Powertech®

USER MANUAL

PT-1090

Wiring Diagram

Power supply

The power supply is DC15V/2.5A switching power

a. Use 12VDC, 7Ah sealed lead-acid battery, and replace it every 3-5 years.

b. A standard system with a keyboard power consumption of 180mA can support 24 hours.

c. When using without siren, connect a 2.2K resistor to clear the siren fault.

d. The total power supply demand of the keyboard, auxiliary power supply, siren, etc. does not exceed the maximum power of the host.

e. The maximum charging current of the battery is 350mA.

f. When using wired/bus defense zones, you need to set the defense zone attributes in the defense zone attribute settings.

Warning: ***Please insert SIM card before installation, then power on.***

Wired Siren Wiring Instructions

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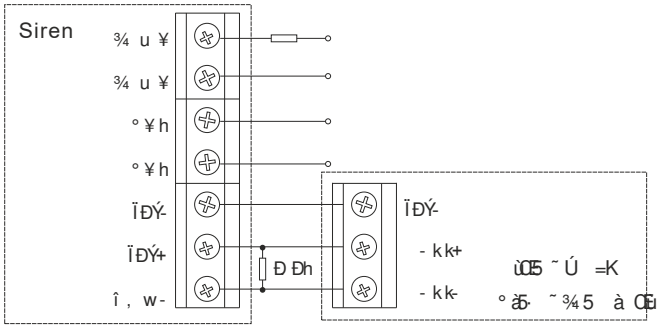

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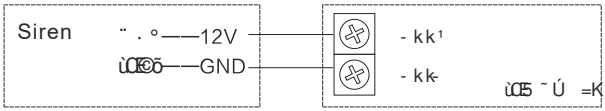

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Foreword

Congratulations on your obtaining a set of reliable and multi-functional security products that have been tempered and passed a variety of certifications.

PT-1090 is an intelligent anti-theft alarm control panel that integrates anti-theft, fire prevention and gas leakage prevention, and is compatible with wired and wireless alarm methods. Remote operation through the Internet, mobile phone APP, CMS, etc. greatly facilitates the user's control of security information.

The PT-1090 also uses the most advanced international BUS zone coding technology and multi-digit random code hopping technology in terms of safety and reliability, which effectively avoids the interference and false alarms that are difficult to solve by the current similar systems. The PT-1090 supports the international SIA-2013 network GPRS in the alarm signal transmission mode, and also adopts the high-speed Contact ID format commonly used in the world, which makes the system more widely used and more compatible. This system can be widely used in family districts, villas, shops, enterprises and institutions and so on. In order to better use this product, please read this manual before use.

This manual has been checked in detail by the technicians, such as product upgrades and changes without notice.

Warning:

A.Do not disassemble or modify, otherwise it may cause danger and cause damage to the machine.

B.Do not put other objects into the machine. Metal objects, water and flammable objects are all prone to short circuit or fire.

C.To avoid injury, do not drop the machine or subject it to strong impact.

D.Do not install the machine near a magnetic field, it may cause unstable operation.

E.Keep dry and clean. Do not set it in a place with oily smoke or steam, high temperature or a lot of dust.

F.Avoid high temperatures. Please do not install the unit near a heater or other high-temperature equipment, such as near a spotlight; also do not place it in a place that is easily exposed to direct sunlight, otherwise it may cause color fading. When cleaning, please wipe with a soft cloth. To remove dirt, you need to use detergent solution. Wipe after wringing out.

G.Never use chemicals such as gasoline or paint thinner, otherwise it may cause damage or paint peeling.

Features

§Can be divided into 4 independent areas, with 32 wireless zones, 8 wired zones, 56 expansion zones can be expanded by bus port (including 24 keyboard expansion zones and 32 bus zones), 32 single-bus zones, total support 128 zones.

§The device has 1 web administrator account, 1 system administrator password, 1 main user, and 32 ordinary users. In addition to the system administrator password, other accounts can log in to the web page to access the host.

§Support 8 remote controls, 4 two-way wireless siren, 8 keyboards, 32 appliance switches.

§Support 2 network alarm receiving platforms and 2 telephone alarm receiving platforms, which can be set to backup mode and dual alarm mode

§Support 4 voice phones to send voice and text messages

§Support mobile APP remote control and alarm information push

§Timing arm and disarm: 4 groups of timing arm and disarm time, you can assign any one or several partitions to be effective.

▲Two SIM cards can be inserted, and the priority SIM card can be set.

Led instruction of network alarm platform

LED ON——Network is normal
Fast flashing——network failure
Flash once per second——connected 1 platform via network
Flash twice per second——connected 2 platforms via network
Flash once in 3 seconds——connected 1 platform via GPRS
Flash twice in 3 seconds——connected 2 platforms via GPRS

Panel led instruction

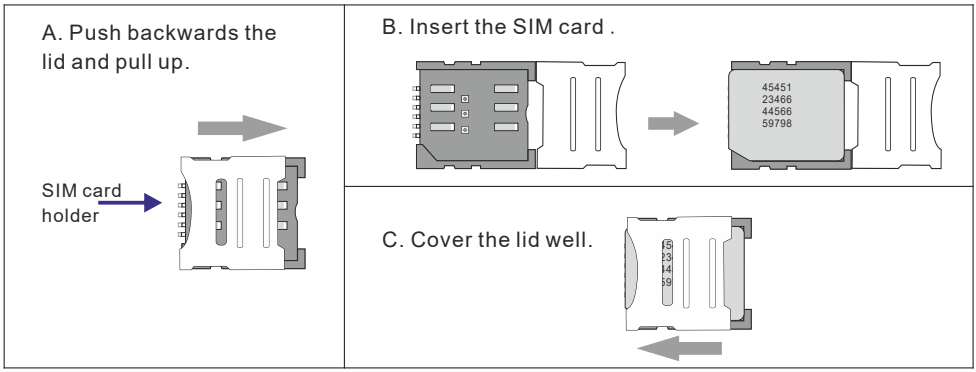
Arm and disarm status LED: Area 1, LED is always ON when armed, LED is OFF when disarmed, flash once every second when stay armed

Alarm LED: Area 1, flashes when alarming, LED always ON when zone fault, LED flashes once per second when AC or battery fault

Network LED: LED is always ON when the network is normal, LED is OFF when the network is fault, and LED falshes quickly when the network is connected to the platform.

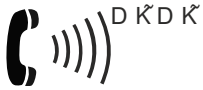
GSM status LED: LED flashes once in 3 seconds when GSM is normal, LED flashes once in 1 second when GSM is fault , and LED flashes quickly when GPRS connects to the platform.

Insert SIM card: The telephone card is Micro SIM .



Remote phone control

User call the phone # of the alarm panel



The alarm panel take the phone call after finish 7 times ringing(factory default is 7 times)

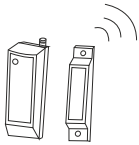
You will hear:
Enter password

Pls enter the user password 1234 (factory default)

Press 1 to arm area
Press 2 to disarm area
Press 3 to stay area
Press 4 to check area status
Press 7 to enable the intercom
Press 8 to listen in
Press 0 to hang up

Take alarm call from alarm panel

The alarm panel will call the user when alarm happens. see below diagram.



Door sensor send alarm signal

Alarm panel make alarm call

User pick up the alarm call

You will hear below voice guidance on the phone call.

Press 1 to cancel alarm
Press 2 to inquiry alarm event
Press 3 to arm area
Press 4 to disarm area
Press 5 to stay area
Press 6 to enable siren
Press 7 to disable siren
Press 8 to live monitoring
Press 9 to PGM control
Press 0 to hang up

GSM SMS remote control

Arm command:

Enter the sms command on phone | #PASSWORD:1234#ARMED AREA X

Disarm command:

Enter the sms command on phone | #PASSWORD:1234#DISARM AREA X

Stay arm command:

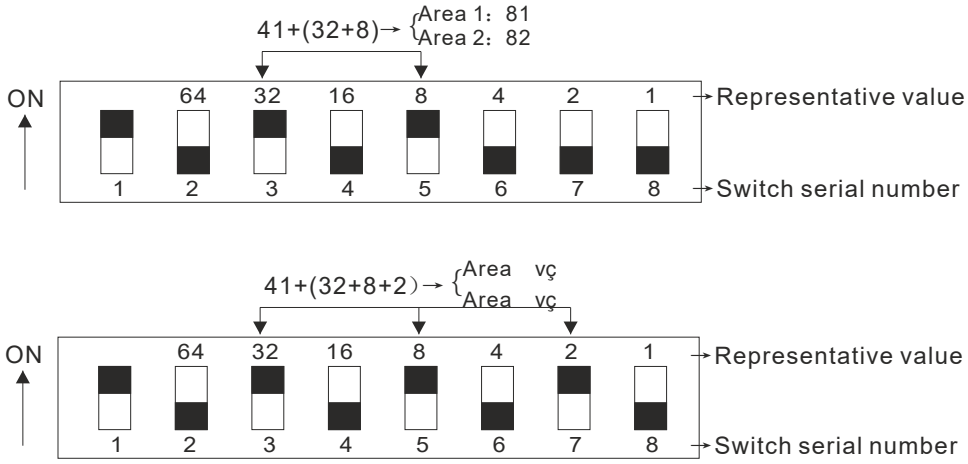
Enter the sms command on phone | #PASSWORD:1234#STAY AREA X

Note: X is the area #, from 1 to 4. Default use password 1234(no space). You will receive a reply sms message if the panel accept and proceed your SMS command.

FC-7602 Dual Zone Expansion Module

The starting zone number of the PT-1090 mainframe extended zone is 41.

DIP code example:



The black square " ■ " is the position of the dial.

1.PT-1090 is a dial-code address code dual-zone module, and the end resistance of the connected line is 10K.

2. The extended address range of the module is 41~96, and the defense zone type is disabled by default. When using it, the corresponding defense zone should be enabled.

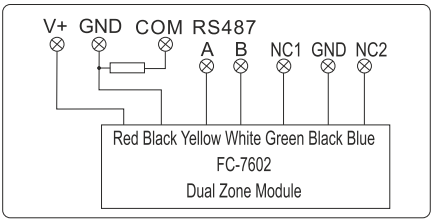
3. Wiring method: red wire (DC+), black wire (GND), yellow wire (RS487A),

white wire (RS487B), green wire (NC1), black wire (GND), blue wire (NC2).

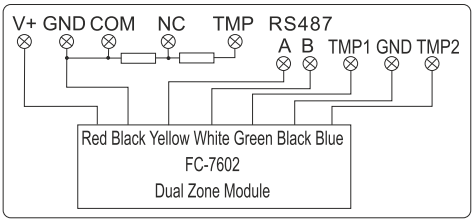
4. Operating voltage range: DC8.5~24V.

5. The 1st bit of the DIP switch is the tamper detection switch, ON turns on the tamper detection, OFF means the tamper detection off; 2~8 are the address bits, ON is valid, OFF is invalid, the address calculation method is binary, For example, the address of defense zone 1 is 81: the dial code of positions 3 and 5 needs to be dialed to the ON position, and the address of zone 2 is 82.

The set defense area 1 address is the dial code value + 41, and the defense area 2 address is the defense area 1 address + 1.

