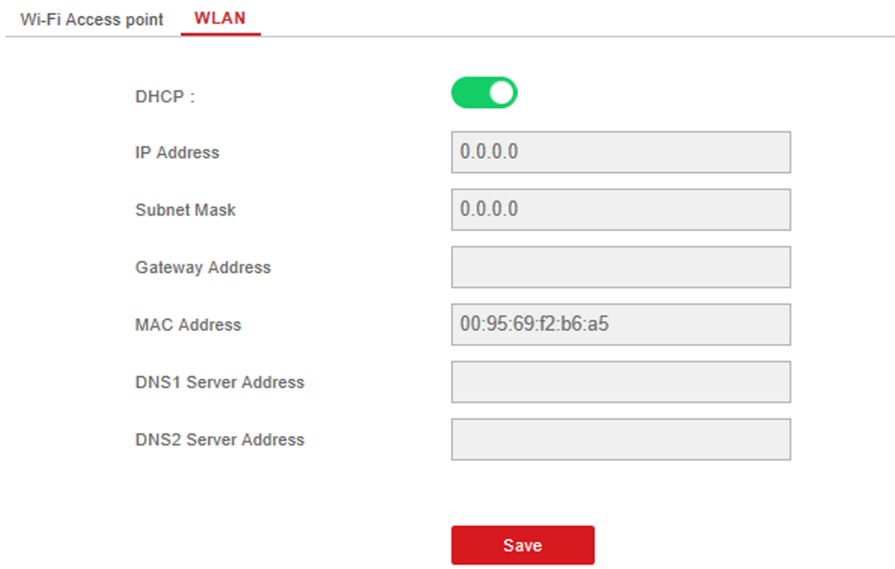


Figure 4-3 WLAN Settings Page

5. Set **IP Address**, **Subnet Mask**, **Gateway Address**, and **DNS Server Address**.

Note

If enable DHCP, the device will gain the Wi-Fi parameters automatically.

6. Click **Save**.

Cellular Network

Set the cellular network parameters if you insert a SIM card inside the device. By using the cellular network, the device can upload alarm notifications to the alarm center and make a voice call to the mobile phone.

Before You Start

Insert a SIM card into the device SIM card slot.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → Cellular Data Network** to enter the Cellular Data Network Settings page.

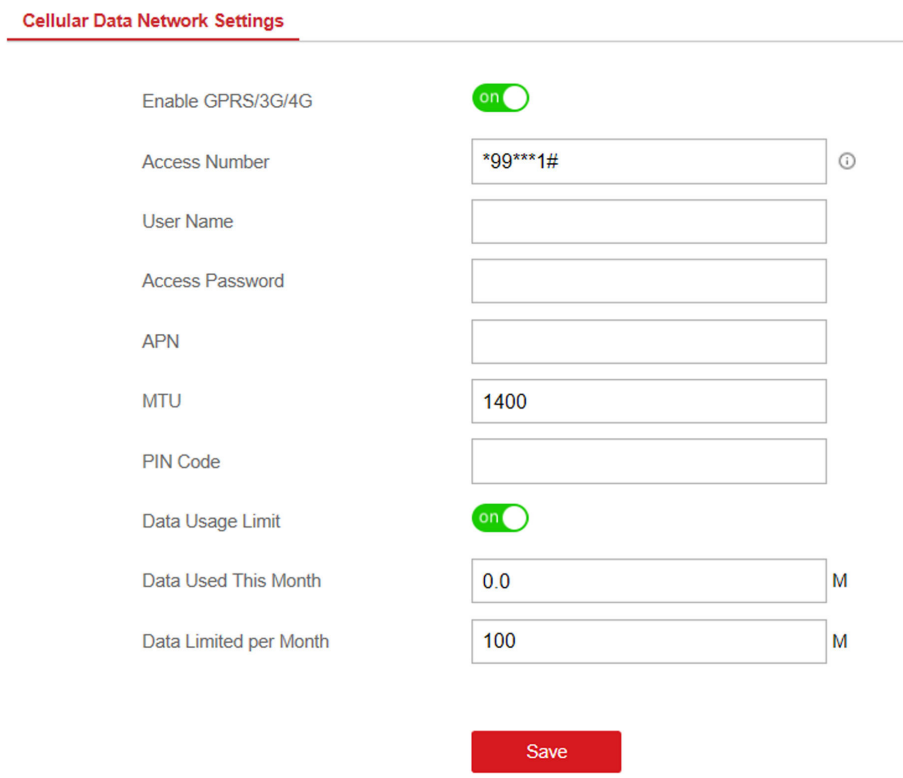


Figure 4-4 Cellular Data Network Settings Page

3. Enable Wireless Dial.
4. Set the cellular data network parameters.

   Access Number

   Input the operator dialing number.

   User Name

   Ask the network carrier and input the user name.

   Access Password

   Ask the network carrier and input the password.

   APN

   Ask the network carrier to get the APN information and input the APN information.

   Data Usage Limit

   You can enable the function and set the data threshold every month. If data usage is more than the configured threshold, an alarm will be triggered and uploaded to the alarm center and mobile client.

   Data Used This Month

   The used data will be accumulated and displayed in this text box.
5. Click **Save**.

Alarm Center

You can set the alarm center's parameters and all alarms will be sent to the configured alarm center.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → Alarm Receiving Center** to enter the Alarm Receiving Center page.

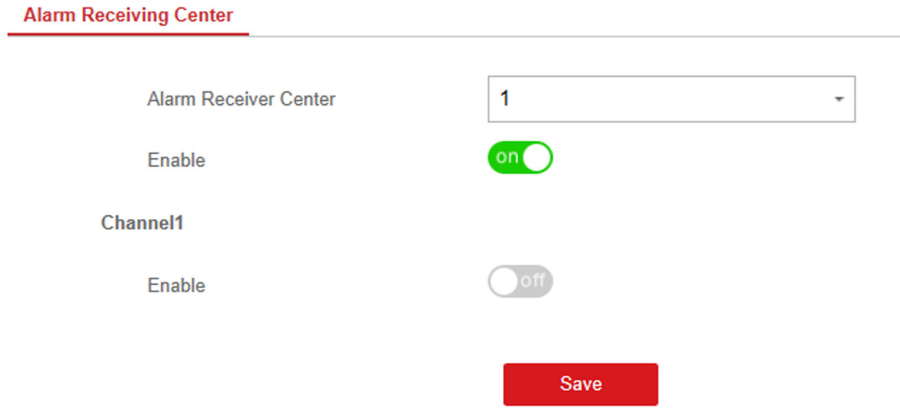


Figure 4-5 Alarm Receiving Center Parameters

3. Select the **Alarm Receiver Center** as **1**, **2** or **3** for configuration , and slide the slider to enable the selected alarm receiver center.
4. Slide the slider to enbale **Channel 1**.

Note

- Channel 2 and channel 3 are the backup channels. You can enable channel 2 and 3 as needed.
- 4G function needs to be configured before enabling channel 2.
- PTSN function needs to be configured before enabling channel 3.

5. Select the **Communication Type** as **TCP/IP (LAN&WLAN)**, **Mobile Network** or **PSTN**.
6. Select the **Protocol Type** as **ADM-CID**, **ISUP**, **SIA-DCS**, ***SIA-DCS**, ***ADM-CID**, **CSV-IP** or **PSTN-CID** (only for PSTN communication type) to set uploading mode.

Note

Standard DC-09 Protocol
ADM-CID: The data presenting method of DC-09 is CID, which is not encrypted and only for uploading alarm report.
*ADC-CID: The data presenting method of DC-09 is CID, which is encrypted and only for uploading alarm report.

SIA-DCS: The data presenting method of DC-09 is DCS (also called SIA protocol), which is not encrypted and only for uploading alarm report.
*SIA-DCS: The data presenting method of DC-09 is DCS (also called SIA protocol), which is encrypted and only for uploading alarm report.

- **ADM-CID** or **SIA-DCS**

  You should select the **Address Type** as **IP** or **Domain Name**, and enter the IP/domain name, server address, port number, account code, transmission mode, retry timeout period, attempts, heartbeat interval and monitoring station ping interval.

  Periodic Test

  After setting the monitoring station ping interval, the device will send a test event to the platform at the intervals.

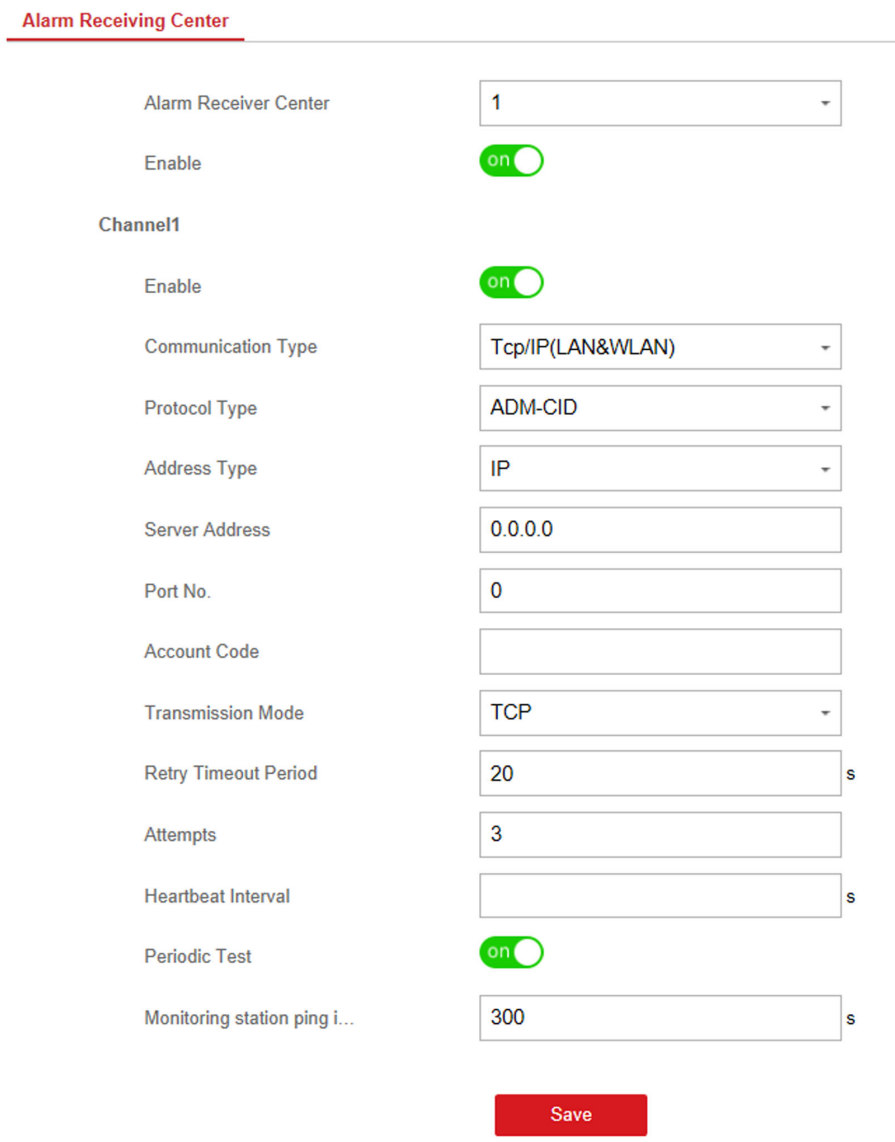


Figure 4-6 ADM-CID

Note

Set the heartbeat interval with the range from 10 to 3888000 seconds.

- **ISUP**

  You do not need to set the ISUP protocol parameters.

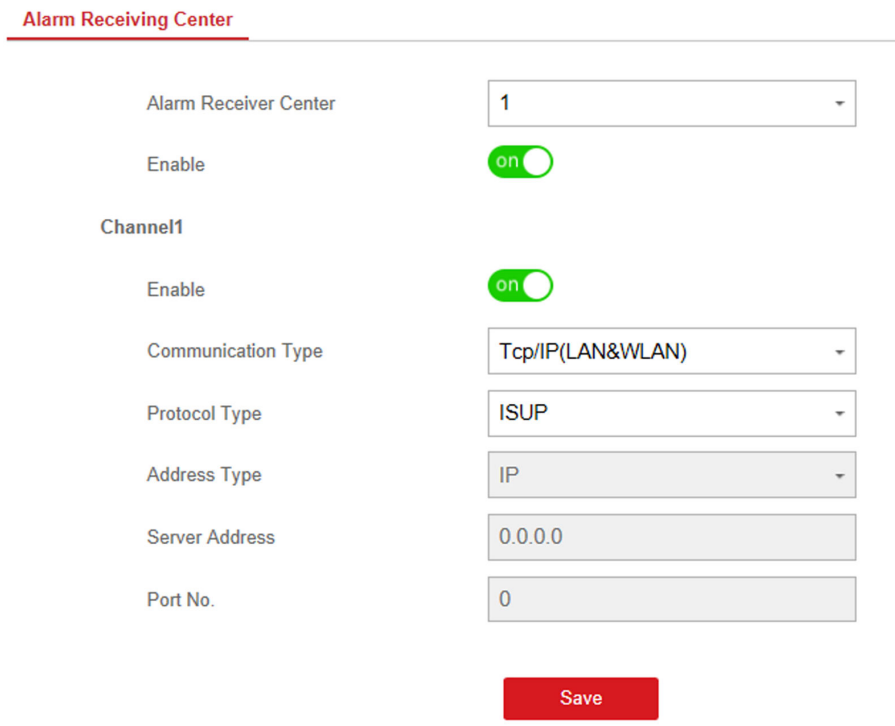


Figure 4-7 ISUP

- ***SIA-DCS**

  You should select the **Address Type** as **IP** or **Domain Name**, and enter the IP/domain name, server address, port number, account code, transmission mode, retry timeout period , attempts, heartbeat interval, encryption arithmetic, password length, secret key and monitoring station ping interval.

  Periodic Test

  After setting the monitoring station ping interval, the device will send a test event to the platform at the intervals.

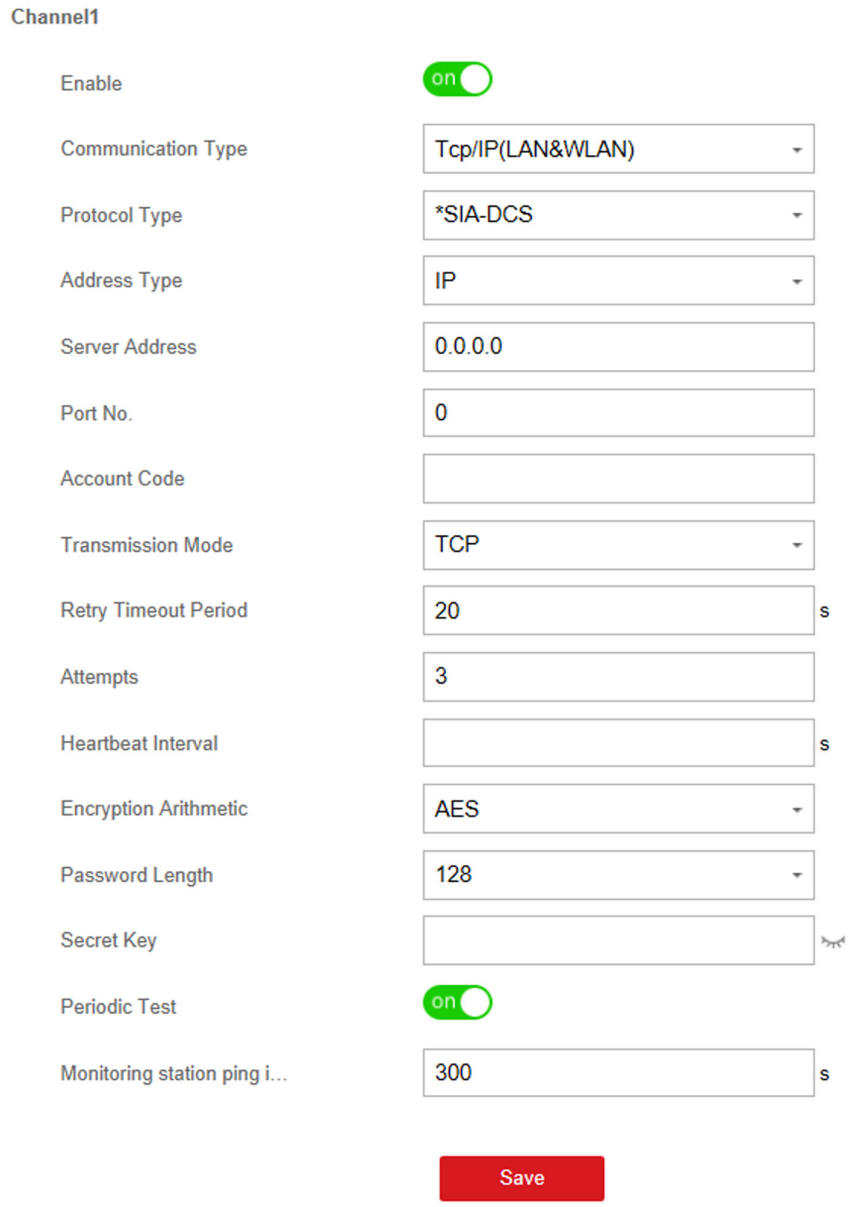


Figure 4-8 *SIA-DCS

Note

- Set the heartbeat interval with the range from 10 to 3888000 seconds.
- For encryption arithmetic: The panel support encryption format for information security according to DC-09, AES-128, AES-192 and AES-256 are supported when you configure the alarm center.
- For the secret key: When you use an encrypted format of DC-09, a key should be set when you configure the ARC. The key would be issued offline by ARC , which would be used to encrypt the message for substitution security.

- **CSV-IP**

  You should select the **Address Type** as **IP** or **Domain Name**, and enter the IP/domain name, server address, port number, account code, retry timeout period , attempts, monitoring station ping interval and authentication information.

  Periodic Test

  After setting the monitoring station ping interval, the device will send a test event to the platform at the intervals.

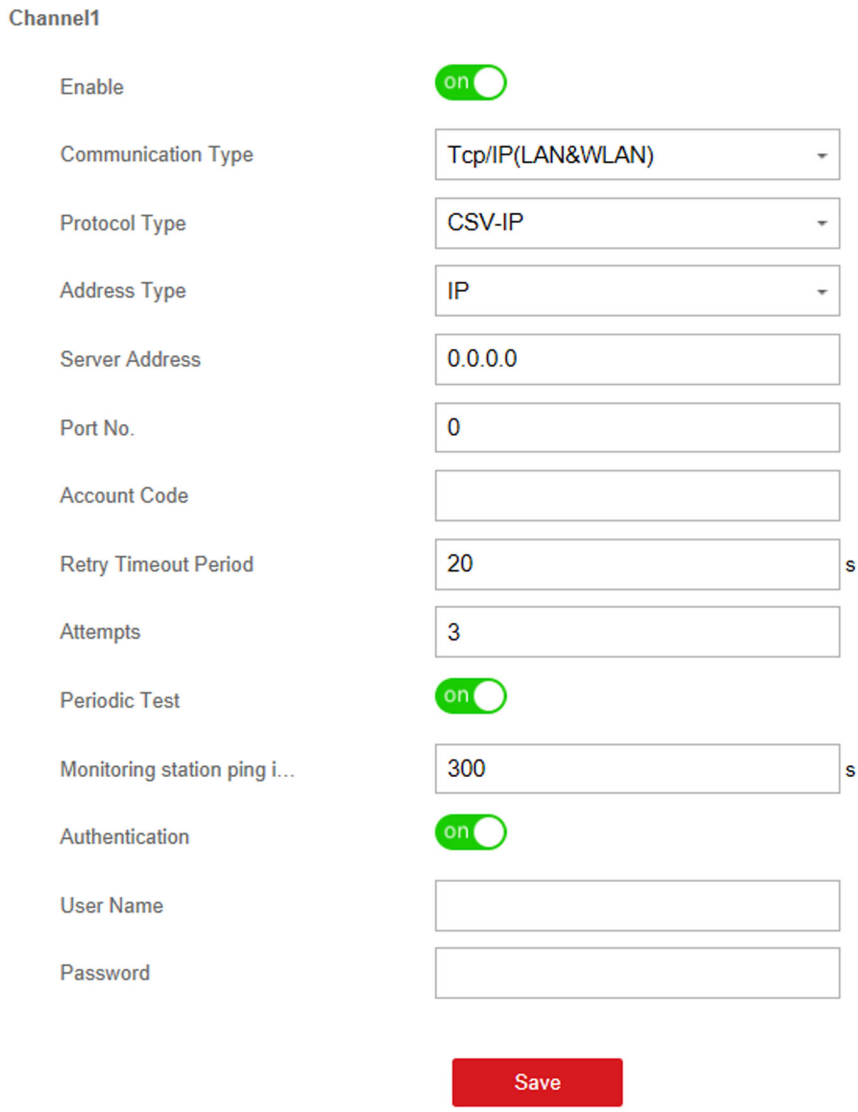


Figure 4-9 CSV-IP

- **PSTN-CID**

  You should select the **Communication Type** as **PSTN** and select the **Protocol Type** as **PSTN-CID** and configure the uploading period, uploading the first test report, center name, center number, dialing times, communication protocol, transmission mode and receiver account.

Periodic Test

After setting the monitoring station ping interval, the device will send a test event to the platform at the intervals.

