DEFCON 6 W 4G

User manual

Brief

Thank you for purchasing the “smart home” products of our company, we hope our products can bring convenience and and protection for your safety!
The “smart home” system uses the most advanced digital sensing and control technology, it is a set of smart alarm control system of anti-theft, anti-fire, and anti-gas leak compatible with wired and wireless alarm.
4G network makes alarm information transmission more smoothly. This product does not need to memorize tedious commands. It is easy to operate, easy to learn and use.
The “smart home” system recommends the most advanced multi-random vault technology in safety and reliability, which effectively solve the problem of interference, false positives, false negatives that cannot be solved by similar system at present .The way the “smart home” system uses in the alarm signal on the common high-speed way CONTACT ID makes application of this series of products wider and compatibility stronger. The system can be widely used in family ,community,villas,shops,units and so on.
We recommend that you carefully read the instruction to facilitate you for a skilled operation and use to the product, so the product can better serve you.

we will not notice if there is a change of product performance, if you want to know the latest features,please contact with the relevant business.

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Chapter I Product Introduction

1. Alarm mode: There are two alarm modes: WiFi network and 4G network. 4G network has GPRS function. Remote arming and disarming, alarm information SMS prompting, SMS remote arming and disarming control and other functions can be realized through the CMS alarm receiving platform. WiFi is preferred during network transmission. network.

2. Using a new color screen, full touch buttons, LCD graphic display operation steps, working status, alarm process, intuitive and convenient to use.

3. 4G off-hook and voice calls have intercom function.

4. All alarms can choose the sending path, and the following 4 settings can be made:

A. Alarm center B. Voice call C. SMS D. Email

5. Sleep mode: After entering sleep mode, turn off the voice and prompt sound.

6. When idle, the alarm host is equivalent to a mobile phone, which can make calls through the 4G network to check the balance.

7. Associated defense areas: 8 groups of associated defense areas can effectively reduce false alarms or achieve other functions.

8. With 1 programmable output port, follow 5 kinds of alarm event output.

9. With 1 arm output port, output 12V voltage when arming.

10. Optional doorbell sound source: 1. Ding-dong sound 2. Welcome.

11. Remote telephone operation: It can be dialed in different places by telephone, and after password verification, operations such as arming, disarming, indoor dynamic and static monitoring, system status inquiry, and electrical switch control can be performed.

12. Voice alarm reception: the host alarms, and automatically dials the phone number preset by the user to feedback the alarm situation to the user. During the voice alarm process, it prompts to enter a password to prevent unauthorized users from misoperating the host.

13. 32 wireless defense areas, each wireless defense area can be added by the host automatically learning the code/input address code, manually inputting the address code on the APP/scanning the QR code on the back of the accessories, this product is compatible with all the same frequency wireless products produced by our company detector.

14. 4 wired defense zones, the loop type and response speed can be set to realize N.O. and N.C. alarms.

15. 1 single bus interface, which can access 32 single bus devices.

16. Code matching with other wireless supporting products: the host can learn up to 8 remotes, 16 smart switches, 1 wireless doorbell, 1 wireless two-way siren, any one-way wireless siren, and 16 RFID cards.

17. Phone number for receiving the police: 2 phone numbers for the alarm center and 4 phone numbers for the voice alarm can be set.

18. Event record query function: Voice broadcast 512 alarm information, such as tamper alarm, detector alarm, arming, disarming, battery undervoltage, including the time of occurrence, zone number, and type of alarm.

19. Timed arming and disarming: 4 groups of timed arming and disarming times can be set, and unattended automatic arming and disarming can be performed according to the set time.

20. Switch control: It can be remotely controlled by phone, or by SMS, and can also be manually turned on and off through the host/APP.

21. The zone can be set: The alarm type of each zone is preset when the product leaves the factory. Users can modify the zone type through system settings according to actual needs.

22. Clock: The built-in automatic calendar clock can be set consistent with the local time and can be automatically adjusted.

23. Password authority management: The host has 1 administrator password and 16 user passwords. The administrator password is mainly used by system administrators to set the host system; the user password is mainly used by users to arm and disarm in daily use, and remote control To ensure the security of the system, the administrator password and user password can be modified arbitrarily.

24. In the regional networking alarm, according to the number of users, the user can set a 4-digit user code on the host.

25. Automatic identification of alarm situation: After triggering the alarm, the alarm zone number will be displayed on the LCD screen. When used as a network alarm, the alarm location and specific alarm situation can be reported to the alarm center in detail.

26. The alarm mode is optional: it can be used by a single machine and a single household, and the alarm can be received by an ordinary telephone; it can also be connected to the alarm center to receive the alarm by a computer, and the alarm center and the ordinary telephone can automatically identify and be compatible.

27. Anti-sabotage alarm: cutting the connection line between the wired detector and the host is regarded as triggering the alarm of the defense zone and alarming.

28. Dismantling alarm: When someone deliberately dismantles the main unit and triggers the anti-dismantle switch of the alarm main unit, the main unit will immediately alarm.

29. Communication test of the alarm center: According to the set time interval, send information to the alarm center to check whether the communication between the host and the alarm center is normal.

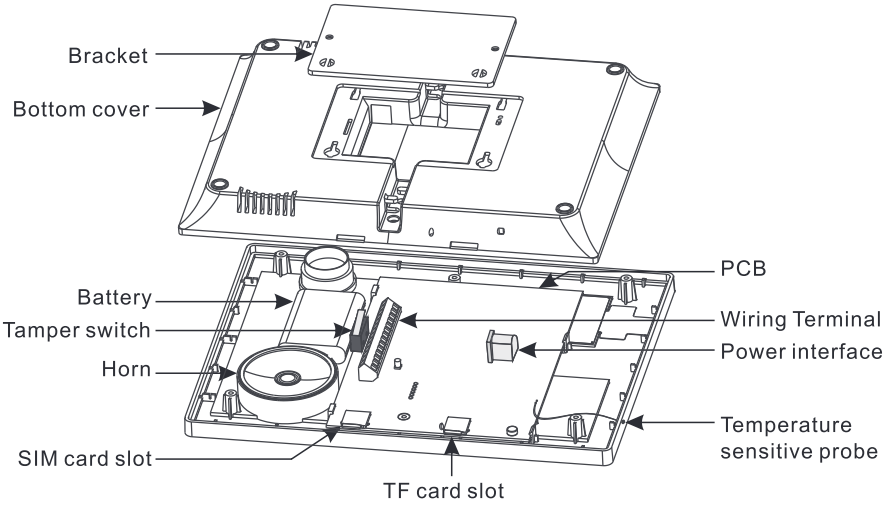
30. On-site whistle selection: built-in siren, or an external wired siren, which can be matched with the wireless high-pitched siren produced by our company. All high-pitched sirens can be turned off or on when the alarm is selected according to user needs.

31. Voice speaker volume adjustment: You can adjust the volume through the return key and the OK key on the host panel. The host has a total of 7 levels of volume adjustment.

32. Wireless relay relay function: The wireless repeater produced by our company can be used to receive and forward the signal of the wireless detector, which can extend the distance between the detector and the host.

33. Wireless detector battery undervoltage reminder: the detector sends a status report to the host every 1 to 3 hours. When the detector battery is undervoltage, the color screen will display the corresponding zone number and battery undervoltage symbol to remind the user, and The host will report this information to the alarm center.

Schematic diagram of decomposition



Chapter II Installation and Connection

2.1 Installation

1)Please refer to the steps below

A.Push the bracket downward and separate it from the main panel, as shown in Figure 2-1.