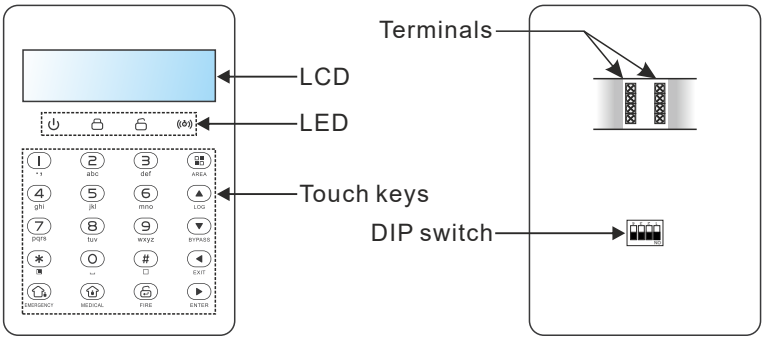


NO TAMPER



TAMPER

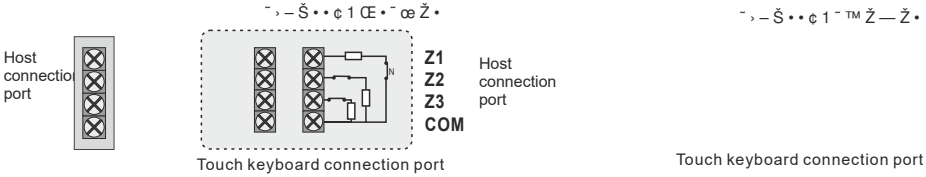
Keypad instructions



) URQW LHZ 5HDU LHZ

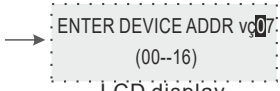
Wiring instructions

Please follow the wiring diagram below to connect.



Keyboard address setting

After accessing the new keyboard, the keyboard shows that no address has been set. Please press and hold for three seconds when disarmed and in the standby state to enter the keyboard address setting. Up to 8 keyboards can be added. For example: add keyboard as address 07.



LCD display

Function button

Icon	Meaning	Instructions
	Arm	The button can set arm multiple partitions at one time, and can also arm individual partitions separately.Press and hold for 3 seconds for emergency alarm
	Stay	The button can set multiple partitions to stay status, and can also set stay on a single partition.Press and hold for 3 seconds for medical care
	Disarm	The button can disarm for multiple zones ,or disarm the individual zones individually. Press and hold for 3 seconds for fire alarm
	Area	With Arm, Disarm, Stay to operate on a single Area.
	Up arrow	Select upward；long press for 3 seconds to increase the Volume; event record query
	Down arrow	Down select； long press for 3 seconds to decrease the Volume
	return key	Return to previous menu/exit menu
	Enter key	Enter options

Led lights

Icon	Meaning	Instructions
	Power Indicator	On - normal power supply; Flash - AC power failure; Slow flash - battery failure; Off - AC and battery failure
	Arming indicator	On - all partitions in the management area; Flash - partition alarm; Slow flashing - Partial arming and disarming of managed zones
	Disarm indicator	On - all administrative divisions are disarmed; Flash - The zone of the managed zone is faulty. Slow Flash - Partition Zones Managed By Bypass
	Fault indicator	On - configuration parameter check error; Flash - platform connection and communication failure; Slow flash - network, GSM, PSTN failures; Off - No failure

One-key arm: Press / , or press Area No. + / **Instant Arm:** * + / , or user password+ + Area No.

Event logs: Press ▲ in the standby mode to view the event log, Up to 800 event records can be stored cyclically.

Enter the bypass zone: ▼ the keyboard will display the bypassed zone after the zone is bypassed, Only the zone belonging to the password management zone can be bypassed. Only one keyboard is allowed to enter the bypass setting at the same time. When one keyboard is in the bypass setting state, an error will be prompted when the other keyboards try to enter the bypass setting, But when there is a higher authority request, if you enter the system setting, it will exit the bypass setting

Zone bypass: User password+ ▲ ; the zone can be bypassed only when the password has full control authority of the zone.

Bypass group: Main user password+ * + ▼ +[1-4] (area) +

Recording: [012345]+ +[8]+ enter the recording control interface, Press # to start recording, Press * to stop recording, When you stop recording, press to exit the recording interface, and it will automatically exit if there is no operation for 10 seconds.

Recording playback: When the voice call is answered, the recording will be played automatically, and then the operation prompt tone will be played.

Version display and device scan: [012345]+ +[9]+ display the system version and rescan the new devices added by the keyboard terminals.

Keyboard key tone adjustment: in the standby mode, long press / , the keyboard emits a "di~di~" sound to increase/decrease a volume.

Forgot password: 1 minute after the system is powered on, the defense zone will not alarm. Wait for the detector to initialize. Enter [000000]+ +[0]+ on the keyboard, or log in with the password “000000” on the web page to repair the user’s forgotten password.

Note: Area 1 is the main area. When area 1 is disarmed, the device can enter the setting state. Only when the keyboard has the authority to manage area1 can enter the system setting.

Public zone

When a zone belongs to multiple areas, this kind of zone is called a public zone, which is mainly used in shared passages and other places. The public zone will only alarm when the zone where it is located has alarm conditions, and when it is a delayed zone , If any area it belongs to cancels the alarm, the other areas it belongs to will also cancel the alarm; and if the zone alarms, all the areas it belongs to will alarm.

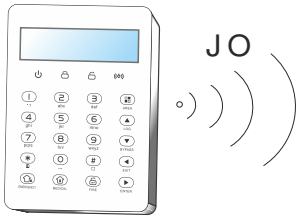
（**1**）The public zone will only alarm when all the areas it belongs to have its alarm conditions.

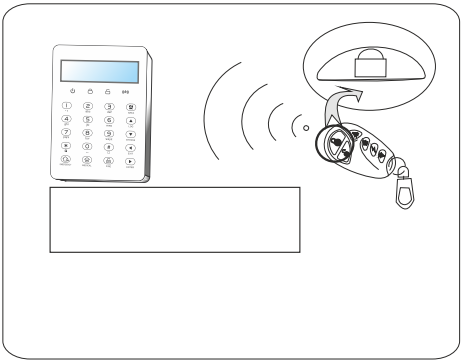
（**2**）Based on the reason (1), it is not recommended to set the public zone as an internal zone. It is better to set it as a delayed zone. When set to a delayed zone, the exit delay will only expire after the last operation arming zone exits and the public zone for unrecovered areas alarms, the last operator will handle the failure without affecting other area users. When the entry delay is triggered, all areas where it is located will be in the entry delay alarm. Before the delay ends, If any zone where the system is located is disarmed, the zone that is in the entry delay alarm caused by the public zone will cancel the delay alarm. Otherwise, when the delay is over, all zones where the public zone is located will alarm.

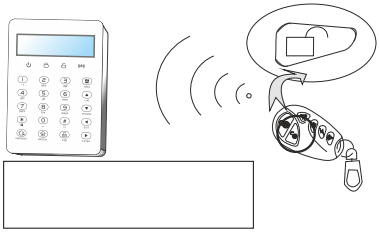
Duress password

When you enter the duress password, you will trigger an duress alarm. If enter duress password When the system is under arm status, keypad will display system is disarmed, stop siren but send alarm info and alarm call.
（pls set the CMS phone # and follow me phone #）

Example, A arm the system, B enter the area and trigger alarm, B threaten A disarm the system. A enter the duress password. The alarm panel will show disarm status but will send alarm info can call.







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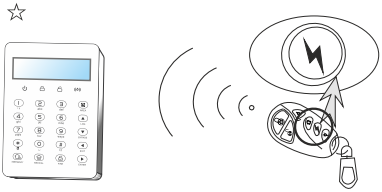

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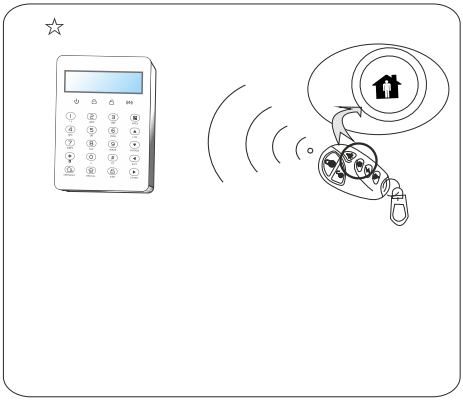
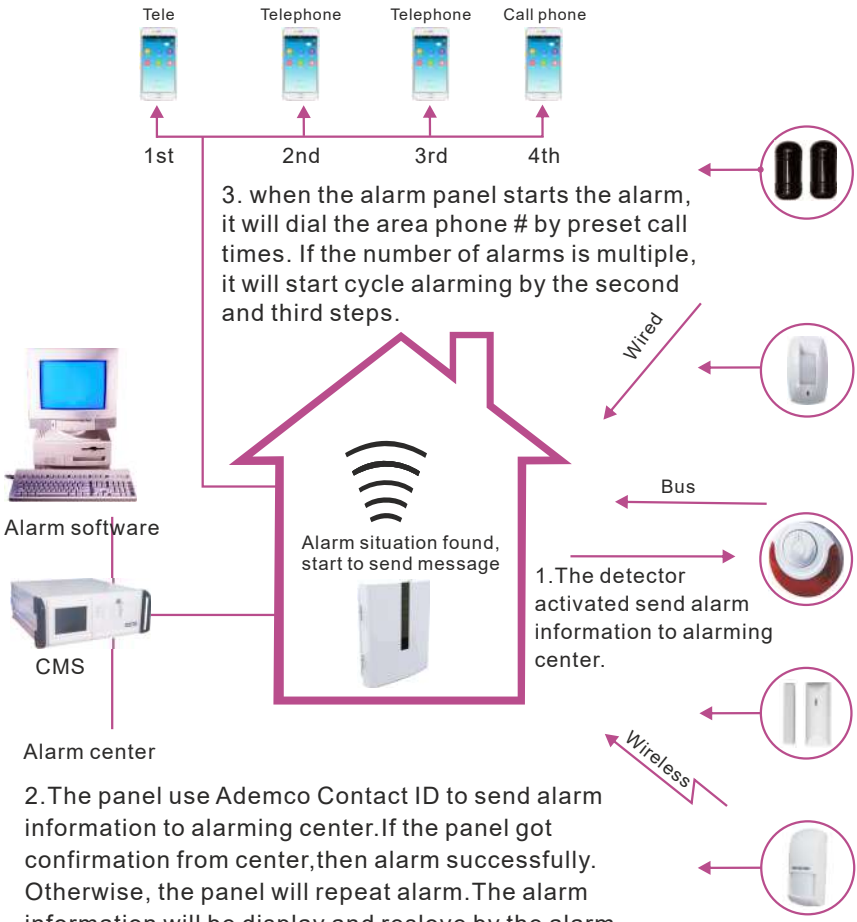
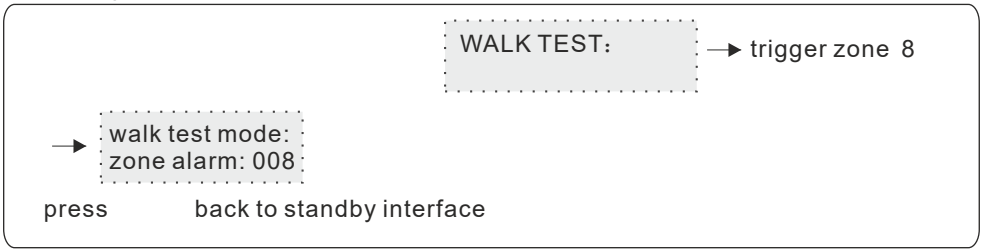


Alarm procedure



Pls make the below test before installation.
Communication test: main user password+∗1#;
battery test: main user password+∗2#.
Siren test: main user password+∗3#
Walk test: main user password+∗4#(disarm all area before start walk test)

4)Walk test
example: walk test at zone 8



5) Wireless switch management

The wireless switch can realize the alarm linkage output with the corresponding defense zone, and 32 wireless switches can be set.