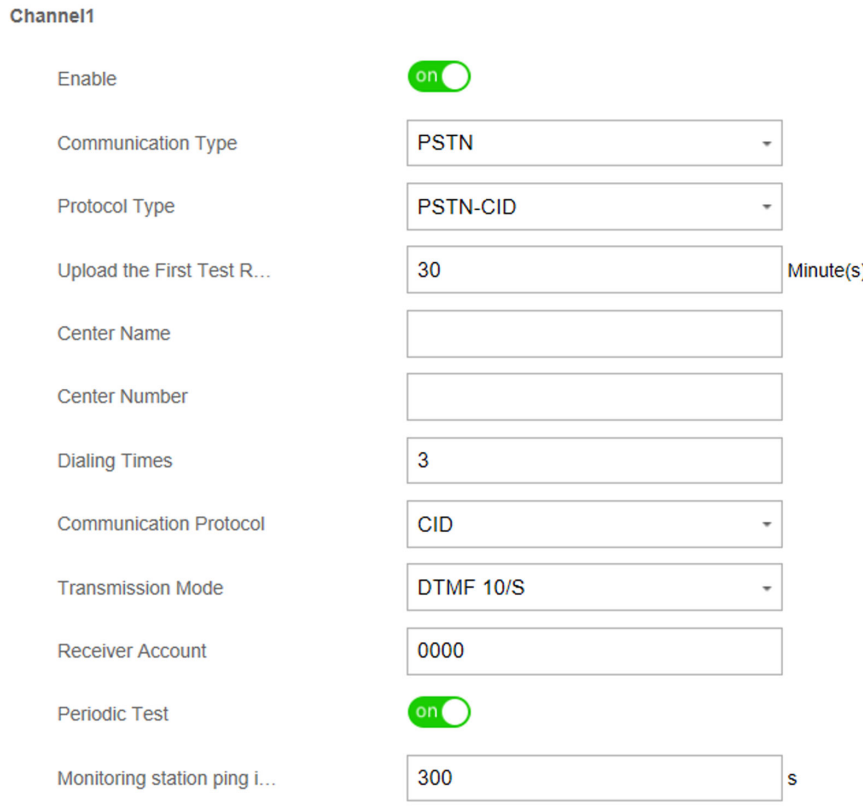


Figure 4-10 PSTN-CID

7. Click **Save**.
8. **Optional:** Enable channel 2 and configure its parameters.

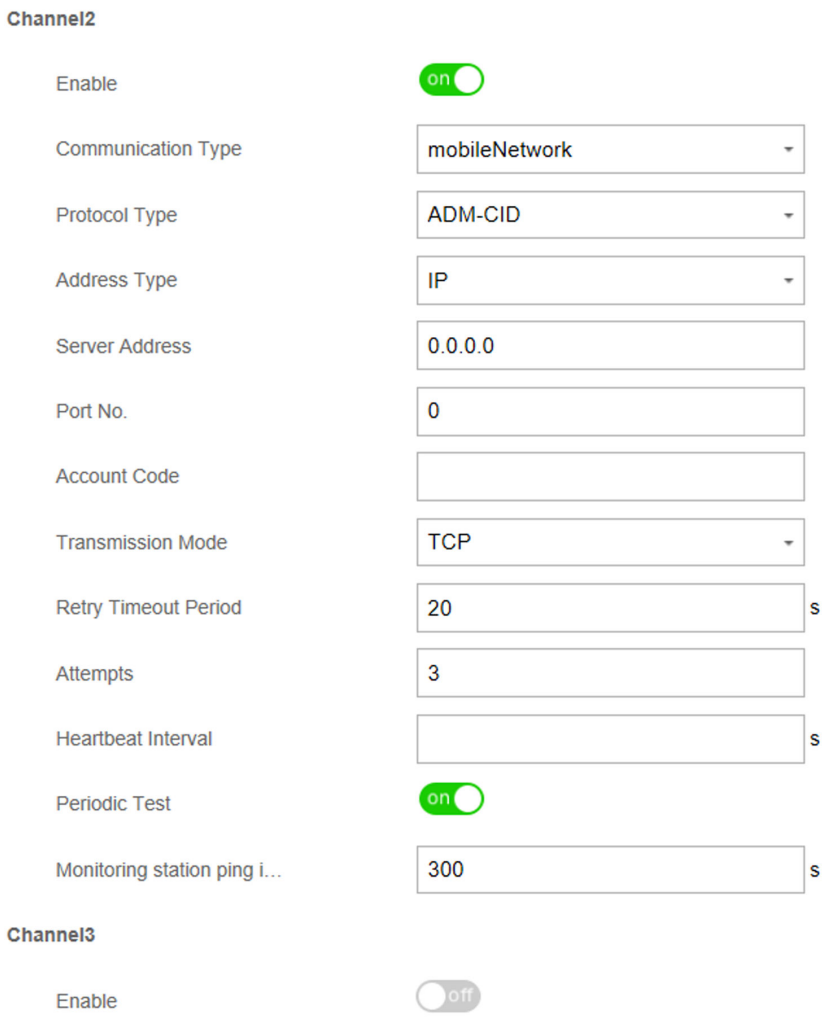


Figure 4-11 Channel 2

9. **Optional:** Enable channel 3 and configure its parameters.

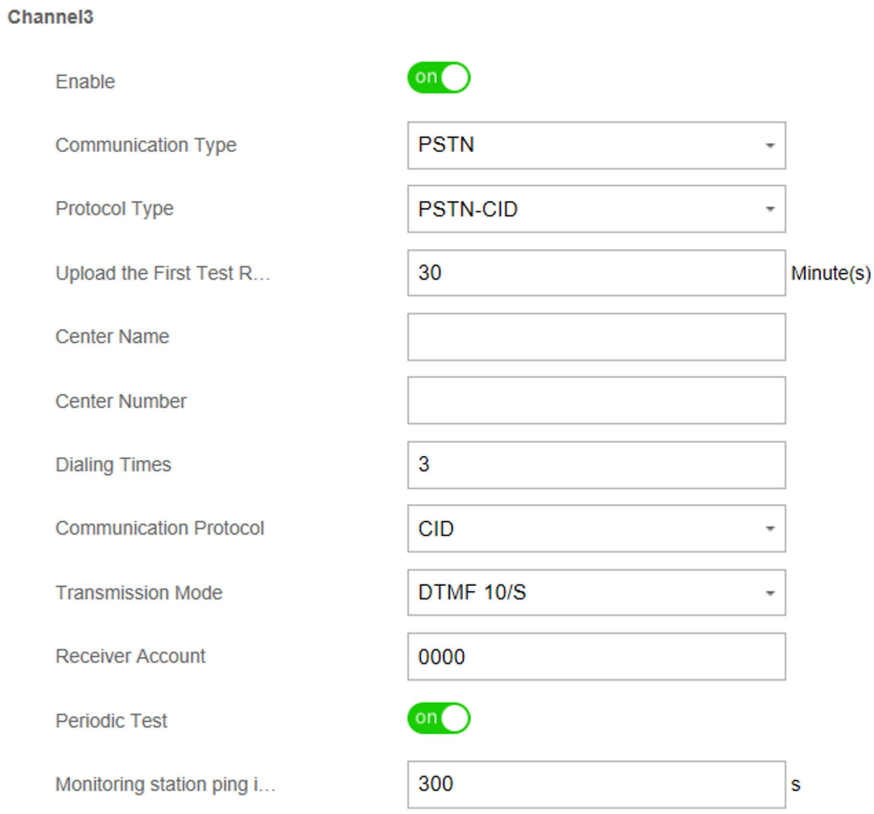


Figure 4-12 Channel 3

Notification Push

When an alarm is triggered, if you want to send the alarm notification to the client, alarm center, cloud or mobile phone, you can set the notification push parameters.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → Event Communication** .
3. Enable the target notification.

   Zone Alarm & Tampering Alarm Notification

   The device will push notifications when the zone alarm (on web client, software client or mobile client) is triggered or the zone tampering alarm is triggered or restored.

   Device Tampering Alarm Notification

   The device will push notifications when tampering alarm of any device is triggered or restored.

   Control Panel Tampering Alarm Notification

The device will push notifications when tampering alarm of the control is triggered or restored.

Panic Alarm Notification

The device will push notifications when panic alarm on keypads or keyfobs is triggered or restored by keypads or keyfobs.

Medical Alarm Notification

The device will push notifications when medical alarm on keypads is triggered.

Fire Alarm Notification

The device will push notifications when fire alarm on keypads is triggered or a user presses the fire alarm key on the keypad.

Panel Management Notification

The device will push notifications when the user operate the control panel.

Control Panel System Status Notification

The device will push notifications when the control panel system status is changed.

Detector Status Notification

The device will push notifications when any detector status is changed.

Device Status Alarm Notification

The device will push notifications when any device status is changed.

Smart Alarm Event

The device will push notifications when alarm is triggered in network cameras.

4. **Optional:** For **Alarm Receiver Center**, you need to select center number before settings.
5. **Optional:** If you want to send the alarm notifications to the mobile client, you should set **Mobile Phone** parameters.

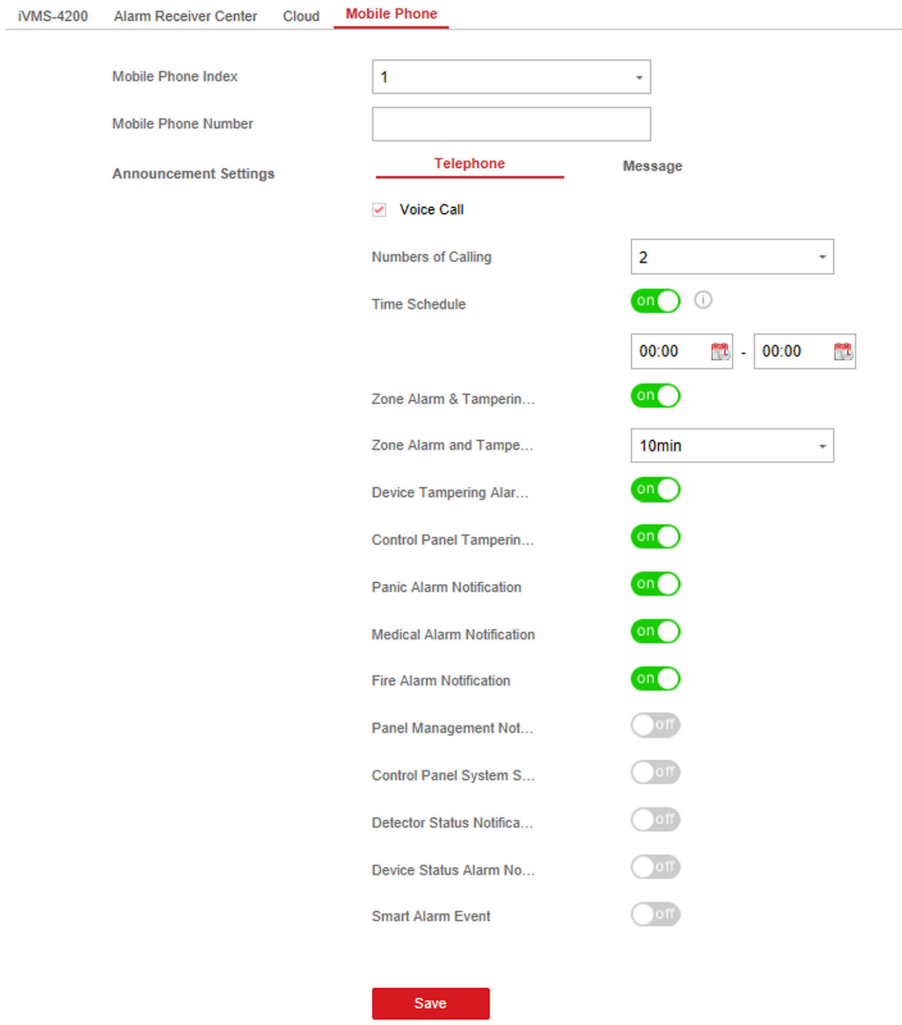


Figure 4-13 Mobile Phone Settings Page

1) Set the **Mobile Phone Index** and **Mobile Phone Number** .
2) Check **Voice Call** on **Telephone** page.
3) select time of **Zoom Alarm and Tampering Alarm Notification Filtering** and **Number of Calling**.
4) Check **SMS** on **Message** page.
5) Select areas that have arming, disarming or alarm clearing permission.

   Time Schedule

   After enabled, only if the alarms occurs within the time period, the contact number can receive message and nitification call. SMS back control will also take effect according to the schedule.

6. Click **Save**.

Result

Note

You can arm/disarm/clear alarm via sending SMS. The number of the SIM card installed in the control panel is the receiver number.
You can send **help** to the control panel to get the SMS command list.
The control message is **Command + Operation Type + Target** , and the details are show below.
For examples, command **00+1+1** indicates area 1 disarming, and command **01+1+1** indicates area 1 away arming.

Command	Operation Type	Target
2 Digits 00: Disarming 01: Away Arming 02: Stay Arming 03: Alarm Clearing	1 Digit 1: Area Operation	No more than 3 Digits 0: All area arming/disarming/ clearing Alarm 1: Area 1 arming/disarming/ clearing Alarm ... 4: Area 4 arming/disarming/ clearing Alarm ...

Mobile Client Registration

If you want to register the device to the mobile client for remote configuration, you should set the mobile client registration parameters.

Before You Start

- Connect the device to the network via wired connection, dial-up connection, or Wi-Fi connection.
- Set the device IP address, subnet mask, gateway and DNS server in the LAN.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → Hik-Connect Registration** to enter the Hik-Connect Registration Settings page.

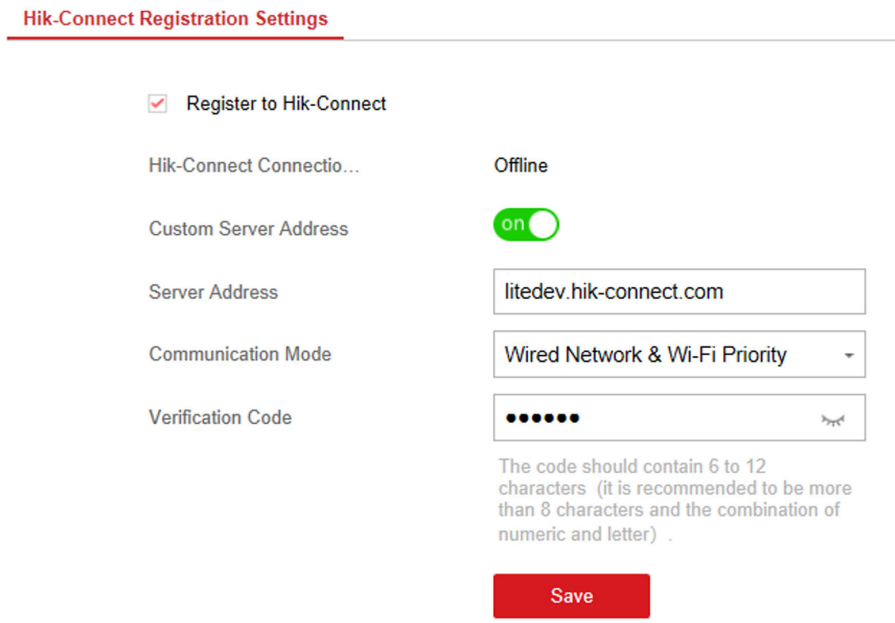


Figure 4-14 Hik-Connect Registration Settings Page

3. Check **Register to Hik-Connect**.

Note

By default, the device Hik-Connect service is enabled.

You can view the device status in the Hik-Connect server (www.hik-connect.com).

4. Enable **Custom Server Address**.

The server address is already displayed in the Server Address text box.

5. Select a communication mode from the drop-down list according to the actual device communication method.

Auto

The system will select the communication mode automatically according to the sequence of, wired network, Wi-Fi network, and cellular data network. Only when the current network is disconnected, will the device connect to other network.

Wired Network & Wi-Fi Priority

The connection priority order from high to low is: wired network, Wi-Fi, cellular data network.

Wired &Wi-Fi

The system will select wired network first. If no wired network detected, it will select Wi-Fi network.

Cellular Data Network

The system will select cellular data network only.

6. **Optional:** Change the authentication password.

Note

- By default, the authentication password is displayed in the text box.
- The authentication password should contain 6 to 12 letters or digits. For security reasons, an 8-character password is suggested, which containing two or more of the following character types: uppercases, lowercases, and digits.

7. Click **Save**.

ISUP

In this section, you can create an ISUP account, and edit the IP address/domain name, port number.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → ISUP Registration** to enter the page.

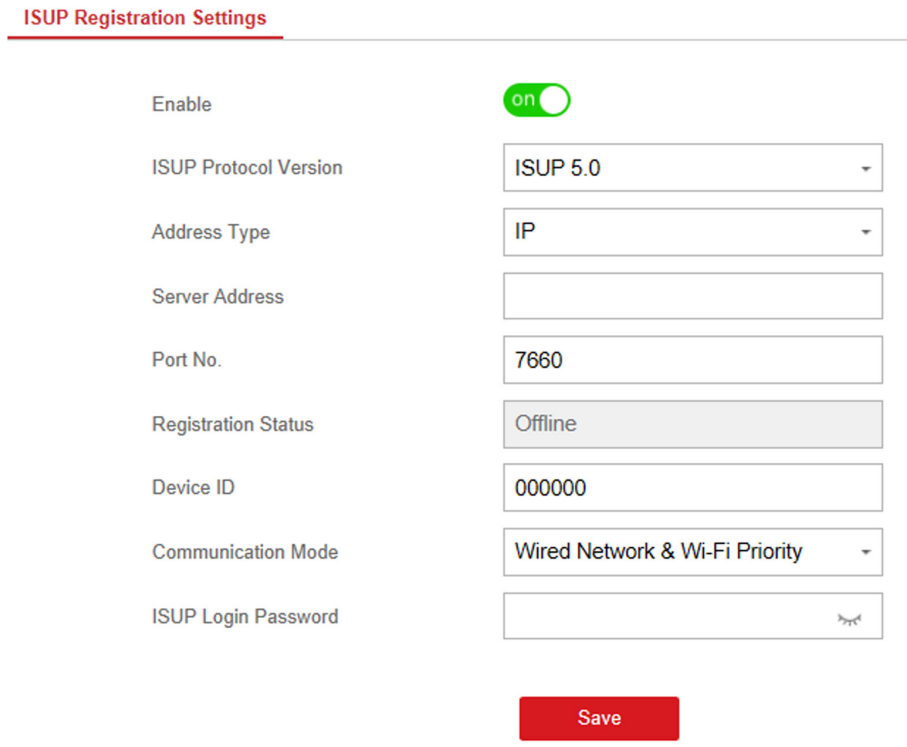


Figure 4-15 ISUP Registration

3. Slide the slider to enable ISUP protocol.
4. Select the **Address Type** as **IP** or **Domain Name**.
5. Enter IP address or domain name according to the address type.

6. Enter the port number for the protocol.

Note

By default, the port number for ISUP is 7660.

7. Set an account, including the **Device ID** and **ISUP Login Password**.
8. Select **Communication Mode**.

Wired Network & Wi-Fi Priority

The connection priority order from high to low is: wired network, Wi-Fi, cellular data network.

Wired &Wi-Fi

The system will select wired network first. If no wired network detected, it will select Wi-Fi network.

Cellular Data Network

The system will select cellular data network only.

9. Click **Save**.

NAT

Universal Plug and Play (UPnP™) is a networking architecture that provides compatibility among networking equipment, software and other hardware devices. The UPnP protocol allows devices to connect seamlessly and to simplify the implementation of networks in the home and corporate environments.

Enable the UPnP function, and you don't need to configure the port mapping for each port, and the device is connected to the Wide Area Network via the router.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → NAT** to enter the page.

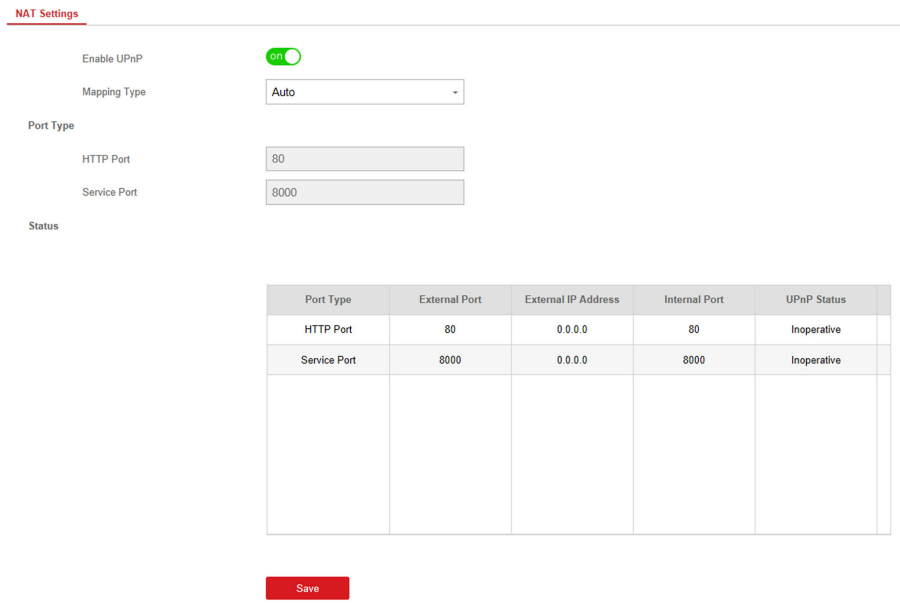


Figure 4-16 NAT Settings

3. Drag the slider to enable UPnP.
4. **Optional:** Select the mapping type as **Manual**
5. Set the HTTP port and the service port.
6. Click **Save** to complete the settings

Set FTP to Save Video

You can configure the FTP server to save alarm video.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → FTP** to enter the page.

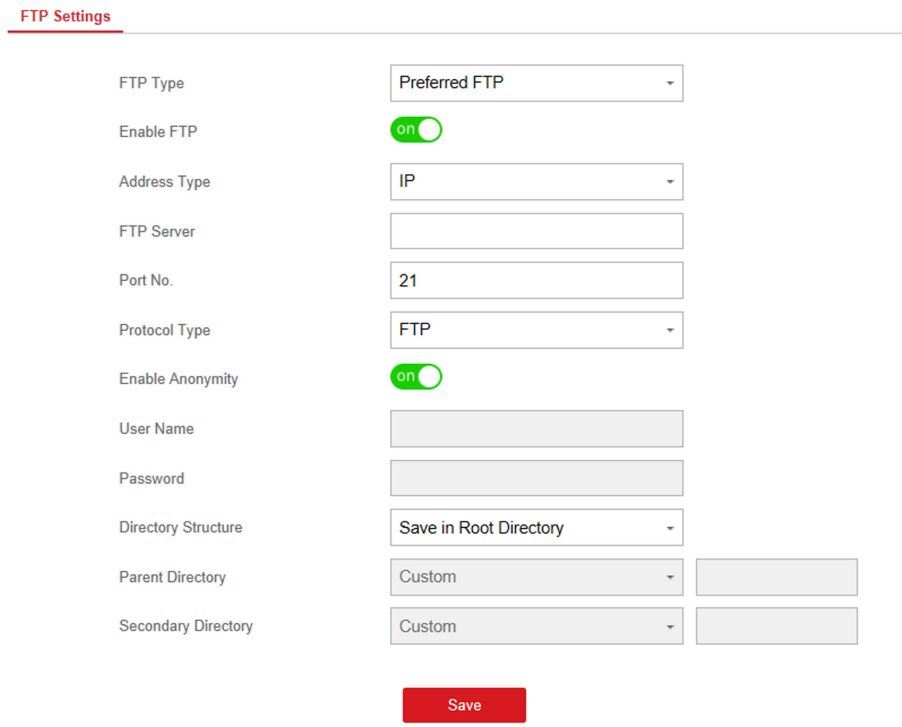


Figure 4-17 FTP Settings

3. Select **FTP Type**.
4. Drag the slider to enable FTP.
5. Select address type as **Domain Name** or **IP**.
6. Enter the domain name or FTP server.
7. Enter port number, user name and password.
8. **Optional:** Drag the slider to enable anonymity.
9. Set **Directory Structure** as the saving path of snapshots in the FTP server.
10. Click **Save**.

4.2.2 Device Management

Zone

You can set the zone parameters on the zone page.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.

Click **Configuration → Device Management → Zone** to enter the Zone page.