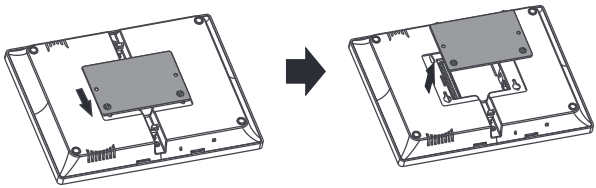


Figure 2-1

B. Fix the bracket on the wall with screw.

C.Put the main panel on the bracket right, and push the main panel downward, as show in Figure 2-2.

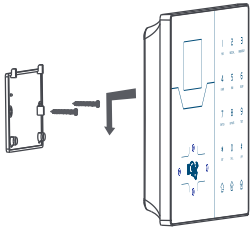


Figure 2-2

2)Please do not put big metal beside the main panel. They may effect the wireless RF signal.

3)When install the main panel, please pay much attention to the signal of RF detectors.

Make sure, all RF detectors are in the coverage area.

2.2 SIM card and TF card insertion

SIM card insertion: The inserted SIM card is a Micro SIM card. Please insert the SIM card in the power-off state, with the magnetic side facing down and the folded corner facing outwards until it is firmly inserted (as shown in Figure 2-3).

4G is displayed at the top right of the display when the SIM card is enabled.

TF card insertion: When inserting the TF card, the groove is facing outward, and the chip is inserted downward. The TF card is used by the manufacturer's upgrade program. Users should not insert it without permission. If you need help, please contact your dealer.

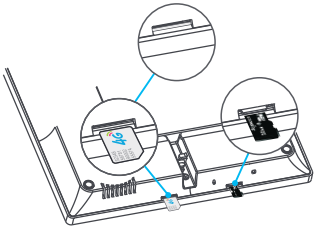
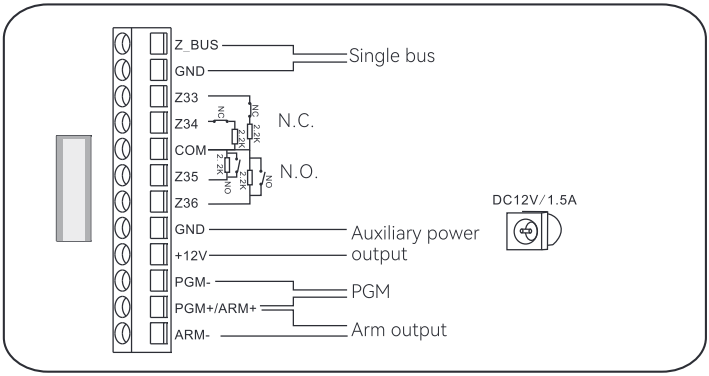


Fig. 2-3

2.3 Connection (The wired zones support N.O.N.C detectors)

As pictures



2.4 Installing the Single Bus Detector

After the host is connected to the single-bus device, you can enter the host system settings - bus settings to set. Up to 32 single bus devices can be connected.

2.5 Install wired detector

2.5.1 The wired zones is disabled factory default.When to use wired zones, please enable the zones firstly.When wired zones is in trouble,the panel will voice prompt" operation failed,Zone trouble" if users try to arm the panel. The zone number will be also display on the LCD screen.At this time arm system is not allowed unless you force arm.

2.5.2 The control panel can power 12V, 100mA to detectors.The max current is 100mA.Do not exceed 100mA,otherwise please use extra power supply.

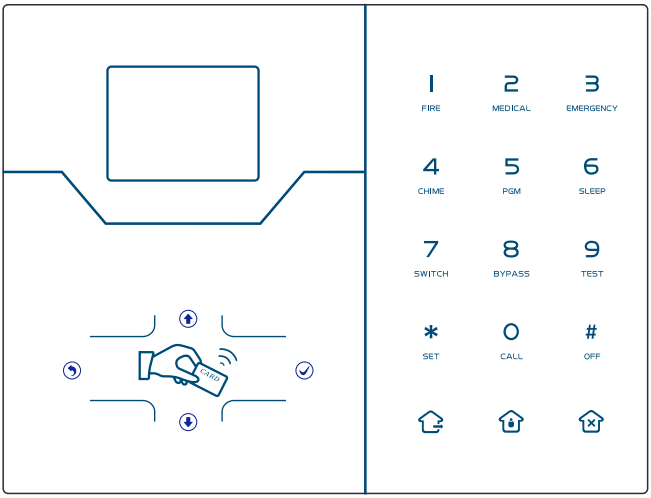
2.6 Install wireless detector

2.6.1 As the detector's manual says,install coded detector in the area 150m from the control panel.Please make the walk testing and make sure detector can work with control panel normally.

2.6.2 Wireless repeater function:(product item No.PB-205R)when wireless detector is too far from the panel or some occluders between panel and detector which disable the panel receive the signal from wireless detector. Now you can choose the repeater to make wireless repeater to achieve wireless signal relay transmitting.

Chapter III Key description and Basic operation

3.1 Key description



	Arm
	Home Arm
	Disarm
	RFID Card
	Up key
	Down key,System status/zone status/Bus status/Event log inquiry key
	Return key, volume reduction
	Confirm key,volume plus

1 FIRE	Press 3 seconds to trigger fire alarm
2 MEDICAL	Press 3 seconds for medical help
3 EMERGENCY	Press 3 seconds for SOS
4 CHIME	Press 3 seconds and enter user code to enable or disable delay zone door bell
5 PGM	Press 3 seconds then enter user code to enable or disable PGM output
6 SLEEP	Press 3 seconds to enter or exit sleep mode
7 SWITCH	Press 3 seconds then enter user code to enable or disable electrical power switch
8 BYPASS	Press 3 seconds then enter user code to bypass zones or activate zones
9 TEST	Press 3 seconds then enter user code to proceed normal testing,siren testing and walk testing
0 CALL	Press 0 for 3 seconds to make phone call through 4G, the talk time up to approximately 240 seconds
* SET	Set/Select down key/Previous page
# OFF	Confirm/Open options key/Next page

Sleep mode: all LED indicators,backlight,voice,remind tone will be disabled under sleep mode,The panel will exit sleep mode automatically when users enter system setting or when alarm occurs.
Bypass zone: bypassed zones means zones disabled.Bypass zones will be canceled when users disarm systems under home armed or armed status.
Communication test: To test the communication between the panel and the CMS if normal.
Siren test: To test if siren working normal.
Walk test: To test if the detectors are working normally with the panel and alarm.

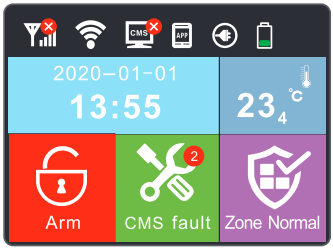
3.2 Basic operation

Factory default
Administrator password: 012345
16 User passwords,No.01 factory default is 1234.No.02-16 of the user password is blank and can not enter the user setting until user set the password.

Disarm: User password [1234]+Disarm key
Home arm: Home arm key

Arm: Arm key
Event Log: Press Down key to choose event log + ✓
Shutdown:AC power off firstly, in disarm status, Press # key for 3s, enter 1234# command.
Enter System Setting: Press * key for 3s, enter admin password 01235# command.
Enter User Setting: Press * key for 3s, enter 1st user password 1234# command.
Forget Password: Shutdown firstly, within 60s of AC power on, press * key for 3s, enter 000000# command to reset.
Page turn: After entering the system settings, press * to turn to the previous page, and # to turn to the next page.
Zone Inspection: Do not inspect wired zones within one minute of panel power up.
Notice: ①Only under disarm status of panel, enter system settings and user settings.
②Within 60s of AC power on, the system do not inspect wired zones.

