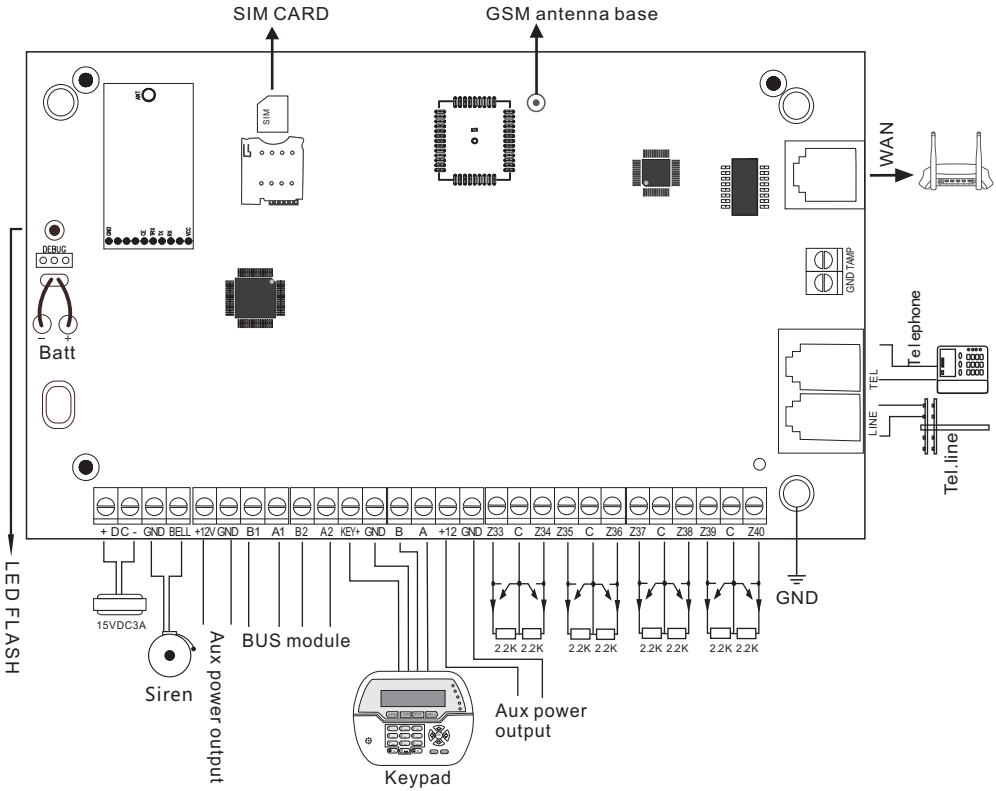
FC-7688 USER MANUAL

Read this instruction thoroughly before installation and use of this device.

P/N：20170920A02

FC-7688 WIRING DIAGRAM



Power supply
15VDC3A switch power

※Only can use 12VDC 7AH sealed lead-acid battery, change battery every 3-5 years.
※With 1 keypad, power consumption 250mA, support working for 16 hours
※Without connecting the siren, you can connect the 2.2K resistor to clear the sirne fault.
※Total power consumption (keypad, auxiliary power, siren) can't exceed max. power consumption of control panel
※Max. rechargeable current of battery: 350MA
※When using a wired or bus zone, you need to set the zone attribution in the zone attribution settings.

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

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Foreword

FC-7688 is a intelligent alarm control system which integrated with burglarproof, fireproof, gas leak proof. It is compatible with wired and wireless alarm mode.

FC-7688 refers to the most advanced coding technologies of BUS zone and multi-bit random code-hopping technologies in security & reliability , to avoid false alarm and interference effectively . FC-7688 support SIA2013 and CID protocol. This system is widely used in residence community, villa, shops, offices. More information please careful read the user manual.

Warning:

※Don't disassemble or modify, or else maybe lead to danger and the damage of panel
※Don't put other things into the panel, metal, water and combustible materials easily cause short circuit or fire.
※Be sure not to cause to break by failing or throwing down or strong impacting.
※Not install near the magnetic field, may cause instability.
※Keep dry and clean. Don't install the panel in the site which has oily fume, water-vapour, much poudre.
※Be keep out of sun and heat. Don't install the panel near the heating stove etc. high temperature equipment, such as spotlight. Keep out of the direct sunlight, may cause color fading. When cleaning, wipe with the mull. To remove dirt need to use detergent.
※Don't use gasoline or paint thinner etc. chemicals. or else may cause danger or the paint scaled off the panel.

Features

★Can set 4 separate area, 32 wireless zone, 8 wired zone, 88 bus zone expandable. Totally support 128 zones.
★Support 1 admin password, 1 master user password, 32 user password, WEB log-in password.
★Support 8 remotes, 4 bidirectional wireless keypad, 8 wired keypad.
★Support 2 network CMS platform, 2 CMS phone #. Can set backup mode , both-report mode.
★Support 4 follow-me phone # for voice phone call and SMS message
★Support APP remote control.
Timing arm and disarm: 2 groups of time arm and disarm time, you can assign any one or several partitions effective;

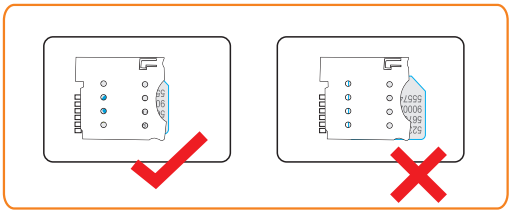
LED instruction of CMS network

LED OFF—Network disconnect
Slow flash—GPRS connected or LAN network disconnected. The flash speed under LAN NETWORK off is slower than GPRS connect.
Quick flash: internet connect

Insert SIM card:

The telephone card is Micro SIM (small card), network support mobile (GSM), China Unicom (GSM), does not support telecommunications (CDMA). Inserted at the corner of the corner, with a magnetic side of the face down insert.

Note that the SIM card is fully inserted into the card slot to automatically lock（that is not automatically pop up), lock will be "tick" sound, SIM card inserted and then boot to register the network.



Remote phone control

❶

User call the phone # of the alarm panel

❷

Di~Di~

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

❸

You will hear:
Enter password

❹

1 2 3 4

Pls enter the user password 1234 (factory default)

❺

Press 1 to arm area
Press 2 to disarm area
Press 3 to stay area
Press 4 to check area status
Press 0 to hang up

Take alarm call from alarm panel

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

①

Door sensor send alarm signal

②

Alarm panel make alarm call

③

User pick up the alarm call

④

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 0 to hang up

Remote control by GSM

User call the phone# of the simcard which insert in the FC-7688. Pick up the call , enter user password 1234. Then you will hear voice guidance :

Please select:

Press 1 to arm area
Press 2 to disarm area
Press 3 to stay area
Press 4 to check area status
Press 0 to hang up

GSM alarm phone call pick up

When alarm happens , the simcard in the alarm panel call the follow-me phone #. You will hear the below voice guidance:

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 0 to hang up

GSM SMS remote control

Arm command:

Enter the sms command on phone | #PASSWORD:1234#ARMED AREAX(X=1--4)

Disarm command:

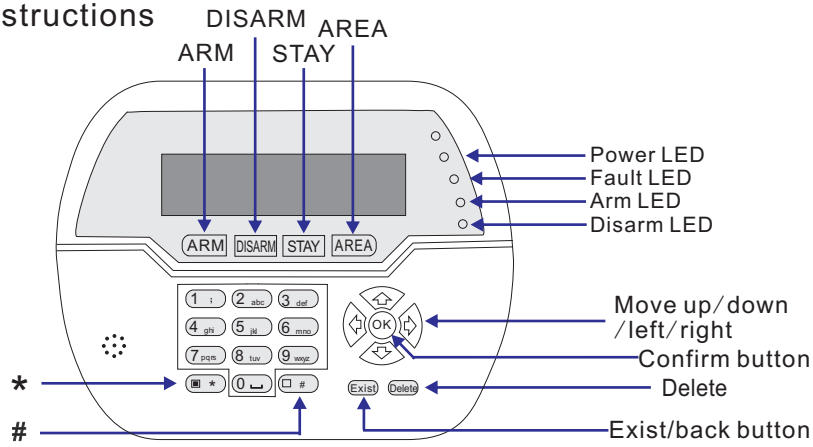
Enter the sms command on phone | #PASSWORD:1234#DISARM AREAX(X=1--4)

Stay arm command:

Enter the sms command on phone | #PASSWORD:1234#STAY AREA X(X=1--4)

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.

Keypad instructions



Power LED: Light ON-Normal Quick flash- Abnormal
Slow flash- battery trouble Light off-AC power and battery trouble
Fault LED : Light ON- Configuration parameter validation error
Quick flash- CMS connect and communication trouble
Slow flash- network, GSM, PSTN trouble Light off-Normal
Arm LED: Light ON-All areas armed quick flash-area fault
Slow flash- some of areas armed, and others disarmed
Disarm LED: Light on-area all disarmed quick flash-all areas trouble
Slow flash-all areas bypass

Arm	: Arm more than one area one time. Also arm each area separately.
Disarm	: Disarm area.
Home	: Same as arm button.
Area	: Same as arm button.
▣ *	: Setting button.
□ #	: Confirm button.

OK	: Confirm button
	: Move up
	: Move down, inquiry under disarm status
	: Move left, fire alarm button
	: Move right, press and hold on 3 secs for emergency help.
Exist	: Exist/back button
Delete	: Delete

Support 8 keypad. Pls scan and add keypad after repower the alarm panel. The keypad will not work if add without repower the alarm panel, in this case, you can re-scan to add the keypad on a keypad which already work by the command admin PW[012345]*9#. Each keypad is with a different address.The first time connect the keypad, it will display fault event. Like battery problem, network problem etc.. , you can choose the event to display on WEB MENU.