Wired Zone Settings

Steps

1. Select a wired zone and click ⚙ to enter the Zone Settings page.

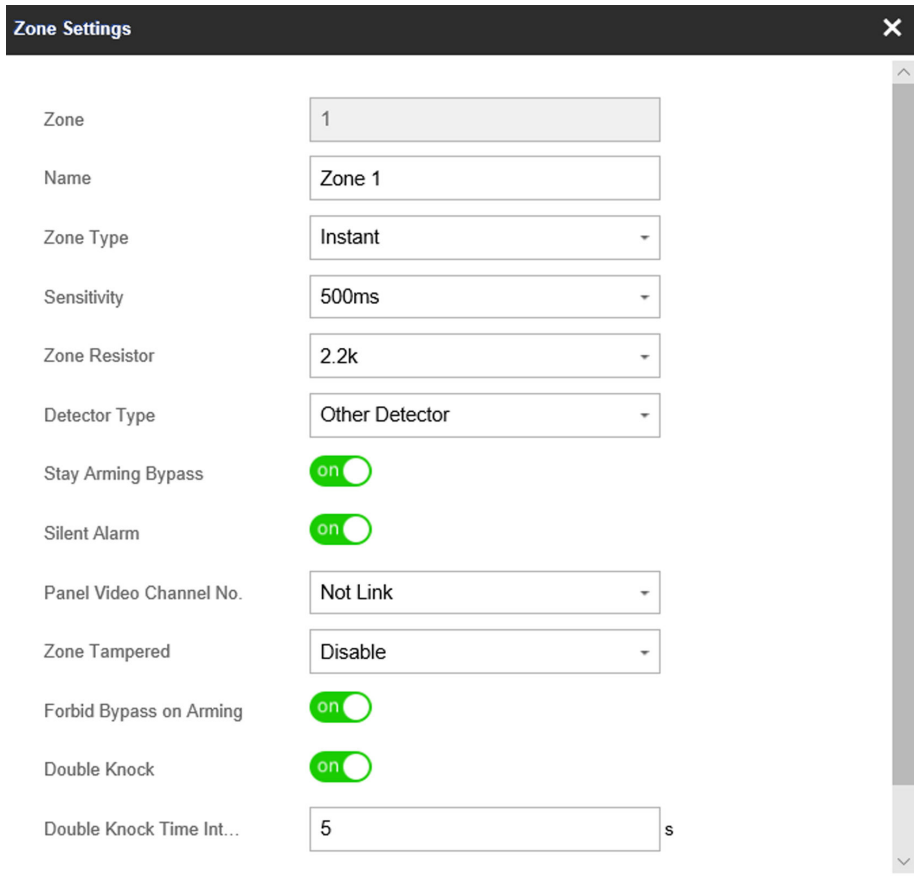


Figure 4-18 Wired Zone Settings

2. Edit the zone name.
3. Select a zone type.

Instant Zone

This Zone type will immediately trigger an alarm event when armed.

Delayed Zone

Exit Delay: Exit Delay provides you time to leave through the defense area without alarm.

Entry Delay: Entry Delay provides you time to enter the defense area to disarm the system without alarm.

The system gives Entry/Exit delay time when it is armed or reentered. It is usually used in entrance/exit route (e.g. front door/main entrance), which is a key route to arm/disarm via operating keyboard for users.

Note

You can set 2 different time durations in **Area Management → Schedule & Timer** .

Follow Zone

The zone acts as delayed zone when it detects triggering event during system Entry Delay, while it acts as instant zone otherwise.

Perimeter Zone

The system will immediately alarm when it detects a triggering event after the system is armed. There is a configurable interval timer between the alarm activation and sounder output "Sounder Delay Time (Perimeter Alarm) 0 to 600 Seconds". This option allows you to check the alarm and cancel the sounder output during the interval time in case of false alarm.

When the zone is armed, you can set the peripheral alarm delayed time in **Area Management → Schedule & Timer** . You can also mute the sounder in the delayed time.

Silent Panic Zone

This zone type is active 24hrs, it is used for Panic or HUD (Hold Up Devices) not smoke sensors or break glass detectors.

Panic Zone

The zone activates all the time. It is usually used in the sites equipped with panic button, smoke detector and glass-break detector.

Fire Zone

The zone activates all the time with sound or sounder output when alarm occurs. It is usually used in fire hazardous areas equipped with smoke detectors and temperature sensors.

Gas Zone

The zone activates all the time with sound or sounder output when alarm occurs. It is usually used in areas equipped with gas detectors (e.g., the kitchen).

Medical Zone

The zone activates all the time with beep confirmation when alarm occurs. It is usually used in places equipped with medical emergency buttons.

Timeout Zone

The zone activates all the time. The zone type is used to monitor and report the "ACTIVE" status of a zone, but it will only report and alarm this status after the programmed time has expired. (1 to 599) Seconds. It can be used in places equipped with magnetic contacts that require access but for only a short period (e.g., fire hydrant box's door or another external security box door)

Disabled Zone

Alarms will not be activated when the zone is triggered or tampered. It is usually used to disable faulty detectors.

Key Zone

- **By Zone Status → Trigger Arming**: The linked area will away arm after detectors being triggered, and disarm after being restored. Reports will be upload.
- **By Zone Status → Trigger Disarming**: The linked area will disarm after detectors being triggered, and away arm after being restored. Reports will be upload.
- **By Trigger Time**: When the key zone is triggered, if the device has been armed, the linked area will be disarmed; if the device has been disarmed, the linked area will be armed. Reports will be upload.
- In the case of the tampering alarm, the arming and disarming operation will not be triggered.

4. Set the zone sensitivity and zone resistor.

Note

The resistor wired on the on-board zone should be the same as the resistor configured on this page.

5. Select a detector type.
6. Enable **Stay Arming Bypass**, **Silent Alarm**, **Dual-Zone Settings**, **Forbid Bypass on Arming** and **Double knock**according to your actual needs.

Note

Some zones do not support the function. Refer to the actual zone to set the function.

Dual-Zone

After enable the **Dual-Zone Settings**, one zone can be expanded to two zones.

Forbid Bypass on Arming

After enabled, you can not bypass zones when arming.

Double knock

After enabled, the time interval can be set. If the same detector is triggered twice or continuously in a period of time, the alarm will be triggered.

7. Select the panel video channel No. and zone tampering wiring mode.
8. Click **OK**.

Note

After setting the zone, you can enter **Device Status → Zone** to view the zone status.

Wireless Zone Settings

Steps

1. Select a wireless zone and click ⚙ to enter the Zone Settings page.

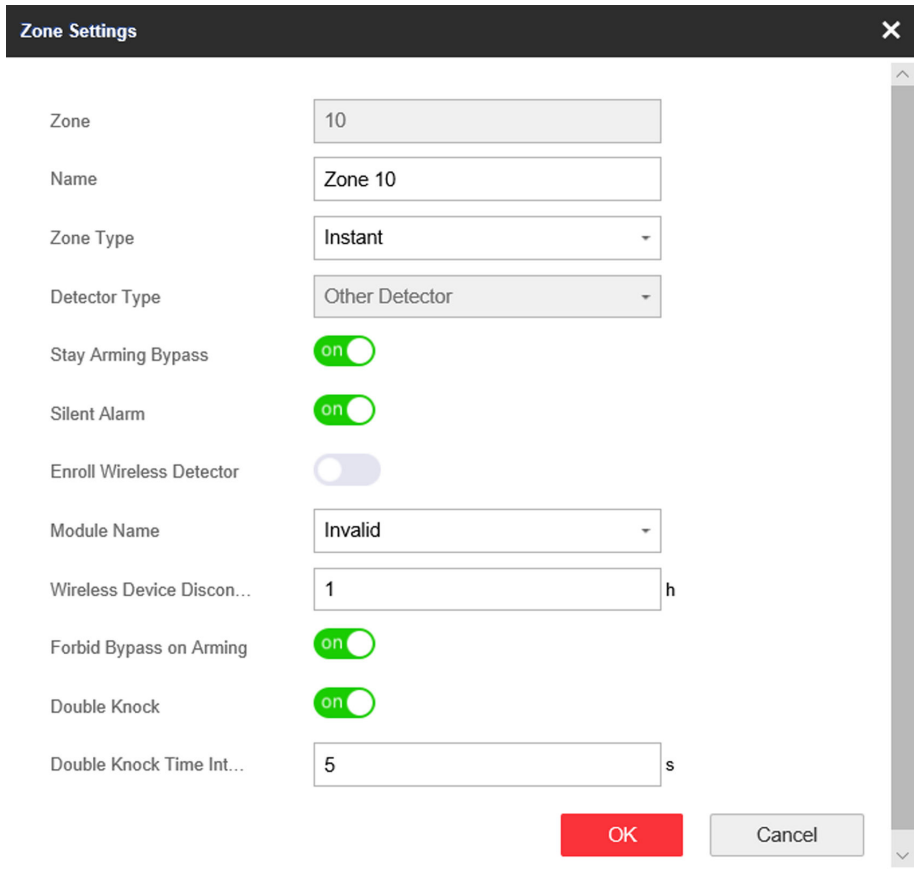


Figure 4-19 Wireless Zone Settings

2. Edit the zone name.
3. Select a zone type. For details, see *Wired Zone Settings*.
4. Enable **Stay Arming Bypass**, **Silent Alarm** and **Enroll Wireless Detector** according to your needs.
5. Enter the serial No. to enroll the detector.
6. Select the module name.
7. Enter the wireless device disconnection duration.
8.
9. Enable **Forbid Bypass on Arming** and **Double Knock**according to your needs.

   Forbid Bypass on Arming

   After enabled, you can not bypass zones when arming.

   Double knock

   After enabled, the time interval can be set. If the same detector is triggered twice or continuously in a period of time, the alarm will be triggered.
10. Click **OK**.

Note

After setting the zone, you can enter **Device Status → Zone** to view the zone status.

What to do next

Click **Zone → Zone Module** , you can see the zone module information including module status, module addresss, module channel No., and module type.

Sounder

The sounder is enrolled to the control panel via the wireless receiver module, and the 868 Mhz wireless sounder can be enrolled to the hybrid control panel via the wireless receiver that is at the address of 9.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Device Management → Sounder** to enter the Sounder page.
3. Click to enter the Sounder Settings page.

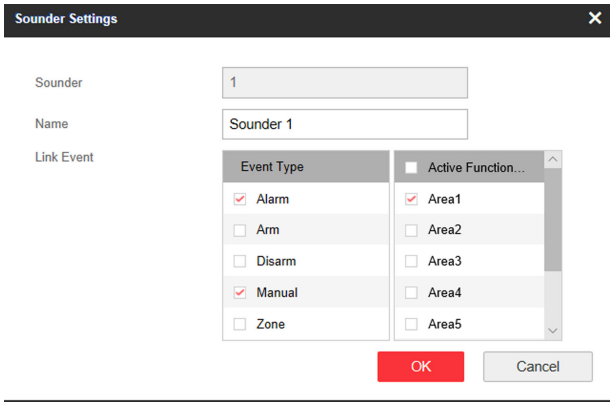


Figure 4-20 Wired Sounder Settings

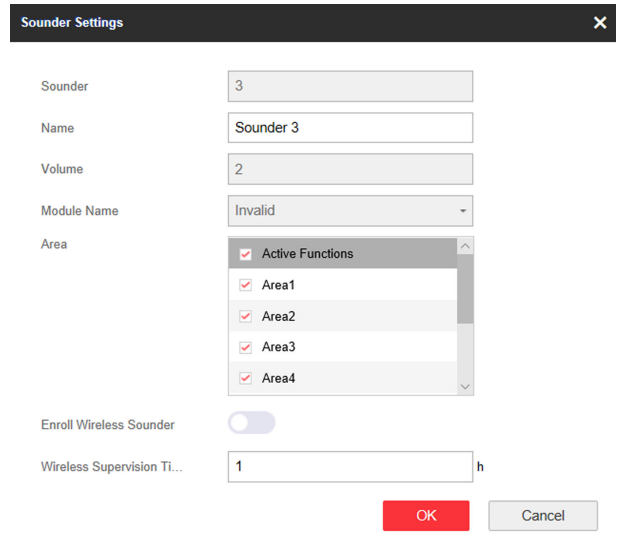


Figure 4-21 Wireless Sounder Settings

4. Set the sounder name, the volume and module name.

Note

The available sounder volume range is from 0 to 3 (function varies according to the model of device).

5. Check linked areas.
6. **Optional:** Enable **Enroll Wireless Sounder** and set the sounder serial No.

Note

The sounder in 868 MHZ may not support this function.

7. Set the **Wireless Supervision Time**, and the system determines connection fault if the disconnected duration of the device is longer than the configured value.
8. Click **OK**.

Note

After the sounder is configured, you can click **Device Status → Sounder** to view the sounder status.

Output

If you want to the link the device with a relay output to output the alarm, set the output parameters.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Device Management → Relay** to enter the Output page.
3. Click and the Output Settings window will pop up.

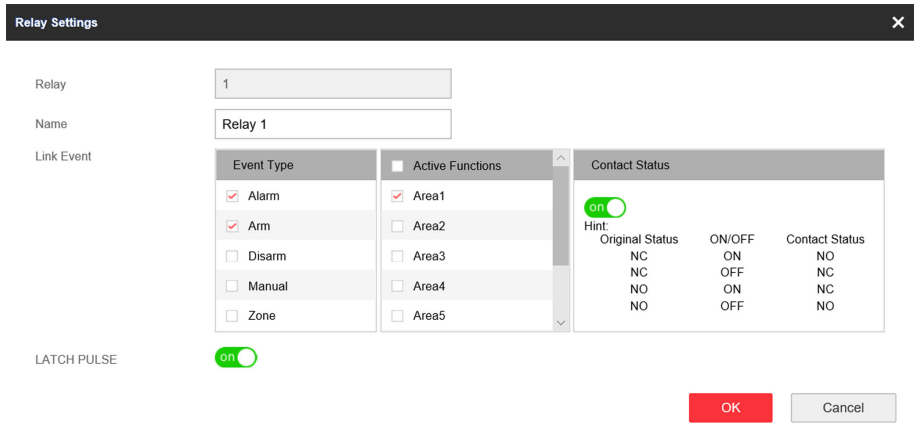


Figure 4-22 Output Settings

4. Edit the relay name and select a link event.
5. Enable **LATCH PULSE** or set the output delay time.

Note

If the relay has linked to the wireless output module, the wireless output module information will be displayed in the Enroll Wireless Output Module area.

6. Check **Event Type** .
7. Check areas linked to the relay. (**Zone** and **Manual** event do not have this parameter.)
8. Select to enable **Contact Status** or not. (Only for **Arm** and **Disarm**.

ON

When the area arm/disarm, the relay will be opened.

OFF

When the area arm/disarm, the relay will be closed.

9. Click **OK**.

Note

After the relay is configured, you can click **Device Status → Relay** to view the output status.

Keypad

The keypad is connected to the control panel via RS-485 wiring. You can refer to Hybrid Control Panel Quick Start Guide for wiring details.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Control Device → Keypad** to enter the page.
3. Click to enter the Keypad Settings page.

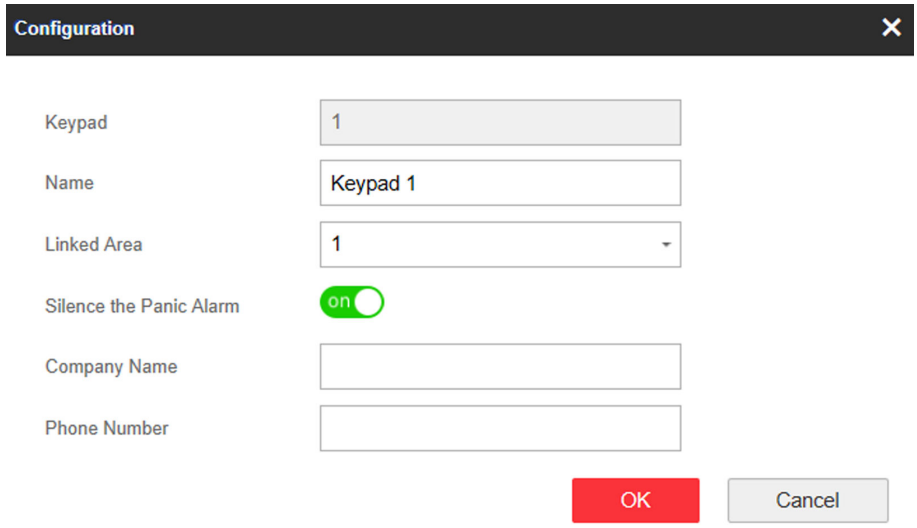


Figure 4-23 Edit Keypad

4. Set the keypad name.
5. Select the keypad linked area.
6. Enable **Silence the Panic Alarm** according to your needs.

Silence the Panic Alarm

When enabled, the panic alarm of the wireless keypad will have no linkage prompt.

7. Enter company name and phone number.

Note

After configurated, you can check the company name and phone number on the keypad LCD screen.

8. Click **OK**.

Module

The wired module is connected to the control panel via RS-485 wiring. You can refer to the Hybrid Control Panel Quick Start Guide for details.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Device Management → Module Information** to enter the page.
3. Select the **Module Type**.
4. Click to enter the module settings page.
5. Set the module name.
6. Click **OK**.
7. **Optional:** Click to delete the module.

4.2.3 Area Settings

Basic Settings

You can link zones to the selected area.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Area Management → Basic Settings** to enter the page.

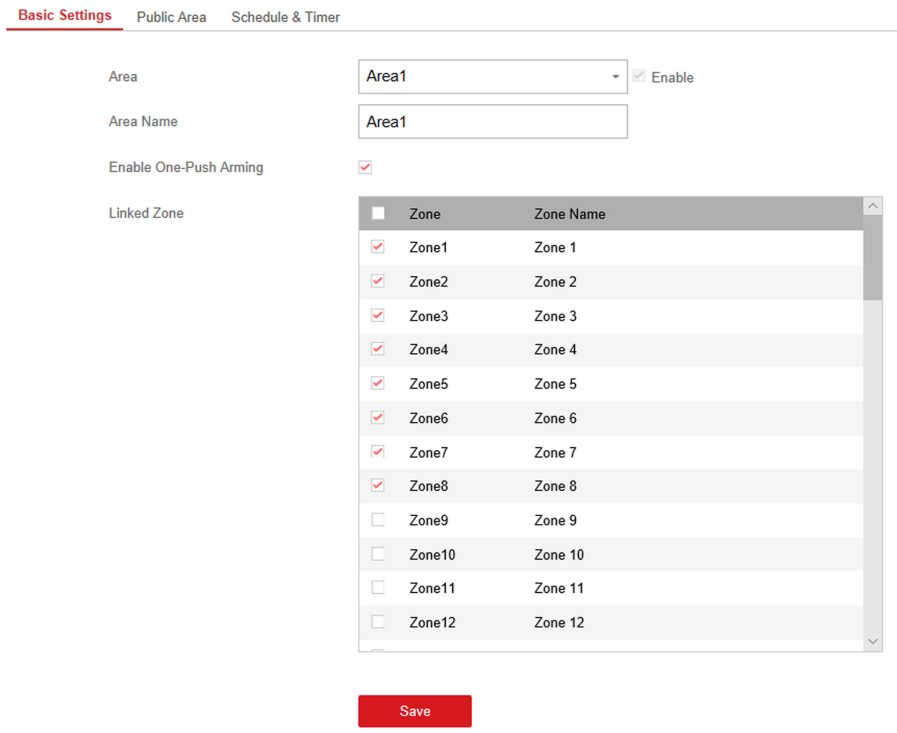


Figure 4-24 Area Basic Information Management Page

3. Select an area.
4. Check the **Enable One-Push Arming** to enable the One-Push Arming key on the keypad.
5. Check the check box in front of the zone to select zones for the area.
6. Click **Save** to complete the settings.

Public Area Settings

Definition Public area is considered a special one which can be shared to other areas. It is usually applied to manage or control the public area related with other areas controlled by other areas in one building.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Area Management → Public Area** to enter the page.

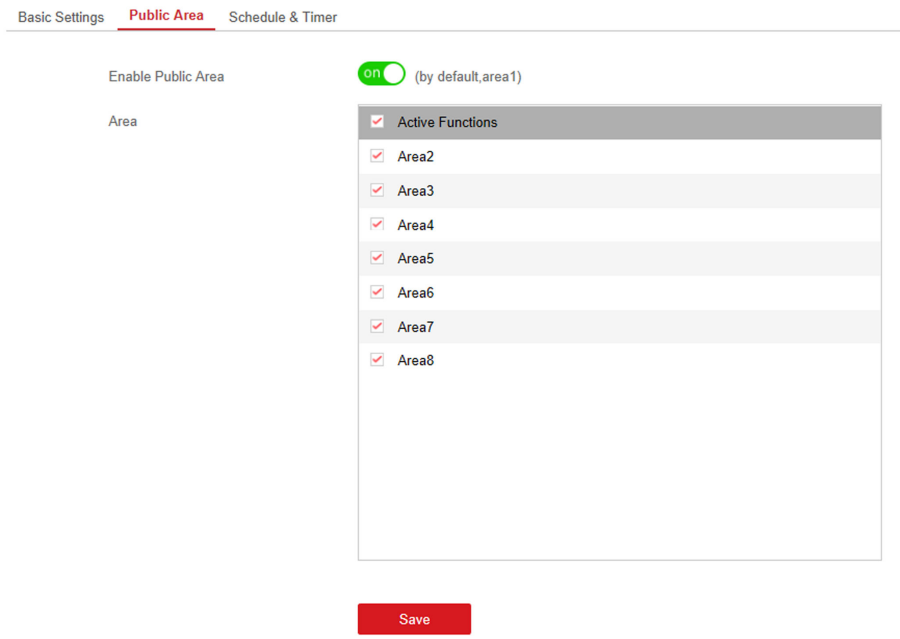


Figure 4-25 Public Area Settings

3. Check the checkbox to enable the public area function.

Note

the default public area is area 1

4. Select area(s) to link to the public area in the list.

Note

It is required to select at least an area to link to the public paritition.

5. Click **Save** to set the area as public area.

Schedule and Timer Settings

You can set the **Entry Delay 1** & **Entry Delay 2** time duration for the delayed zone type and the Exit Delay delayed time to exit the zone. You can also set the alarm schedule. The zone will be armed/ disarmed according to the configured time schedule.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Area Management → Schedule & Timer** to enter the Schedule & Timer page.