3.3 LCD icon



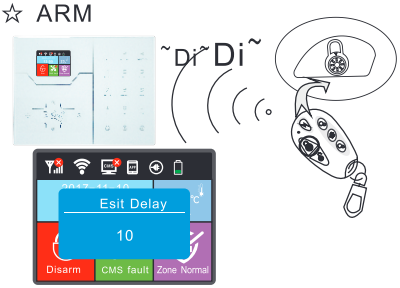
Icon	Meaning
	4G signal strength
	Enable Internet CMS
	Power supply
	Arm

Icon	Meaning
	Home arm
	Fault prompt
	Zone status
	WiFi
	APP control
	Built-in battery level
	System disarm
	Temperature
	Humidity

1.**System fault display:** " ⊗ " above the icon indicates that the function is faulty. If WiFi is not connected, the icon is displayed as " ". When WiFi is connected, the display is normal, and the number of all faults is displayed on the icon " " corner mark Prompt and the text below the icon shows the fault function;
2.**Zone fault display:** When the zone fails, the corner of the zone icon shows the number of faults and the text below the icon shows "zone fault", and when the fault is removed, "zone normal" is displayed. Fault details can be queried by entering the user settings. **After the host alarms the user to disarm, the screen still displays the zone alarm, and the screen will return to normal after disarming again.**

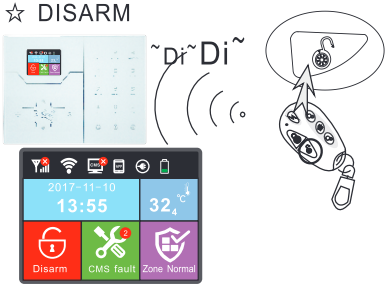
3.4 System Arm and Disarm

☆ ARM



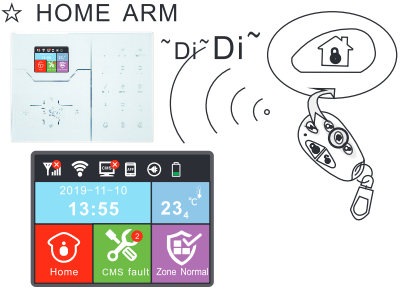
Press the arm key on remote or the keypad, then you hear system armed, please exit the protection area there will be Di-Di sound to confirm the system is armed successfully.

☆ DISARM



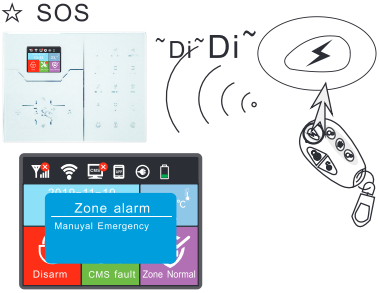
Press the disarm key on the remote or enter your user password on the keypad,then you will hear Di-Di and voice “system disarm”, then you have disarm successfully.

☆ HOME ARM



Press the key for home arm on the remote or HOME key on the keypad, then you will hear 'system home' and it display home arm icon on the LCD screen.

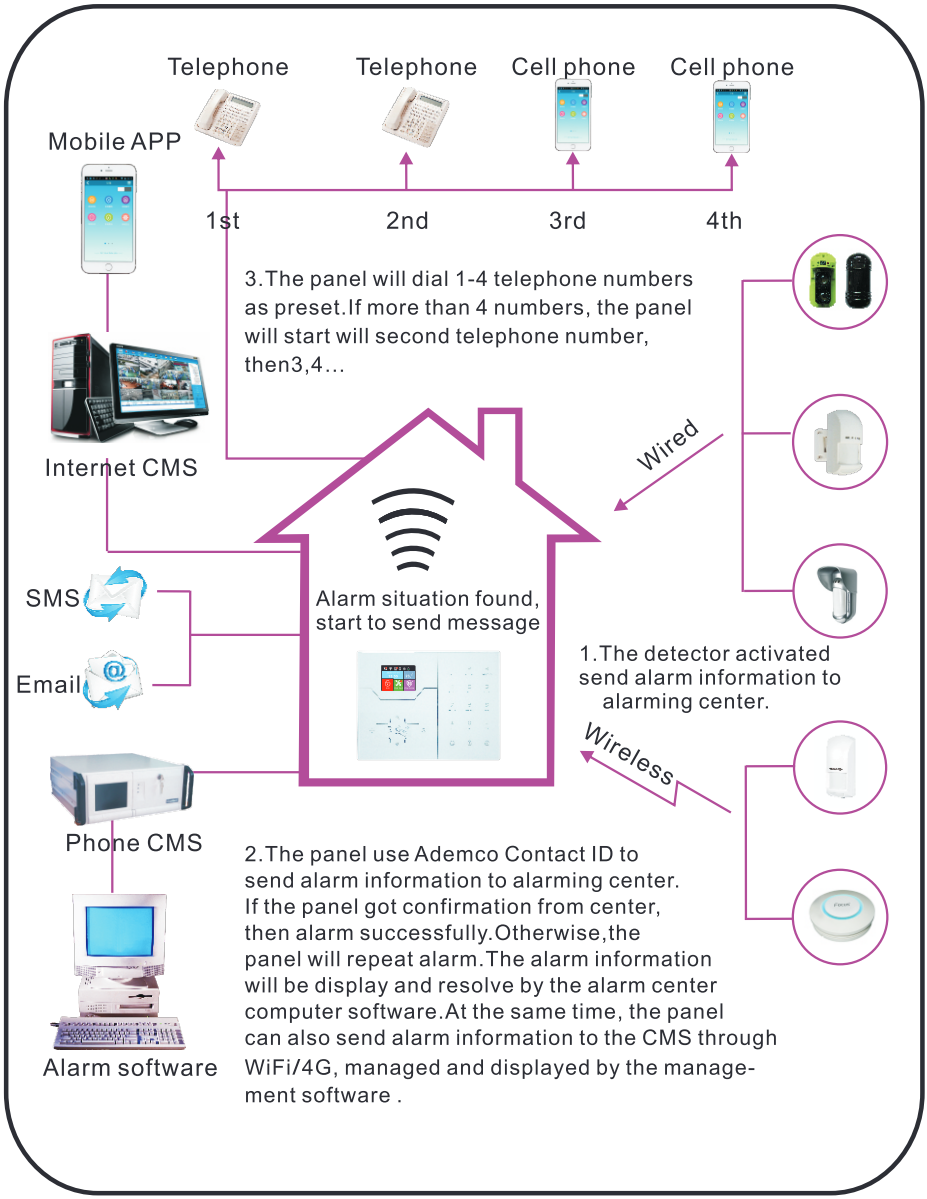
☆ SOS



Press the panic button on remote, or press 3 key on panel for 3 seconds,it will trigger to alarm.

The codes of arm/disarm via different ways:
Arm/disarm via remote controllers: 1-8 remotes-----#42-49
Arm/disarm via user codes: 1-16 user codes----#01-19
Arm/disarm via phone call: 1-4 user phone number ----#50-59
Arm/disarm via CMS: #60
Arm/disarm via auto timer : #80
Arm/disarm via key zone: #81
Arm/disarm via RFID Card: #20-39
Arm/disarm via RFID reader users:100
Unknown control: #90