Common operation

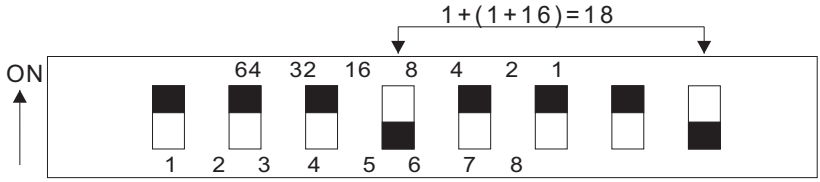
Default admin password is 012345, main user password is 1234

Enter admin program menu:[012345]+ * +[0]+ #

Alarm event: Press ⇩ to inquiry under standby status

Enter bypass zone: [1234]+ ⇧ Once a zone is bypassed, the keyboard displays the bypassed zone. You Can only bypass the zone in the area which control this this password. At the same time only allow ONE keyboard to enter the bypass settings. However, if you enter a higher privilege request, it will exit the bypass setting if you enter the system settings.

7601 bus zone expand module



1.FC-7601 is DIP-type single address code zone module, the resistance is 10K

2.The module extends the address range 1-128.

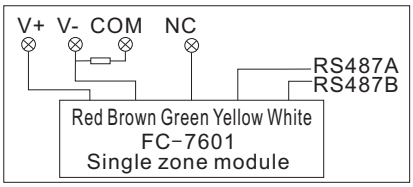
3. Wiring: Red DC+, Brown DC- , Yellow RS487a, White RS487B, Green(ZONE TEST), Brown Cable IS GND.

4.WORK VOLTAGE: dc8.5-24v

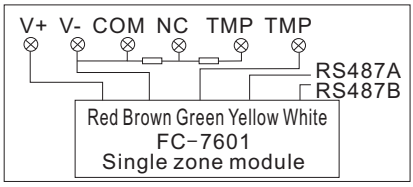
5.DIP 1, tamper checking switch, ON tamper checking on, OFF tamper checking off 2-8 address code. OFF enable, ON disable. Count by Binary. Example address 18, set DIP 4 and 8 OFF, All address plus 1. See the above diagarame.

6.To FC-7688, the zone # is address # plus 40. Example address 18, its zone # is 58

7.Bus zone 41-128 is disable as default.pls enable it before using.



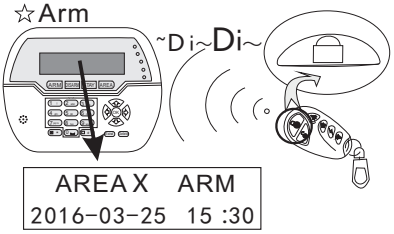
NO TAMPER



TAMPER

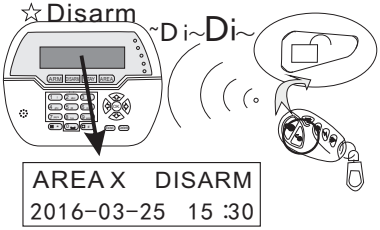
Arm/Disarm alarm panel

☆Arm



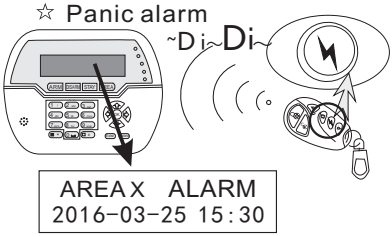
Corresponding user password+ ARM
or press disarm button remote control.

☆Disarm



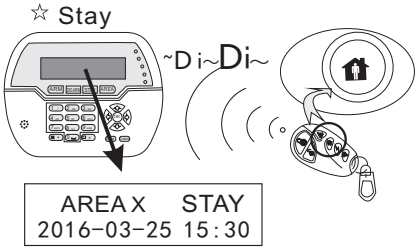
Corresponding user password+ DISARM
or press disarm button remote control.

☆ Panic alarm



Press and hold on ⇨ button or
press the panic button on remote.
Corresponding user password+ ⇦
PW to trigger fire alarm.

☆ Stay



Corresponding user password+ STAY
or press stay button remote control .

The code of different ARM/DISARM operation.
BY remote, 8 remote code is 141-148
By user password, 16 user password is 01-32
By phone call, 4 follow me phone #is 160-164
By CMS platform, code is 150
By arm/disarm schedule or key zone: code is 165
By WEB IE menu, code is 155
By Phone APP,code is 166
Unknown 90

Duress password

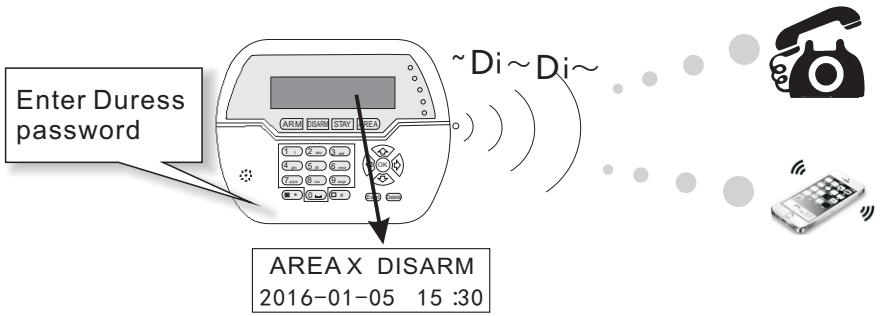
Duress password:

1 . user password/admin password+[AREA]+[0]+[ARM]/[DISARM]/[STAY]

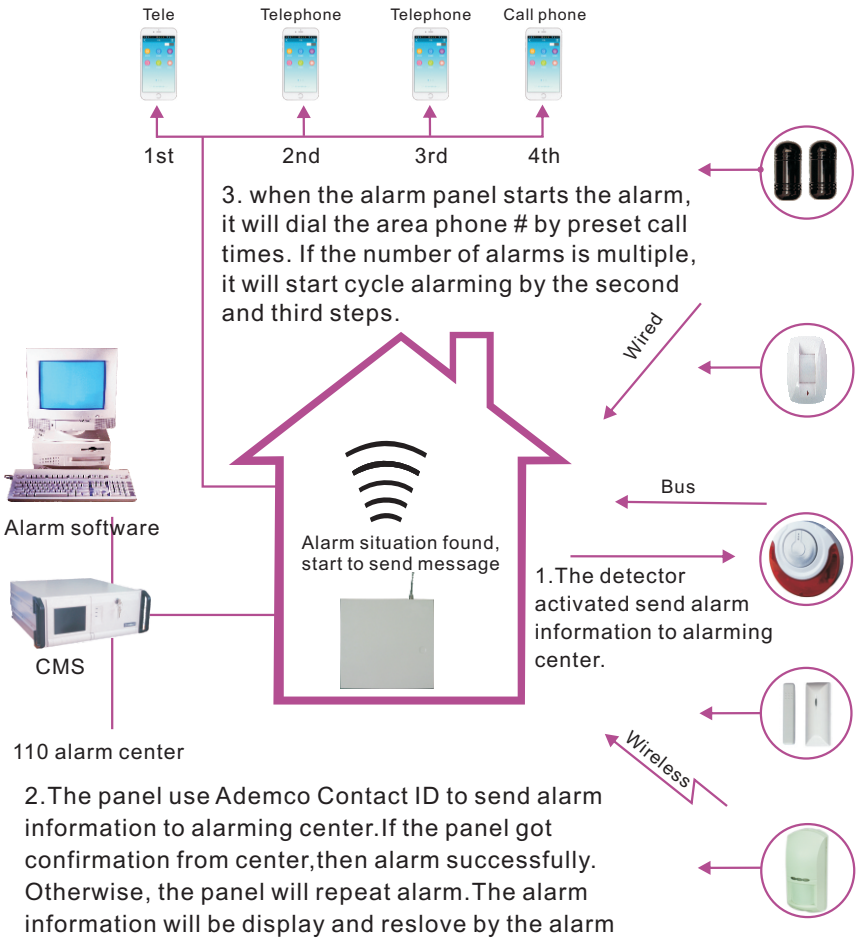
2. user password/admin password+[0]+[ARM]/[DISARM]/[STAY]

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.



Alarm procedure



System maintance

Pls make the below test before installation.
Commutation 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)

1)Communication test: test the communication between alarm panel and CMS.

Main user password+ [*] +[1]+ [#] → CMS will receive timing test report message

2)Battery test

Main user password+ [*] +[2]+ [#] → 5 mins after CMS will receive battery status message

You can not start the alarm panel with only battery connect. But trigger the battery by AC power first.One battery test take about 4 mins, so, it will take at least 5 hours to report battery recover.When AC power is normal, battery test proceed every 24 hours. If battery disconnect, it will test battery every 10 mins. When battery voltage is low, it will test battery every 60mins. When AC power trouble, it will test battery every one minute.

3)Siren test: test the communication between siren and alarm panel

Main user password+ [*] +[3]+ [#] → trigger siren → siren sound

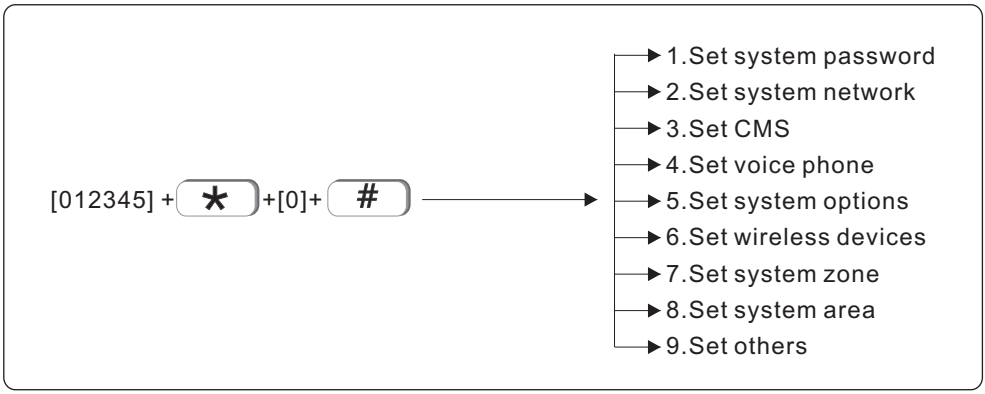
4)Walk test
example: walk test at zone 8

[1234] + [*] +[4]+ [#] → walk test: 000 → trigger zone 8

→ walk test mode:
zone alarm: 008

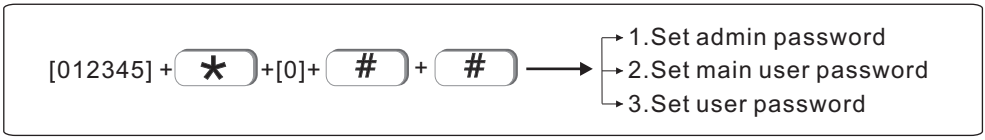
press [Exist] back to standby interface

I. System Setting



Note: only in disarm status, user can do system setting.