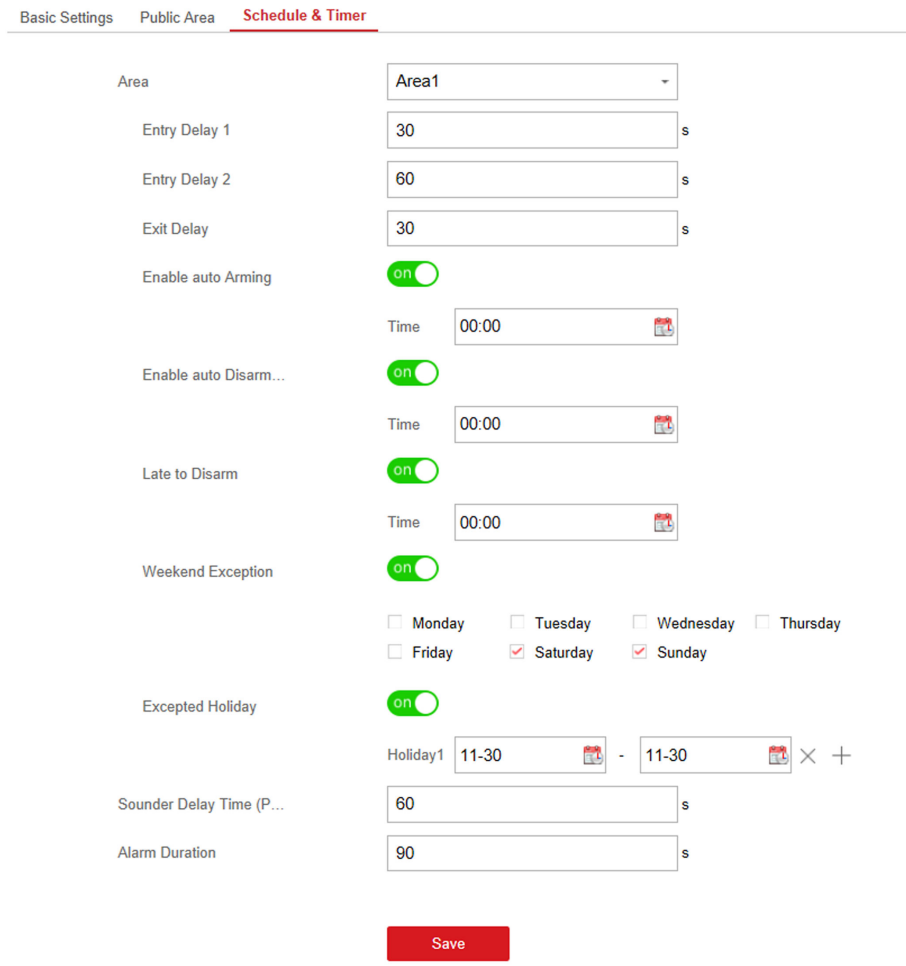


Figure 4-26 Schedule & Timer Settings

3. Select an area.
4. Set time duration of **Entry Delay 1**, **Entry Delay 2**, or **Exit Delay** respectively.

   Entry Delay 1/Entry Delay 2

   If you have set the entry delayed zone, you can set the delayed time duration here.

   Note

   The available time duration range is from 1 s to 600 s.

   Exit Delay

   If you want to exit the zone without triggering the alarm, you can set the exit delay duration.

   Note

   The available time duration range is from 1 s to 600 s.

5. **Optional:** Set the following parameters according to actual needs.

   Enable Auto Arming

Enable the function and set the arming start time. The zone will be armed according to the configured time.

Note

- The auto arming time and the auto disarming time cannot be the same.
- The buzzer beeps slowly 2 minutes before the auto arming starts, and beeps rapidly 1 minute before the auto arming starts.
- You can select to enable forced arming on the System Options page. While the function is enabled, the system will be armed regardless of the fault.
- If the public area is enabled, the area 1 dose not support auto arming.

Enable Auto Disarming

Enable the function and set the disarming start time. The zone will be disarmed according to the configured time.

Note

- The auto arming time and the auto disarming time cannot be the same.
- If the public area is enabled, the area 1 dose not support auto disarming.

Late to Disarm

Enable the function and set the time. If the alarm is triggered after the configured time, the person will be considered as late.

Note

You should enable the Panel Management Notification function in **Communication Parameters → Event Communication** before enabling the Late to Disarm function.

Weekend Exception

Enable the function and the zone will not be armed in the weekend.

Excepted Holiday

Enable the function and the zone will not be armed/disarmed in the holiday. You should set the holiday schedule after enabling.

Note

Up to 6 holiday groups can be set.

Sounder Delay Time (Perimeter Alarm)

If you have set the perimeter zone, you can set the delayed time for the zone.

Note

The available time duration range is from 0 s to 600 s.

Alarm Duration

If you have set the perimeter zone, you can set the time duration of the alarm.

Note

The available time duration range is from 1 s to 900 s.

6. Click **Save**.

4.2.4 Video Management

You can add network cameras (2 to 4, depending on models), NVR and thermal cameras to the control panel, and link the camera with the selected zone for video monitoring. You can also receive and view the event video via client and Email.

Add Channels to the Security Control Panel

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Device Management → Channel** to enter the page.

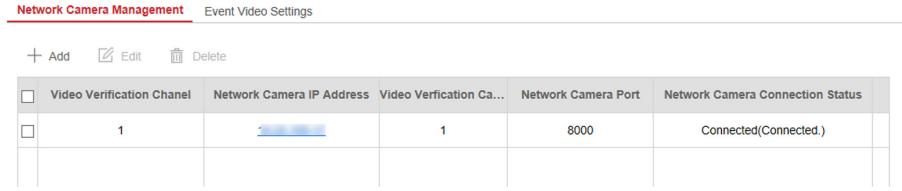


Figure 4-27 Channel Management

3. Click **Add**, and enter the basic information of the camera, such as IP address and port No., and select the protocol type.
4. Enter the user name and password of the device.
5. Click **OK**.

Note

- You can add 2 to 4 network cameras (depending on models).
- You can add NVR.
- You can add thermal cameras. After the relevant functions are configured, when the temperature is abnormal, the system will upload the alarm.

6. **Optional:** Click **Edit** or **Delete**to edit or delete the selected device.
7. Click **Event Video Settings** to set parameters.

Stream Type

The sub-stream can reduce the use of network bandwidth.

Bitrate Type

Constant bitrate or variable bitrate can be selected. For constant bitrate, you need to set a fixed bitrate. For Variable bitrate, a bitrate upper limit is required.

Resolution

Select the resolution according to your needs. The higher the resolution, the higher the requirement of network bandwidth.

Length of Cached Video

You can set the length of video cache before and after the alarm.

Link a Camera with the Zone

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Device Management → Zone** to enter the configuration page.
3. Select a zone that you wish to include video monitoring, and click the icon.
4. Select the **Panel Video Channel No.**.
5. Click **OK**.

Set Email to Receive Alarm Video

You can send the alarm video or event to the configured email.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Communication Parameters → Video Verification Events** to enter the page.

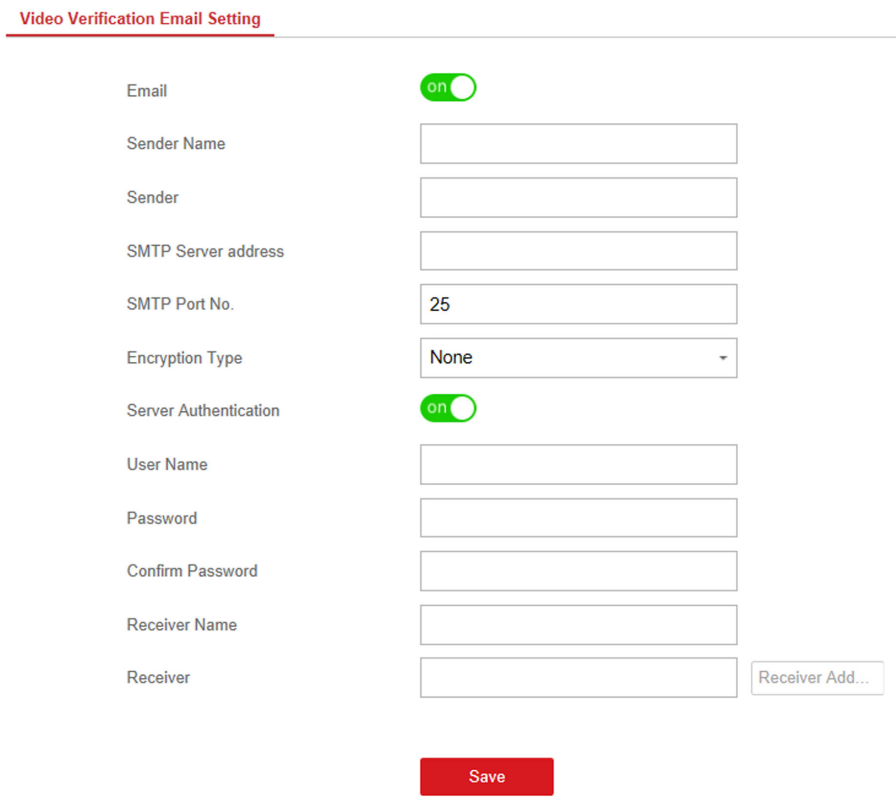


Figure 4-28 Set Email to Receive Alarm Video

3. Click the block to enable the function.
4. Enter the sender's information.

Note

It is recommended to use Gmail and Hotmail for sending mails.

5. Enter the receiver's information.
6. Click **Receiver Address Test** and make sure the address is correct.
7. Click **Save**.

Set Video Parameters

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Video & Audio → Event Video Parameters** to enter the page.

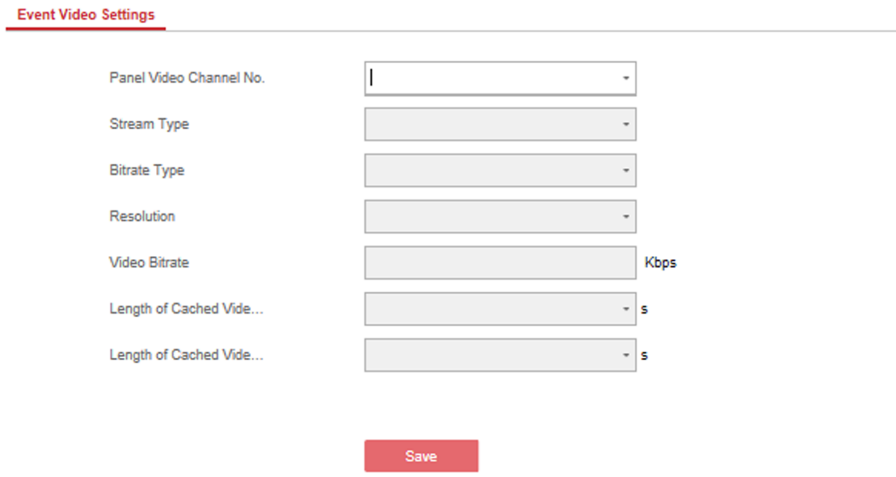


Figure 4-29 Video Settings

3. Select a camera and set the video parameters.

Stream Type

Main Stream: Being used in recording and HD preview, it has a high resolution, code rate and picture quality.

Sub-Stream: It is used to transmit network and preview pictures as a video streaming with features of lower resolution, bit rate and picture quality.

Bitrate Type

Select the Bitrate type as constant or variable.

Resolution

Select the resolution of the video output.

Video Bitrate

The higher value corresponds to the higher video quality, but the better bandwidth is required.

4.2.5 Permission Management

Add/Edit/Delete User

Administrator can add user to the security control panel, edit the user information, or delete the user from the security control panel. You can also assign different permissions to the new user.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → User Management → User** to enter the User Management page.
3. To compliant the EN requirement, slide the block to enable the installer and maintenance .

Note

- The default user name of admin account is **admin**. The password is the activation password.
- The default password of the **installer** is **installer12345**, and the default password of the **maintenance** (for Italian, the user name is **costruttore**) is **hik12345**. These password will have to be changed when first connected.
- The Italian user name of admin is **admin**.

Table 4-1 User Name of Installer

Language	User Name	Language	User Name
English	installer	Russian	монтажник
Italian	installatore	French	installateur
Polish	instalator	Spanish	instalador
German	errichter	Portuguese	instalador
Turkish	kurulumcu	Czech	technik

4. Click **Add**.
5. Set the new user's information in the pop-up window, including the user type, the user name, and the password.

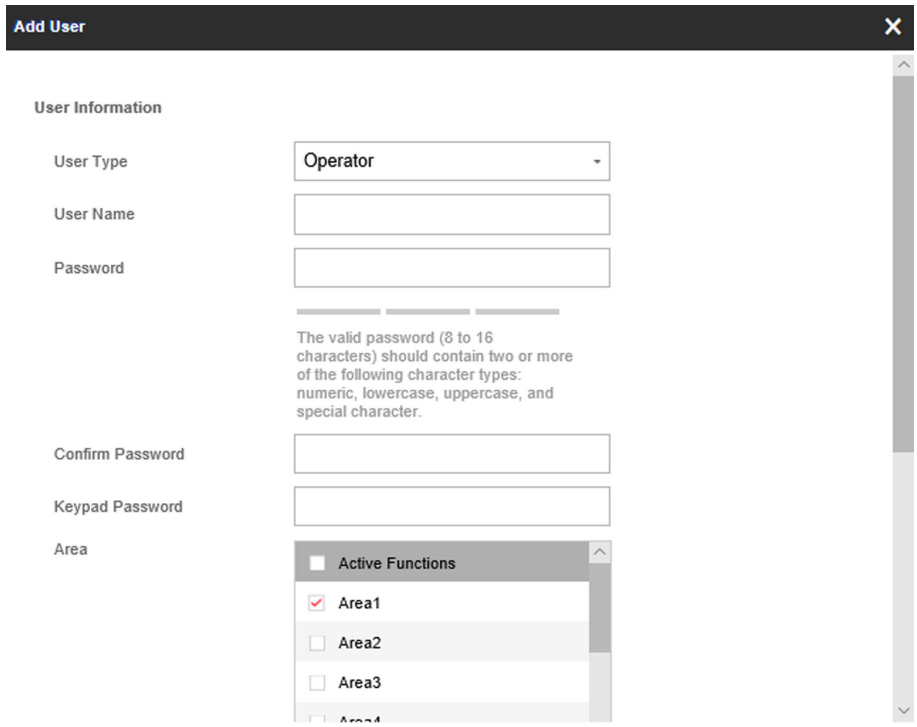


Figure 4-30 Add User Page

6. Set the keypad password (numeric, 8~16 characters).

Note

- The keypad password +1 or -1 is the duress code. Use the duress code can operate the keyboard to arm and disarm normally and upload a duress alarm. For example, if the keypad password is 123456, the duress code is 123455 or 123457
- The password cannot contain the user name or the user name in reverse order.

Caution

The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

7. Check areas.
8. Check the check boxes to set the user permission.

   The user can only operate the assigned permissions.
9. Click **OK**.

10. **Optional:** Enable the user in the Enable User column to allow the enabled user operating the device.
11. **Optional:** Select an user and click **Edit** and you can edit the user's information and permission.
12. **Optional:** Delete a single user or check multiple users and click **Delete** to delete users in batch.

Note

The admin, the installer and the maintenance cannot be deleted.

Add/Edit/Delete Keyfob

You can add keyfob to the security control panel and you can control the security control panel via the keyfob. You can also edit the keyfob information or delete the keyfob from the security control panel.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → User Management → Keyfob** to enter the Keyfob Management page.

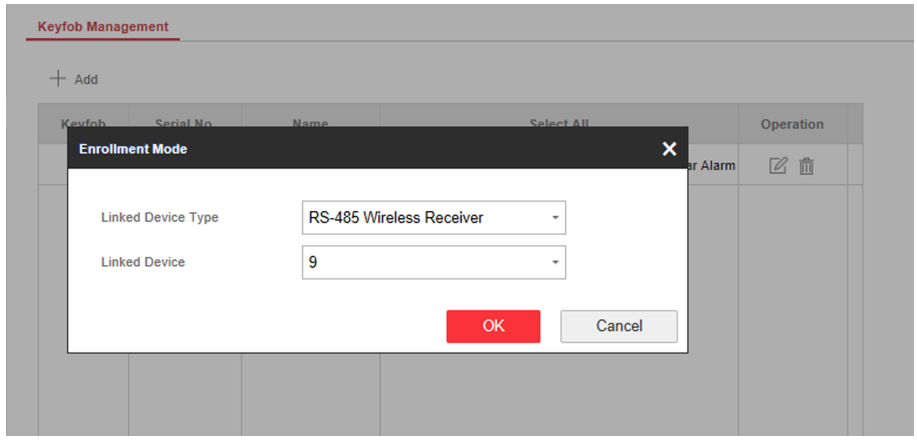


Figure 4-31 Keyfob Management

3. Click **Add** and press any key on the keyfob.
4. Set the keyfob linked device type and linked device No..
5. Click **OK**.
6. **Optional:** Click to edit the keyfob information.

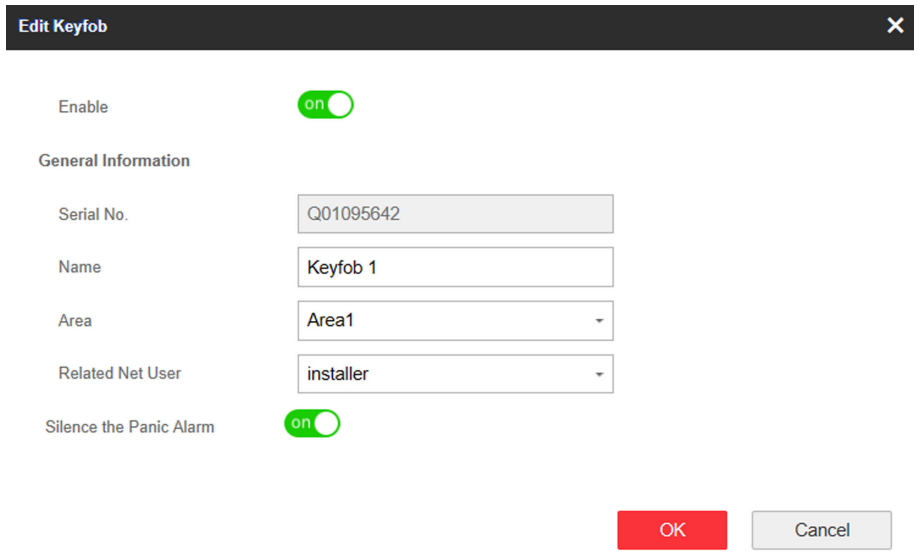


Figure 4-32 Edit Keyfob

7. Set the keyfob name.
8. Select the keyfob linked area and related net user.
9. Enable **Silence the Panic Alarm** according to your needs.

   Silence the Panic Alarm

   When enabled, the panic alarm of the wireless keypad will have no linkage prompt.
10. **Optional:** Click to delete the keyfob.

Add/Edit/Delete Tag (Card)

You can add tag to the security control panel and you can use the tag(card) to arm/disarm the zone. You can also edit the tag information or delete the tag from the security control panel.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → User Management → Tag** to enter the management page.
3. Click **Add** to enter the adding page.
4. Select the linked keypad.
5. Click **OK** and the card(tag) information will be displayed in the list.

Note

The card supports at least 20-thousand serial numbers.

6. **Optional:** Click and you can change the card(tag) settings, including tage(card) type, related net user, linked area, etc.
7. **Optional:** Click to delete the card(tag).

4.2.6 Maintenance

Test

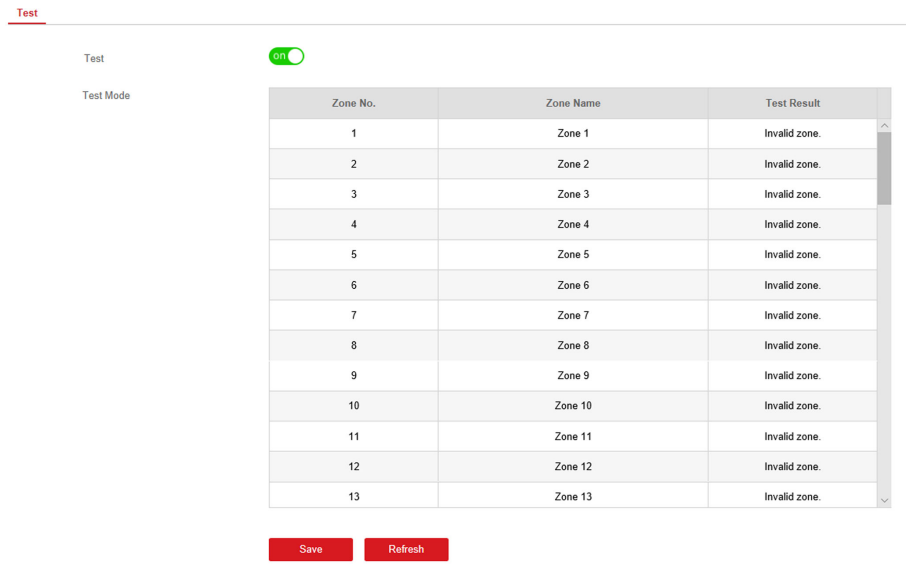
The security control panel supports walk test function.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Enter **Configuration → Maintenance → Test →** to enable the function.

Note

Only when all the detectors are without fault, you can enter the mode TEST mode.



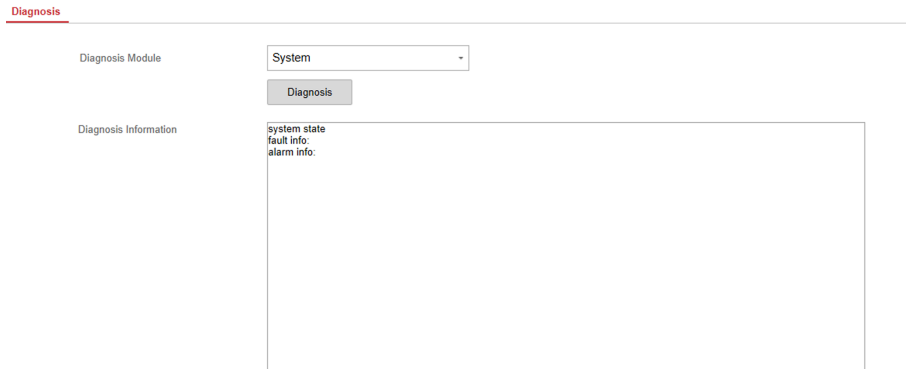
3. Check the **Test** check box to start walk test.
4. Click **Save** to complete the settings.
5. Trigger the detector in each zone.
6. Check the test result.

Diagnosis

The control panel supports diagnosis of system, alarm, wireless device, Wi-Fi, and cloud platform

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Enter **Configuration → Maintenance → Diagnosis** .



3. Select system, alarm, device, Wi-Fi, cloud platform, cellular data network, network camera and alarm receiving center as the diagnosis module.
4. Click **Diagnosis** to start the operation.
5. View the diagnosis result in the information box.

Export File

You can export debugging file to the PC.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → Maintenance → Export File** to enter the page.

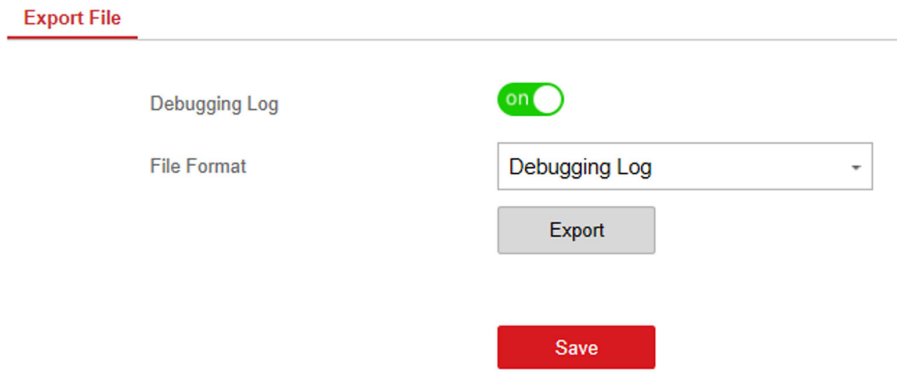


Figure 4-33 Export File Page

3. Enable **Debugging Log**.
4. Click **Export** to save the debugging file in the PC.

4.2.7 System Settings

Device infomration

You can change name and lanuage of device.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in. Click **Configuration → System → Device Information** to enter the page.