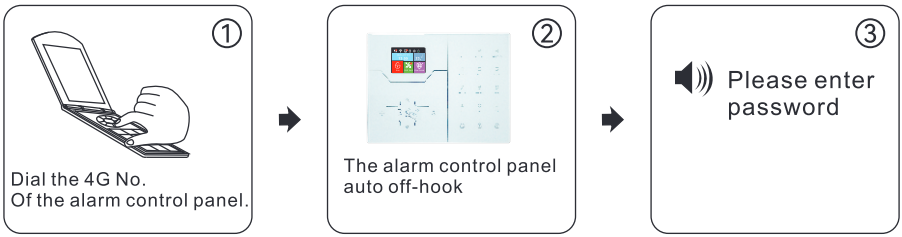
3.5 Alarm procedure



Chapter IV Voice Alarm Receiving And 4G Control

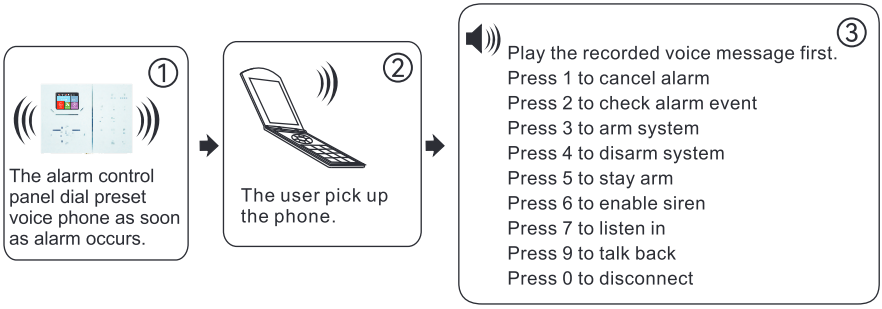
4.1 Remote phone control

User make phone call to the 4G No.of the alarm control panel.Directly connect to the alarm control panel,according to the voice prompt to enter the user password as below photo.



4.2 Alarm receiving phone operation

When alarm,the panel will dial the preset voice phone number,when the user pick up the call,they will hear the voice prompting as below, if not press 1 to cancel the alarm or press 4 to disarm the system,after off-hook,the panel will call other preset voice phone numbers.



4.3 4G control via SMS

Arm Command	#PWD1234 # ARM
Disarm Command	#PWD1234 #DISARM
Home Arm Command	#PWD1234 # HOME
Status Checking command	#PWD1234 # CHECK
Enable programmable output port	#PWD1234 # PGM OPEN
Disable programmable output port	#PWD1234 # PGM CLOSE
Enable appliance switch command	#PWD1234 # SWITCH OPEN **XX**(XX=01-16 on behalf of appliance switch number)
Disable appliance switch command	#PWD1234 # SWITCH CLOSE **XX**(XX=01-16 on behalf of appliance switch number)

Note:

1, the factory default user code is 1234, when arm successfully, SMS auto reply ‘ arm successfully’ , if the password is correct, the command is not correct, SMS will reply ‘ operation failure’ , if the password is not correct, no SMS reply.

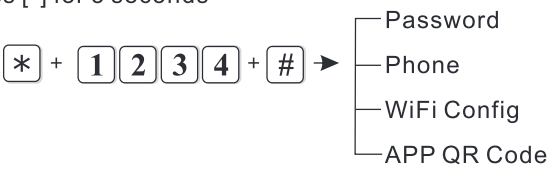
2, 'FOR Enable/disable the appliance switch

#PWD1234 # SWITCH OPEN XX(01-16)

XX is for electric switch serial number from 01-16, there is space between ‘OPEN’ and ‘XX’

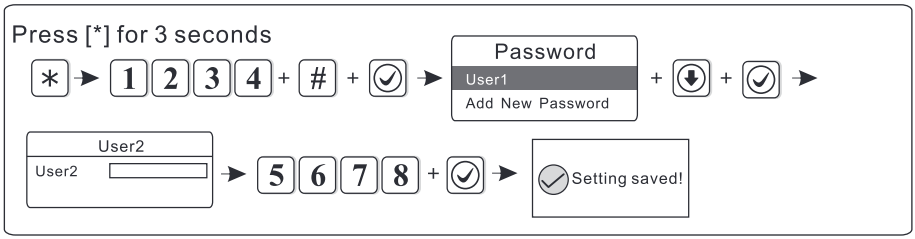
Chapter V User Settings

Press [*] for 3 seconds



5.1 Set User Password

For example: set No.2 use password as 5678



Note: Can set 16 user passwords,corresponding password No. From 01 to 16,Only No.1 password can enter user setting.

5.2 Set Voice Phone(refer to 6.4)

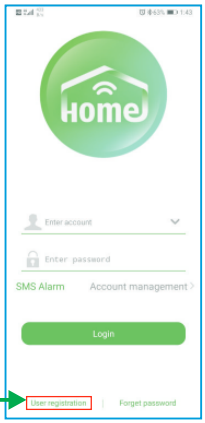
5.3 WiFi config

Pls scann and download app to your smart phone before wifi configuration.

Android

iPhone

Click the icon below to enter settings.



For new users, please click "user registration".

Fig. 5-1

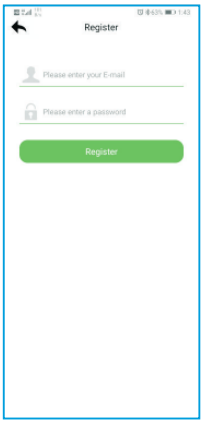


Fig. 5-2

Click the app to enter login interface .
User name: (EMAIL)
Password: (set as you like)
After setting, please enter the code and click "Register".
After the registration is successful, the interface will automatically jump to the login interface, and the user clicks on login. (Fig. 5-1, Fig. 5-2)

The panel connect to the WiFi Network by ways of Smart Configuration and Hotspot. Following operations will take andriod app as example. IOS version similar to the below steps.

Note: Please select the WiFi in the 2.4G frequency band for configuration, otherwise the configuration will be unsuccessful!

Method 1:Smart Configuration

Step 1. Press and hold the [*] for 3 seconds,
voice prompt: enter password,
input [1][2][3][4] + [#] + [↓][↓][✓] + [✓]
enter smart config interface to enable the smart phone configuration mode.

Step 2: Mobile phone connected to WiFi, log in to the registered account and enter the setting interface - WiFi setting - Smart setting WiFi - Color screen host, Fig.5-3,5-4,5-5,5-6.

Fig. 5-3

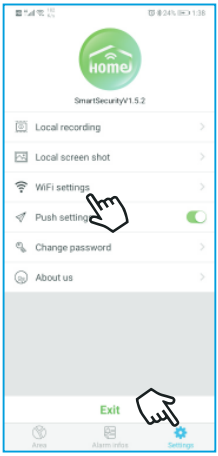


Fig. 5-4

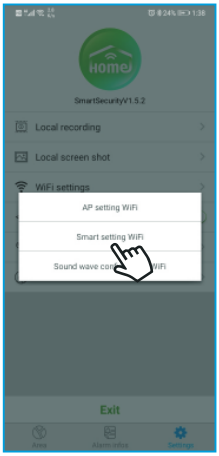


Fig. 5-5

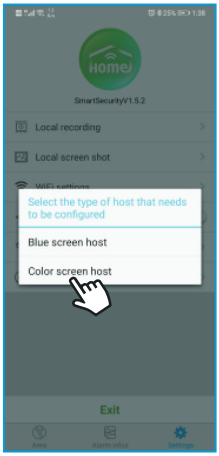


Fig. 5-6

Step 3: Enter the name and password of the WiFi to be connected(Fig. 5-7), click “Start Config”, and click Host when the host screen displays ✓ “Configuration complete”(Fig. 5-8).