1.Set system password



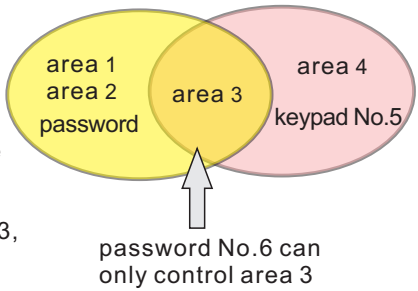
The central panel has one admin password, one main user password, 32 user password and Web login password. password can control one or more system area.

The password's right on keypad is decided by the system area the password can control and the system area the keypad can control.

For example:

If user sets password No. 6 can control area 1, 2, 3, the keypad No. 5 can control area 3,4.

Then the user can only control area 3 on keypad No. 5 via password No. 6



1.1 Set admin password

Admin password has the highest authority. E.g, set admin password as 55555

[012345] + * +[0]+ # + # + # → Enter password : *****

LCD display

+ [55555] + #

The keypad will beep twice to confirm the password has been changed.

Exist + Exist + # Back to standby interface.

Tips: if forget admin password or web login password, please follow: Power off the central panel, and power on again, within 60s, enter 000000 as password to operate and set new password.

1.2 Set main user password

Please refer to user setting I

1.3 Set user password

E.g Set user password no. 03 as 0000

[012345] + * +[0]+ # + # +[3]+ # → Enter user password No. 01(01-32)

LCD display

+[03]+ # + Enter password : **** + [0000] + # → Enter user password No. 04(01-32)

LCD display LCD display

The keypad will beep twice to confirm the password has been changed.
After this, the keypad will enter to set next password no. , press
Exist + Exist + Exist + # back to standby interface.

2.Set system network

[012345] + * +[0]+ # + [2]+ # →
- 1] Set DHCP
- 2]Set IP
- 3] Set gateway
- 4]Set subnet mask
- 5] Set DNS

2.1 Set DHCP

User can choose to enable or disable DHCP function.Eg. Enable DHCP function

[012345] + ✱ +[0]+ # + [2]+ # + # → DHCP: 1>disable 2>enable

LCD display

+ [2] + #

The keypad will beep twice to confirm it has been changed,the keypad will return to previous setting Press Exist + Exist + # back to standby interface.

2.2 Set IP

Factory default IP: 192.168.1.200

Tips：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.

[012345] + ✱ +[0]+ # + [2]+ # +[2]+ # → Enter IP: 000. 000. 000. 000

LCD display

+ [192168002081] + #

The keypad will beep twice to confirm it has been changed, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

2.3 Set gateway

E.g. Set gateway as 192.168.2.1

[012345] + ✱ +[0]+ # + [2]+ # +[3]+ # → Enter gateway: 000. 000. 000. 000

LCD display

+ [192168002001] + #

The keypad will beep twice to confirm it has been changed, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

2.4 Set subnet mask

E.g. Set subnet mask as 255.255.255.0

[012345] + * +[0]+ # + [2]+ # +[4]+ # → Enter subnet mask 000. 000. 000. 000 (LCD display)

+ [255255255000] + #

The keypad will beep twice to confirm it has been changed, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

2.5 Set DNS

E.g. Set DNS as 202.96.128.85

[012345] + * +[0]+ # + [2]+ # +[5]+ # → Enter DNS server: 000. 000. 000. 000 (LCD display)

+ [202096128085] + #

The keypad will beep twice to confirm it has been changed, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

3. Set CMS

CMS means central monitoring service, which is usually provided by security company with extra service cost.

[012345] + * +[0]+ # + [3]+ # →
- 1] Phone alarm platform (Contact ID)
- 2]Network alarm platform (IP,GPRS)

3.1 Phone alarm platform

[012345] + * +[0]+ # + [3]+ # + # →
- 1>Set CMS line 1
- 2>Set CMS line 2
- 3>Set user #
- 4>Enter Dial times

3.1.1Set CMS line 1

When alarm is triggered, the central panel will dial CMS telephone No to inform the central monitor server. It can support to set 18 digits maximum.

E.g. Set Set CMS line as 800012345

[012345] + * +[0]+ # + [3]+ # + # + #

→ CMS Phone no.: + [80012345] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to stand by interface.

3.1.2 Set CMS line 2

Please refer to 3.1.1

3.1.3 Set CMS user no.

CMS platform can control many device at the same time. User no. Means the no. of this device in CMS platform .E.g. Set user no as 0001

[012345] + * +[0]+ # + [3]+ # + # +[3]+ #

→ CMS user no.: 0000 + [0001] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to stand by interface.

3.1.4 Set CMS Dial times（01-10）

When alarm happens, the device will dial the CMS telephone no.1 and no. 2 at the same time, the dial times in factory default is 5 times. if the call is still not answered after 5 times, it will stop to dial out.E.g. Set dial times as 8times.

[012345] + * +[0]+ # + [3]+ # + # +[4]+ #

→ CMS dial times: :05 （01--10） + [08] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

3.2 Network alarm platform

[012345] + ✱ +[0]+ # + [3]+ # +[2]+ #

→ 1> Set CMS server IP
→ 2>Set CMS server port
→ 3>Set CMS register ID
→ 4>Set CMS register password

3.2.1 Set CMS server IP

Set CMS IP as 014.152.090.065

[012345] + ✱ +[0]+ # + [3]+ # +[2]+ # + #

→ Server IP:
000.000.000.000
LCD display
+ [014152090065] + #

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

3.2.2 Set CMS server port

Factory default port: 7974

E.g. Set server port as 6598

[012345] + ✱ +[0]+ # + [3]+ # +[2]+ # +[2]+ #

→ Server port: 07974
（00001--65535）
LCD display
+ [06598] + #

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

3.2.3 Set CMS register ID and password

CMS register ID and password are provided by the CMS operator.
User can search the CMS register ID and password as below：

[012345] + * +[0]+ # + [3]+ # +[2]+ # +[3]+ #

LCD will show the CMS register ID and password.

Press Exist + Exist + Exist + # back to standby interface.

The query CMS password is the same as the registration ID.

4.Set voice phone

[012345] + * +[0]+ # + [4] + # → 1]Voice phone 1; 2]Voice phone 2; 3]Voice phone 3; 4]Voice phone 4; 5]Phone dial times

4.1 Set voice phone No.

When alarm happens, the device will dial to user's phone no. Automatically. It can set 4 phone no maximum, each phone no. supports 18 digits maximum.

E.g. Set voice phone no.2 as 88776655

[012345] + * +[0]+ # + [4] + # + [2]+ #

→ Phone No.: (LCD display) + [88776655] + #

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

4.2 Voice phone dial times

Factory default: 5 times

E.g. Set dial times as 6

[012345] + * +[0]+ # + [4] + # + [5]+ #

→ Dial times:05 (01–10) + [6] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5. Set system options

[012345] + * +[0]+ # + [5] + # →

- 1] Set system time
- 2]Set enter delay
- 3] Set exit delay
- 4] Set bell time
- 5] Set force arm
- 6] Set emergency alarm tone
- 7] Set AC off delay
- 8] Set door sensor check
- 9] Set detector loss check

5.1 Set system time

E.g. Set system time as Oct, 1st, 2017 23:59:59

[012345] + * +[0]+ # + [5] + # + #

→ Enter system time
2011-01-01 12：00：30 + [17 10 01 23 59 59] + #
Y M D H Min S

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5.2 Set enter delay

When alarm happens from delay zone, the device will delay to alarm for 30s in factory default.E.g. Set enter delay time as 20s.

[012345] + * +[0]+ # + [5] + # + [2] + #

→ Enter delay time:030 (000--255)S + [020] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5.3 Set exit delay

Factory default time: 3s

It means, when user arms the system, it can not be valid at once, but only after 3s ,the system will enter into arm status. The delay time can leave the user enough time to leave the house without triggering the system.E.g. Set exit delay time as 20s

[012345] + * +[0]+ # + [5] + # + [3] + #

→ Exit delay time:003 (000--255)S + [20] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5.4 Set bell time

Factory default: 300s(5min) .E.g. Set bell time as 600s(15min)

[012345] + * +[0]+ # + [5] + # + [4] + #

→ alarm bell time:300 (000--999)S + [600] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5.5 Set force arm

Factory default: disable

When there is zone fault, user will be not able to arm the device. But if set force arm, it is OK to arm, at the same time, the zone in fault will be bypassed with SMS or CMS report. E.g. Enable force arm

[012345] + * +[0]+ # + [5] + # + [5] + #

→ System force arm: 2
1>disable 2>enable + [2] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5.6 Set emergency sound

Factory default: mute

E.g. Set emergency alarm tone as ring

[012345] + * +[0]+ # + [5] + # + [6] + #

→ emergency alarm bell tone: 2
1>mute 2>sound + [2] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5.7 Set AC off report delay

Factory default: 30min

It means the time when AC off, the device will delay 30min to report to CMS about AC off.E.g. Set AC off report delay time as 5min

[012345] + * +[0]+ # + [5] + # + [7] + #

→ AC off report delay:030
(000--999)M 0disable + [005] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

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.