Programmable output

According to the set state parameters, when a specified event or state occurs, the programming output port voltage changes from 0V to 12V. 1 PGM output ports can be set. Set the trigger event on the web (* 1 RWH KWLV PDFKLQH GHV QW XVSSRUW HOWSKRQH OLQHV), as follows:

1.2 Set main user password

Please refer to user setting I

1.3 Set user password

User password is 4~6 digits. E.g Set user password no. 03 as 0000

+[3]+

2.2 Set IP

Factory default IP: 192.168.1.200

Tips*vç*If DHCP is enabled, then it is not able to set IP here.

E.g. Set IP as “192.168.1.81”, we need to enter “192168001081”in the keypad. User need to add “0” to make 3 digits if not enough.After set, please power off the central panel and restart to make the IP effective.

+ [2]+

2.4 Set subnet mask

E.g. Set subnet mask as 255.255.255.0

+ [2]+

+ [3]+

3.2 CMS platform

+ [3]+

+ [3]+

+ [5]+

+ [06] +

+ [2] +

+ [5] +

5.8 Door sensor check

When the door sensor is open, the panel will display zone trouble(default value is disable), example: set door sensor check to be enable.

+ [8] +

6.1.1 Enroll remote

Example: enroll remote to the #2 remote in alarm panel

6.1.3 Delete remote

Example: delete #3 remote

6.2.2 Detector code

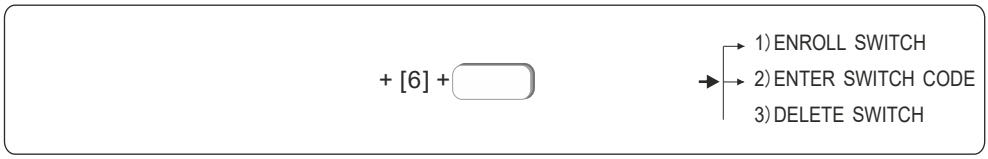
Example: manually enter the address code of detector 129110107 to be #3 detector in alarm panel.

+ [03] +

+ [03] +

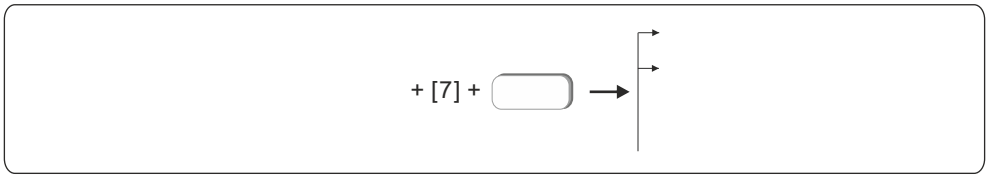
6.3.1 Enroll siren
Example: enroll siren to #2 siren in the alarm panel

6.4 RF switch



+ [02] +

7. Set system zone



When the common zones set off alarm. All users in related area will receive notification.

but there is an exception. When one area is with arm deleay setting. The other areas are armed, but the area which with arm delay time not finish yet. During this period, common zone triggered. Other zones will set off alarm, the area with delay settimg will set of alarm untill delay time is finished.

The zone supports naming. After the zone is named, the short message and keyboard will display the name.

7.1 Set zone type

The options of zone types as below

0>DISABLE	1>DELAY 1	2>DELAY 2	3>PERIMETER
4>INTERIOR	5>EMERGENCY	6>24H	7>FIRE
8>WATER SENSOR		9>Key zone	

1. The zone type refers to the alarm type displayed by the host after the detector set in the zone alarms. When the zone type is 0, the zone disable. Triggering the zone in any state will not cause the host to alarm.

2. The alarm will only be triggered when the internal zone is in the armed state.

3. When the delay and perimeter zone is in the state of home arm, it will alarm when triggered.

4. In any state of emergency, 24-hour, or fire protection zone, it will alarm when triggered.

5. The wireless zone does not support key zone type. When the wired zone is set as key zone, the host will disarm if the zone is triggered. Mainly used for access control systems.

6. The key zone is only applicable to 1~8 wired defense zones.

Factory default value:

Wireless zones 1-32 are enabled, wired zones 1-8 are disabled, 00 is the system zone, and 137-140 is the wireless siren zone.

+ [2] + [ ]

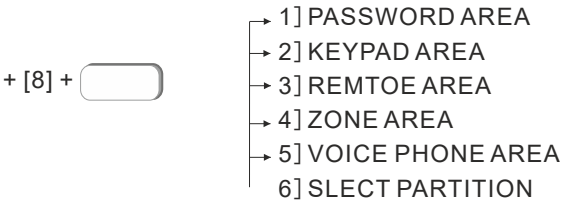
ENTER ZONE: 001

7.3 Doorbell tone set. Default is disable
Example: set zone #12 doorbell type as enable.

+ [3] +

ENTER ZONE #: 001
(001--128)

8. Set system area



8.2 Keypad area (default value is area 1)

The keypad only display the assigned area information. Example: set keypad 1 to mange area 2

+

ENTER KEYPAD #: 1
(1--8)

+[4

ENTER ZONE：001
(001--128)

+[6

ENTER SERIAL NO.: 1
(1--4)

+ [ ]

ENTER ZONE NO.: 01
(01--08)

9. 3. 1 SIM card priority setting

The SIM card to be used first when enabling the SIM card network, making calls, sending text messages and other functions.

The default is SIM card 1 priority.

Example: set SIM card 2 priority.

+

SET DEFAULT SIM: 1
1>SIM 1 2>SIM 2

9.4 Timing arm/disarm

+ [9] +

1>TIMING ARM/DIS.1
2>TIMING ARM/DIS.2
3>TIMING ARM/DIS.3
4>TIMING ARM/DIS.4

9. **5**. **1 Device status**: After entering the device number, click "#" to query the device status.

Device information query:

+ [9] +

+ [9] +

+ [9] +

10.Advanced set.

Without voice prompt,programme address and the corresponding options as below:

001--System Language	1
002-- Ring Times	0~15
003--Communication Test Time	0~999S
005--Wireless Detector Tamper	2
006--Arm/Disarm Siren Short Sound Tone	1
007--Web Port	0~65535
008-- Limit of Alarming Times	1
009--One-key Arm	1
010--First Communication Detection Time	0~23 S
011--CMS Connection Mode	2
012--CMS Heartbeat Time	1~60S
013--SIA Platform Connection Mode	1
014--Platform Heartbeat Time	1~9999S
040--DTMF interval time	50-200mS
041--DTMF duration	50-200mS
100--GSM Module Signal	0~32
200--Restore to Factory Default	1
900--Event_delay	15
901--Event_perimeter	15
902--Event_interior	15
903--Event_emergency	15
904--Event_24hour	15
905--Event_fire	15
906--Event_SOS	15
907--Event_water	15
908--Event_panicv	15
909--Event_tamper	15
910--Event_arm	13
911--Event_disarm	13
912--Event_home	13
913--System_low_bat	13
914--System_ac_fault	13
915--System_ac_ok	13

916--Alarm_cancel	13
917--Detector_low_bat	13
918--Detector_bat_ok	13
919--Wireless_loss	13
920--System_programme	13
921--Arm_fail	13
922--Comm_test	13
923--Event_bypass	13
924--Sys_bat_recovery	13
925--Sys_comm_fault	13
926--Bypass_cancel	0
927--Comm_recovery	0
928--Loop_fault	0
929--Loop_recovery	0
930--Bell_fault	15
921--Bell_recovery	15
932-- Event_duress	15
933--Delay_recovery	0
934--Perimeter_recovery	0
935--Interior_recovery	0
936--Emergenc_recovery	0
937--Hour24_recovery	0
938--Fire_recovery	0
939--SOS_recovery	0
940--Tamper_recovery	0
941--Wls_loss_recovery	0
942 --Pstn_fault	13
943 --Pstn_recovery	13
944 –Module Removed	13
945--Water_recovery	13
946--Password Error	13
947--Program Entry	13
948--Program Exit	0
949--Bat_loss	13
950--Bat_loss_recovery	13
951--Bat_fault	13
952--Bat_fault_recovery	13

+

II.Web IE introduction

Enter the System setting of host, set the IP address and gateway in the network settings.

1. Access to the host

Users can use the web administrator account, primary user account and general user account to log in the web page. Different account types have different permissions. Web administrator account has the highest permissions, while primary user account has partial permissions.General user account can only set permissions for arm and disarm. 32 general user accounts can be set by web administrator or primary user.

Method 1: Open Google Chrome and enter the 12-digit IP address of the host in the address bar and press Enter to confirm;

Method 2: Enter http://meian_panel to log in.

Enter the user name and password in the pop-up dialog box and click OK.

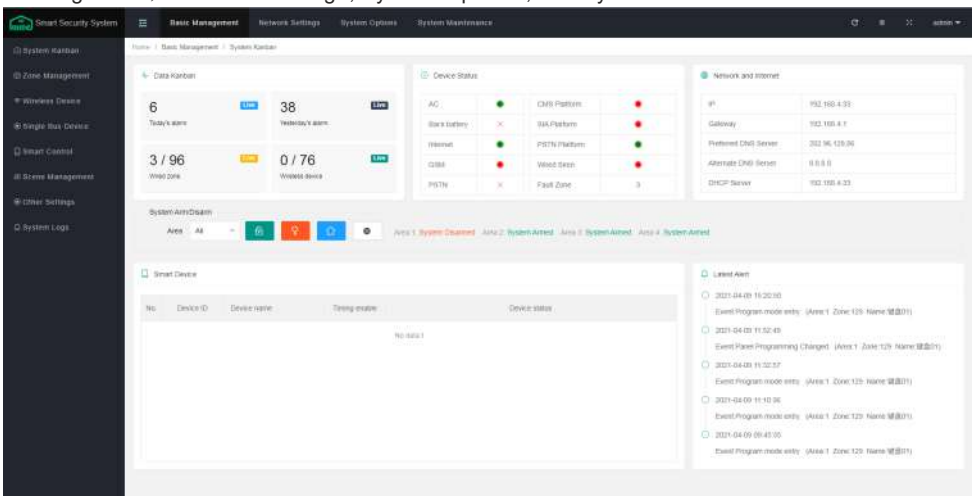
Both the user name and password are the factory default settings. If there is any change, please refer to the change.

Web administrator account: admin ; Password: admin;

Master user account: need to input the value you set , Password: 1234;

General user account: need to input user account you set , Password: 1234

The browser opens as shown in the figure below. The web page settings include Basic Management, Network Settings, System Options, and System Maintenance.