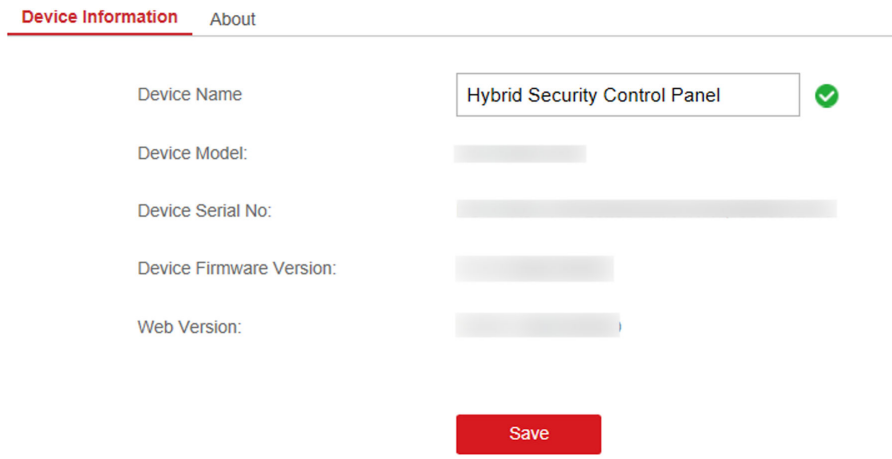


Figure 4-34 Device Information

You can view device model, device serial No., device firmware version, web version or click **About → View Licenses** to view the source software licenses.

Authority Management

Set the authority options.

System Options Management

Click **Configuration → System → System Options → System Options Management** to enter the page.

Forced Arming

If the option is enabled and there are active faults in a zone, the zone will be bypassed automatically.

Note

- If Enable Arming is enabled, Forced Arming is only effective for Auto Arming.
- If there is a fault in the zone and the forbidden bypass when arming is opened, the arming will fail.

System Faults

If the option is enabled, the device will upload the system fault report automatically.

One-Push Lock

If the option is enabled, the installer can lock other users.

Audible Tamper Alarm

If the option is enabled, the tamper alarm will link sounders and the control panel. If disabled, the log will be uploaded when the tamper alarm is triggered, but the sound alarm will not be triggered.

Authority Advanced Settings

Set advanced authority parameters.

Click **Configuration → System → System Options → Advanced Settings** to enter the Advanced Settings page.

You can set the following parameters:

Enable Arming

When you enable the function, during the device arming procedure, the system will check the configured fault checklist. When there is fault occurred during the arming procedure, the procedure will be stopped.

Note

PKG keypad and the keyfob do not support this function. If this function is enabled, the arming will fail if there is a fault. It is necessary to eliminate the fault or close the Enable Arming.

Fault Checklist

The system will check if the device has the faults in the checklist during the arming procedure.

Enable Arming with Fault

Check the faults in the Enable Arming with Fault list, and the device will not stop the arming procedure when faults occurred.

Arming Indicator Keeps Light

If the device applies EN standard, by default, the function is disabled. In this case, if the device is armed, the indicator will be solid blue for 5 s. And if the device is disarmed, the indicator will flash 5 times.

When the function is enabled, if the device is armed, the indicator will be on all the time. And if the device is disarmed, the indicator will be off.

Note

Only -P model supports this function.

Prompt Fault When Arming

If the device applies EN standard, by default, the function is disabled. In this case, the device will not prompt faults during the arming procedure.

Note

Only -P model supports this function.

Enable Early Alarm

If you enable the function, when the zone is armed and the zone is triggered, the alarm will be triggered after the delay time.

Note

The early alarm will be taken effect only after the delayed zone is triggered.

Delay

When the early alarm function is enabled, you should set the delay time. The alarm will be triggered after the configured delay time.

Fault Check

The system determines whether to check the faults listed on the page. The system will only check the fault that is selected.

Click **Configuration → System → System Options → Fault Check** to enter the Advanced Settings page.

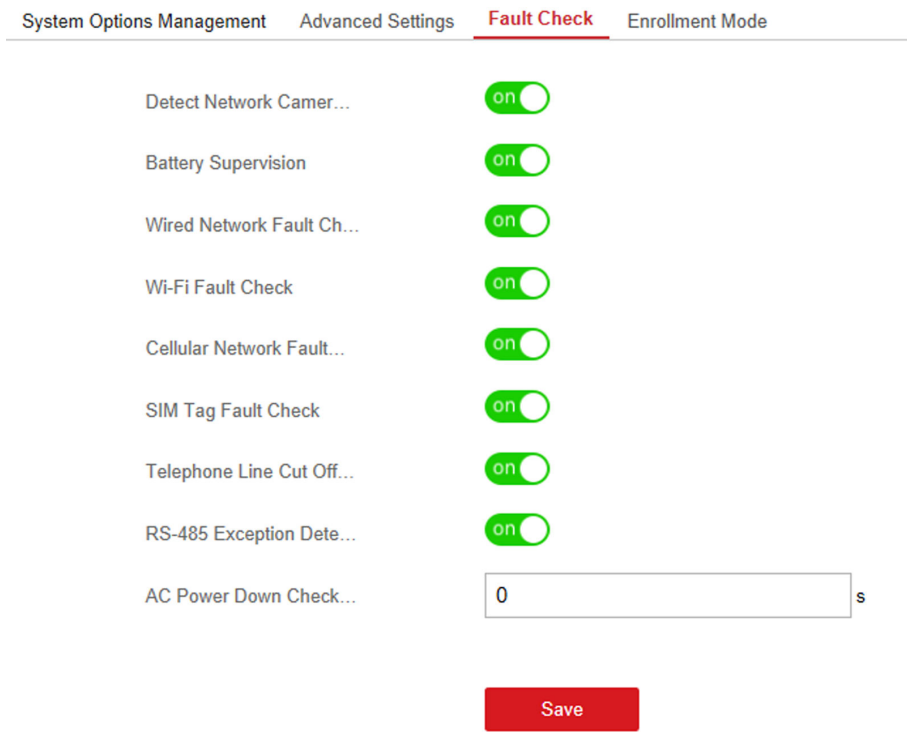


Figure 4-35 Fault Check Settings

Detect Network Camera Disconnection

If the option is enabled, when the linked network camera is disconnected, an system status event notification will be uploaded.

Battery Supervision

If the option is enabled, when battery is disconnected or out of charge, the device will not upload events.

Wired Network Fault Check

If the option is enabled, when the wired network is disconnected or with other faults, an system status event notification will be uploaded.

Wi-Fi Fault Check

If the option is enabled, when the Wi-Fi is disconnected or with other faults, an system status event notification will be uploaded.

Cellular Network Fault Check

If the option is enabled, when the cellular data network is disconnected or with other faults, an system status event notification will be uploaded.

SIM Tag Fault Check

If the option is enabled, an system status event notification will be uploaded for faults of the SIM card.

Telephone Line Cut Off Detection

If the option is enabled, an system status event notification will be uploaded when telehphone is disconnected.

RS-485 Exception Detection

If the option is enabled, an system status event notification will be uploaded when the RS-485 bus of device has exception.

AC Power Down Check Time

The system checks the fault after the configured time duration after AC power down.

To compliant the EN 50131-3, the check time duration should be 10 s.

Enrollment Method

Steps

1. Click **Configuration → System → System Options → Adding Through** to enter the enrollment method page.

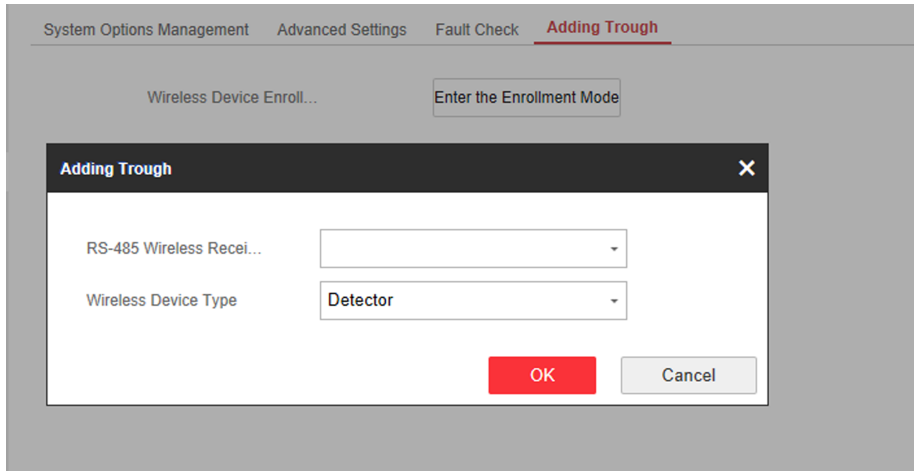


Figure 4-36 Enrollment Method

2. Click **Enter the Enrollment Mode**.
3. In the pop-up window, Select a RS-485 wireless receiver.
4. Select the wireless device type.
5. Click OK to finish the enrollment settings.

Time Settings

You can set the device time zone, synchronize device time, and set the DST time. The device supports time synchronization via **Hik-Connect** server.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.

Time Management

Click **Configuration → System → Date and Time** to enter the Time Management page.

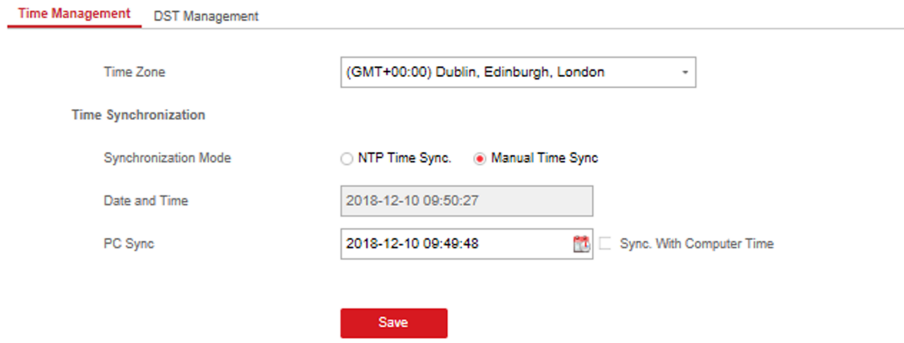


Figure 4-37 Time Management

You can select a time zone from the drop-down list.
You can synchronize the device time manually. Or check **Sync. with Computer Time** to synchronize the device time with the computer time.

Note

While you synchronize the time manually or with the computer time, the system records the log "SDK Synchronization".

DST Management

Click **Configuration → System → Date and Time → DST Management** to enter the Time Management page.
You can enable the DST and set the DST bias, DST start time, and DST end time.

Security Settings

SSH Settings

Enable or disable SSH (Secure Shell) according to your actual needs.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.

Click **Configuration → System → Security → SSH Settings** to enter the SSH Settings page and you can enable or disable the SSH function.

Locking User Settings

Set user locking. You can view the locked user or unlock a user and set the user locked duration.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → System → Security → Locking User Settings** to enter the Locking User Settings page.
3. Set the following parameters.

   Max. Failure Attempts

   If the user continuously input the incorrect password for more than the configured times, the account will be locked.

   Note

   The administrator has two more attempts than the configured value.

   Locked Duration

   Set the locking duration when the account is locked.

   Note

   The available locking duration is 5s to 1800s.

4. Click to unlock the account or click **Unlock All** to unlock all locked users in the list.
5. Click **Save**.

Module Lock Settings

Set the module locking parameters, including the Max Failure Attempts, and locked duration. The module will be locked for the programmed time duration, once the module authentication has failed for the amount of configured times.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → System → Security → Module Lock Settings** to enter the Module Lock Settings page.
3. Select a module from the list, and click the icon.
4. Set the following parameters of the selected module.

   Max. Failure Attempts

   If a user continuously tries to authentication a password for more than the configured attempts permitted, the keypad will be locked for the programmed duration.

   Locked Duration

Set the locking duration when the keypad is locked. After the configured duration, the keypad will be unlocked.

5. Click **OK**.
6. **Optional:** Click the icon to unlock the locked module.

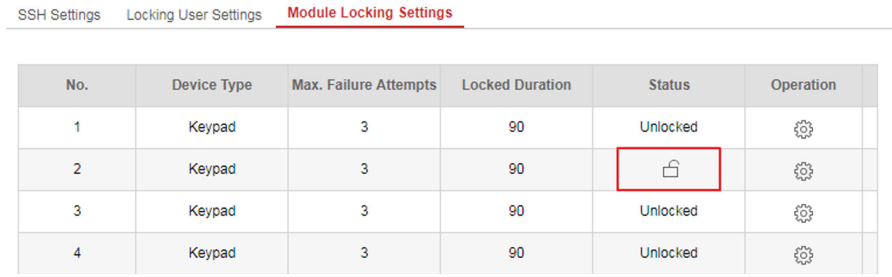


Figure 4-38 Module Lock Settings

Maintenance

You can reboot the device, restore default settings, import/export configuration file, upgrade the device remotely or search logs.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.

System Maintenance

Click **Configuration → System → System Maintenance** to enter the Upgrade and Maintenance page.

Reboot

Click **Reboot** to reboot the device.

Restore Default Settings

Click **Partly Restore** to restore all parameters except for admin user information, wired network, Wi-Fi network, detector information, and peripheral information to default ones.

Click **Restore All** to restore all parameters to the factory settings.

Import Configuration File

Click **View** to select configuration file from the PC and click **Import Configuration File** to import configuration parameters to the device. Importing configuration file requires entering the password set at the time of exporting.

Export Configuration File

Click **Export Configuration File** to export the device configuration parameters to the PC. Exporting configuration file requires a password to be used for file encryption.

Upgrade File

Select the upgrade type.

Click **View** to select an upgrade file from the PC, click **Upgrade** and enter the password of current user to upgrade the device remotely.

Note

Do not power off when the device is upgrading.

Security Audit Log

Enter a short description of your task here (optional).

Steps

1. Click **Configuration → System → System Maintenance → Security Audit Log** to enter the page.

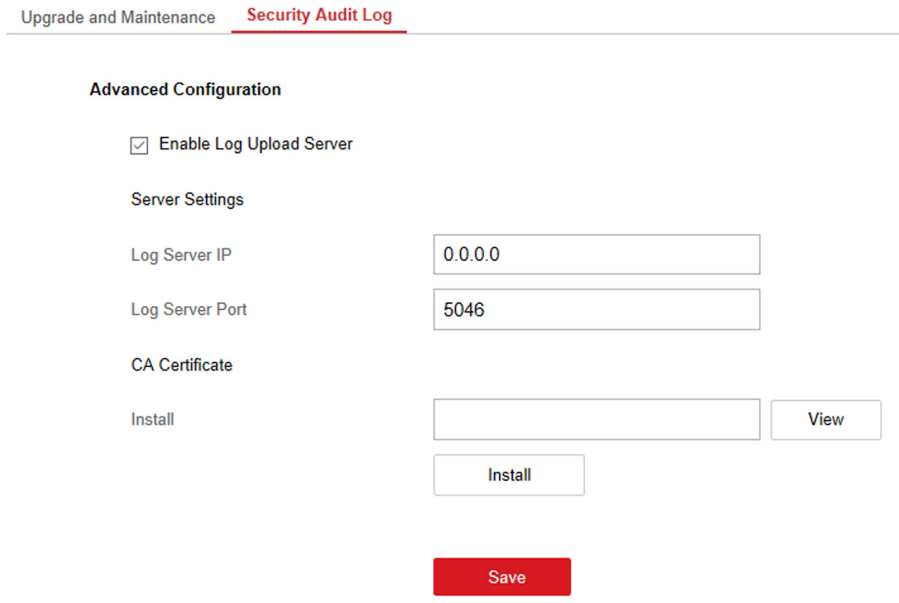


Figure 4-39 Security Audit Log

2. Check **Enable Log Upload Server**.
3. Enter log server IP and port.
4. Click **View** to select a certificate.

Note

Formats include ca.crt、ca-chan.crt、private.txt are allowed.

5. Click **Install**.
6. Click **Save**.

Local Log Search

You can search the log on the device.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in. Click **Configuration → System → Log** to enter the Local Log Search page.

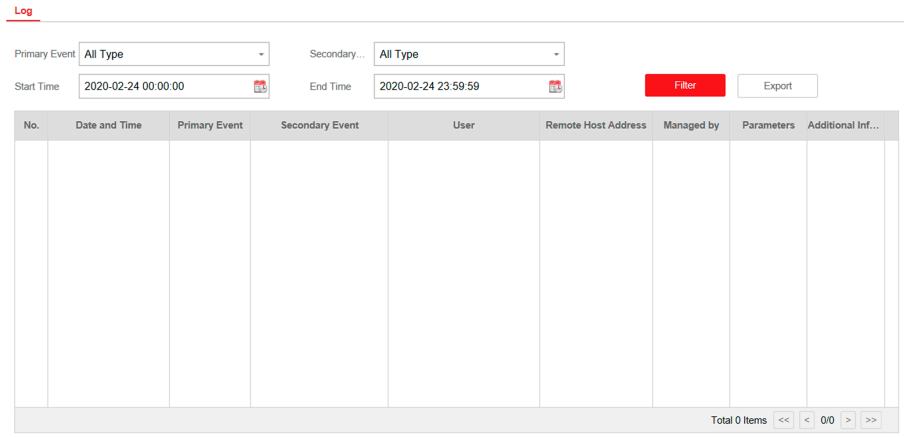


Figure 4-40 Local Log Search Page

Select a major type and a minor type from the drop-down list, set the log start time and end time and click **Filter**. All filtered log information will be displayed in the list.

You can also click **Reset** to reset all search conditions.

4.2.8 Check Status

After setting the zone, relay, and other parameters, you can view their status.

Click **Device Status**. You can view the status of zone, relay, sounder, battery, communication, and repeater.

- Zone: You can view the zone status, alarm status, detector battery capacity, and signal strength.
- Area: You can view area status.
- Sounder: You can view sounder status, battery status, and signal strength.
- Relay: You can view relay status and signal strength.
- Battery: You can view the battery charge.
- Communication: You can view the wired network status, Wi-Fi status, Wi-Fi signal strength, cellular network status, used data, and cloud connection status.

For more operation in this page, refers to ***Use the Web Client*** .

4.3 Use Mobile Client

4.3.1 Download and Login the Mobile Client

Download the mobile client and login the client before operating the security control panel.

Steps

1. Get Hik-Connect mobile client from the following ways.
   - Visit ***https://appstore.hikvision.com*** to download the application according to your mobile phone system.
   - Visit the official website of our company. Then go to **Support → Tools → Hikvision App Store** to download the application according to your mobile phone system.
   - Scan the QR code below to download the application.

Figure 4-41 Hik-Connect QR Code

2. **Optional:** Register a new account if it is the first time you use the Hik-Connect mobile client.

Note

For details, see *User Manual of Hik-Connect Mobile Client*.

3. Run and login the client.

4.3.2 Activate Control Panel via Hik-Connect

Steps

1. Power on the control panel.
2. Select adding type.
   - Tap ⊕ → **Scan QR Code** to enter the Scan QR code page. Scan the QR code on the control panel.

     Note

     Normally, the QR code is printed on the label stuck on the back cover of the control panel.
   - Tap ⊕ → **Manual Adding** to enter the Add Device page. Enter the device serial No. with the Hik-Connect Domain adding type.
3. Tap 🖫 to search the device.
4. Tap **Next**.
5. Enter the device verification code if required and tap **OK**.

Note

By default, the verification code is printed on the device label.

6. Tap **Wireless Connection** on the Select Connection Type page.
7. Follow the instructions on the Turn on Hotspot page and change the control panel to the AP mode. Tap **Next**.

Note

You need to remove the rear panel of the device and the AP/STA switch is on the back of the device.

8. Select a stable Wi-Fi for the device to connect and tap **Next**.

Note

Make sure the device and the mobile phone are connect to the same Wi-Fi.

9. Follow the instructions. Create the device password and tap **Active**.

Note

We highly recommend you to create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

10. Follow the instructions on the Turn on Hotspot page and change the control panel to the STA mode. Tap **Confirm**.

Note

You need to remove the rear panel of the device and the AP/STA switch is on the back of the device.

11. After the connection is finished, enter the device alias and tap **Save**.
12. **Optional:** You can delete the device.
    1) On the device list page, tap the security control panel and then log in to the device (if required) to enter the area page.
    2) Tap → **Delete Device** to delete the device.

4.3.3 Add Control Panel to the Mobile Client

Add a control panel to the mobile client before other operations.

Before You Start

- The control panel has been activated.
- The control panel has registered to Hik-Connect. For details, see ***Mobile Client Registration*** .

Steps

1. Power on the control panel.
2. Select adding type.
   - Tap ⊕ → **Scan QR Code** to enter the Scan QR code page. Scan the QR code on the control panel.

     Note

     Normally, the QR code is printed on the label stuck on the back cover of the control panel.
   - Tap ⊕ → **Manual Adding** to enter the Add Device page. Enter the device serial No. with the Hik-Connect Domain adding type.
3. Tap 💾 to search the device.
4. Tap **Add** on the Results page.
5. Enter the verification code and tap **OK**.
6. After adding completed, enter the device alias and tap **Save**.

4.3.4 Add Peripheral to the Control Panel

It is required to enter the activation name and the password login the control panel after it being added. The tampering alarm will not be detected within 5 minutes after you login the device as a setter and does not operate the device.

Before You Start

Make sure the control panel is disarmed.

Steps

Note

Some control panel models do not support add zones or wireless devices remotely. You should add them to the control panel directly. For details, see the user manual of the wireless device.

1. On the device list, tap the security control panel and then log in to the device (if required) to enter the Area page.
2. Tap ⊕ to enter the Scan QR Code page.
3. Scan the QR code of the peripheral.

   Note

   The QR code is usually on the back cover of the device.
4. **Optional:** If the QR code fails to be recognized, tap ✎ and enter the serial number of the device, and then select the device type.

   Note

   The serial number is usually on the back cover of the device.
5. Tap **Add**.

Note

- When the adding peripheral is a detector, the detector will be linked to the zone. You can view the detector information in the Zone tab.
- Up to 32 detectors can be linked to the zone.

The added peripheral will be listed in the Zone tab or the Peripheral Device tab.

Note

One of the most important factors for a reliable wireless installation is the signal strength between a wireless device and the panel. If a device is out of range it will not be able to send events to the control panel therefore it is recommended that a signal strength test is performed before fixing devices into place. The control panel has advanced signal strength mechanism that operates by monitoring all inputs/bells on the web browser. The page will need to be re-freshed every time for a new test. See also Appearance-Function Button.
When performing a signal strength test it is recommended that the system is tested in the 'worst case scenario'. For example with all doors and windows closed.

4.3.5 Add Card

You can add card to the control panel. Use the card to arm, disarm, or clear alarm.

Steps

1. On the device list page, tap the security control panel and then log in to the device (if required) to enter the area page.