[012345] + ✱ +[0]+ # + [5] + # + [8] + #

→ Door sensor check:1
1>disable 2>enable + [2] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

5.9 detector loss check: default value is 00 disable

Example: set detector loss check time is every 4 hours

[012345] + ✱ +[0]+ # + [5] + # + [9] + #

→ Detector loss check：00
(00--99) H 0disable + [04] + #

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + # back to standby interface.

Note: wireless detector send status report is every 3 hours, if the panel do not receive the report or alarming information, the detector will be regarded as loss. Recommended sensor loss check time is every 4 hours or above.

6. Set wireless devices

[012345] + ✱ +[0]+ # + [6] + # →
- 1] set remote controller
- 2] set wireless detector
- 3] set wireless siren

6.1 Set remote controller

[012345] + * +[0]+ # + [6] + # + # → 1)enroll remote / 2)enter remote code / 3)delete remote

6.1.1 Enroll remote

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

[012345] + * +[0]+ # + [6] + # + # + # + #

→ Enter remote: 1 (1--8) + [2] + # → Trigger wireless device...

LCD display LCD display

→ → Device wireless code: 226016063 + # → Enter remote: 3 (1--8)

LCD display LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

6.1.2 Enter remote code

Example: manually enter the address code of remote 226016063 to be #3 remote in alarm panel

[012345] + * +[0]+ # + [6] + # + # +[2]+ #

→ Enter remote: 1 (1--8) + [3] + # → Enter remote code

LCD display LCD display

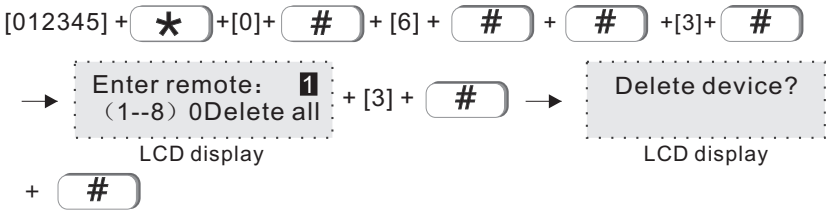
+[226016063]+ # → Enter remote: 4 (1--8)

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

6.1.3 Delete remote

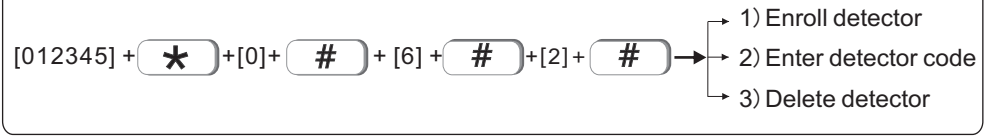
Example: delete #3 remote



The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

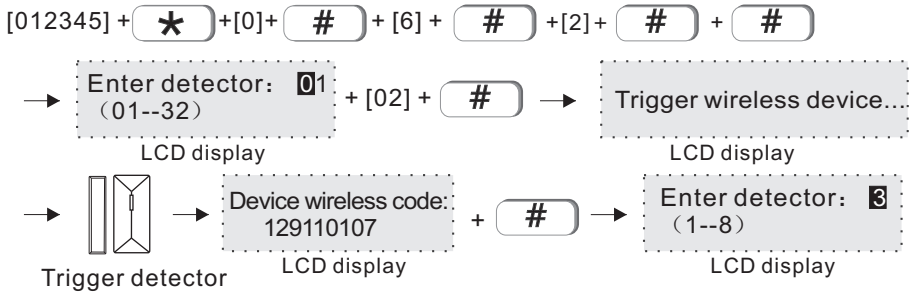
Note: enter 0 to delete all remotes

6.2 Set wireless detector



6.2.1 Enroll detector

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



The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

6.2.2 Enter detector code

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

[012345] + * +[0]+ # + [6] + # +[2]+ # +[2]+ #

→ Enter detector: 01 (01--32) + [03] + # → Enter device: ■

LCD display LCD display

+ [129110107] + # → Enter detector: 4 (1--8)

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

6.2.3 Delete detector

[012345] + * +[0]+ # + [6] + # +[2]+ # +[3]+ #

→ Enter detector: 01 (01--32) 00delete all + [03] + # → Delete device?

LCD display LCD display

+ # → Enter detector : 04 (01--32) 00delete all

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

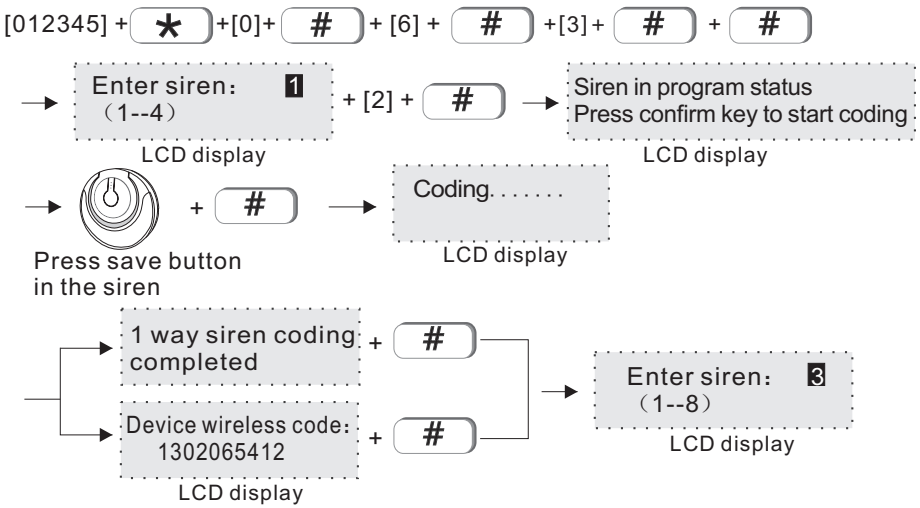
6.3 Set wireless siren

[012345] + * +[0]+ # + [6] + # +[3]+ # → 1)Enroll siren 2)Delete siren

Note: the keypad will display fault if not connecting the wired siren. User could connect 2.2k eol resistor at bell terminal if without wired sirens.

6.3.1 Enroll siren

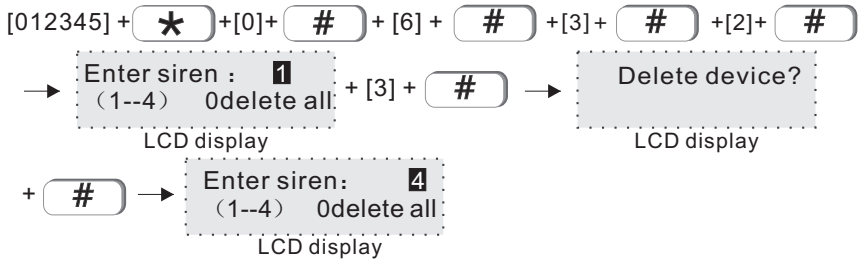
Example: enroll siren to #2 siren in the alarm panel



The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

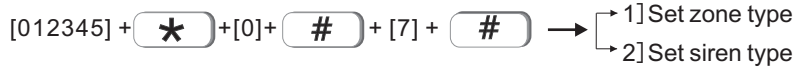
6.3.2 Delete siren

Example: delete #3 siren



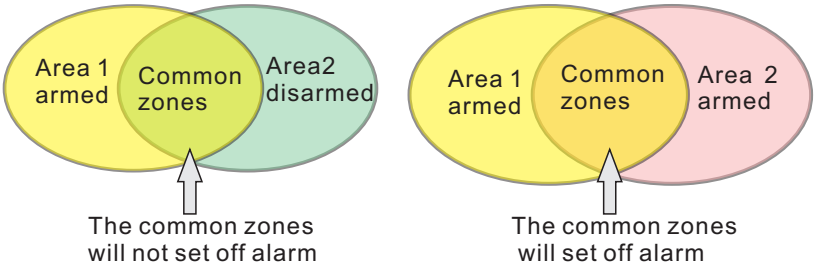
The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

7. Set system zone



The zone can be assigned to one or more areas

The common zones will not set off alarm if one of the assigned area is disarmed



When the common zones set off alarm, all users in related areas will receive notifications.

Expanded zone number is from no.40 on, expanded zones for bus zones only.

Zone names editable. New edited names will be display on keypad and sms text notifications.

7.1 Set system zone

The options of zone types as below

0>disable 1>delay 2>perimeter 3>interior
4>emergency 5>24h 6>fire 7>Water sensor

Zone attributions	Interior	Delay	Perimeter	24Hours	Emergeny	Fire Alarm	Disable
Away Arm	√	√	√	√	√	√	×
Home Arm	×	√	√	√	√	√	×
Disarm	×	×	×	√	√	√	×

1. " √ " means the hub will give alarms is triggered.
2. " × " means the hub will not give alarms when the type of the alarm is triggered.

Example: Set Zone 8 to be fire zone.

[012345] + * +[0]+ # + [7] + # + # → Enter zone: 001 (001--128) LCD display

+ [008] + # → Select zone type: 3 3>Interior LCD display + [6] + # → Enter zone: 009 (001--128) LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

7.2 Set zone siren: default value to be cont(constant). Pul(pulse) and mute for option .Example: set zone 108 siren type to be pulse

[012345] + * +[0]+ # + [7] + # + [2] + # →

Enter zone：001 (001--128) LCD display + [108] + # → Select siren type: 1 1>cont 2>pul.3>mute LCD display + [2] +

→ Enter zone：109 (001--128) LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

8. Set system area

[012345] + * +[0]+ # + [8] + # →

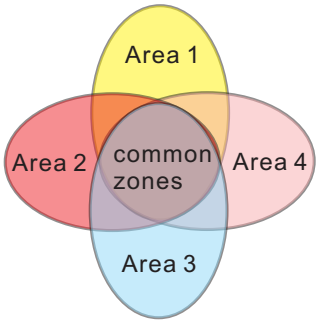
- 1] Password area
- 2] Keypad area
- 3] Remtoe area
- 4] Zone area
- 5] Voice phone area

Total 4 areas, the zones can be assigned to one or more areas. If the zones are assigned to more areas, the zones are common zones.