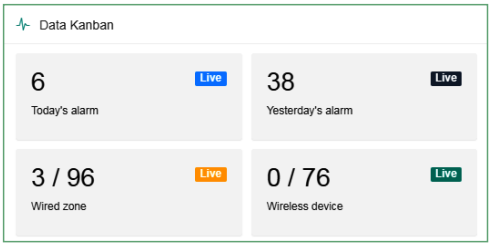
2. Basic management

2.1 System Kanban

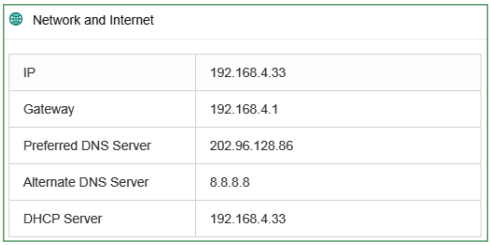
System Kanban can view real-time data of Device Status, Network and Internet, System Arm/Disarm, Smart Device, Latest Alert, etc.

Data Kanban: Display the real-time data of Today's alarm, Yesterday's alarm , Wired zone, and Wireless device.

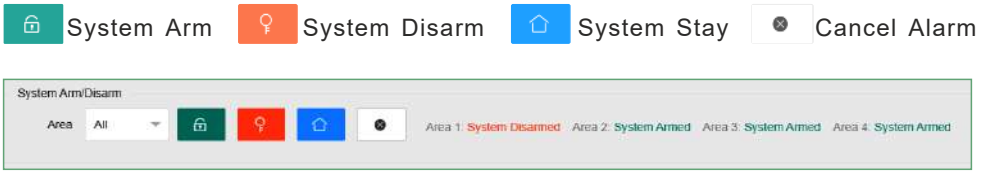
Device Status: the connection status of AC , Platform, Back battery, etc. The green circle means connected, the red circle means fault, and "X" is the unsupported item of the device.



Network and Internet: Current Network IP address and Gateway information.



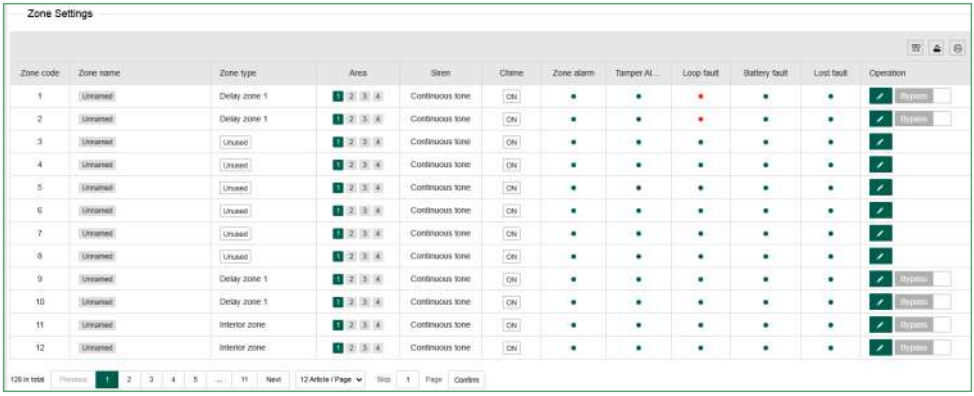
System Arm/ Disarm: Select the Area and click the Arm/ Disarm icon to arm /disarm the area.



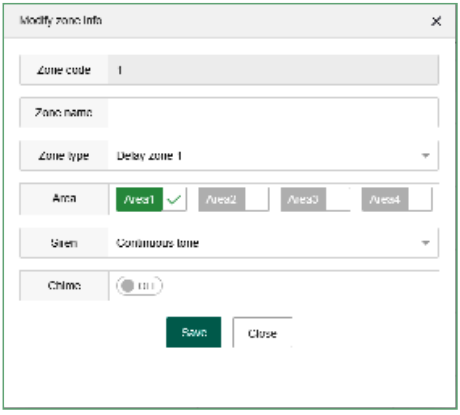
2. 2 System management

The added zones can be set here: 1-8 are wired zones, 9-40 are wireless zones, 41-96 are extended zones, 97-128 are single-bus zones. Red“ ● ”means fault, and green “ ● ”means the fault is already cleared.

Bypass: Refers to temporarily failing the zone when Arm, so that it can cancel the alert state. After the zone is disarmed, the zone will be restored to the normal zone. When the zone fails, in order not to affect the use of the system, the zone can be set as a bypass zone.



Click the icon “ ”to make settings.



Zone code: The zone number of the device, and the wired zone number corresponds to the terminal number of the wired zone of the host;

Zone name: Please set by yourself;

Zone type: Please refer to "7.1 Zone Attribution Setting" on page 30;

Area: A zone can be assigned to one or more areas. For the relationship between zones and areas, please refer to manual "7. System Zone Settings";

Siren : Mute, Continuous tone, and Pulse tone can be selected.

Chime: When the alarm is triggered, the host will emit two “dingdong” sounds;

After setting, click "Save" to take effect, and click "Close" to not save.

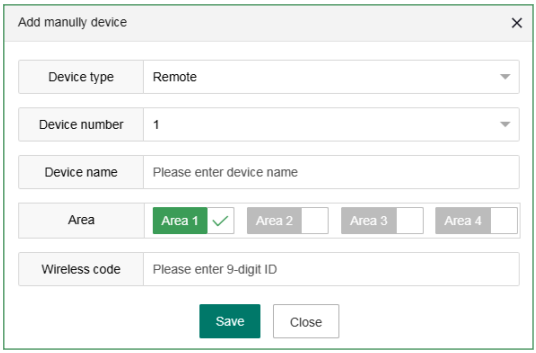
2.3 Wireless device

Auto search: Click “Auto search” to trigger the wireless device to automatically check the code. Note that the trigger of the wireless device must be within 30 meters from the host;

Add manually: Manually enter the 9-digit address code of the wireless device to add.As shown in the figure, the device type includes Remote, Detector, Electrical switch, and Siren.Set the Device number and Device name when adding, and check the area and enter the 9-digit wireless address code at the bottom of the device. For example, if you want to add Electrical switch, please select the corresponding switch channels. After setting, click “Save” to take effect. Click this icon ” to modify the device, click this icon ”

Filter column Export Print

Filter column: Display of chart items, which can display Device type, Wireless code, Device name, Area, Operation, and it will not be displayed if it is unchecked.

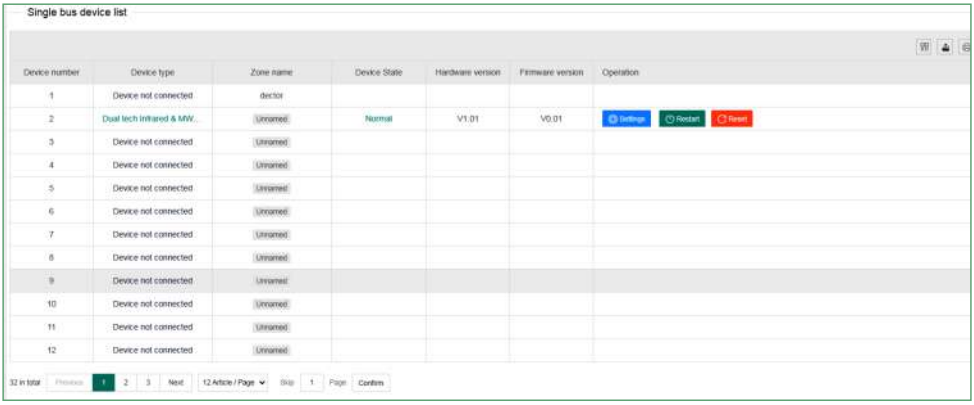


Export: Export the added device information to Excel format.

Print: Print out the added device information on paper.

2. 4 Single bus device

Please refer to the manual to set the connected single-bus device. Restart and Restore to factory settings need to enter the administrator password (The default is 012345).



2. 5 Smart control

Smart control means remote control and setting of wireless switch name and timing automatic switch. The device name can be modified in ″Wireless Device″. Other setting items can be directly clicked to modify or check, multiple loops can be timed, and the operation of the device is the operation（open or closed） performed during the time period.

2. 6 Scene management

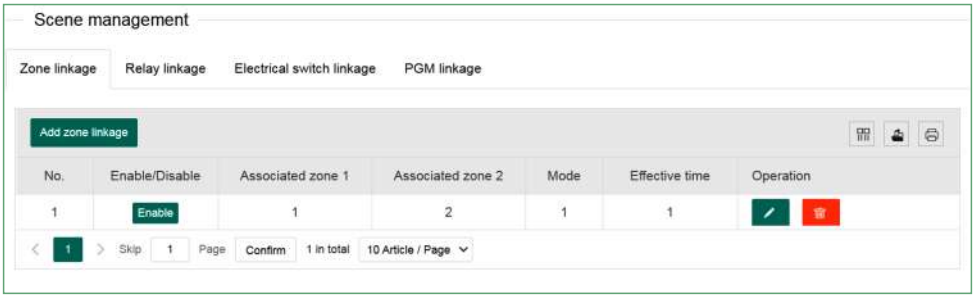
Scene management includes Zone linkage, Relay linkage, Electrical switch linkage, and PGM linkage.

Zone linkage: Set up two associated zones, and the alarm will only be triggered when two zones are triggered within the effective time.

Mode 1: No sequence. Alarm will be triggered within the setting time, when two zones are triggered at the same time.

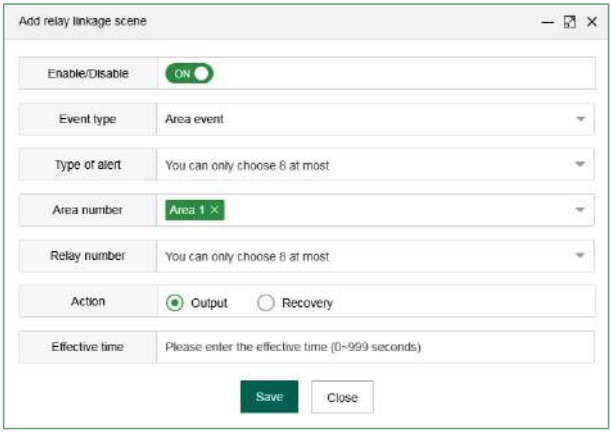
Mode 2: There is a sequence. Only when Zone 2 is triggered first, then Zone 1 is triggered within the setting time range, the alarm will be triggered. and it will not alarm if Zone 1 is triggered first , then zone 2 is triggered;

Mode 3: There are sequence and direction. Trigger Zone 2 and then trigger Zone 1, it will make alarm. Trigger Zone 1, and then trigger Zone 2 , the alarm is not triggered, and return to no alarm within the setting time range . For example: Zone 1 ª Zone 2 ª Zone 2 ª Zone 1.

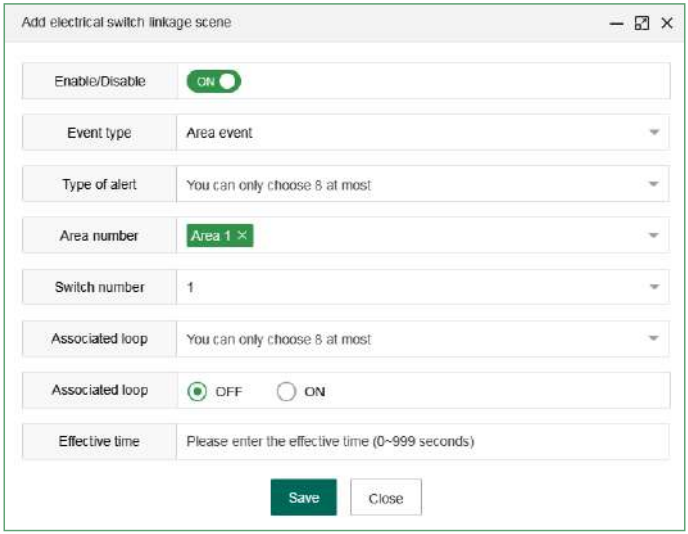


Relay linkage: The Type of alert you set is triggered within the effective time, and the relay in the alarm area performs an output or recovery action.