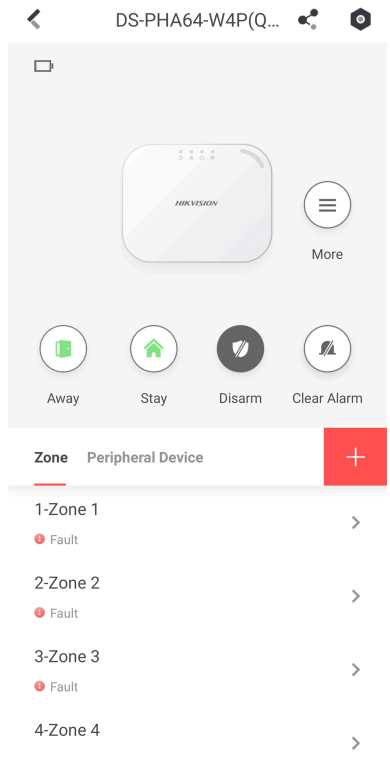


Figure 4-42 Area Page

2. Tap ⚙ → **User Management** → **Card/Tag Management** to enter the Card/Tag Management page.
3. Tap **+**.
4. When hearing the voice prompt "Swipe Card", you should present the card on the control panel card presenting area.

   When hearing a beep sound, the card is recognized.
5. Create a card name and tap **Finish**.

   Note

   The name should contain 1 to 32 characters.

   The card is displayed in the Card/Tag Management page.

4.3.6 Add Keyfob

You can add keyfobs to the control panel and control area arming/disarming status. You can also clear alarm when an alarm is triggered.

Steps

Note

Make sure the keyfob's frequency is the same as the control panel's.

1. On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.
2. Tap ⊕ to enter the Scan QR Code page.
3. Tap **Add Keyfob**.
4. Follow the instruction on the page and press any key on the keyfob to add.
5. Create a name for the keyfob and tap **Finish**.

   The keyfob is listed in the Wireless Device page.
6. **Optional:** You can view the keyfob's serial No. and you can also delete it.

4.3.7 User Management

Steps

1. On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.
2. Tap ⚙ → **User Management** → **User** .

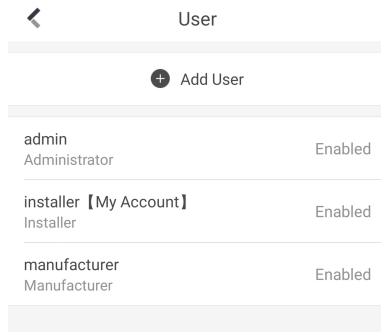


Figure 4-43 User Managment

3. Tap **Add User**.

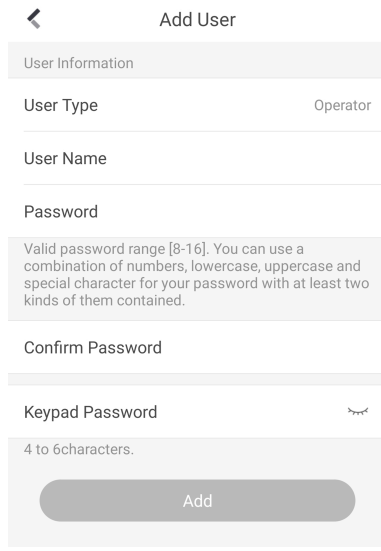


Figure 4-44 Add User

4. Select **User Type**. Enter **User Name** and **Password**.
5. Enter **Keypad Password**.

Note

The keypad password +1 or -1 is the duress code. Use the duress code can operate the keyboard to arm and disarm normally and upload a duress alarm. For example, if the keypad password is 123456, the duress code is 123455 or 123457.

6. Tap **Add** to add the user.
7. **Optional:** Tap a user to edit the parameters. You can choose to enable the user or not. Select the linked area and the permission.
8. **Optional:** Tap a user and tap **Delete** to delete the user.

Note

Admin, installer and mabufacturer can not be deleted.

4.3.8 System Settings

System Option

On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.
Tap → **System Option** to set parameters.
For **Option Management**:

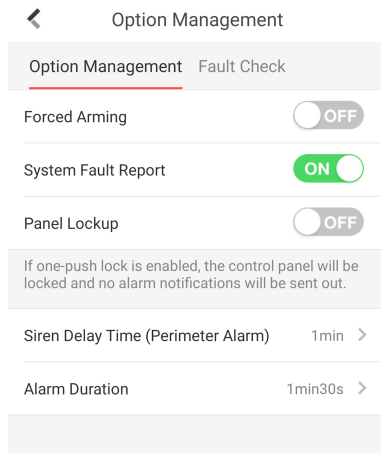


Figure 4-45 Option Managment

Forced Arming

If the option is enabled and there are active faults in a zone, the zone will be bypassed automatically.

Note

If Enable Arming is enabled, Forced Arming is only effective for Auto Arming.

System Faults

If the option is enabled, the device will upload the system fault report automatically.

One-Push Lock

If the option is enabled, the installer can lock other users.

For **Fault Check**:

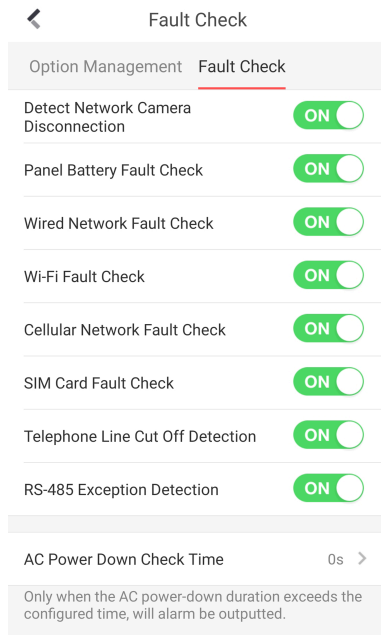


Figure 4-46 Fault Check

Detect Network Camera Disconnection

If the option is enabled, when the linked network camera is disconnected, an alarm will be triggered.

Battery Supervision

If the option is enabled, when battery is disconnected or out of charge, the device will not upload events.

Wired Network Fault Check

If the option is enabled, when the wired network is disconnected or with other faults, the alarm will be triggered.

Wi-Fi Fault Check

If the option is enabled, when the Wi-Fi is disconnected or with other faults, the alarm will be triggered.

Cellular Network Fault Check

If the option is enabled, when the cellular data network is disconnected or with other faults, the alarm will be triggered.

SIM Card Fault Check

If the option is enabled, the alarm will be triggered for faults of the SIM card.

Telephone Line Cut Off Detection

If the option is enabled, the alarm will be triggered when telehphone is disconnected.

RS-485 Exception Detection

If the option is enabled, the alarm will be triggered when the RS-485 bus of device has exception.

AC Power Down Check Time

The system checks the fault after the configured time duration after AC power down.

To compliant the EN 50131-3, the check time duration should be 10 s.

System Maintenance

On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.

Tap → **System Maintenance** to set parameters.

Reboot Device

The device will restore all parameters to the default settings.

Partly Restore

The device will restore to its default settings except for admin user information, wired network parameters, Wi-Fi network, detector information, and wireless device parameters.

Public Area Configuration

On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.

Tap → **Area Management** → **Public Area Configuration** to set parameters.

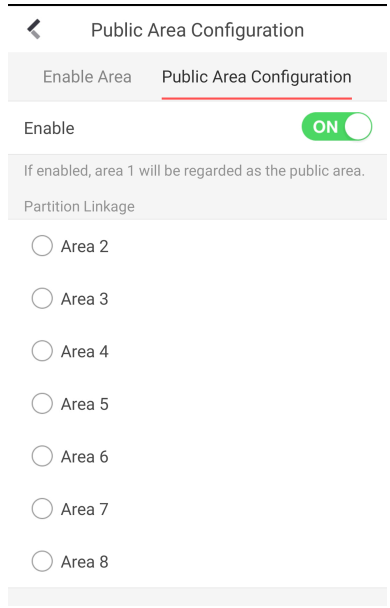


Figure 4-47 Public Area Configuration

After slide **Enable**, the area 1 will be regarded as the public area.

You can select linked area as well.

4.3.9 Arm/Disarm the Zone

Arm or disarm the zone manually as you desired.

Note

Axiom security control panel supports 4 areas.

On the device list page, tap the security control panel and then log in to the device (if required) to enter the Area page. You can swipe to the left or right to switch areas.

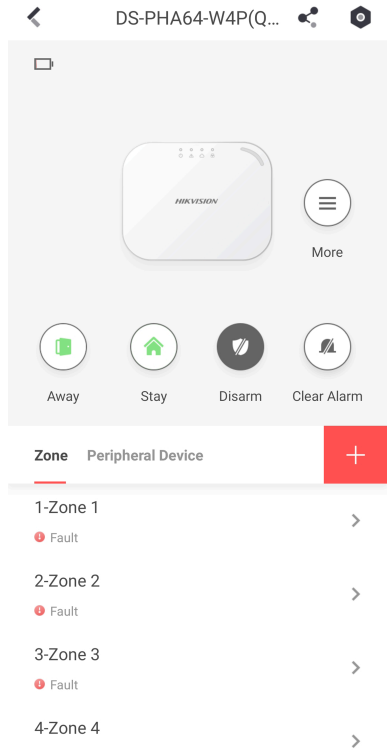


Figure 4-48 Area Page

Operations for a Single Area

- **Away**: When all the people in the detection area leave, turn on the Away mode to arm all zones in the area after the defined dwell time.
- **Stay**: When the people stays inside the detection area, turn on the Stay mode to arm all the perimeter burglary detection (such as perimeter detector, magnetic contacts, curtain detector in the balcony). At the meantime, the detectors inside the detection area are bypassed (such as PIR detectors). People can move inside the area and alarm will not be triggered.
- **Disarm**: In Disarm mode, all the zones in the area will not trigger alarm, no matter alarm events happen or not.
- **Clear Alarm**: Clear all the alarms triggered by the zones of the area.

Operations for All Areas

- **Away**: When all the people in the detection area leave, turn on the Away mode to arm all zones in all areas after the defined dwell time.
- **Stay**: When the people stays inside the detection area, turn on the Stay mode to arm all the perimeter burglary detection (such as perimeter detector, magnetic contacts, curtain detector in the balcony) set in all the zones of all areas. At the meantime, the detectors inside the detection area are bypassed (such as PIR detectors). People can move inside the area and alarm will not be triggered.
- **Disarm**: In Disarm mode, all the zones of all areas will not trigger alarm, no matter alarm events happen or not.
- **Clear Alarm**: Clear all the alarms triggered by the all the zones of all the areas.

4.3.10 Bypass Zone

When the area is armed, you can bypass a particular zone as you desired.

Before You Start
Link a detector to the zone.

Steps
1. On the device list page, tap the security control panel and then log in to the device (if required) to enter the Area page.
2. Select a zone in the Zone tab to enter the settings page.
3. Select a zone and enter the Settings page.

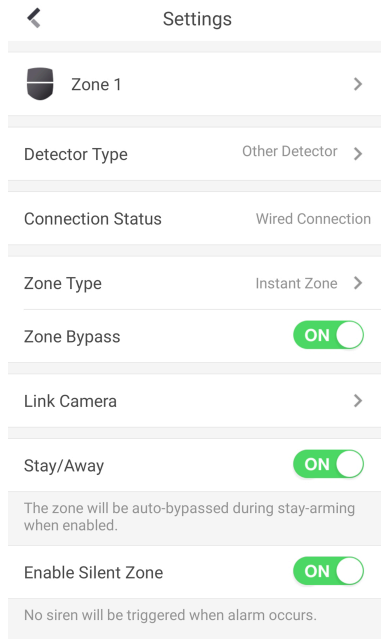


Figure 4-49 Zone Settings Page

4. Enable **Zone Bypass** and the zone will be in the bypass status.

   The detector in the zone does not detect anything and you will not receive any alarm from the zone.

4.3.11 Set Zone

After the detector is added, you can set the zone, including the zone name, the zone type, zone bypass, linked camera, stay/away status, the sounder, and the silent zone. You can also view the detector serial No. (only device in 433 HMz) and the detector type of the zone.

Steps

1. On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.
2. Tap **Zone** and then tap a zone in the Area page to enter the zone settings page.

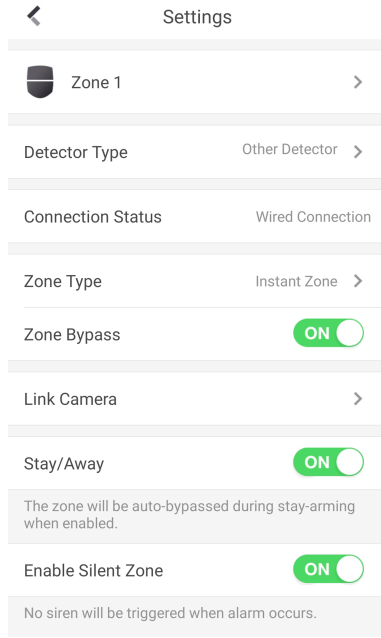


Figure 4-50 Zone Setting Page

3. Set the following parameters as you desired.

   Zone Type

   Select a zone type from the zone type list.

   If you select **Delayed Zone**, you should select an entry delay (Entry Delay 1 or Entry Delay 2) on the pop-up page.

   If you select **Timeout Zone**, you should select a timeout value or tap **Custom** to set a custom value.

   Zone Bypass

Enable the function and the zone will be bypassed. No alarm will be received while the zone is bypassed.

Link Camera

You can link the zone to cameras. When an alarm is triggered, you can monitor the zone via the linked cameras.

Stay/Away

If this option is Enabled the zone will be auto bypassed when the alarm system is stay armed. To re-enable the zone deselect the option.

Enable Silent Zone

Enable the function and no sounder will be triggered if an event or alarm occurs.

4.3.12 Set Arming/Disarming Schedule

Set the arming/disarming schedule to arm/disarm a particular zone automatically.

On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.

Tap → **Area Management** and select a area, or tap ≡ on the Parition page to enter the Settings page.

Enable the auto arm/disarm function and set the auto arm time/auto disarm time. You can also set the late to disarm time, entry delay time, exit delay time, sounder delay time, weekend exception and excepted holiday.

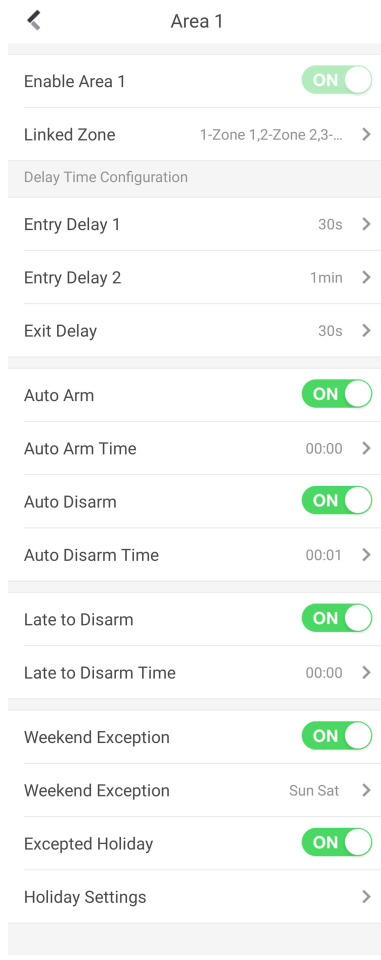


Figure 4-51 Arming or Disarming Schedule Page

Entry Delay 1

Entry Delay 2

Set a value for **Entry Delay 1** and **Entry Delay2**. Entry delay is a time concept. If entry delay is configured for the delayed zone, when you enter an armed delayed zone, the zone alarm will not be triggered until the end of entry delay.

Note

After set value for **Entry Delay 1** and **Entry Delay 2**, you should set the entry delay of a specific zone to the value of **Entry Delay 1** or **Entry Delay 2**.

Exit Delay

Set exit delay for the delayed zone. If exit delay is configured for the delayed zone, after you arm the zone on the indoor unit, you can exit the zone without triggering alarm until the end of exit delay.

Auto Arm

Enable the area to automatically arm itself in a specific time point.

Auto Arm Time

Set the schedule for the area to automatically arm itself.

Late to Disarm

Enable the device to push a notification to the phone or tablet to remind the user to disarm the area when the area is still armed after a specific time point.

Note

You should enable the Panel Management Notification function on the Web Client of **Communication Parameters → Event Communication** before enabling the Late to Disarm function.

Late to Disarm Time

Set the time point mentioned in **Late to Disarm**.

Weekend Exception

If enabled, **Auto Arm**, **Auto Disarm**, and **Late to Disarm** are disabled on the weekend.

Excepted Holiday

Enable the function and the zone will not be armed/disarmed in the holiday. You should set the holiday schedule after enabling.

Note

Up to 6 holiday groups can be set.

4.3.13 Check System Status (Zone Status/Communication Status)

You can view the zone status and the communication status via the mobile client.

View Zone Status

In the Area page, tap **Zone** to enter the Zone tab. You can view the each zone's status in the list.

Communication Mode

In the Area page, tap → **Device Information** to enter the page. You can view the device communication status, including the battery, Ethernet network, Wi-Fi, mobile network, data usage and so on.

Enable Arming Process

In the Area page, tap to enter the page. Slide to enable **Enable Arming Process**. After enabled, the device will auto detect its faults during the arming process. You can determine whether to continue arming or not if faults are detected.

4.3.14 Check Alarm Notification

When an alarm is triggered, and you will receive an alarm notification. You can check the alarm information from the mobile client.

Before You Start

- Make sure you have linked a zone with a detector.
- Make sure the zone is not bypassed.
- Make sure you have not enabled the silent zone function.

Steps

1. Tap **Notification** in the mobile client to enter the page.

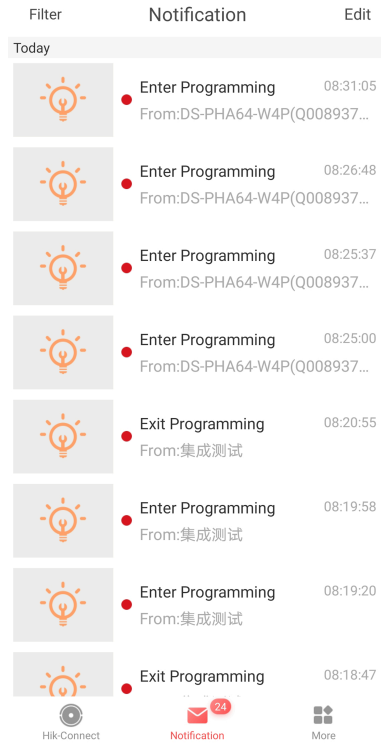


Figure 4-52 Notification Page

All alarm notifications are listed in Notification page.

2. Select an alarm and you can view the alarm details.

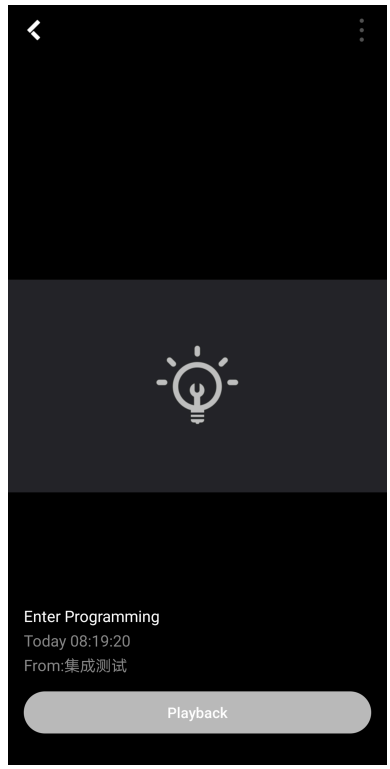


Figure 4-53 Alarm Details

3. **Optional:** If the zone has linked a camera, you can view the playback when the alarm is triggered.

4.3.15 Set Network Camera Channel

Steps

1. On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.
2. Tap → **Network Camera Channel** .
3. Tap **Add Channel**.

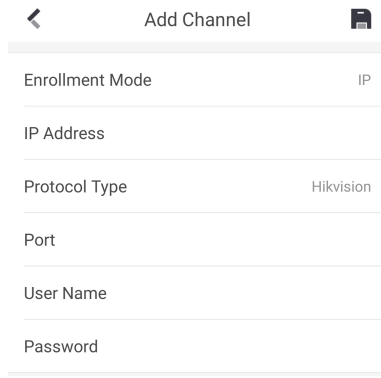


Figure 4-54 Add Channel

4. Enter **IP Address**, **Port**, **User Name** and **Password**.
5. Tap to add channel.
6. **Optional:** Edit a channel.
   1) Select a channel in the list.

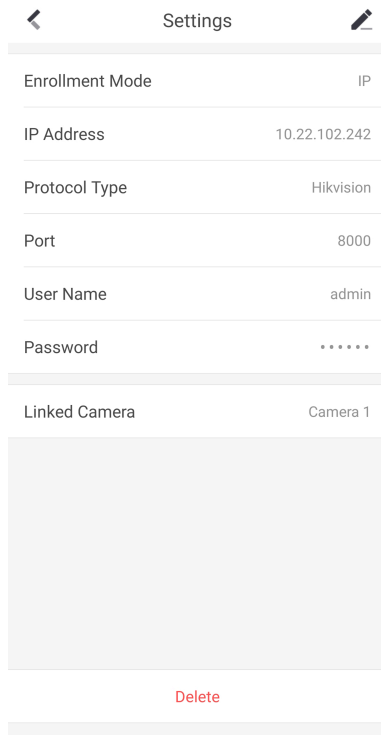


Figure 4-55 Network Camera Settings

   2) Tap to enetr the editing mode.
   3) Edit parameters.
   4) Tap to save.
7. **Optional:** Select a channel and tap **Delete** to delete it.

4.3.16 Set Event Video Settings

On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.

Tap → **Event Video Settings** to enter the page.

You need to select the video channel and set parameters.

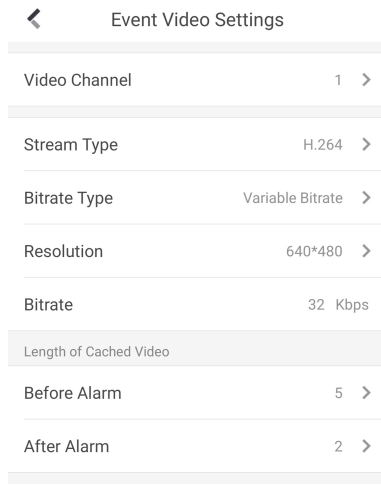


Figure 4-56 Event Video Settings

Stream Type

Main Stream: Being used in recording and HD preview, it has a high resolution, code rate and picture quality.

Sub-Stream: It is used to transmit network and preview pictures as a video streaming with features of lower resolution, bit rate and picture quality.

Bitrate Type

Select the Bitrate type as constant or variable.

Resolution

Select the resolution of the video output

Bitrate

The higher value corresponds to the higher video quality, but the better bandwidth is required.

Before Alarm

Length of cached video before alarm.

After Alarm

Length of cached video after alarm.

4.3.17 Add a Camera to the Zone

You can link a camera to the zone to monitor the zone. You can view the alarm videos when an alarm is triggered.

Before You Start

Make sure you have installed the camera in the target zone and the camera has connected the same LAN as the security control panel's.

Steps

1. On the device list page, tap the security control panel and then log in to the device (if required) to enter the control panel page.
2. Tap **Zone** to enter the zone list page.
3. Select a zone to enter the zone settings page.
4. Tap **Link Camera** to enter the Link Camera page.