The common zones will not set off alarm if one of the assigned area is disarmed. The common zones will only set off alarm when all the assigned areas are armed.

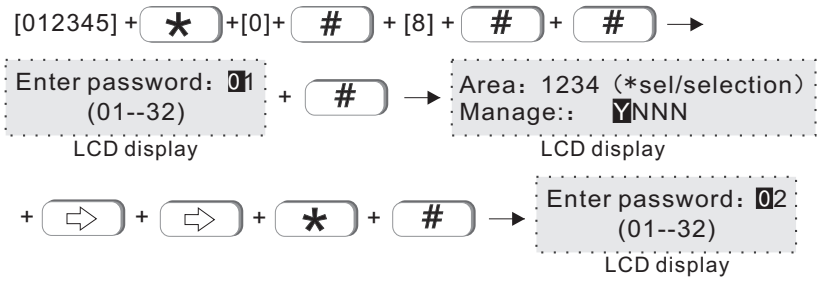
The keypad, remote and voice number can be set to manage one or more areas.

Area 1 is master area, all event logs will report to area 1 only, user can enter system setting when area 1 is disarmed.



8.1 Password area(default value is area 1)

1 user password can manage 1~4 area, example: set password 1 to manage area 1 and area 3

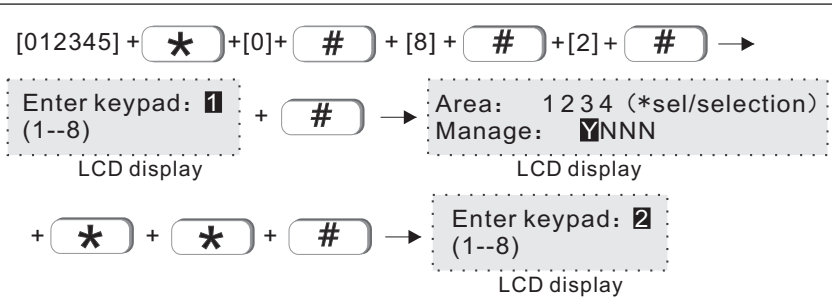


The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

Note: Y--enable N--disable

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



The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

8.3 Remote area(default value is all areas)

Example: set remote 1 to manage area 3.

[012345] + * + [0] + # + [8] + # + [3] + # →

Enter remote: 1 (1--8) + # → Area: 1234 (*sel/selection) Manage: YYYY

LCD display LCD display

+ * + * + ⇨ + * + # → Enter remote: 2 (1--8)

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

8.4 Zone area

Area armed: all zones that assigned to this area are armed.

Area disarmed: all zones that assigned to this area are disarmed.

Default value: area 1. Example: assign zone 55 to be area 3.

[012345] + * + [0] + # + [8] + # + [4] + # →

Enter zone: 001 (000--128) +[055]+ # → Area: 1234 (*sel/selection) Manage: YNNN

LCD display LCD display

+ * + ⇨ + * + # → Enter zone: 056 (000--128)

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

8.5 Voice phone area(default value is area 1)

User can set 4 voice phone numbers, example: set voice phone #1 to manage area2 and area 3.

[012345] + * + [0] + # + [8] + # + [5] + # →

Voice phone: 1 (1--4) + # → Area: 1234 (*sel/selection) Manage: YNNN

LCD display LCD display

+ * + * + * + # → Voice phone: 2 (1--4)

LCD display

The keypad will beep twice to confirm it has been set, the keypad will return to previous setting.Press Exist + Exist + Exist + # back to standby interface.

9.Other settings

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

001–System Language Settings	
002– Ring Times	
003–Communication Test Time	
004–Telephone Line Test	
005–Wireless Detector Tamper	
006–Arm/Disarm Siren Short Sound Tone	
007–CMS Heartbeat Time	
008–Web Port	
009– Limit of Alarming Times	
900–Delay Alarm	7
901–Perimeter Alarm	7
902–Interior Alarm	7
903–24 Hour Alarm	7
904–Emergency Alarm	7
905–Fire Alarm	7
906–SOS	7
907–Tamper Alarm	7
908–System Arm	5
909–System Disarm	5
910–Armed Stay	5
911–System Low Battery	5
912–System AC Loss	5
913–System AC Recovery	5
914–Alarm Cancel	5
915–Detector Battery Fault	5
916–Detector Battery Recovery	5

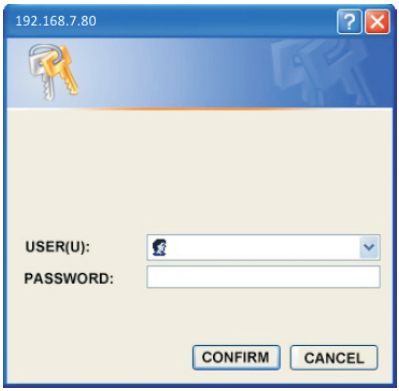
917–Wireless Detector Loss	5
918–System Programming Changed	5
919–System Arm Failed	5
920–Communication Testing	5
921–Zone Bypass	5
922–System Battery Recovery	5
923–System Communication Recovery	5
924–Zone Bypass Recovery	0
925–System Communication Recovery	0
926–Zone Loop Faulty	0
927–Zone Loop Recovery	0
928–Siren Faulty	7
929–Siren Recovery	7
930–Hijacking Alarm	7
931–Delay Recovery	0
932–Perimeter Recovery	0
933–Interior Recovery	0
934–Emergency Recovery	0
935–24 Hour Recovery	0
936–Fire Alarm Recovery	0
937–Emergency Recovery	0
938–Tamper Recovery	0
939–Wireless Detector Recovery	0
940–Telephone Line Fault	5
941–Telephone Line Recovery	5
900~999–SMS Setting	

1. 001-System Language : 1. Chinese 2. English
   002-Ring Times(the default setting is 7 times): set value 00-15.
   003-Communication Test Time: set value 0-999s.
   004-Telephone Line Test: 1. Disable 2. Enable
   005-Wireless Detector Tamper: 1. Disable 2. Enable
   006- Arm/Disarm Siren Short Sound Tone: 1. No voice 2. Siren short sound
   007-CMS Heartbeat Time: set value 0-9999s
   008-Web Port: set value 0-65535
   009-Limit of Alarming Times: 1. No limited 2. 3 Times Limited
2. #900-941 Alarm Event, the value above is factory default
3. Set Alarm event notification as below:
   0>Do not send any info. 1>CMS ONLY 2>Voice number only 3>CNS+voice number
   4>SMS ONLY 5>CMS+SMS 6>Voice number+SMS 7>CMS+Voice number+SMS

Ⅱ.Web IE Introduction

Open the IE browse and input the IP address of the alarm control panel, please enter the user and password.

Default user account is admin, and password is 012345.



Open the Internet browse as below:

Note: Web IE Settings currently do not support RFID setting, Email setting and Smart home.

1.Remote Control

Press the remote control icon to enter below interface.

1.1 System area status: After selecting the system area status, the system prompts that the operation is succeessful.

1.2 System zone bypass: System default zone number 1-128 ,totally 128 zones. Enter the zone number in the middle input field. In the right zone option,you can choose the zone bypass or cancel bypass.

1.3 System status: After the success of zone bypass setting , you can check the current system status in the system status.

System status

Number	Zone/System /Area	Status / Event
1	System	AC power normal
2	System	Battery fault
3	System	Network normal
4	System	GSM module fault
5	System	Telephone line fault
6	System	Siren fault
7	System	CMS network platform fault
8	System	CMS phone platform normal
9	System	FLASH CRC check normal

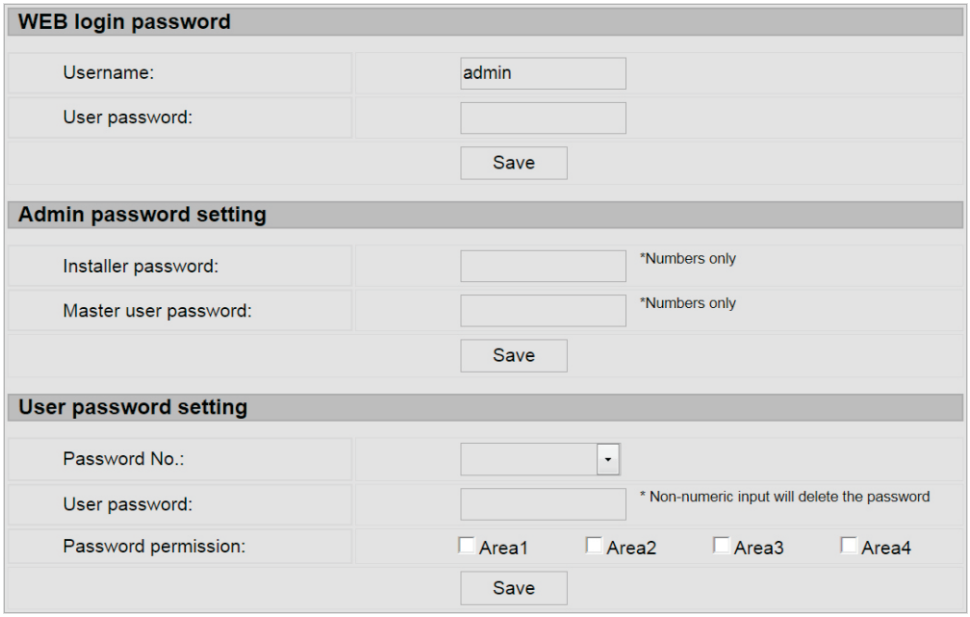
2.Password Setting

Press the password setting icon to enter below interface.

2.1 WEB login password: Username and user password can be set up to 8 digits(include letters).When user changes username and password ,then clicks Save, the system will pop up the login window to log in again.