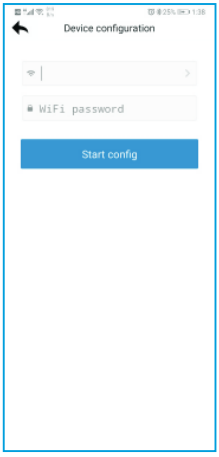


Fig. 5-7

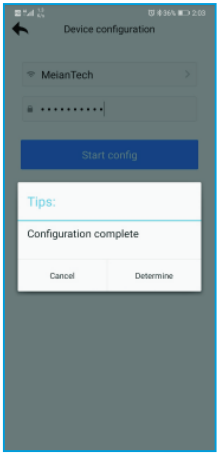


Fig. 5-8

Step 4: After the configuration is completed, the scanning interface is automatically entered.Return to the host standby interface.
Press and hold the host [*] for more than 3 seconds, the voice prompts "Enter the password".
Input [1][2][3][4] + [#] + [↓][↓][↓][✓]

Open the QR code of the APP and scan it. After the scan code is successful, you can add the host to the APP.（Fig. 5-9, 5-10, 5-11）

Fig. 5-9

Fig. 5-10

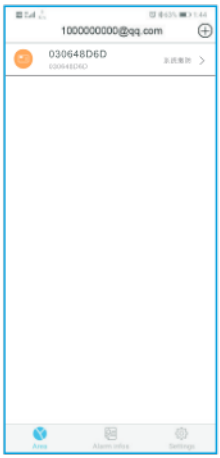


Fig. 5-11

Method 2:AP setting WiFi

Step 1: Log in to the registered account, select “Settings”- “AP setting WiFi” - “Color screen host”.

Step 2: Enter the available WiFi name and password in the hotspot setting WiFi interface（Fig. 5-12）, click to start configuration, and the pop-up window prompts the operation steps.（Fig. 5-13）

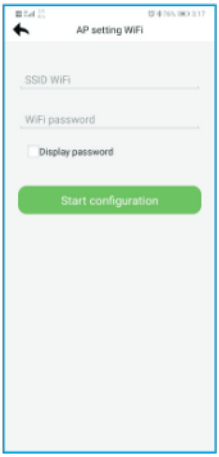


Fig. 5-12

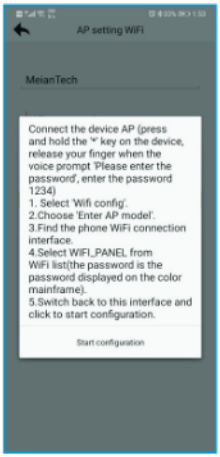
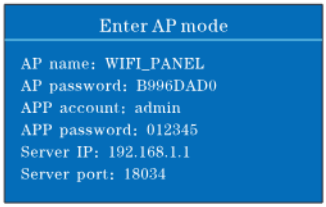


Fig. 5-13

Step 3: Press and hold the host [*] For more than 3 seconds, the voice prompts "Enter the password".

Input [1][2][3][4] + [#] + [↓][↓][✓] + [↓][✓]

Enter AP mode;



Step 4: Open the phone WiFi settings, select the hotspot name and enter the hotspot password to connect; switch to the phone configuration interface and click "Start Configuration" (Fig. 5-14, 5-15, 5-16).

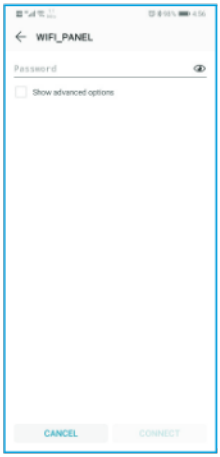


Fig. 5-14

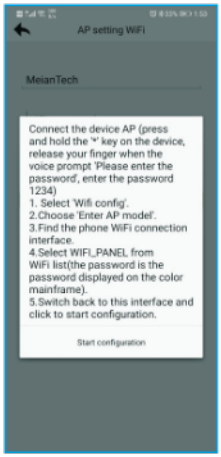


Fig. 5-15

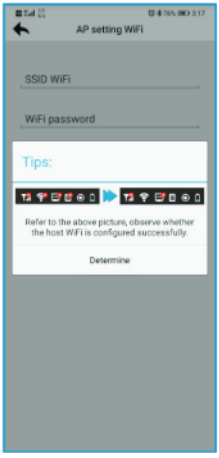


Fig. 5-16

After the configuration is completed, the host color screen is displayed to indicate whether the WiFi is normal. Click "OK" to enter the scanning QR code to add the host interface. Please refer to step 4 in Method 1.

5.4 Add Cameras

Click the icon " + " in the device list - click "Network Camera" in Fig.5-11 to enter the camera add interface, you can add the camera by manual input and scan code to add devices:

Scan: click IP camera, scan the QR code label on device(Fig.5-17,5-18), add successfully windows pop up, click confirm.

Manually: click IP camera, click manual to enter manually adding interface,as Fig. 5-19.

Fig. 5-17

Fig. 5-18

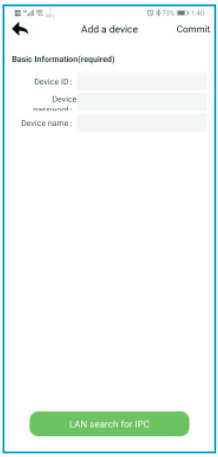


Fig. 5-19

Device ID: The ID # under the QR code
Device Password: default 123456
Device name: Programmable
Click commit

Note: Refer to the camera manual for details on how to use the camera.

5.5 Camera Binding Host

Camera binding needs to be done while the camera has been added to the APP and the camera is online.

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

Click on the online host to enter the cloth withdrawal operation interface (Fig. 5-20), select Settings button > Zones (Fig. 5-21) > Zone 1 (Fig. 5-22), enter the name of the Zone, select Zone type and Alarm type, click "Bind device", tick the camera to be bound and save, return to Preventive Zone 1 and click "Save" to take effect. (Fig. 5-23, 5-24, 5-25)

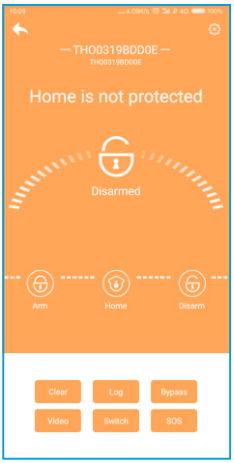


Fig. 5-20

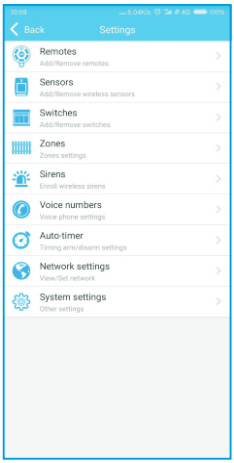


Fig. 5-21

Fig. 5-22

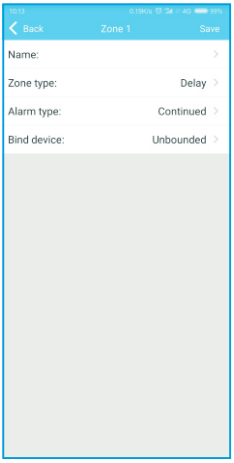


Fig. 5-23

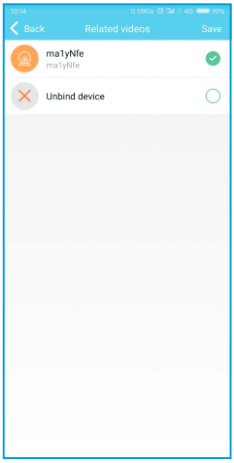


Fig. 5-24

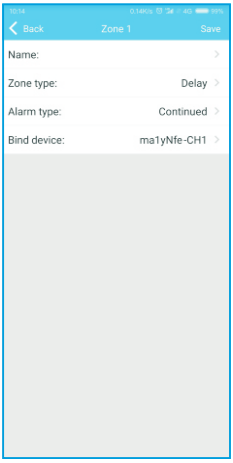


Fig. 5-25

Chapter VI System Setting

Press[*]for 3 seconds, voice prompt "Enter password"