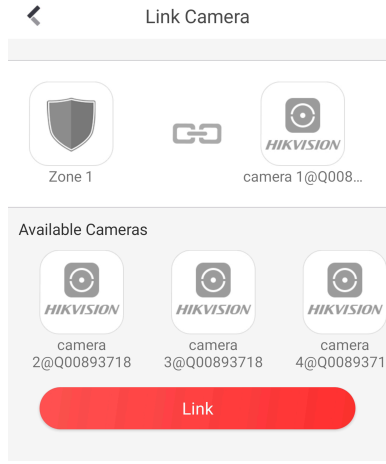


Figure 4-57 Link Camera Page

5. Select a camera in the available cameras, and tap **Link**.

Chapter 5 Operations

You can use the client keyfob, card, client software, or mobile client to do arming, disarming, bypass, and zone disabling.

5.1 Arming

You can use keypad, keyfob, card, client software, mobile client to arm your system.
After the arming command is sending to control panel, the sytem will check the detector status. If the detector is in fault, you will need to choose whether to arm the system with fault.
While the system is armed, the control panel will prompt the result in 5s, and upload the arming report.

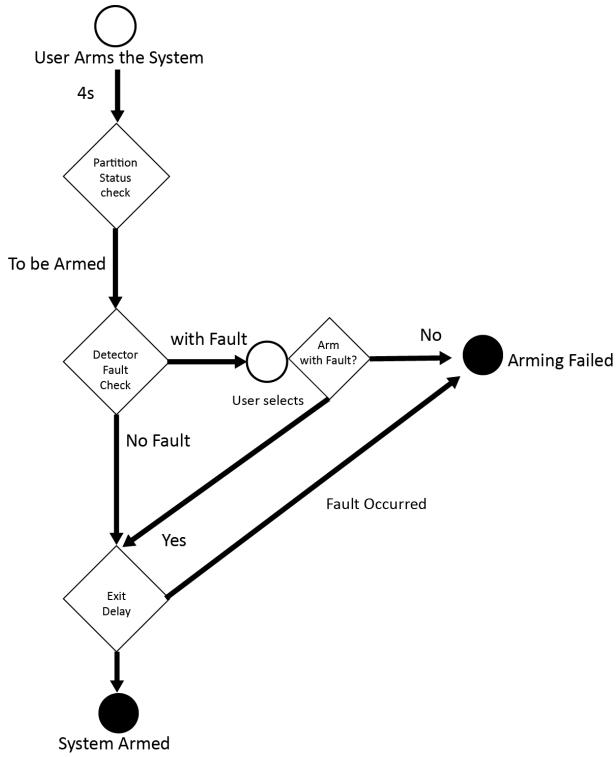


Figure 5-1 Arming Process

Access level of Arming

The user in level 2 or 3 has the permission to arm or partly arm the system.

Arming Indication

The arming/disaring indicator keeps solid blue for 5s.

Reason of Arming Failure

- Intrusion detector triggered (excepts the detector on the exit route).
- Panic alarm device triggered.
- Tampering alarm occurred.
- Communication exception
- Main power supply exception
- Backup battery exception
- Alarm receiving fault
- Sounder fault
- Low battery of the keyfob
- Others

Arming with Fault

While the arming is stopped with fault, user in level 2 has the permission to arm the system with fault (forced arming).
Fored arming only taks effect on the current arming operation.
The forced arming operation will be record in the event log.

5.2 Disarming

You can disarm the system with keypad, keyfob, card, client software, or mobile client.

Disarming Indication

The arming/disarming indicator flashes 30s while the user successfully disarm the system through the entry/exit route.
The system will report the disarming result after the operation completed.

Entry Delay Duration

Ensure that timer is no longer than 45 seconds in order to comply with EN50131-1.

Early Alarm

If either the intrusion or tampering alarm occurs on the enter/exit route when the control panel is in the status of entry delay, the control panel then enters the early alarm mode.
The early alarm duration can be set (> 30s).
The control panel will reports the alarm only if the alarm event lasts over the duration of early alarm with the addition of entry delay.

5.3 Use the Keyfob

The keyfod is used for away arming, stay arming, disarming, panic alarm, and clearing alarm.

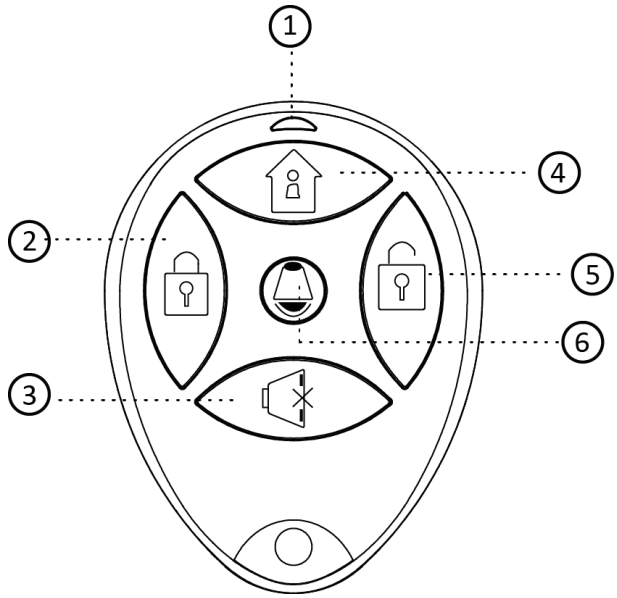


Figure 5-2 Type Ⅰ Keyfob

Table 5-1 Type Ⅰ Keyfob Keys

No.	Description
1	Indicator Green: Successful Operation Red: Press the Key
2	Away Arming
3	Clearing Alarm
4	Stay Arming
5	Disarming
6	Panic Alarm (Duress Alarm) Hold the key for 2 seconds, an alarm report will be send to the alarm center secretly without alerting.

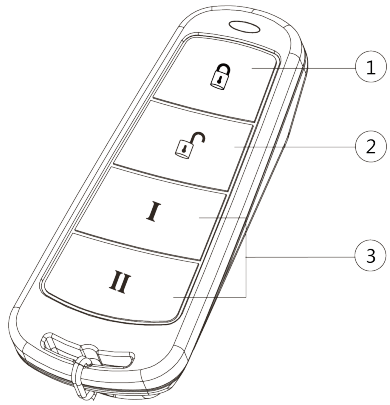


Figure 5-3 Type Ⅱ Keyfob

Table 5-2 Type Ⅱ Keyfob Keys

No.	Description
1	Arming (Lock)
2	Disarming(Unlock)
3	Combo-Function Key

Custom Combination Functions (except Arming + Ⅱ and Disarming + Ⅰ) : Away Arming, Stay Arming, Disarming, Panic Alarm, Clearing Alarm, Fault Inspection, and Arming Status Check.

The following table shows the keyfob operation and responded indications.

Table 5-3 Type Ⅱ Keyfob Operations and Indications

Keyfob Operation Result	Indication
Armed	Red LED Flashes Once
Arming Failed	Green LED Flashes Once
Arming	Green LED Flashes 9 Times
No Arming Permission	Yellow LED Flashes 4 Times
Fault Checking Finished	Yellow LED Flashes 4 Times
Alarm Cleared	Green LED Flashes Once
No Permission for Clearing Alarm	Yellow LED Flashes 4 Times
Disarmed	Green LED Flashes Once
No Disarming Permission	Yellow LED Flashes 4 Times
Panic Alarm Uploaded	Green LED Flashes Once
No Panic Alarm Permission	Yellow LED Flashes 4 Times

5.4 Use the Card

It is poissible to arm or disarm the system with the card.

While the system is not armed, present a valid card to the control panel to arm the system.

While the system is armed, present a valid card to the control panel to disarm the system.

5.5 Use the Client Software

Steps

1. Download, install and register to the client software.
2. Add device in **Device Management → Device** .

Note

- Set the device port No. as 80.
- The user name and password when adding device are the activation user name and password.

3. Click to enter the Remote Configuration page after the device is completely added,

5.5.1 Add Device to the Client Software

Before You Start

Activate the device and ensure that the device is on the same subnet as the PC.

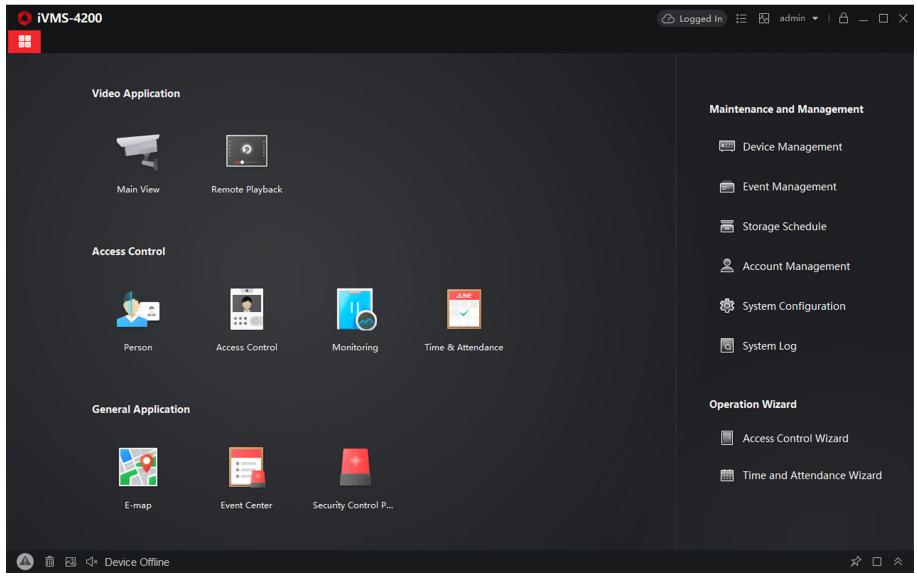


Figure 5-4 Client Software Main Page

In the client software, go to **Device Management → Device** on the **Maintenance and Management** list. You can add devices to client software by several methods on the device management page.

The following describes how to add devices through IP/Domain Name. For more information, see *iVMS-4200 Client Software User Manual*.

Steps

1. On the **Device** page, click **Add**.
2. Select **IP/Domain** as the adding mode, edit the device information, including **Name**, **Address**, **Port**, **User Name**, and **Password**.

   Note

   The port No. is 80.

3. Check **Import to Group**.
4. Click **Add** to add the device.

5.5.2 Add Device to the Client Software through Cloud P2P

Before You Start

Enter the prerequisites here (optional).

Steps

1. Click **Device Management → Device** on the **Maintenance and Management** list to enter the page.
2. Log in the Cloud P2P account.
   - Click Not Logged in and select the region. Enter the user name and password on the pop-up window. Click **Login** .
   - Click **Add**, select the region and click **Login** on the pop-up winodow. Enter user name, password and click **Login**.

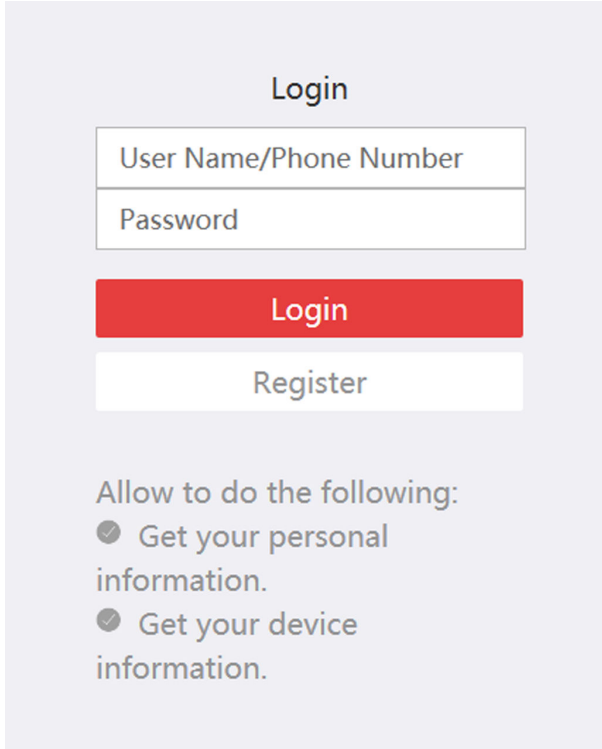


Figure 5-5 Login Cloud P2P Account

Note

- If you have added a device to your Cloud P2P account, the device will appear in the device list. If not, you need to add a device via cloud P2P or IP.
- After you exit your Cloud P2P account, the device you added to your Cloud P2P account will be remove.

3. Click **Add**, select adding mode as **Cloud P2P**.
4. Enter **Serial No.** and **Verification Code** or click **Online Device** to select a device.

Note

- The device should be on the same network segment as the computer so you can find it in the online device list.
- You can check **DDNS** and enter parameters to enbale it.

5. Check **Import to Group**.
6. Click **Add**.

5.5.3 Area Operation

In the client software, click **Security Control Panel → Area** to enter the page. You can control the selected area, such as **Away Arming**, **Stay Arming**, **Disarm** and **Clear Alarm**.

Click to enter the zone operation page. You can **Bypass** and **Bypass Recovered** the selected zones here.

5.5.4 Operate the Relay

In the client software, click **Security Control Panel → Relay** to enter the page. You can **Enable** or **Close** the selected relays.

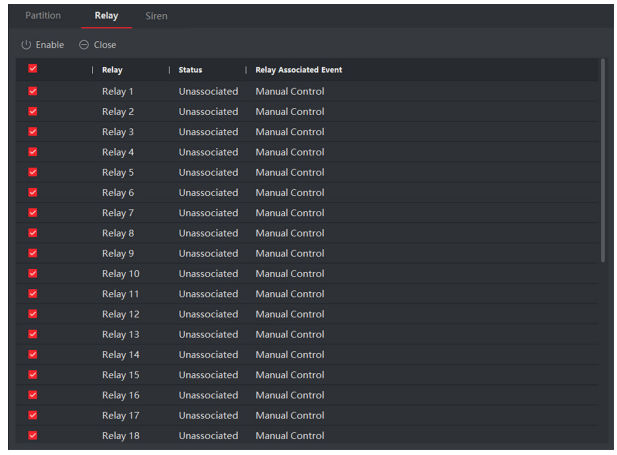


Figure 5-6 Relay Operation

5.5.5 Operate the Sounder

Steps

1. In the client software, click **Security Control Panel → Sounder** to enter the page.
2. You can **Enable** or **Close** the selected sounders.

5.6 Use the Web Client

Steps

1. Connect the device to the Ethernet.
2. Search the device IP address via the client software and the SADP software.
3. Enter the searched IP address in the address bar.

Note

When using mobile browser, the default IP Address is 192.168.8.1. The device must be in the AP mode.

Note

When connecting the network cable with computer directly, the default IP Address is 192.0.0.64

4. Use the activation user name and password to login.

Note

Refer to *Activation* chapter for the details.

5.6.1 Add/Edit/Delete Tag (Card)

You can add tag to the security control panel and you can use the tag(card) to arm/disarm the zone. You can also edit the tag information or delete the tag from the security control panel.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → User Management → Tag** to enter the management page.
3. Click **Add** to enter the adding page.
4. Select the linked keypad.
5. Click **OK** and the card(tag) information will be displayed in the list.

Note

The card supports at least 20-thousand serial numbers.

6. **Optional:** Click and you can change the card(tag) settings, including tage(card) type, related net user, linked area, etc.
7. **Optional:** Click to delete the card(tag).

5.6.2 Add/Edit/Delete Keyfob

You can add keyfob to the security control panel and you can control the security control panel via the keyfob. You can also edit the keyfob information or delete the keyfob from the security control panel.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → User Management → Keyfob** to enter the Keyfob Management page.

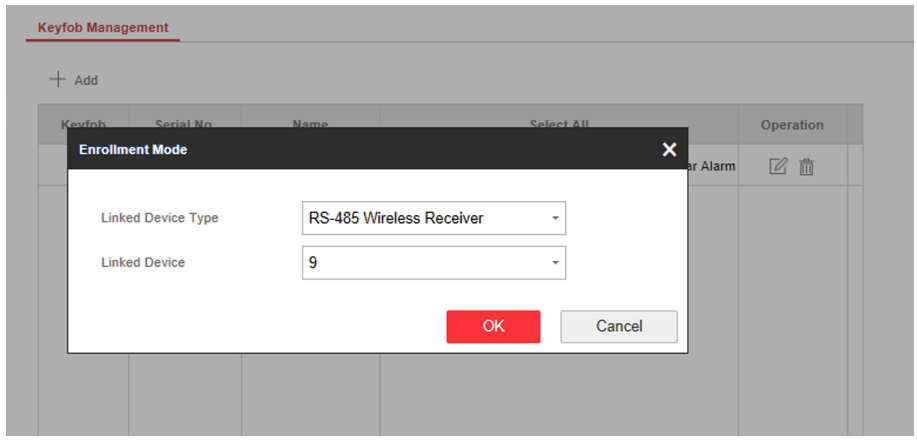


Figure 5-7 Keyfob Management

3. Click **Add** and press any key on the keyfob.
4. Set the keyfob linked device type and linked device No..
5. Click **OK**.
6. **Optional:** Click to edit the keyfob information.

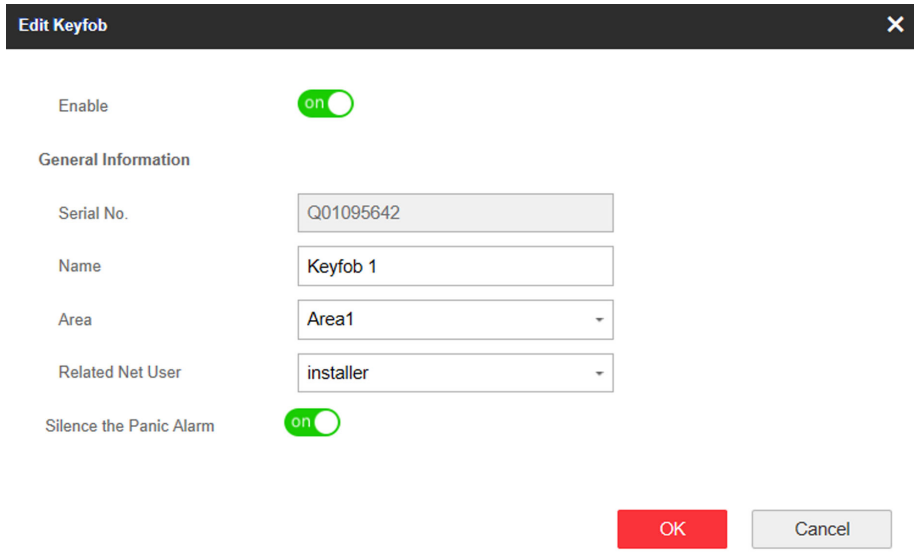


Figure 5-8 Edit Keyfob

7. Set the keyfob name.
8. Select the keyfob linked area and related net user.
9. Enable **Silence the Panic Alarm** according to your needs.

Silence the Panic Alarm

When enabled, the panic alarm of the wireless keypad will have no linkage prompt.

10. Optional: Click to delete the keyfob.

5.6.3 Add/Edit/Delete User

Administrator can add user to the security control panel, edit the user information, or delete the user from the security control panel. You can also assign different permissions to the new user.

Steps

1. In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in.
2. Click **Configuration → User Management → User** to enter the User Management page.
3. To compliant the EN requirement, slide the block to enable the installer and maintenance .

Note

- The default user name of admin account is **admin**. The password is the activation password.
- The default password of the **installer** is **installer12345**, and the default password of the **maintenance** (for Italian, the user name is **costruttore**) is **hik12345**. These password will have to be changed when first connected.
- The Italian user name of admin is **admin**.

Table 5-4 User Name of Installer

Language	User Name	Language	User Name
English	installer	Russian	монтажник
Italian	installatore	French	installateur
Polish	instalator	Spanish	instalador
German	errichter	Portuguese	instalador
Turkish	kurulumcu	Czech	technik

4. Click **Add**.
5. Set the new user's information in the pop-up window, including the user type, the user name, and the password.

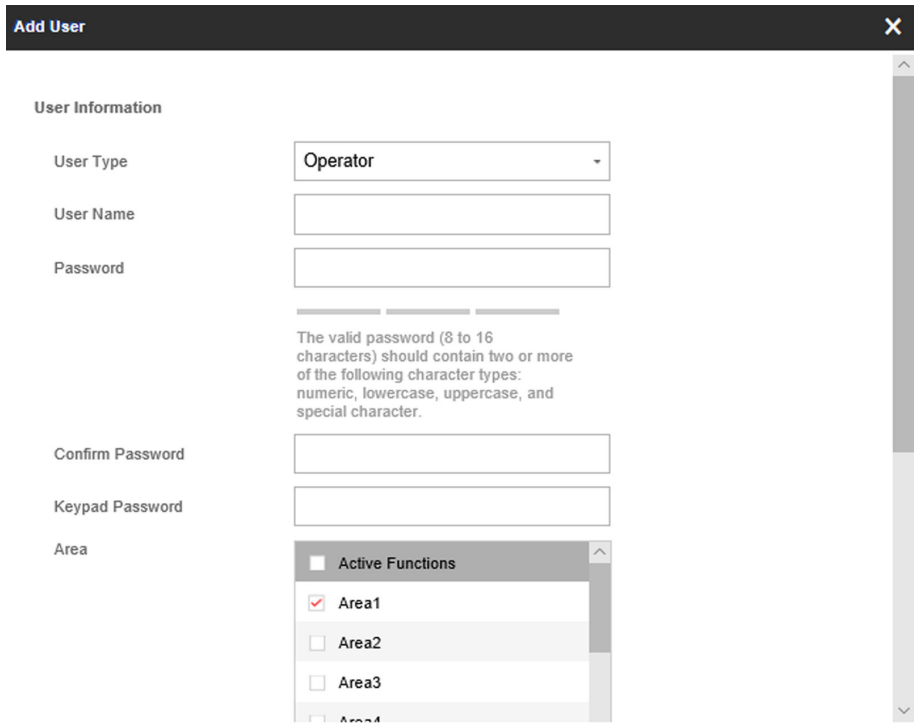


Figure 5-9 Add User Page

6. Set the keypad password (numeric, 8~16 characters).

Note

- The keypad password +1 or -1 is the duress code. Use the duress code can operate the keyboard to arm and disarm normally and upload a duress alarm. For example, if the keypad password is 123456, the duress code is 123455 or 123457
- The password cannot contain the user name or the user name in reverse order.

Caution

The password strength of the device can be automatically checked. We highly recommend you change the password of your own choosing (using a minimum of 8 characters, including at least three kinds of following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you change your password regularly, especially in the high security system, changing the password monthly or weekly can better protect your product.
Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

7. Check areas.
8. Check the check boxes to set the user permission.

   The user can only operate the assigned permissions.
9. Click **OK**.

10. **Optional:** Enable the user in the Enable User column to allow the enabled user operating the device.
11. **Optional:** Select an user and click **Edit** and you can edit the user's information and permission.
12. **Optional:** Delete a single user or check multiple users and click **Delete** to delete users in batch.

Note

The admin, the installer and the maintenance cannot be deleted.

5.6.4 Check Status

After setting the zone, relay, and other parameters, you can view their status.

Click **Device Status**. You can view the status of zone, relay, sounder, battery, communication, and repeater.