2.2 Admin password setting: Admin password is 6 digits. Master user password is 4 digits. Enter new password and click Save.The setting interface will automatically reset to blank input.

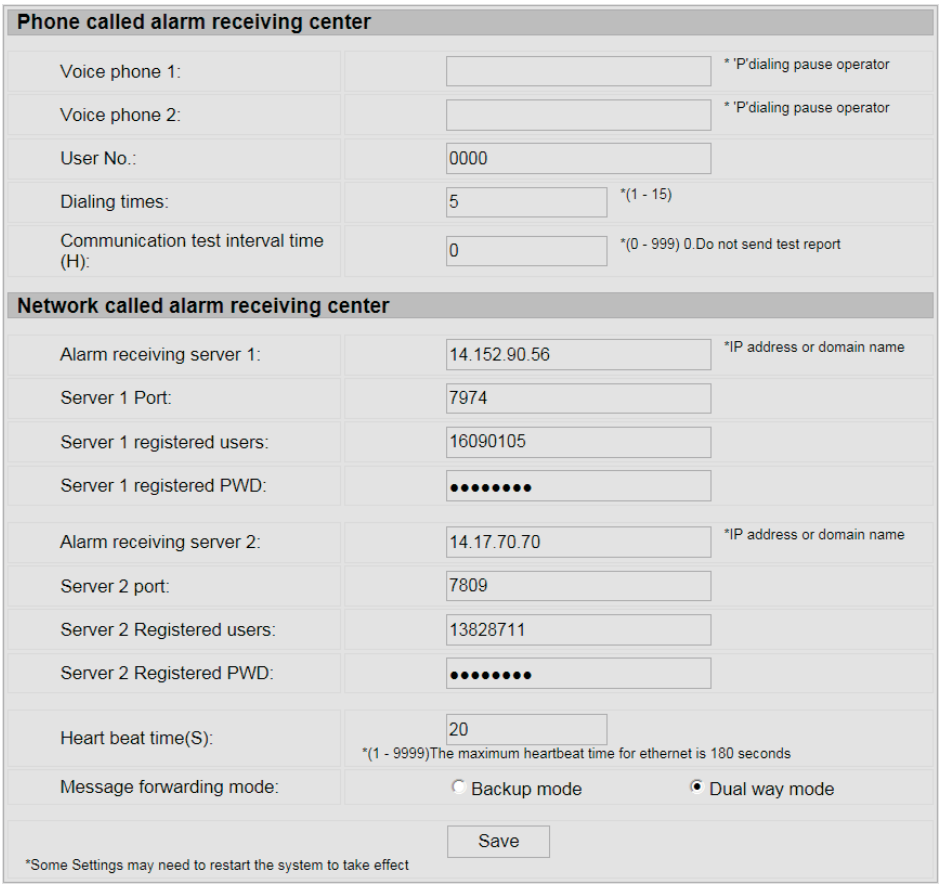
2.3 User password setting: Password is 4 digits. You can set 32 user passwords. Every user password can control 1-4 areas.For example, you can set password NO.01 to control the Area1 and Area 3.



3. CMS

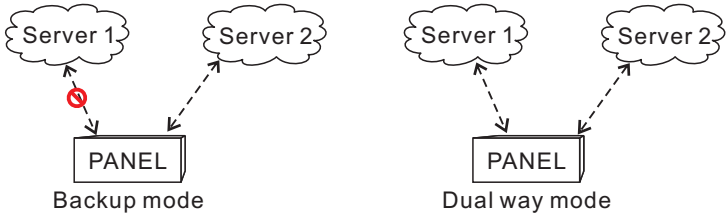
Click icon CMS for CMS .

3.1 Phone called alarm receiving center: When you set alarm receiving phone, enter P and the dial will pause for one second. The default times of dialing is five times. When the alarm is triggered, the panel will call the alarm receiving center. Then,the panel will dial 1-2 telephone numbers as preset.If more than 2 numbers, the panel will start with the second telephone number,then 1,2…



3.2 Network called alarm receiving center: The message forwarding mode can be set to backup mode and dual way mode. On back up mode, the alarm information will upload to Server Address 1 in priority and Server Address 2 will

be backup when Server Address 1 failed.On dual way mode, The alarm information will upload both Server Address 1 and Server Address 2. After setting, click Save. Then reboot.



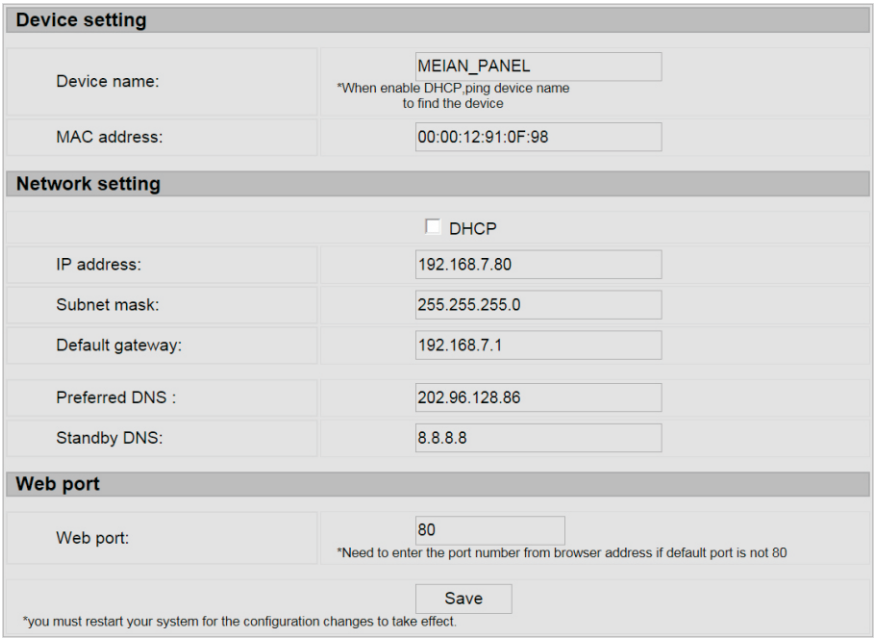
4. Network setting

Click icon for setting

4.1 Device name setting: Device name can be changed.But the MAC address can not be changed.

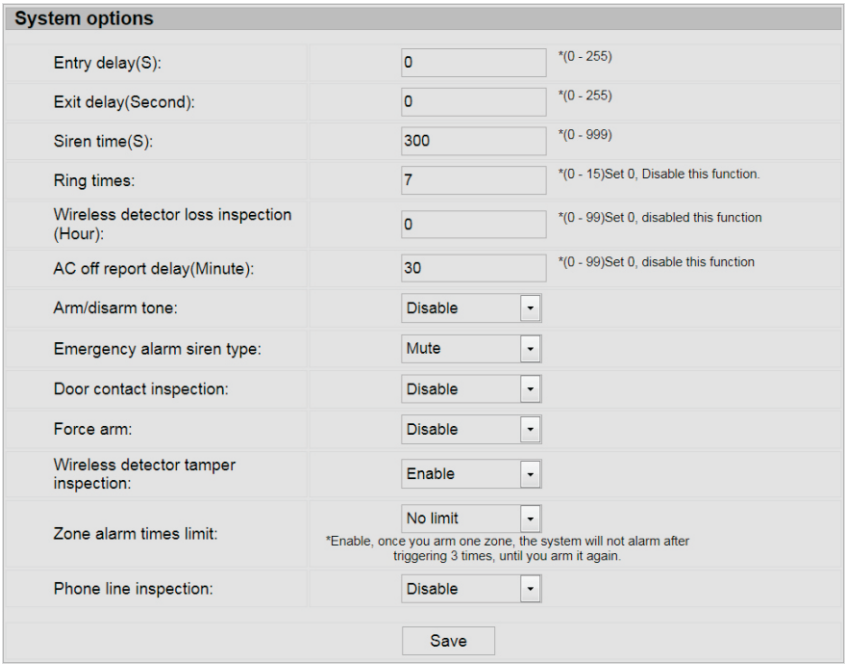
4.2 Network setting: Check DHCP will automatically obtain the IP address, and the previous IP address is not available.The factory default IP address is 192.168.1.200.User need set IP according to local settings,can not use the same IP for several alarm panels.

4.3 Web port: The default is 80. After setting, please restart the system to take effect.



5.System Options: Click icon to system options settings.

1. Entry delay is only for delay zones.
2. Exit delay time: User need exit within preset time after system armed.
3. Siren time: The alarm duration time after system alarm,default value: 5 minutes.
4. Ring times: User phones remotely to operate the panel and dials the phone number on the panel,default value: 15 times.
5. Wireless detector loss inspection: If the panel doesn't receive status signal or alarm signal within preset time,the panel will regard the detectors as loss.
6. AC off report delay: When system AC power cut, user can set the delay time to report to alarm receiving center,default value: 30 minutes.
7. Arm/disarm tone: User can enable/disable arm/disarm tone when arm/disarm system via remote controller.
8. Emergency alarm siren type: When alarm,the panel is mute or ring,default value is mute.
9. Door contact inspection: When door/window is not well closed,the system will receive zone trouble information from door contact if enable door contact inspection.Default value:Disable.
10. Force arm: When enable force arm,system still can be force armed when zones are in trouble and trouble zones will be bypassed automatically and system will send bypass information to alarm receiving center.When disable force arm,system can not be armed when zones are in trouble: Disable.
11. Wireless detector tamper inspection: default value: enable
12. Zone alarm times limit: If system is triggered more than once before system disarm or cancel alarm, the system will not alarm if user set zone alarm time as 1.Default value :3 times.
13. Phone line inspection: default value: disable.



6. Alarm receiving by users (Voice Phone)

Click icon enter into alarm receiving setting(Voice Phone).

6.1 Voice Phone: support 1-4 voice phone No.

6.2 Phone Area: Phone1/2/3/4 can remote control 1-4 areas, when there is a message coming from check mark areas. The host sends message to the voice phone No. that areas belongs to.