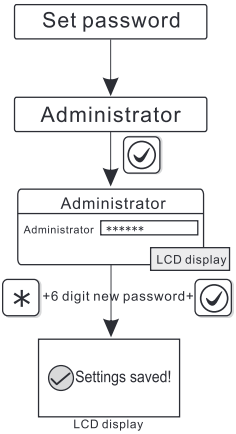
[*] + [0][1][2][3][4][5] + [#] ➔

6.1 Set password

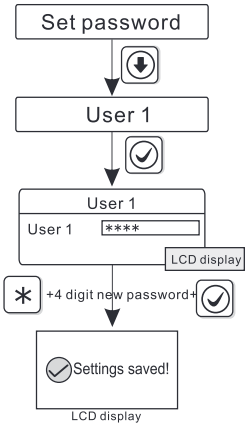
Press[*]for 3 seconds, voice prompt "Enter password"

[*] + [0][1][2][3][4][5] + [#] + [↓][✓] the following operations can be performed :

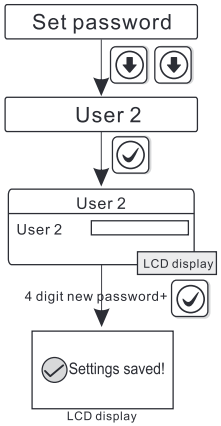
①Set admin password



②Set user 1 password



③Add new password:

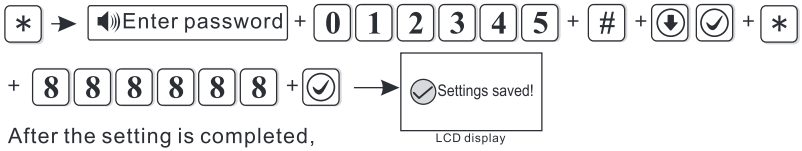


Note: Password setting is included user password and administrator password. user password mainly use to disarm the system, it is a private key for remote controlling, Administrator password is the sole password to set the system.

2.Administrator password is 6 digit, user password is 4 digit, can set 16 user password, corresponding password No. from 01 to 16, but No.02–16 password can not enter user setting.

For example: Set admin password as 888888

Press[*]for 3 seconds



After the setting is completed,
the screen will automatically return to the upper interface

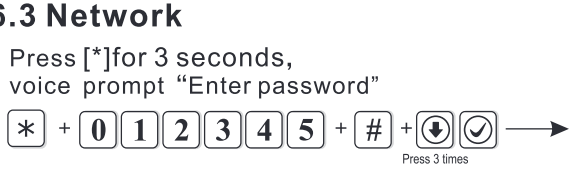
Note:1. Above base on the correct operation, if incorrect operation occurs, please press back key to back previous menu.

2.The factory default of admin password is 012345, user password is 1234, if you have modified the password, please refer to the new password.

6.2 WiFi settings (see "5.3 WiFi configuration" for details)

6.3 Network

Press [*]for 3 seconds,
voice prompt "Enter password"



- DHCP
- IP
- Gateway
- Subnet Mask
- Preferred DNS
- Alternate DNS
- Web Port

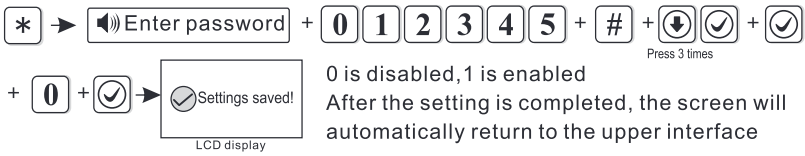
Note: Just can set host IP ,gateway, subnet mask and DNS when DHCP is disabled.

6.3.1 DHCP

Enabled DHCP means using DHCP server to assign IP address, subnet mask and default gateway automatically.(default is enabled)

For example: Disabled DHCP

Press[*]for 3 seconds



0 is disabled,1 is enabled
After the setting is completed, the screen will automatically return to the upper interface

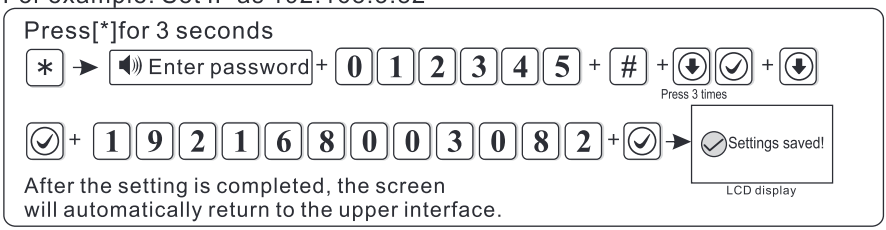
6.3.2 IP

①The default DHCP function is enabled，please disabled DHCP when you set host IP.

②User need to set up the network parameters according to the actual network environment . when there are more panels in the same network, the IP of panels must be different.

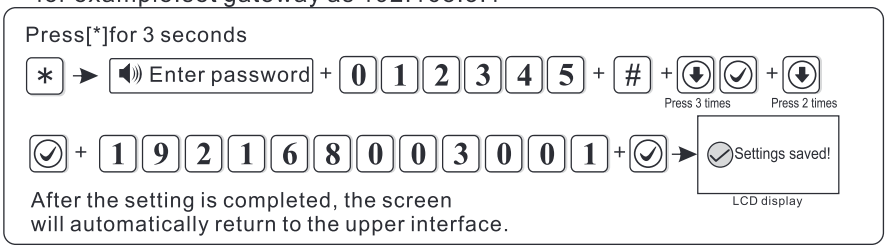
③Setting the IP address, if it is not enough 3 digits, please fill in the 0 before the digits,for example “192.168.1.81", need to enter “192168001081" from keypad. after setting IP address, then exit system setting and auto restart to make the setting in valid.***Note: when DHCP is enabled, this setting is invalid.***

For example: Set IP as 192.168.3.82



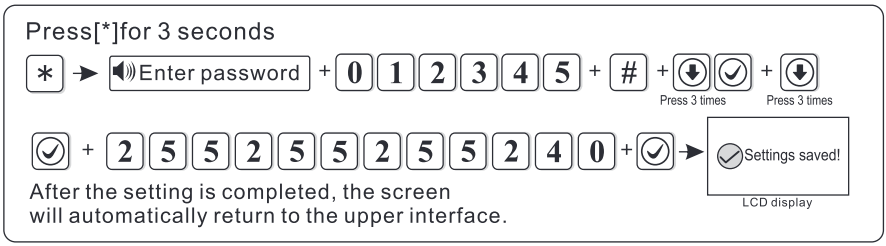
6.3.3 Gateway

User can set network gateway according to the local actual conditions, for example:set gateway as 192.168.3.1



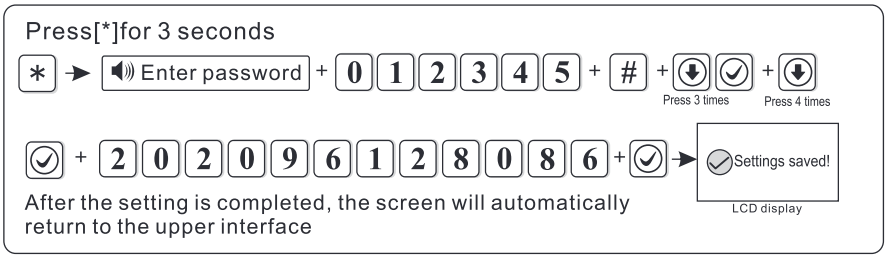
6.3.4 Subnet mask

For example: set Subnetmaks as 255.255.255.240



6.3.5 Preferred DNS

For example: set preferred DNS as 202.096.128.086



6.3.6 Alernate DNS

Please refer to the above operation method.

6.3.7 WEB port

Please refer to the above operation method.