Click "Add relay linkage" to enter the interface on the right. The Event type can be divided into Area event, Zone event, and System event. Different Event type can choose different Type of alert. The Area number is the alert trigger area. Up to 8 relay numbers can be linked. Click "Save" after setting.



Electrical switch linkage/ PGM linkage: Triggering the setting alert within the effective time will execute the action of turning on or off of the electrical switch/PGM.



2.7 Other settings

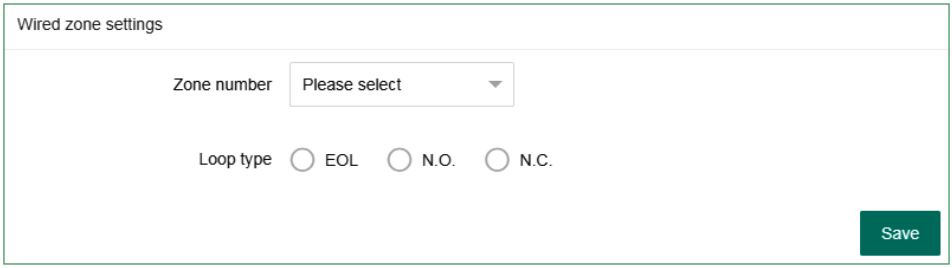
2.7.1 Wired zone settings

Wired zone loop type: EOL, N O N C And the default is EOL.

EOL When the resistance at the end of the line in the zone is 2 2K it is normal and the zone will alarm if it is open circuit or short circuit;

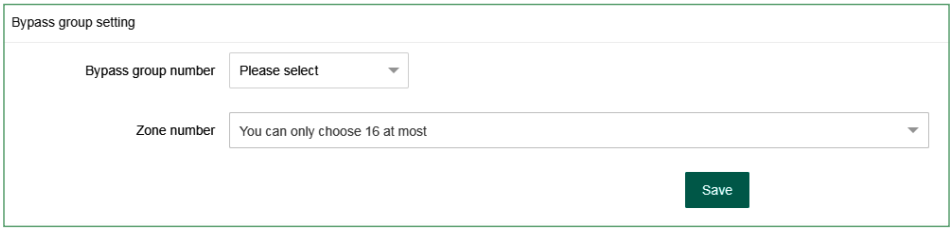
N O : the open circuit in the zone is normal, and it alarms when it is under the short circuit;

N C : the short circuit in the zone is normal, and it alarms when it is under the open circuit.



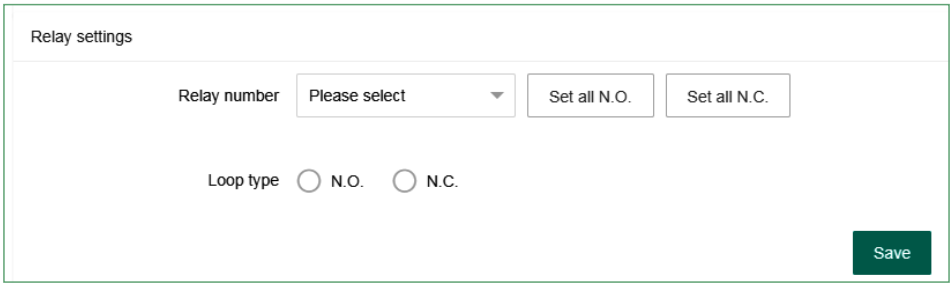
2.7.2 Bypass group setting

A bypass group can select up to 16 defense zones, and up to 8 bypass groups can be set. Click the drop-down window " © to select.



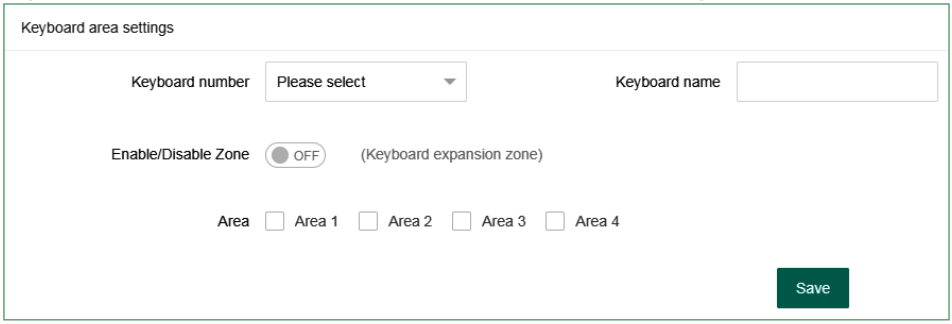
2.7.3 Relay settings

Relay circuit type: N. C. / N. O. mode can be selected, and the default mode is N. C.



2.7.4 Keyboard area settings

Assign the keyboard to one or more areas, then select the keyboard number. The keyboard name can be modified. Check the area, and click w[Savew\ to take effect.



2.7.5 Keyboard fault display

When the network cable or phone card is not inserted or not inserted properly, the keyboard display screen shows the Network fault, and the fault can be removed by inserting the network cable or phone card properly And you can also disable this fault in this setting and the keyboard display will not display the fault All display is turned on by default and the user must click Save after completing the settings

2.8 System log

The system log can query the system event records of the partition/zone/user, and can store up to 800 event records in a loop. Wireless remote control defense

System log

Clear all logs

No.	Area code	Zone code	Zone name	Alarm event	Alarm time
1	4	155	CMS/APP	Disarm	2021-04-09 16:25:25
2	3	155	CMS/APP	Disarm	2021-04-09 16:25:25
3	2	155	CMS/APP	Disarm	2021-04-09 16:25:25
4	1	155	CMS/APP	Alarm Cancel	2021-04-09 16:25:25
5	1	9	Door	Tamper	2021-04-09 16:25:19
6	1	129	Keyboard 01	Program mode entry	2021-04-09 15:20:50
7	1	129	Keyboard 01	Panel Programming Changed	2021-04-09 11:52:49
8	1	129	Keyboard 01	Program mode entry	2021-04-09 11:32:57
9	1	129	Keyboard 01	Program mode entry	2021-04-09 11:10:36
10	1	129	Keyboard 01	Program mode entry	2021-04-09 09:45:35
11	1	129	Keyboard 01	Program mode entry	2021-04-09 09:06:12
12	1	129	Keyboard 01	Panel Programming Changed	2021-04-08 17:37:39

242 in total Previous 1 2 3 4 5 ... 21 Next 12 Article / Page Skip 1 Page Confirm

area code: 141-148; main user keyboard defense area code: 170; common user keyboard defense area code: 171-202.

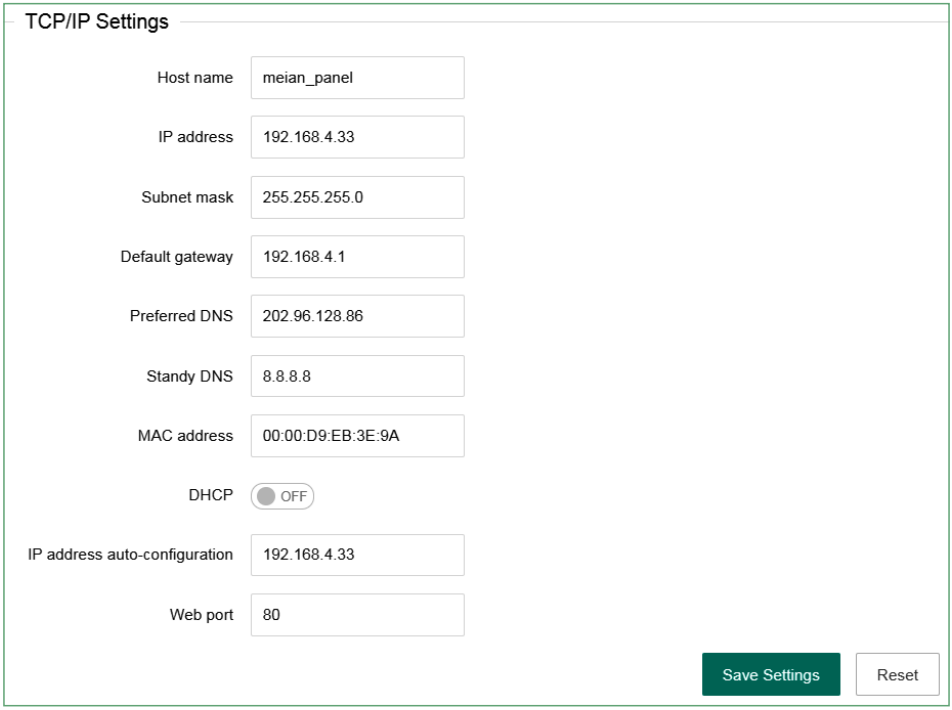
Defense zone code composition: 1-8 are wired defense areas, 9-40 are wireless defense areas, 41-96 are extended defense areas, 97-128 are single-bus defense areas, 129-136 are keyboard defense areas (keyboard emergency alarm or disassembly alarm), 137 -140 is the wireless siren defense zone (demolition alarm).

User operation number: 170 is the main user password, 171-202 is the user password 1-32, and 141-148 is 1-8 wireless remote control or wireless keyboard defense zones (emergency alarm, etc.).

3. Network settings

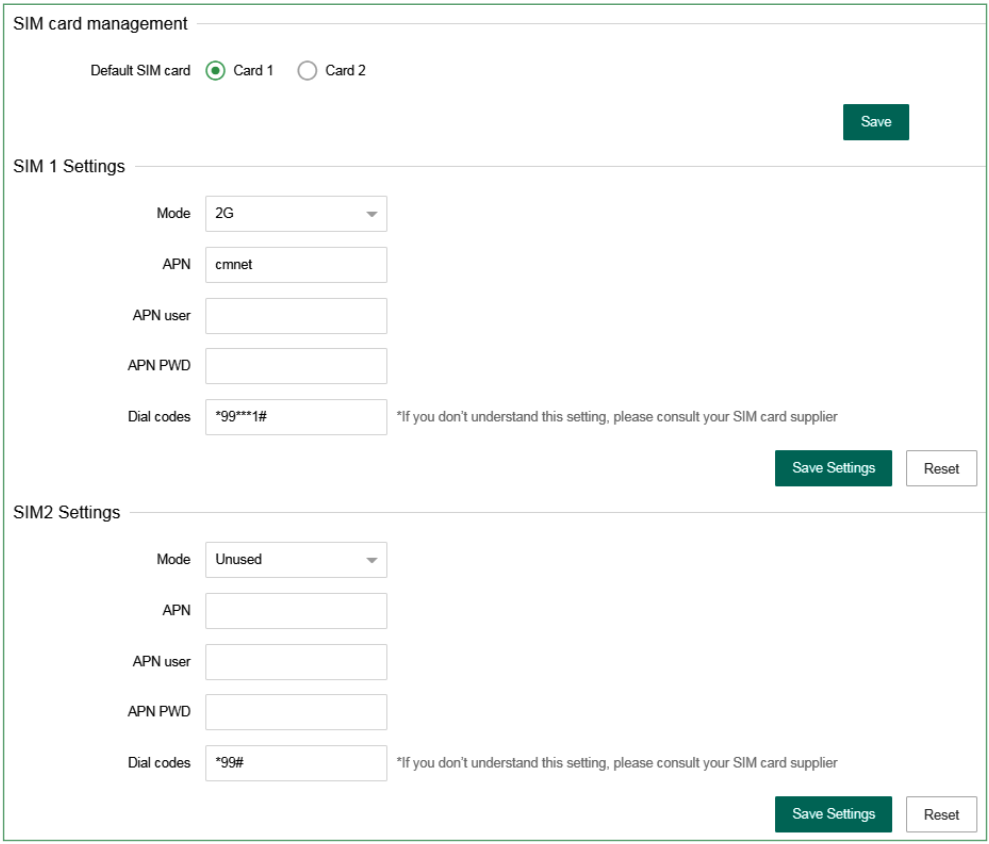
3. 1 TCP/IP settings

You can set the host name, IP address, subnet mask, default gateway and other information. The MAC address cannot be changed. If the DHCP function is enabled, the above information changes are invalid, and the host IP address is displayed in the automatically assigned IP address column.