6.3 Phone Control Platform

Forwarding Server: offered by the operator Server Port: 18034 (default)

Device ID: automatic generation by host Login PWD: 09985678

APP Scan QR Code Register: Mobile app scan the QR code and automatic log into the correspond account.

Setting saved then making effect.

7. Wireless Devices

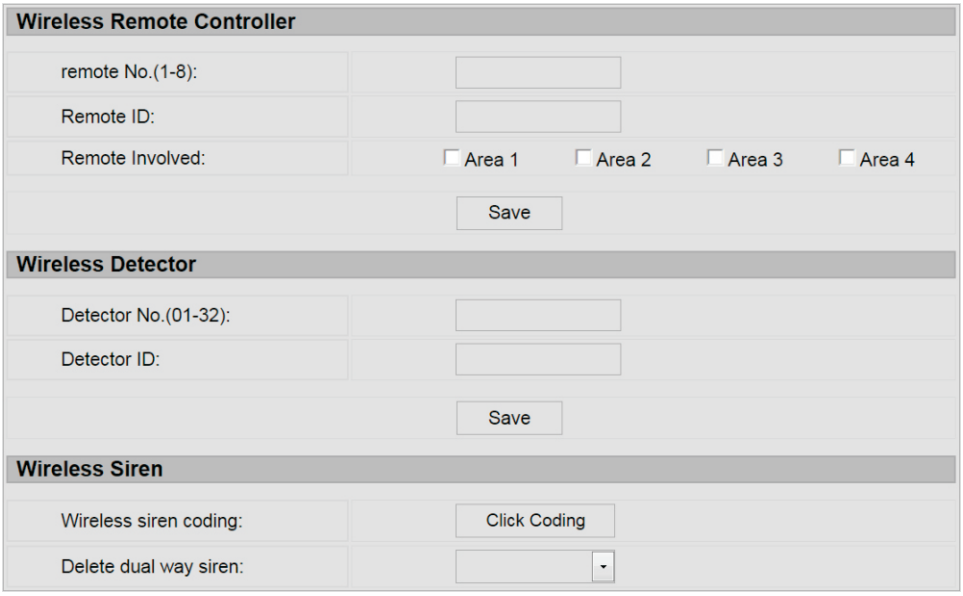
Click up icon enter into wireless device setting.

7.1 Wireless Remote Controller: Input the remote ID , code and check mark the owned areas, press save button. Users can remote control the areas that remote controllers belongs to.

7.2 Wireless Detector: Input the detector ID and code, press saved.

7.3 Wireless Siren:

7.3.1 Enroll wireless siren: Please make sure the siren away from the panel within 3 meters,press the siren code and hold on, and click the Click Coding.When you hear the beep sound of siren, you need to release the siren code button.After coding successfully, pls trigger the alarm panel once firstly to check the siren if it will sound and code successfully.

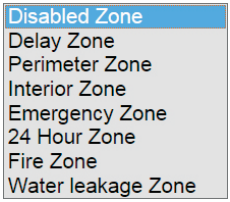


7.3.2 Delete dual-way siren: Click the dual-way siren column, and choose the siren you want to delete.

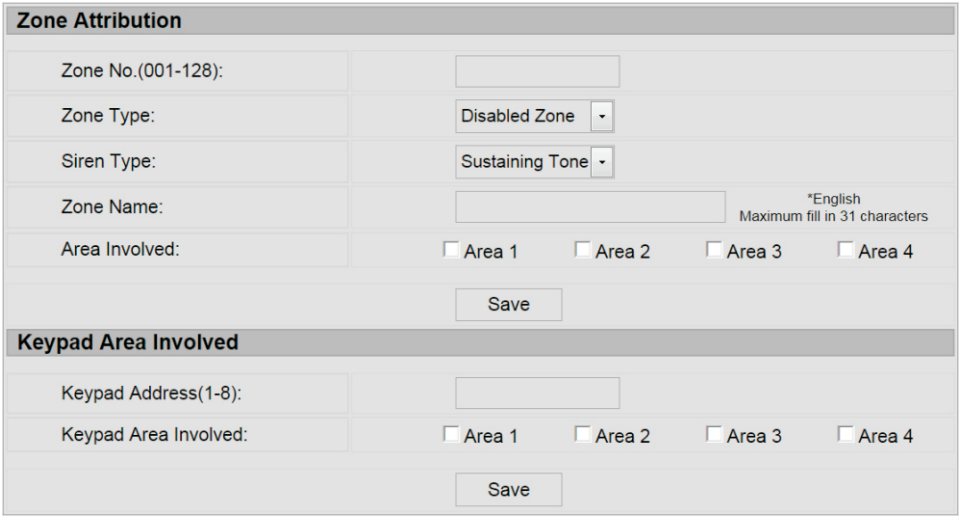
8.Zone Attribution

Click up icon enter into zone attribution.

8.1 Zone Attribution: 7 kinds of the zone type, default is disabled zone. Siren type have sustaining tone, impulsive tone and mute for options, default is sustaining tone. a zone permits itself belongs to 4 areas. Setting saved.



8.2 Keypad Area Involved: input the keypad address and check mark the keypad area involved. Setting saved.



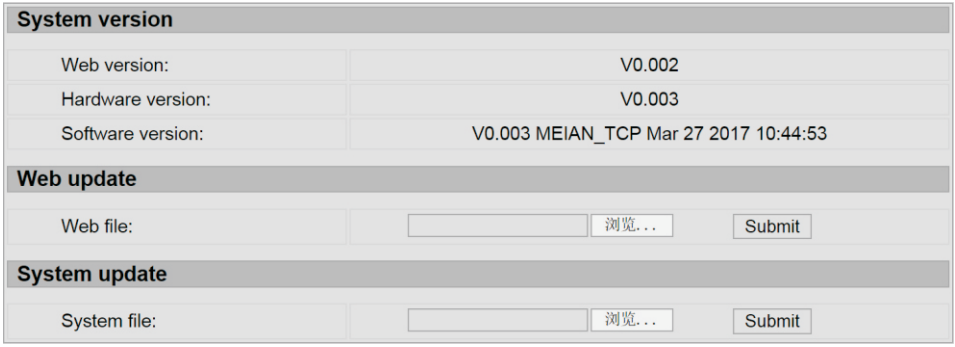
9.Event Log

Click up the icon enter into the event log, inquiry the areas/zones /user system recording, host can cycle storage up to 800 event logs recording.

Number	Time	Area	Zone/User	Event
1	2004-01-24 01:26:01	1	141	System Disarm
2	2004-01-24 01:25:59	1	141	System Arm
3	2004-01-24 01:13:19	1	155	System Disarm
4	2004-01-24 01:12:56	1	155	System Arm
5	2004-01-24 01:12:33	1	155	System Disarm
6	2004-01-24 01:12:26	1	155	System Arm
7	2004-01-24 01:04:42	1	141	System Disarm
8	2004-01-24 01:04:37	1	141	System Arm
9	2004-01-24 00:19:03	1	141	System Disarm
10	2012-01-01 08:00:01	1	0	System Low Battery
11	2012-01-01 08:00:00	1	0	Siren Faulty
12	2004-01-22 19:05:54	1	155	System Arm
13	2004-01-22 19:00:19	1	141	System Disarm
14	2004-01-22 18:59:33	1	141	System Arm
15	2004-01-22 18:57:35	1	0	System Programming Changed
16	2012-01-01 08:00:01	1	0	System Low Battery
17	2012-01-01 08:00:00	1	0	Siren Faulty
18	2017-01-09 15:06:09	4	155	System Disarm
19	2017-01-09 15:05:41	4	155	System Armed Stay
20	2017-01-09 15:04:44	1	10	Zone Bypass
21	2017-01-09 15:04:14	1	155	System Disarm
22	2017-01-09 15:00:35	1	155	System Armed Stay
23	2017-01-09 15:00:32	1	155	System Disarm
24	2017-01-09 15:00:12	1	155	System Arm
25	2017-01-09 14:50:14	4	155	System Disarm

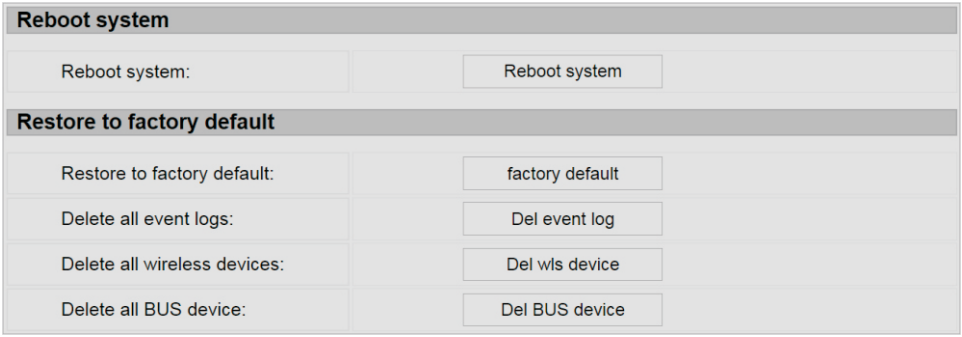
10.Remote Upgrade

Click up icon enter into the remote upgrade setting, to view the system version and hardware version, users need to download the install pack first, click “ Browse” will pop up a page and then select install pack click submit. The bottom of the page there will be a red strip and percentage display during the upgrade process, do not close the page and turn off the host power, once the upgrade is completed then reboot the host device.