6.4 Set CMS

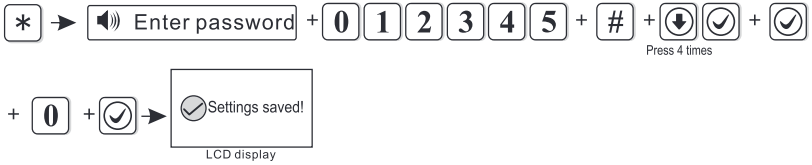
Press [*] for 3 seconds,
voice prompt“Enter password”

- Phone CMS Enable
- CMS Phone No. 1
- CMS Phone No. 2
- CMS user Number
- CMS Dialing Times
- Internet CMS Enable
- Sever IP
- Sever Port
- Sever Account
- Sever Password
- Sever Heartbeat

6.4.1 Phone CMS Enable(the default is enabled)

For example: make phone alarm platform disabled

Press[*]for 3 seconds



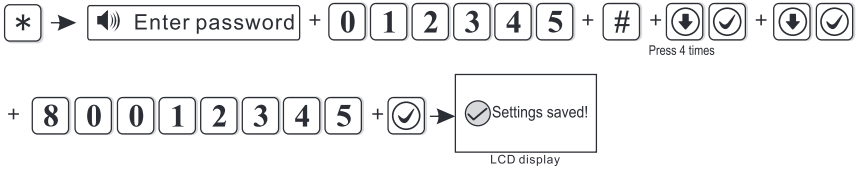
0 is disabled,1 is enabled, after the setting is completed, the screen will automatically return to the upper interface

6.4.2 CMS Phone No. 1

When alarm is triggered, the panel will dial CMS telephone number to inform central monitor server, CMS telephone number max.17 digits.

For example: Set CMS telephone number as 80012345

Press[*]for 3 seconds



After the setting is completed, the screen will automatically return to the upper interface

6.4.3 CMS Phone No. 2

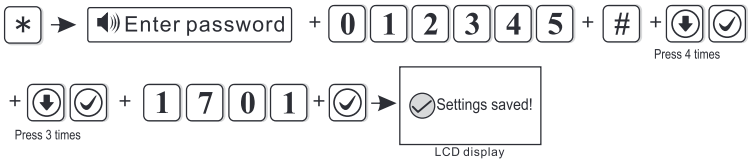
Please refer to 6.4.2

6.4.4 CMS user Number

The user No. is the identity code of the user at the alarm center.

For example: set user No. as 1701

Press[*]for 3 seconds

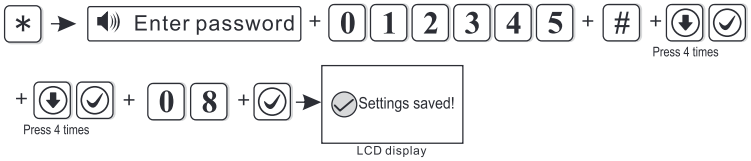


After the setting is completed, the screen
will automatically return to the upper interface.

6.4.5 CMS Dialing Times

When alarm happens, the device will dial the CMS telephone no.1 and no.2 the factory default is 5 times, if the call is still not answered after 5 times, it will stop to dial out . for example: set dial times as 8.

Press[*]for 3 seconds

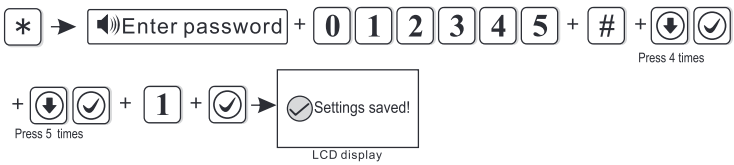


Dial times can be set as 1-15, high perch fill 0 when less than 2 bits.
After the setting is completed, the screen
will automatically return to the upper interface.

6.4.6 Internet CMS Enable(the default is disabled)

For example: Enable network platform.

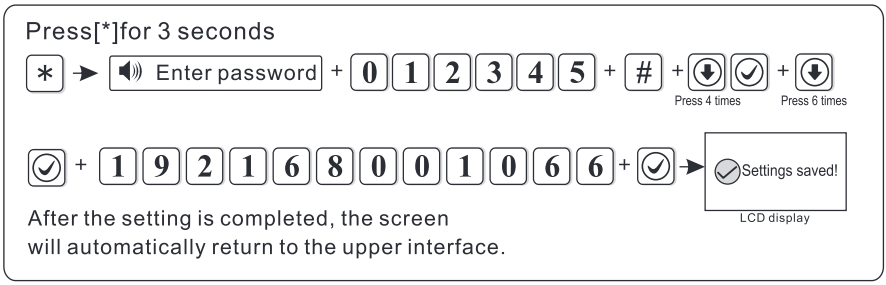
Press[*]for 3 seconds



0 is disabled, 1 is enabled, after the setting is completed, the screen will automatically return to the upper interface.

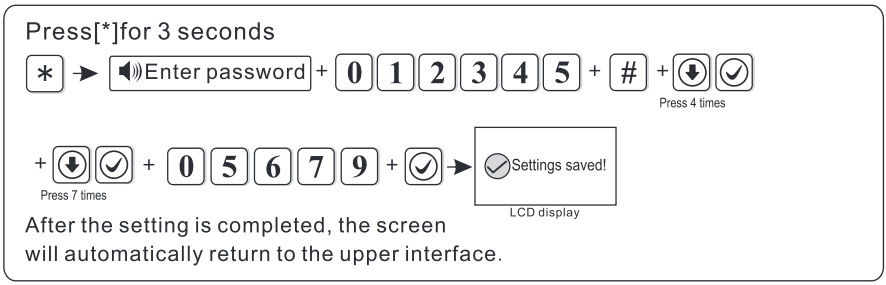
6.4.7 Server IP

For example: set server IP as 192.168.1.66



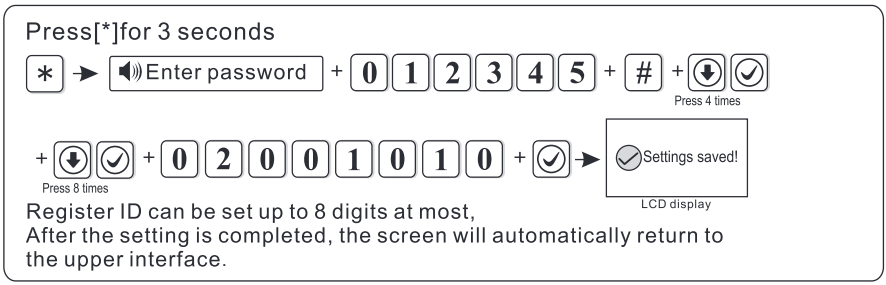
6.4.8 Server Port

For example: set server port as 5679（default is 7974）



6.4.9 Server Account

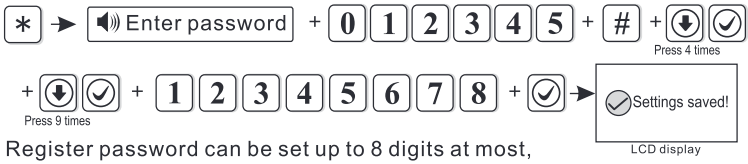
For example: set server register ID as 02001010.



6.4.10 Server Password

For example: set server register password as 12345678

Press[*]for 3 seconds

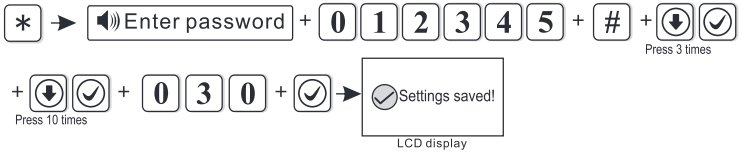


Register password can be set up to 8 digits at most,
After the setting is completed, the screen
will automatically return to the upper interface.