3. 2 GPRS settings

This setting is for the host to use GPRS to access the network, and the default SIM card network will be used first. When the default SIM card fails, the backup SIM card network will be enabled. SIM card 1 is limited to 2G network, and SIM card 2 supports 4G network.This device does not support 5G currently. APN, APN user and APN Password are provided by the operator. Please click "Save" after setting.



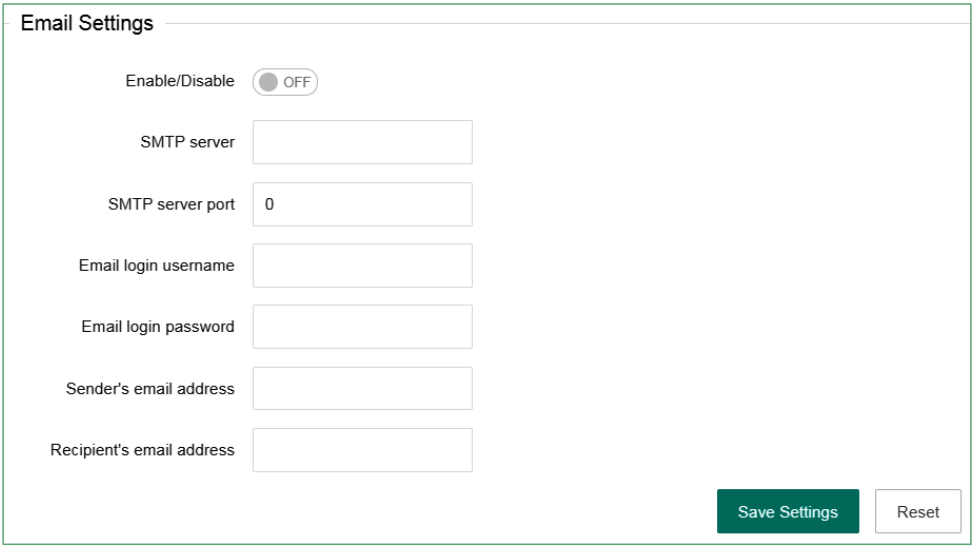
3. 3 Email settings

a. SMTP server: fill in the SMTP server address that you want to send mail correctly, if you use 163 mailbox, the SMTP server address is: smtp.163.com

b. SMTP port: The default is 25 (SSL encryption port is not supported temporarily)

c. Mailbox login password: the password or authorization code of the sending mailbox, please fill in according to the actual situation.

d. The sending mailbox needs to log in and enter the mailbox settings, and enable the SMTP mail. If it is not turned on, the mail cannot be sent.



3. 4 CMS platform

The IP of the alarm platform/registered platform can be set under this setting item, and the alarm information can be uploaded to the platform after it is turned on. If you choose to set manually, you need to apply for a registration ID before you can upload information.

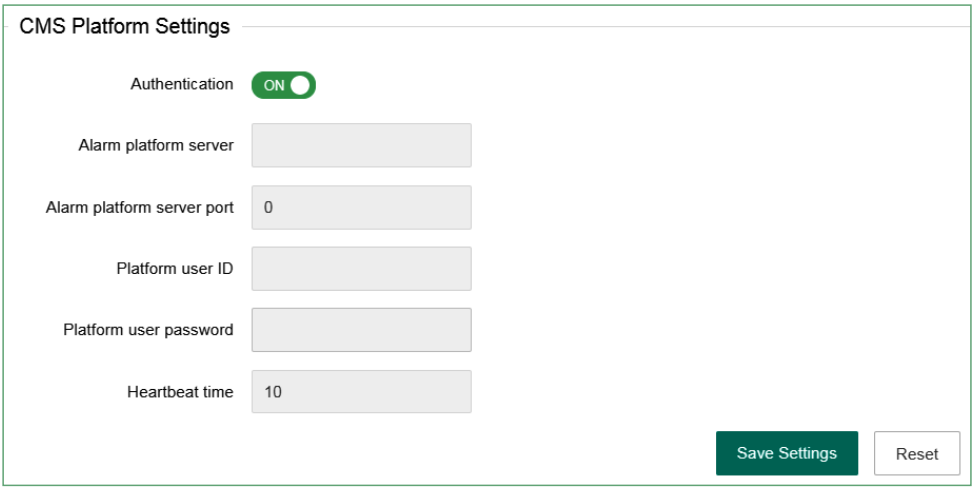
Authentication : After checking, automatically obtain the server address, port number, ID and other information and connect to the platform. Turn it on, click "Save Settings" and restart the device to go online on the CMS platform.

Turning on and off the platform will restart the device.

If you need to fill in manually, please turn off authentication first.

Alarm platform server and port: Fill in according to the server.

Heartbeat time: Refers to the time interval for the device to send a heartbeat message to the platform the last time it was sent.At every heartbeat interval, the device will send heartbeat information to the platform.After receiving the heartbeat information, the platform will record the time of receiving the heartbeat. If the heartbeat information of the device is not received for three consecutive heartbeat intervals, it is considered that the device is offline, and the offline time is recorded in the platform data.



3. 5 SIA platform

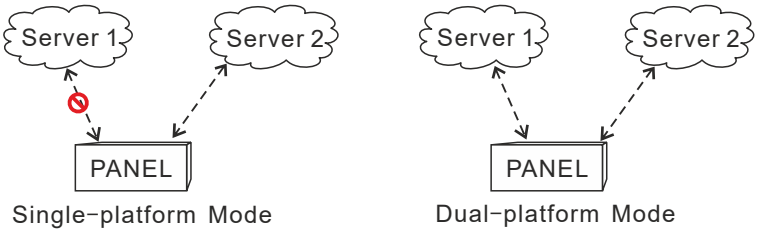
The alarm platform mode can be set to single-platform connection mode or dual-platform connection mode.

In Single platform connection mode, if the Main alarm platform is disconnected and reconnected more than 5 times, the host will start the Backup alarm platform connection. At this time, the Main alarm platform is still trying to connect. When the Main alarm platform is restored, the Backup alarm platform will actively disconnect. When the voice platform of the Main alarm platform is successfully sent, it will not be sent to the Backup alarm platform again.

In Dual platform connection mode, the host will connect to two platforms at the same time, and the alarm information will be sent to both platforms at the same time. When the network is abnormal, the host will start GPRS, and when the GPRS

is abnormal, the host will start GSM to send data.

After the setting is completed, click w[Save Settingsw\ to take effect after restarting.



SIA Alarm Platform Settings

Enable/Disable	ON
Main alarm platform server	
Main alarm platform server port	7974
Main platform user ID	
Main platform user password	
Backup alarm platform server	
Backup alarm platform server port	7974
Backup platform user ID	
Backup platform user password	
Heartbeat time	45
Heartbeat time	Single platform connection mode
	Dual platform connection mode

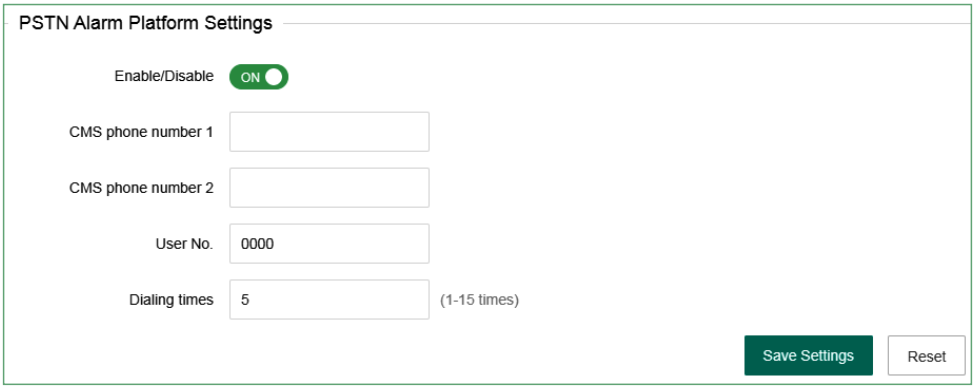
Save Settings Reset

3.6 PSTN alarm platform settings Ademco Contact ID protocol

When setting the alarm call enter w[w\ in the phone number and the dialing will pause for 1 second

The number of dialing is 5 times by default When the alarm is triggered the host will make a call to the alarm receiving platform When the phone number 1 is not connected the host will automatically dial the phone number 2 and make a circular call within the number of dialing set by the user

The number of users can be 0 to 9 B C D e and F the interval of communication



4 System options

4 1 Alarm Parameter Settings

1 Entry delay time it is only effective for the delay zone and there is no entry delay for other types of zones It is convenient for users to disarm the host before the host alarm takes effect and the alarm information will not be uploaded to the alarm center

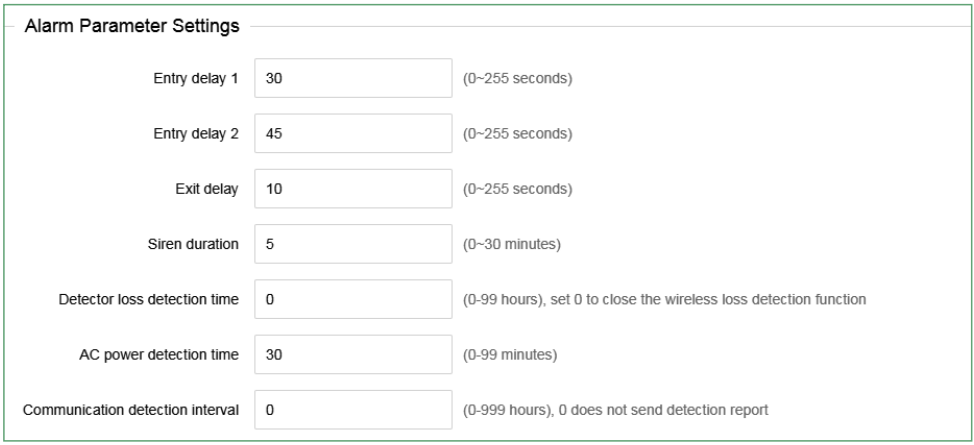
2 Exit delay time after user arm the host it is convenient for user to leave before the host is armed

3> Siren duration: the ringing time of siren after the host alarm (default 5 minutes).