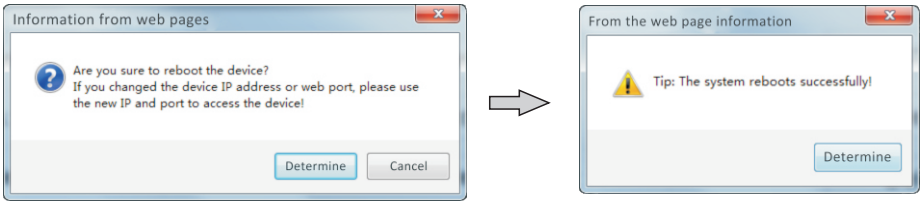


11. System Reboot

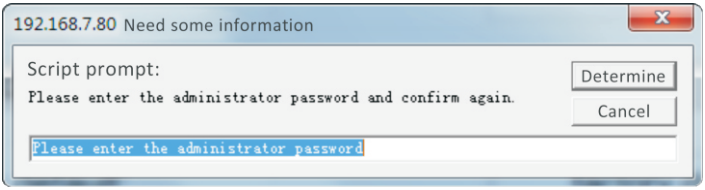
Click up the icon starting reboot system or restore to factory default setting.



11.1 system reboot, press confirm to reboot system and pop-up message box that reminder users are you sure to reboot the system? If yes, press confirm, otherwise press cancel.



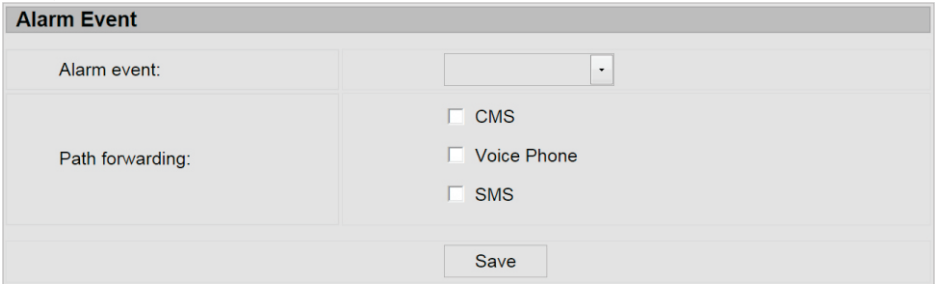
11.2. Set back to factory default, click factory default button and pop-up message box that reminder input the admin password. Please input the correct password and make the host restore to factory default setting.



12.Alert Setting

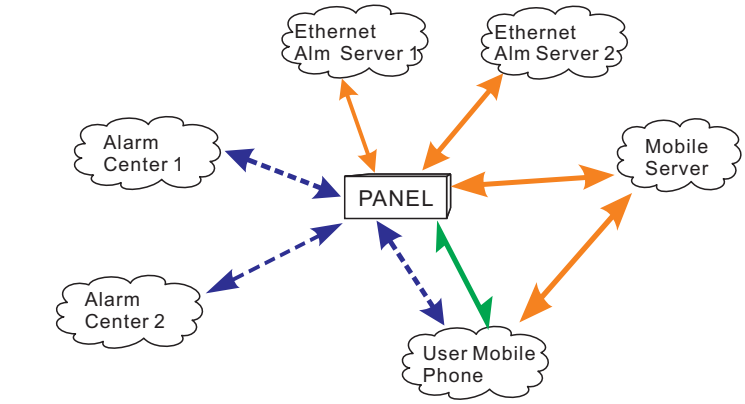
Click the icon enter into the alert setting.

12.1 Alarm Event: 42 alarm events for options, once trigger to alarm or system in fault status, it will notice to users as preset path forwarding ways. Un-checking a checkbox will disable it. As factory default setting is checked. please click save after setting up.

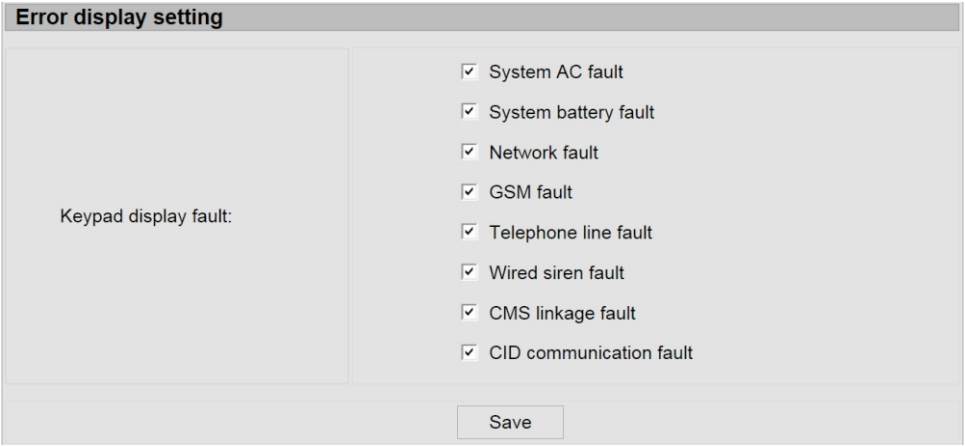


The panel will select the network to send the message in priority. When the network failed, GPRS will be connected to the CMS.When the Network CMS fails, the panel will send data to the CMS phone through GSM or PSTN ,and the panel will choose PSTN to send the data in priority.

Host sends data can choose whether to send to user or platform, and choose what ways to send to the user, when the network fault, it will enable the GPRS and connect to the platform, when Ethernet alarm server fault, it will send data to the mobile receiving server by the GSM or PSTN way, PSTN is priority for the host choosing. As below photo.

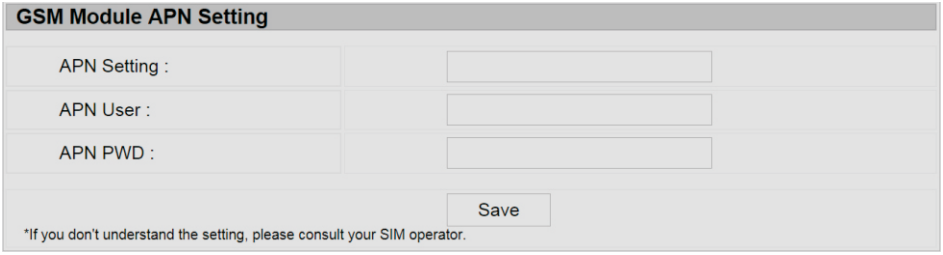


12.2 Error Display Setting (Keypad Display): When the network cable, SIM card are not insert and in not good way, the keypad LCD will show its fault, user can check the cable and SIM card and remove the fault.Host default setting is all ticked.



12.3 GSM Module and APN Setting

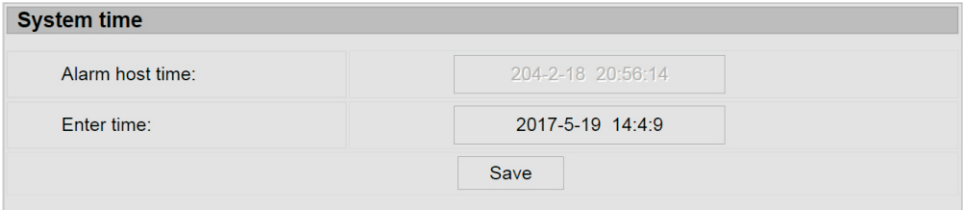
The setting of the SIM card access to the network, that is Sim card GPRS access point, APN account and password set by the users, If do not know the APN account and password, please consult your SIM operator.



13.Time Setting

Click the icon enter into the time setting.

13.1 System Time: Input the time from the enter time input box, setting saved, the keypad LCD display the time registration. Host have the power off memory functions, the precondition is that GSM already registered to the network, and the host is given a correct time by the users.



13.2 Timing Arm/Disarm: user ticks the areas that support disarm/stay arm/arm under the setting time, please click save and setting up. The system reminds you operation successful.

Timing arm/disarm

Timing 1:	00:00	◉ Area disarm ○ Area stay arm ○ Area arm	☑ Area 1 ☐ Area 2 ☐ Area 3 ☐ Area 4
Timing 2:	00:00	◉ Area disarm ○ Area stay arm ○ Area arm	☑ Area 1 ☐ Area 2 ☐ Area 3 ☐ Area 4
Timing 3:	00:00	◉ Area disarm ○ Area stay arm ○ Area arm	☑ Area 1 ☐ Area 2 ☐ Area 3 ☐ Area 4
Timing 4:	00:00	◉ Area disarm ○ Area stay arm ○ Area arm	☑ Area 1 ☐ Area 2 ☐ Area 3 ☐ Area 4

Save

*00:00 is an invalid time, which can be used to delete a certain timing.

Technical Specification

General information

1.External AC Power supply: input 110-240V AC, output 15V DC/3A
2.Built in rechargeable battery:12V/7AH
3.Battery stand by time:16 H
4.Frequency:433MHz/868MHz
5.Signal transmit distance: 100 to 120 meters (open area)
6.The method of alarming dial: DTMF GSM or GPRS
7.Communication protocol with CMS: Ademco Contact ID
8.DTMF dial frequency variation:≤1.5%

Physical performance.
Operation temperature range: 0℃-45℃(32F-120F
Storage temperature range: -20℃-60℃(-4F-140F)
Relative humidity: 85% at 30℃(86F)

Regular Test

Periodic testing

Design of components of the system is to reduce maintenance cost, but still it is suggested that periodical check may be carried out.

The Cleanliness of Control Main Machine

Main control panel may be stained by fingers or covered by dust after using for a while. Use soft cotton cloth or sponge to clean it, don't use any lubricant, liquid such as kerosene, acetone and strong gel which will damage appearance and the transparency of top window.
Attention: don't use any lubricant, liquid such as kerosene, acetone and strong gel which will damage appearance and the top transparency of window.

Limitation of the Products.

Although the products is a high standard products, there is also some limitation of them such as false alarm or no alarm. The reasons may be below:

Lack of maintenance, the system needs maintenance and test regularly test the sensitive of the detector may decrease and the siren may not whistle.

Lack of power supply if no power input and the back up power is not enough, the panel can not work normally.

Telephone line false, if the telephone line is cut, the panel could not send alarm signals.

Limitation of smoke detectors, if the smoke is far from the smoke detector, the detector could not alarm.

If the intrude break in through some door or window not monitored. Or someone know how to make the system not work.