- Zone: You can view the zone status, alarm status, detector battery capacity, and signal strength.
- Area: You can view area status.
- Sounder: You can view sounder status, battery status, and signal strength.
- Relay: You can view relay status and signal strength.
- Battery: You can view the battery charge.
- Communication: You can view the wired network status, Wi-Fi status, Wi-Fi signal strength, cellular network status, used data, and cloud connection status.

For more operation in this page, refers to ***Use the Web Client*** .

5.7 Zone Operation

Enter a short description of your concept here (optional).

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in. Click **Device Status → Zone** to enter the page.

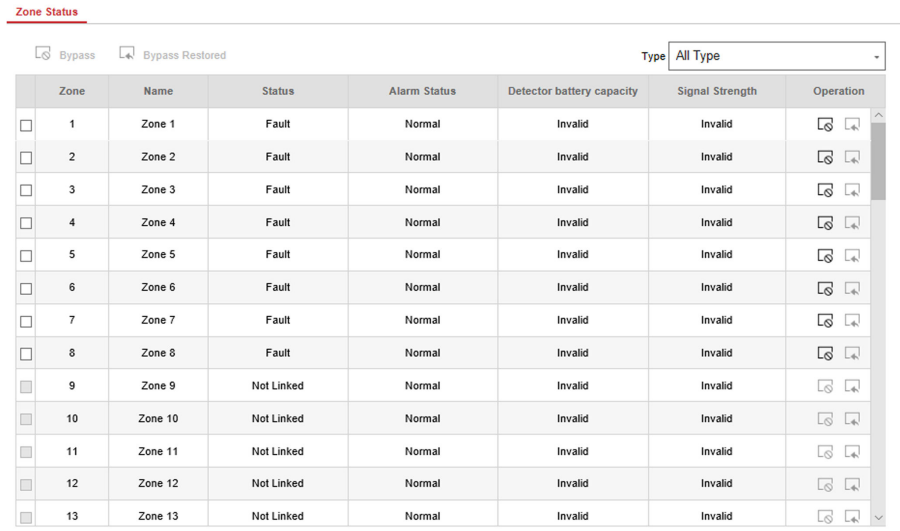


Figure 5-10 Zone Status

Click the icon on the right of the zone, or check zones and click **Bypass** or **Bypass Restored** to control zones.

5.8 Area Operation

Arm, disarm or clear alarm for areas.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in. Click **Device Status → Area** to enter the page.

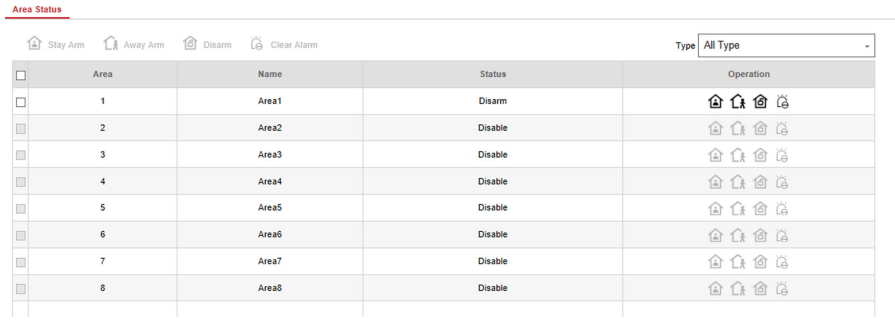


Figure 5-11 Area Status

Click the icon on the right of the area, or check areas and click **Stay Arm**, **Away Arm**, **Disarm** or **Clear Alarm** to control areas.

5.9 Sounder Operation

Open or close the sounder.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in. Click **Device Status → Sounder** to enter the page.

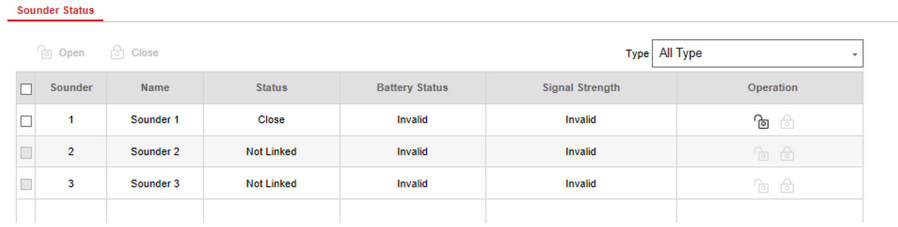


Figure 5-12 Sounder Status

Click the icon on the right of the sounder, or check sounders and click **Open** or **Close** to control sounders.

5.10 Relay Operation

Open or close the relay.

In the client software, select the device on the **Device Management** page and click , or enter the device IP address in the address bar of the web browser and log in. Click **Device Status → Relay** to enter the page.

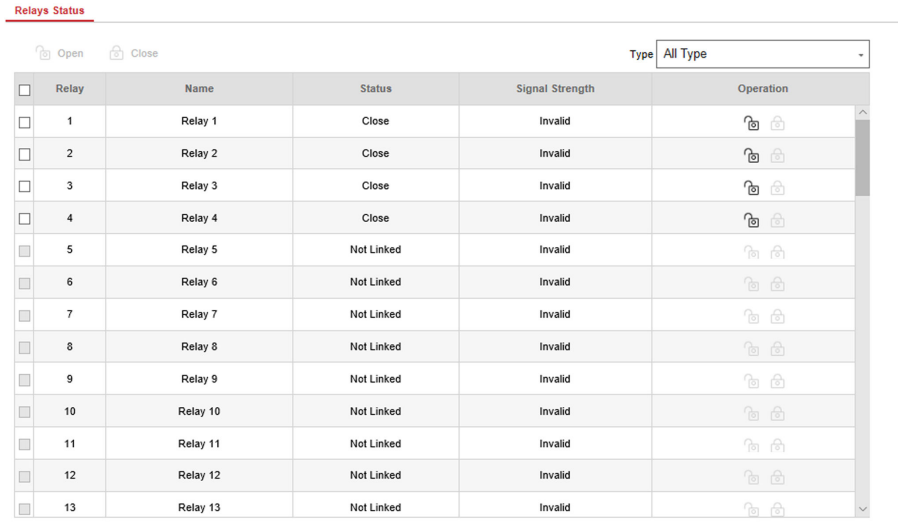


Figure 5-13 Relay Status

Click the icon on the right of the relay, or check relays and click **Open** or **Close** to control relays.

Appendix A. Trouble Shooting

A.1 Communication Fault

A.1.1 IP Conflict

Fault Description:
IP that the panel automatically acquired or set is same as other devices, resulting in IP conflicts.
Solution:
Search the current available IP through ping. Change the IP address and log in again.

A.1.2 Web Page is Not Accessible

Fault Description:
Use browser to access web pages and display Inaccessible.
Solutions:
1. Check whether the network cable is loose and the panel network is abnormal.
2. The panel port has been modified. Please add a port to the web address for further access.

A.1.3 Hik-Connect is Offline

Fault Description:
The web page shows that the Hik-Connect is offline.
Solution:
Network configuration of the panel is error, unable to access extranet.

A.1.4 Network Camera Drops off Frequently

Fault Description:
System reports multiple event logs of IPC disconnection and connection.
Solution:
Check whether the network communication or camera live view is proper.

A.1.5 Failed to Add Device on APP

Fault Description:

When using APP to add devices, it is prompted that the device fails to be added, the device could not be found, etc.

Solution:

Check the web page: whether the Hik-Connect is offline.

A.1.6 Alarm Information is Not Reported to APP/4200/Alarm Center

Fault Description:

After the alarm is triggered, the app/4200/ alarm center does not receive the alarm message.

Solution:

"Message push" - "alarm and tamper-proof notice" is not enabled. You should enable "alarm and tamper-proof notice".

A.2 Mutual Exclusion of Functions

A.2.1 Unable to Enter Registration Mode

Fault Description:

Click the panel function key, and prompt key invalid.

Solution:

The panel is in "AP" mode. Switch the panel to "station" mode, and then try to enter the registration mode again.

A.2.2 Unable to Enter RF Signal Query Mode

Fault Description:

Double-click the control panel function key, and the prompt button invalid.

Solution:

The panel is in "AP" mode. Solution: switch the panel to "station" mode, and then try to enter the RF signal query mode again.

A.3 Zone Fault

A.3.1 Zone is Offline

Fault Description:

View status of zones which displays offline.

Solution:

Check whether the detector reports undervoltage. Replace the detector battery

A.3.2 Zone Tamper-proof

Fault Description:

View status of zones which displays tamper-proof.

Solution:

Make tamper-proof button of the detector holden.

A.3.3 Zone Triggered/Fault

Fault Description:

View status of zones which displays triggered/fault.

Solution:

Reset the detector.

A.4 Problems While Arming

A.4.1 Failure in Arming (When the Arming Process is Not Started)

Fault Description:

When the panel is arming, prompt arming fails.

Solution:

The panel does not enable "forced arming", and when there is a fault in the zone, the arming will fail. Please turn on the "forced arming" enable, or restore the zone to the normal status.

A.5 Operational Failure

A.5.1 Failed to Enter the Test Mode

Fault Description:

Failed to enable test mode, prompting "A fault in the zone".

Solution:

Zone status, alarm status or zone power is abnormal.

A.5.2 The Alarm Clearing Operation on the Panel Does Not Produce the Alarm Clearing Report

Fault Description:

The alarm clearing operation on the panel does not produce the alarm clearing report.

Solution:

In the absence of alarm, no report will be uploaded for arm clearing.

A.6 Mail Delivery Failure

A.6.1 Failed to Send Test Mail

Fault Description:

when configure the mail information, click "test inbox" and prompt test fails.

Solution:

Wrong configuration of mailbox parameters. Please edit the mailbox configuration information, as shown in table 1/1.

A.6.2 Failed to Send Mail during Use

Fault Description:

Check the panel exception log. There is "mail sending failure".

Solution:

The mailbox server has restricted access. Please log in to the mailbox to see if the mailbox is locked.

A.6.3 Failed to Send Mails to Gmail

Fault Description:

The receiver's mailbox is Gmail. Click "Test Inbox" and prompt test fails.

1. Google prevents users from accessing Gmail using apps/devices that do not meet their security standards.

Solution:

Log in to the website (https://www.google.com/settings/security/lesssecureapps), and "start using access of application not safe enough". The device can send mails normally.

2. Gmail does not remove CAPTCHA authentication.

Solution: Click the link below, and then click "continue" (https://accounts.google.com/b/0/displayunlockcaptcha).

A.6.4 Failed to Send Mails to QQ or Foxmail

Fault Description:

The receiver's mailbox is QQ or foxmail. Click "Test Inbox" and prompt test fails.

1. Wrong QQ account or password.

Solution:

the password required for QQ account login is not the password used for normal login. The specific path is: Enter the email account → device → account → to generate the authorization code, and use the authorization code as the login password.

2. SMTP login permission is needed to open.

A.6.5 Failed to Send Mails to Yahoo

Fault Description:

The receiver's mailbox is yahoo. Click "test inbox" and prompt test fails.

1. The security level of mailbox is too high.

Solution:

Go to your mail account and turn on "less secure sign-in".

A.6.6 Mail Configuration

Table A-1 Mail Configuration

Mail Type	Mail Server	SMTP Port	Protocols Supported
Gmail	smtp.gmail.com	587	TLS/STARTTLS (TLS)
Outlook	smtp.office365.com	587	STARTTLS (TLS)
Hotmail	smtp.office365.com	587	STARTTLS (TLS)
QQ	smtp.qq.com	587	STARTTLS (TLSv1.2)
Yahoo	smtp.mail.yahoo.com	587	STARTTLS (TLSv1.2)
126	smtp.126.com	465	SSL/TLS

Mail Type	Mail Server	SMTP Port	Protocols Supported
Sina	smtp.sina.com	25/465/587	SSL/TLS/STARTTLS (SSL/TLS)

Note

About mail configuration:

- SMTP port
  Default to use port 25 without encryption, or using port 465 if SSL/TLS is used. Port 587 is mainly used for STARTTLS protocol mode.
  The STARTTLS protocol mode that is usually used by default when selecting TLS.
- User name
  User name of Outlook and Hotmail require full names, and other email require a prefix before @.

Appendix B. Input Types

Table B-1 Input Types

Input Types	Operations
Instant Zone	The system will immediately alarm when it detects triggering event after system armed. Audible Response Trigger the system sound and sounder. Voice Prompt: Zone X alarm.
Perimeter Zone	The system will immediately alarm when it detects triggering event after system armed. Audible Response: Trigger the system sound and sounder. There is a configurable interval between alarm and sounder output, which allows you to check the alarm and cancel the sounder output during the interval. Voice Prompt: Zone X perimeter alarm.
Delayed Zone	The system provides you time to leave through or enter the defense area without alarm. Audible Response: Trigger the system sound and sounder. Voice Prompt: Zone X alarm.
Follow Zone	The zone acts as delayed zone when it detects triggering event during system Entry Delay, while it acts as instant zone otherwise. Audible Response: Trigger the system sound and sounder. Voice Prompt: Zone X follow alarm.
24H Silence Zone	The zone activates all the time without any sound or sounder output when alarm occurs. Audible Response: No system sound (voice prompt or sounder).
Panic Zone	The zone activates all the time. Audible Response: Trigger the system sound and sounder. Voice Prompt: Zone X panic alarm.
Fire Zone	The zone activates all the time with sound or sounder output when alarm occurs. Audible Response: Trigger the system sound and sounder. Voice Prompt: Zone X fire alarm.

Input Types	Operations
Gas Zone	The zone activates all the time with sound or sounder output when alarm occurs. Audible Response: Trigger the system sound and sounder. Voice Prompt: Zone X gas alarm.
Medical Zone	The zone activates all the time with beep confirmation when alarm occurs. Audible Response: Trigger the system sound and sounder. Voice Prompt: Zone X medical alarm.
Timeout Zone	The zone activates all the time. The zone type is used to monitor and report the "ACTIVE" status of a zone, but it will only report and alarm this status after the programmed time has expired (1 to 599) seconds.
Disabled Zone	Alarms will not be activated when the zone is triggered or tampered. Audible Response: No system sound (voice prompt or sounder).
Key Zone	The linked area will arm after being triggered, and disarm after being restored. In the case of the tampering alarm, the arming and disarming operation will not be triggered.
Virtual Zone (Keypad/Keyfob)	The system will immediately alarm when it detects triggering event after system armed. Audible Response: Trigger the system sound and sounder. Voice Prompt: Buzzer beeps.
Tamper Alarm	The system will immediately alarm when it detects triggering event after system armed. Audible Response: Trigger the system sound and sounder. Voice Prompt: Zone X tampered.
Link	Trigger the linked device when event occurs. e.g. The output expander linked relays will be enabled when the control panel is armed.
Arm	When armed: Voice prompt for fault. You can handle the fault according to the voice prompt. • System sound for arming with card or keyfob. • Voice prompt for fault. You can handle the fault according to the voice prompt. • Fault event displays on client. You can handle the fault via client software or mobile client.

Input Types	Operations
	Voice Prompt: Armed/Arming failed.

Appendix C. Output Types

Table C-1 Output Types

Output Types	Active	Restore
Arming	Arm the control panel	After the configured output delay
Disarming	Disarm the control panel	After the configured output delay
Alarm	When alarm event occurs. The alarm output will be activated after the configured exit/enter delay.	After the configured output delay, disarm the control panel or clear alarm
Zone Linkage	When alarm event occurs, the linked relay will output alarm siganl.	After the configured output duration
Manual Operation	Enable relays manually	Over the triggering time or disable the relays manually

Appendix D. Event Types

Table D-1 Event Types

Event Types	Custom	Default 1 (client software notification)	Default 2 (alarm receiving center 1/2)	Default 3 (mobile client)	Default 4 (telephone)
Alarm and Tamper	×/√	√	√	√	√
Life Safety Event	×/√	√	√	√	√
System Status	×/√	√	×	×	×
Panel Management	×/√	√	×	×	×

Appendix E. Access Levels

Level	Description
1	Access by any person; for example the general public.
2	User access by an operator; for example customers (systems users).
3	User access by an engineer; for example an alarm company professional.
4	User access by the maintenance of the equipment.

Table E-1 Permission of the Access Level

Function	Permission			
	1	2	3[a]	4[b]
Arming	No	Yes	Yes	No
Disarming	No	Yes	Yes	No
Restoring/Clearing Alarm	No	Yes	Yes	No
Entering Walk Test Mode	No	Yes	Yes	No
Bypass(zone)/Disabling/Force Arming	No	Yes	Yes	No
Adding/Changing Verification Code	No	Yes[d]	Yes[d]	Yes[d]
Adding/Editing Level 2 User and Verification Code	No	Yes	Yes	No
Adding/Editing Configuration Data	No	No	Yes	No
Replacing software and firmware	No	No	No	Yes

Note

[a] By the condition of being accredited by user in level 2. [b]By the condition of being accredited by user in level 2 and level 3. [d]Users can only edit their own user code.

- The user level 2 can assign the login permission of the controller to the user level 3 or level 4 in the settings page.
- The user level 2 should assign permissions to the user level 3 if the user level 3 wants to login the controller remotely.
- When the controller is bypassed, the user level 3 can login the controller without the permission assignment of the user level 2.

- When the controller is bypassed, the user level 3 can login the controller without the permission assignment of the user level 2.
- The user level 4 can login the controller only when the user level 2 or level 3 has assigned permissions to the user level 4.

Appendix F. SIA and CID Code

Table F-1 SIA and CID Code

SIA Code	CID Code	Object	Description
MA	1100	Zone	Medical Alarm
MH	3100		Medical Alarm Restored
BA	1130		Burglary Alarm
BH	3130		Burglary Alarm Rstored
FA	1110		Fire Alarm
FH	3110		Fire Alarm Restored
HA	1121	Control Panel	Duress
HA	1122	Zone	Silent Panic Alarm
HH	3122		Silent Panic Alarm Restored
NA	1780		Timeout Alarm
BH	3780		Timeout Alarm Restored
PA	1120		Panic Alarm
PH	3120		Panic Alarm Restored
BA	1130		Burglary Alarm
BH	3130		Burglary Alarm Restored
BA	1131		Perimeter Alarm
BH	3131		Perimeter Alarm Restored
BA	1134		Entry/Exit Alarm
BH	3134		Entry/Exit Alarm Restored
TA	1137	Control Panel	Device Tampered

SIA Code	CID Code	Object	Description
TR	3137		Device Tamper Restored
GA	1151	Zone	Gas Leakage Alarm
GH	3151		Gas Leakage Alarm Restored
AT	1301	Control Panel	AC Power Loss
AR	3301		AC Power Restored
YT	1302		Low System Battery
YR	3302		Low System Battery Restored
RN	1305		Control Panel Reset
YM	1311		Battery Fault
YR	3311		Battery Fault Restored
ES	1341	Module	Expander Tampered
EJ	3341		Expander Tamper Restored
TA	1334	Repeater	Wireless Repeater Tampered
TR	3334		Wireless Repeater Tamper Restored
TA	1321	Siren	Wireless Siren Tampered
TR	3321		Wireless Siren Tamper Restored
UY	1321		Wireless Siren Disconnected
UJ	3321		Wireless Siren Connected
\	\	Control Panel	Telephone Line Disconnected
\	\		Telephone Line Connected

SIA Code	CID Code	Object	Description
TA	1383	Zone	Detector Tampered
TR	3383		Detector Tamper Restored
OP	1401	Area	Disarming
CL	3401		Away Arming
OA	1403		Auto Disarming
CA	3403		Auto Arming
SC	1406		Alarm Clearing
1409	CS		Keyswitch Zone Disarming
3409	OS		Keyswitch Zone Arming
CL	3441		Stay Arming
CT	1452		Late to Disarm
CD	1455		Auto Arming Failed
BB	1570	Zone	Zone Bypassed
BU	3570		Zone Bypass Restored
TS	1607	Control Panel	Test Mode Entered
TE	3607		Test Mode Exited
LB	1627		Enter Programming
LX	1628		Exit Programming
\	\	Zone	Line Crossing Alarm
\	\		Line Crossing Alarm Restored
\	\	Channel	Area Entry Alarm
\	\		Area Exit Alarm
\	\		Fire Source Alarm
\	\		Fire Source Alarm Restored
\	\		High Temperature Warning

SIA Code	CID Code	Object	Description
\	\		High Temperature Warnig Restored
\	\		Low Temperature Warning
\	\		Low Temperature Warnig Restored
\	1158		High Temperature Alarm
\	3158		High Temperature Alarm Restored
\	1159		Low Temperature Alarm
\	3159		Low Temperature Alarm Restored
PA	1120	Control Panel	Keypad/Keyfob Panic Alarm
FA	1110		Keypad/Keyfob Fire Alarm
CI	1454	Area	Arming Failed
DK	1501	Keypad	Keypad Locked
DO	3501		Keypad Unlocked
UY	1381	Zone	Wireless Detector Disconnected
UJ	3381		Wireless Detector Connected
XT	1384		Wireless Detector Low Battery
XR	3384		Normal Wireless Detector Battery
ET	1333	Module	Expander Disconnected
ER	3333		Expander Connected

SIA Code	CID Code	Object	Description
UY	1334	Repeater	Wireless Repeater Disconnected
UJ	3334		Wireless Repeater Connected
XT	1384	Siren	Wireless Siren Low Battery
XR	3384		Normal Wireless Siren Battery
NT	1352	Control Panel	Cellular Data Network Disconnected
NR	3352		Cellular Data Network Connected
NT	1352		SIM Card Exception
NT	1351		Wi-Fi Communication Fault
NR	3351		Wi-Fi Connected
XQ	1344		RF Signal Exception
XH	3344		Normal RF Signal
NT	1352		Network Flow Exceeded
XT	1384	Keyfob	Low Keyfob Battery
XR	3384		Low Keyfob Battery Restored
NT	1351	Control Panel	IP Address Conflicted
NR	3351		Normal IP address
NT	1351		Wired Network Exception
NR	3351		Normal Wired Network
\	\		Sending Email Failed
\	\	Channel	Network Camera Disconnected

SIA Code	CID Code	Object	Description
\	\		Network Camera Connected
\	1306	Zone	Detector Deleted
\	3306		Detector Added
\	1306	Module	Expander Deleted
\	3306		Expander Added
\	1306	Repeater	Wireless Repeater Deleted
\	3306		Wireless Repeater Added
\	1306	Siren	Wireless Siren Deleted
\	3306		Wireless Siren Added

Appendix G. Communication Matrix and Device Command

Communication Matrix and Device Command

Scan the following QR code to get the device communication matrix and device common serial port commands.
Note that the matrix contains all communication ports of Hikvision security control devices.

Figure G-1 QR Code of Communication Matrix and Device Command

User Privacy Statement

- The debug or zhimakaimen command is used to control access to the file system to ensure device security. To obtain this permission, you can contact technical support.
- The device has admin, installer, maintenance, operator account. You can use these accounts to access and configure the device.

Table G-1 User Privacy Information Description

Password	The password for the device account, used to log in to the device.
Username	The username for the device account, used to log in to the device.
Device IP and port	The device IP and port are used to support network service communication. For details, refer to *Communication Matrix*.
Log	Used to record information such as device operating status and operation records.
Database information	Used to record information.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