4> Detector loss detection time within this time period the host inspects if receive any status report or alarm from the detector. If not, the host will show this detector lost

5> AC power detection time After AC power failure it is the time that the host delay to upload report information to the alarm center(default is 30 minutes).

6> Communication detection interval: set a period of time, the host will



automatically communicate with the alarm center once to detect whether the communication is normal (default is 0).

7>Arm disarm tone: when the user arm disarm the host with the remote control, the siren will sound for a short time (the default is disable).

8> Alarm limit: the number of times that the host alarms several times continuously and the alarm information is uploaded to the alarm receiving center. When the alarm number reaches the limit in the arm status, the alarm triggered will be ignored.

9> Door sensor detection: if enable when the magnetic strip is open, it will show the zone fault (default is disable).

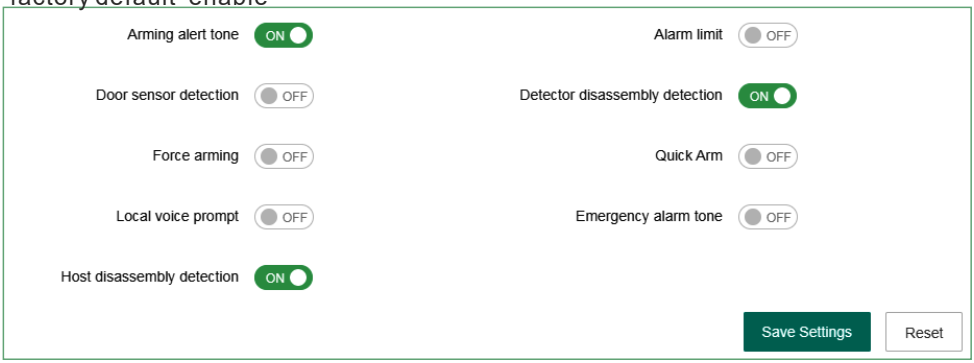
10> Detector disassembly detection: when the detector is removed, the host will alarm. (the default is enable).

11> Force arm when enable force arm system still can be force armed when zone are in trouble and trouble zones will be bypassed automatically and system will send bypass report to user and alarm receiving center When disable force arm system

can not be armed when zones are in trouble factory default disable

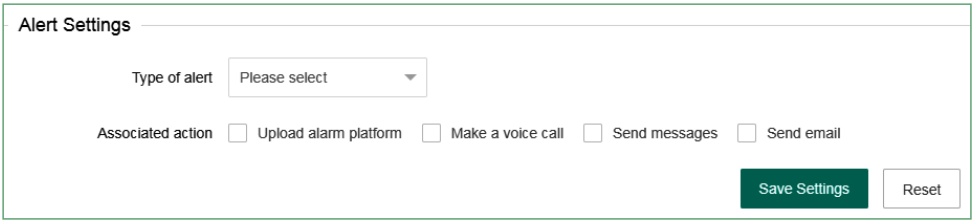
12> Quick arm: if enable user can arm the system via keypad without entering password If disable user need to enter password to arm via keypad Click save after setting

13 Local voice prompt: arm disarm alarm voice prompt and so on in host factory default enable



4.2 Alert settings

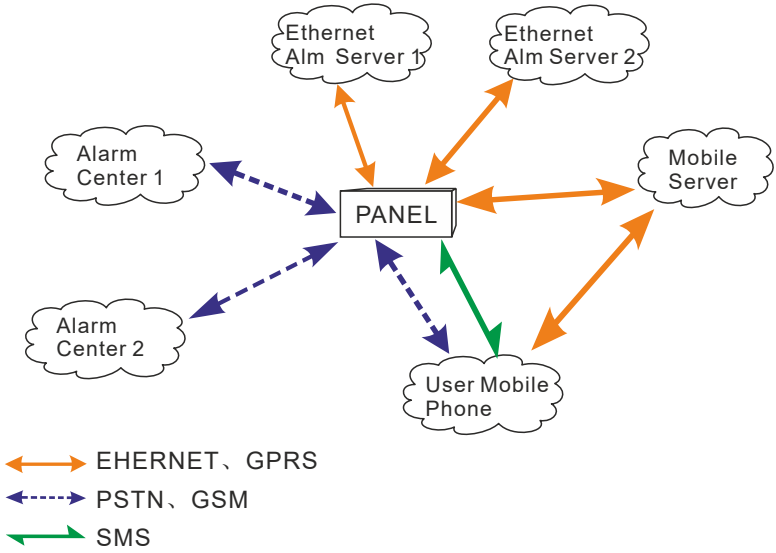
When the alarm is triggered the system will upload to the alarm platform make voice calls send SMS and send e mails User select to enable After setting click



The host will give priority to the network to send messages When the network fails it will enable GPRS to connect to the platform When the network platform fails the host will send data to the telephone alarm platform through GSM or PSTN and the

host will give priority to PSTN to send data

The host can choose whether to send the data to the user or platform and how to send it to the user When the network fails GPRS will be enabled to connect to the platform; when the network fails the host will send the data to the telephone alarm

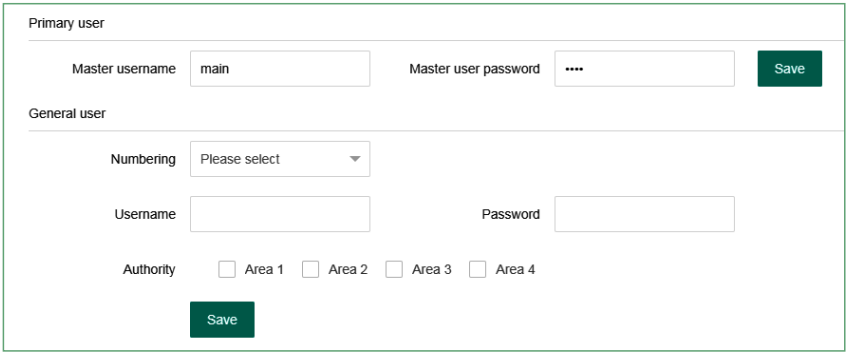


4.3 Password settings

Web administrator:the default account and password both are "admin". Password settings should be case sensitive. Click "save" after changing.

System administrator: user can enter the keypad to set the host The default password is 012345.

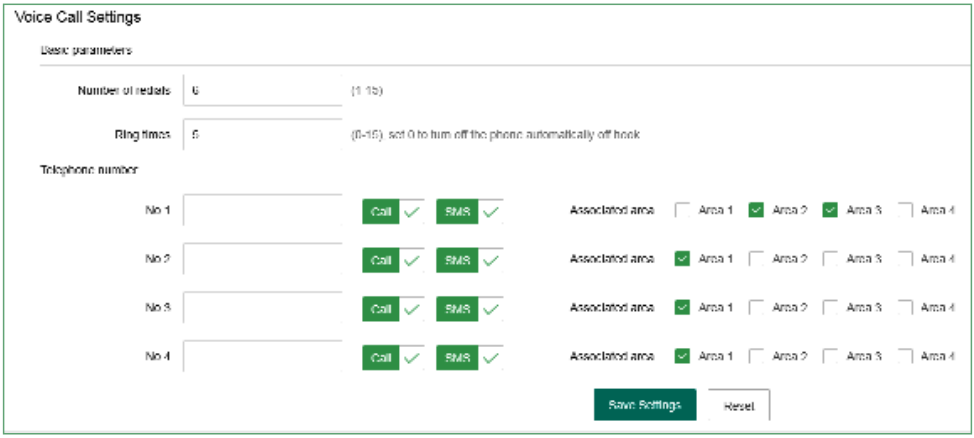
Primary user: it is used to login web page,password is 1234 by default. User can modify some settings in web IE interface



4 4 Voice call settings

Four voice phones can be set, and one phone number can control 1-4 partitions. When an alarm occurs in the selected partition, the host will send information to the phone number of the partition. Enter w[Pw\ in the phone number and the dialing will pause for one second.

**Note: You need to turn on the phone/message function, enter the "Alert Settings" and*



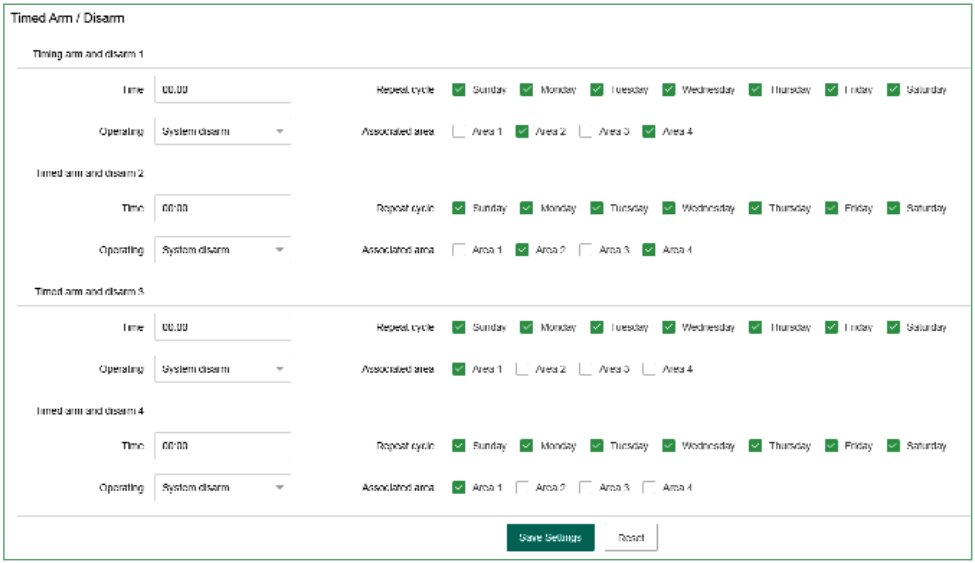
check "Call Voice Call" and "Send SMS" for the phone/message function to take effect.

Redial times: the number of voice calls in case of alarm. When the phone number 1 is not answered, the phone number 2 will be dialed. The default is redial 5 times.

Ringing times: dial the telephone number on the host, and the ringing times of the host automatically off hook (default 15 times).

4. 5 Timing Arm/Disarm

User can set a fixed time to arm/disarm the partition, 00:00 is invalid time, there are four groups of timing arm/disarm time in total.



5. System maintenance

5.1 System information

Display the host web page, voice, hardware and firmware version number.

Users can also use the mobile app to scan the QR code to add a host, see Chapter 5 about mobile app usage for details.

5.2 Time settings

Set time automatically: when it is turned on, it will automatically check the time with the timing server;

Automatic adjust to summer time:from 2:00 a.m. (Beijing time) on the first Sunday in the middle of April, set the clock one hour earlier, that is, to set the clock from 2:00 a.m. to 3:00 a.m. on the first Sunday in the middle of September, set the clock one hour earlier, that is, to set the clock from 2:00 a.m. to 1:00 a.m., and the daylight saving time ends. Automatic adjustment of daylight saving time is off by default.

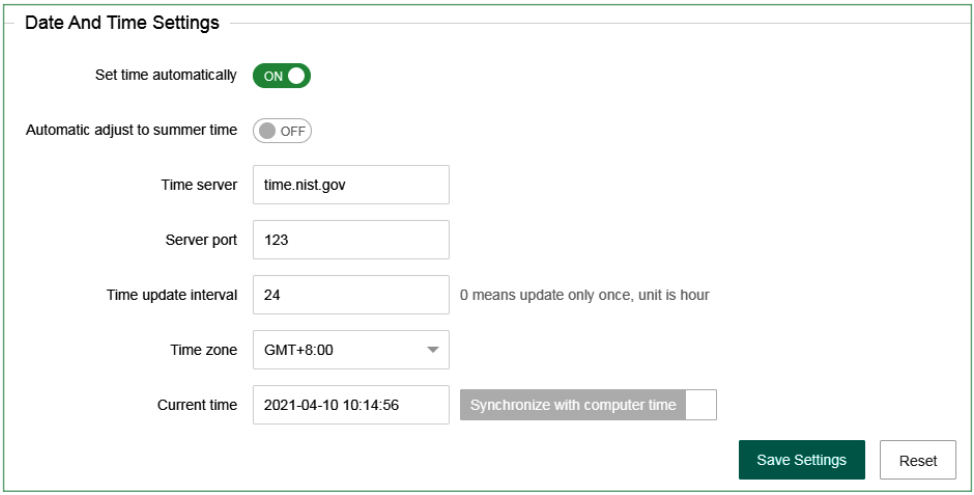
Time server:the address of the server represents different time measurement standards.

Server port: the port corresponding to the time server.

Time update interval: 24 hours by default.

Time zone: click the drop-down menu to select.(Factory default:GMT+8:00)

You can modify the time manually at the current time. If "synchronize with computer time" is enabled, the manual setting is invalid. After setting, click "Save Settings".



5. 3 System restart

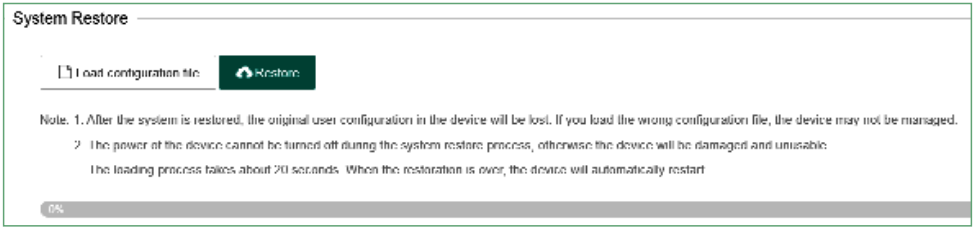
Click the w[Restart noww[button, then pop up “Do you really want to restart?”

5. 4 System backup

If you want to set the parameters of multiple hosts to the same configuration, you can export the set device parameters, and then import the exported files to other hosts to be set. Click "backup configuration file", the bottom of the screen prompts that the "bin" file has been downloaded.

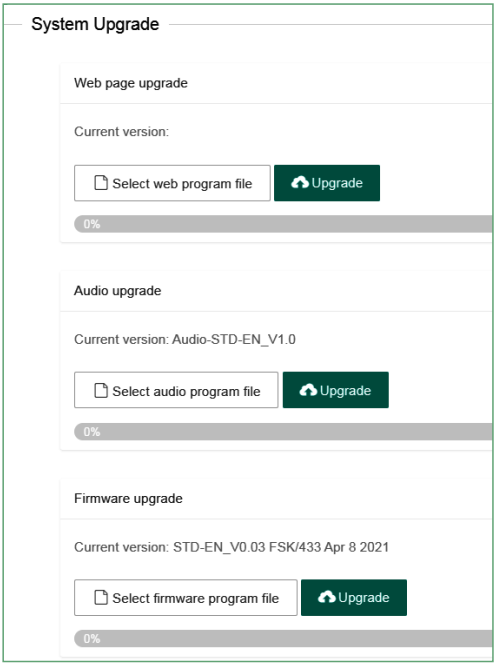
5. 5 System restore

Restore all the configuration of the host, click “load configuration file” and lead in the “ Config.bin ”file - “Restore.”. The progress of restoration is displayed below the button. Please do not perform other operations during restoration.



5. 6 System upgrade

The web program file is “ Web.bin ”, the voice program file is“ Audio.bin ”, the firmware program file is “ FC7664Pro.hex ”File, in the process of upgrading, there will be a green bar and percentage process display at the bottom of the page, please do not turn off the page and turn off the power in the process of upgrading. Restart the device after upgrading.



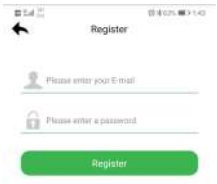
5. 7 Reset device

Restore the host to the factory preset settings, click "Reset" and enter the administrator password - "OK" in the pop-up menu. The host will automatically restart and take effect.

III. App use

Android

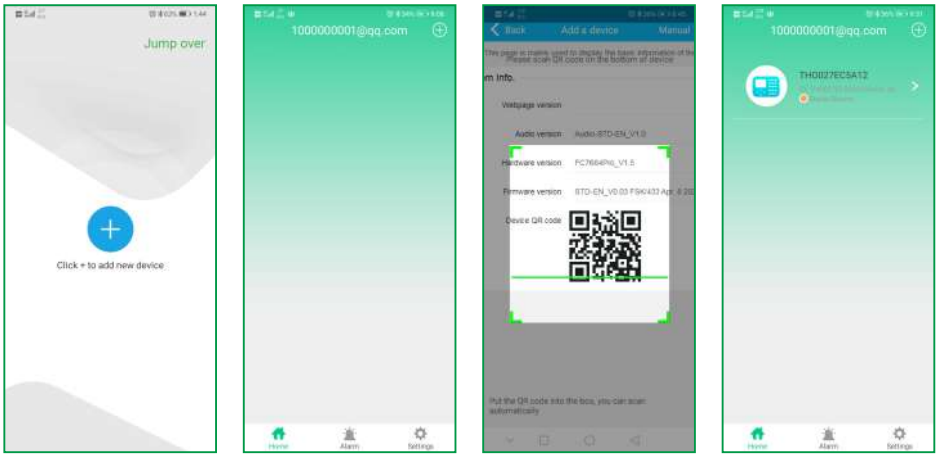
iPhone



For

3. Add panel

The first login will first enter the add interface, click "+" to add the QR code at web, or click "+" in the regional interface to enter the scanning interface. Click "OK" to add the device to the app.

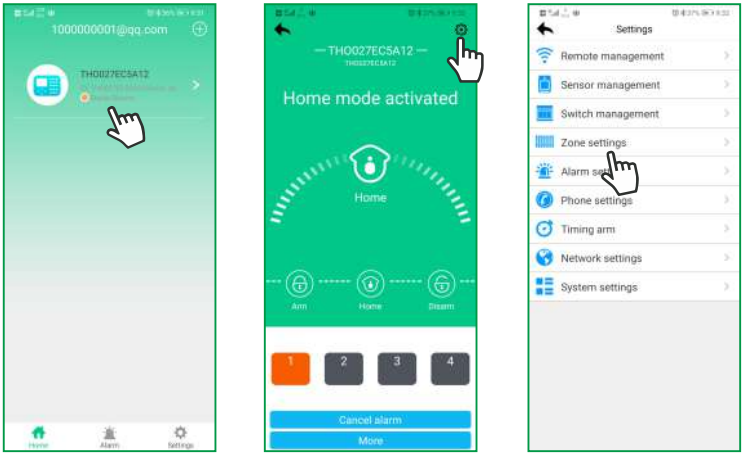


Initial login screen

4. Camera binding host

Camera binding needs to be done when cameras have been added to the APP, which supports 32 Meian cameras.

After the host is bound to the camera, the bound zone will automatically pop up the video.



Click Online Device-Settings- Zone Settings, TFNFDU I UF PQOF PU E PVOE DMDL CJOE EWDF FNFDU I UF BN FSB OBE BWF UJ

5. Add other accessories

Click Online Device-Settings, select the type of device to be added for operation.

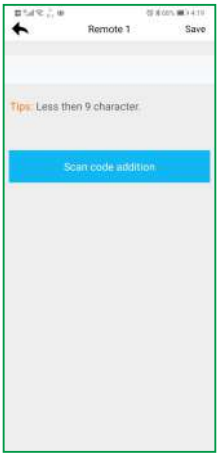
Example of adding remote control:

a. Click "Remote Management"-select the number of the remote to be added.

b. Manually enter the 9-digit address code on the back of the remote or click "Scan code addition" to scan the QR code on the back of the remote.

c. Check the partition to which the remote belongs, and click "Save" to complete.

Note: For adding other accessories, please refer to the remote adding operation method.



Technical specifications

External AC power supply voltage: input 110 ~ 240VAC, output 15V DC / 3A

Host built-in rechargeable battery (optional): 12V / 7Ah

Low battery voltage: ≤11V

Backup battery duration: about 24 hours (when only one keyboard is connected)

Alarm dialing mode: internet alarm, telephone alarm and GSM alarm

DTMF dial frequency deviation: < 1.5%

Communication protocol of central monitoring server: ADMCO Contact ID, SIA-2013，Meian Proprietary Agreement

Modulation mode: ASK / FSK (optional)

Wireless receiving and transmitting frequency: 433MHz / 868MHz (optional)

Recording time: 15 seconds

Wireless receiving range: open space (100-150m)

Working temperature range: 0 to 45 (32 ℉ to 120 ℉)

Storage temperature range: - 20 to 60 (- 4 ℉ to 140 ℉)

Humidity: 85% relative humidity at 30 (86 ℉)

System maintenance

PERIODIC TESTING

The design idea of safety system is to let you maintain as little as possible. However, in order to ensure the reliability of the system, we still need to carry out "walking test" at least once in three months. If there is any problem, please consult the technician immediately.

CLEAN THE MAIN HOST

After using for a period of time, the host may be stained with oil or dust. Please clean with soft cotton cloth or sponge and wipe dry.

Note: please do not use any friction agent or organic solvent, such as kerosene, acetone, strong glue, etc. to wipe the case, so as not to damage the external appearance of the body.

Product function limitation

Although the alarm device you purchased is highly safe, it is still not 100 safe. No matter how advanced the alarm system is, there will be false alarm or failure. The reasons may be as follows:

Lack of maintenance: if the system is used for a long time, but maintenance and testing are not carried out immediately, the sensitivity of the detector may be reduced and false alarm or missing alarm may occur; the siren may also lose its function and cannot sound.

Power failure: if the AC power supply is cut off for a long time, and the backup battery is insufficient, the system will not continue to work normally, so that the protection area can not alarm accordingly even if there is an alarm.

Limitations of smoke detector: sometimes, because the alarm occurs on different floors of the house or is too far away from the detector, the smoke detector fails to receive a strong enough smoke signal,which will cause missed alarm.

The system fails to receive the alarm information: if the intruder uses the unprotected skylight and some unexpected entrances to enter, or the intruder has the relevant professional knowledge and knows how to find the method to make the alarm equipment fail, the alarm equipment will not report the alarm immediately.

In order to ensure the normal operation of the detector and the whole alarm system, it is recommended that users often carry out periodical testing. Even if the alarm system is installed for protection, users should also be cautious about the safety of their lives and property. We will continue to devote ourselves to the development of new security products. Please keep in touch with us so as to obtain our latest technical products and relevant information. Your support is the driving force of our work! If our series of products are updated, we will publish them on our website. Please visit our website to get the latest information.