6.4.11 Server Heartbeat

Heartbeat time means the time interval that the device sending info to platform.every interval heartbeat time, the device will send heartbeat info to the platform. if the platform can not receive several heartbeat info, this device will be considered as offline, and record this offline in the platform data.
For example: set heartbeat time as 40s(heartbeat time is 1-255s,default is 180s)

Press[*]for 3 seconds



Enter a number between 1 and 255. If it is less than three digits, the high digit will be filled with 0. After the setting is completed, the screen will automatically return to the previous interface.

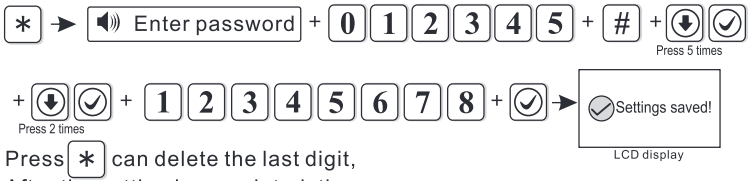
6.5 Set Voice Phone

Press[*]for 3 seconds, voice prompt
"Enter password"

6.5.1 Set voice phone number

When alarm happens, the device will dial user's phone no., it can set 4 voice phone no. each phone number can be set up to 17 digits at most.
For example: set voice phone 3 as 12345678

Press[*]for 3 seconds

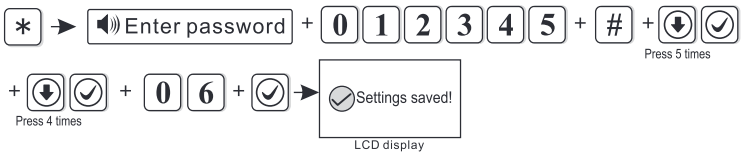


Press * can delete the last digit,
After the setting is completed, the screen will automatically return to the upper interface.

6.5.2 Dialing times

Default is 5 times.
For example: set voice phone dial times as 6.

Press[*]for 3 seconds

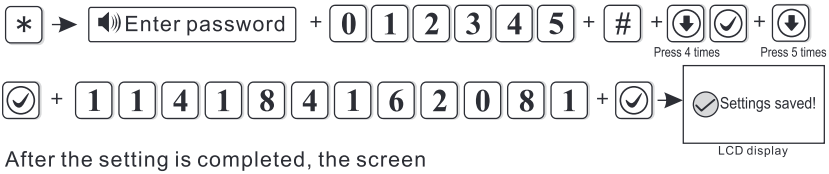


The number of dialing is 1-15 times, and the high digit is filled with 0 when it is less than two digits.After the setting is completed, the screen will automatically return to the previous interface.

6.5.3 APP server settings

①Set App server：default is 119.147.144.090
For example: set App server IP as 114.184.162.081

Press[*]for 3 seconds



After the setting is completed, the screen will automatically return to the upper interface.

②**APP Server Port:** default is 18034
③**APP Account**：same as panel's ID，for example1AB7113E.
④**APP Password**：Network forwarding platform APP login password, default is 12345678, user can change it, can enter 16 digits.
⑤**APP QR code**：Scan QR code via app to add login.

6.6 System options

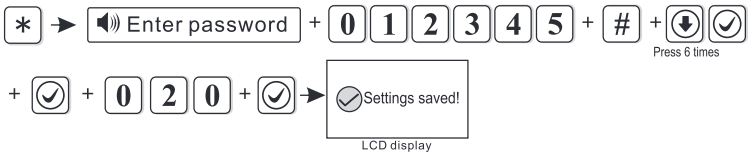
Press[*]for 3 seconds, voice prompt "Enter password"

- Entry Delay
- Exit Delay
- Siren Time
- Sensor loss
- AC off Delay Time
- Comm Test
- Arm/Disarm Tone
- Arm/Disarm Report
- Force Arming
- Door Open Check
- Sensor Tamper Check
- Alarm Times
- Emergency Siren Type

6.6.1 Entry Delay

When trigger delay zone, the panel will delay to alarm(default is 10s)
For example: set entry delay time as 20s

Press[*]for 3 seconds



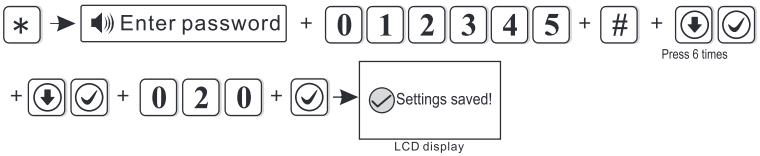
The entry delay time can be set from 1-255, high perch fill 0 when less than 3 bits.
After the setting is completed, the screen
will automatically return to the upper interface.

Note: the entry delay is only valid for the delay zone, other types of zone without delay.

6.6.2 Exit Delay

After user arming the system, the user has enough time to exit the protection area.(exit delay time is 1-255s, default is 10s)
For example: set exit delay time as 20s.

Press[*]for 3 seconds

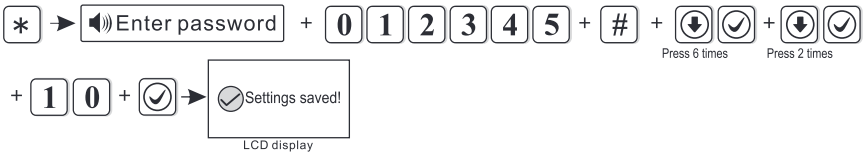


The entry delay time can be set from 1-255, high perch fill 0 when less than 3 bits.
After the setting is completed, the screen
will automatically return to the upper interface.

6.6.3 Siren Time

Siren time is 1-30 minutes, the default is 5 minutes.
For example: set siren time as 10 minutes.

Press[*]for 3 seconds

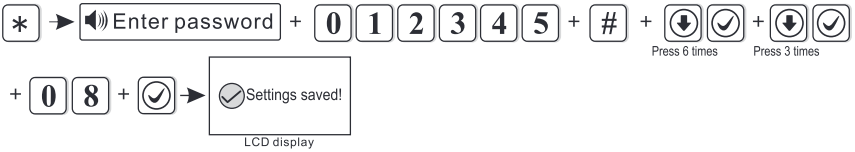


The siren time can be set from 1-30, high perch fill 0 when less than 2 bits.
After the setting is completed, the screen
will automatically return to the upper interface.

6.6.4 Sensor loss

In the set time period, the panel will detect if receive the status report or alarm info from the detector, if not receive, this detector will be regarded as loss, recommended loss inspection time not less than 6 hours.
(default is 0, disabled)
For example: set detector loss inspection time as 8 hours.

Press[*]for 3 seconds



The detector loss inspection time can be set from 0-99,
high perch fill 0 when less than 2 bits. after the setting
is completed, the screen will automatically return to the upper interface

6.6.5 AC off Delay time

It means the time when AC off, the device will delay to report to CMS.
（0−99 minutes, default is 30 minutes）
For example: set AC off inspection time as 15 minutes.

Press[*]for 3 seconds

The AC off inspection time can be set from 0-99,
high perch fill 0 when less than 2 bits. after the setting is
completed, the screen will automatically return to the upper interface

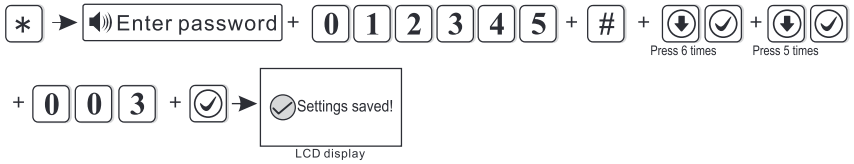
Note: 1. this function mainly use for the area with unstable power

2. when AC recovery in delay time, it will not send report to CMS.

6.6.6 Comm Test

Within this period, the alarm panel will send a test signal to the CMS to check if communication is working. (Factory default is 0, disable)
E.g. Set communication test period as 3h.

Press[*]for 3 seconds



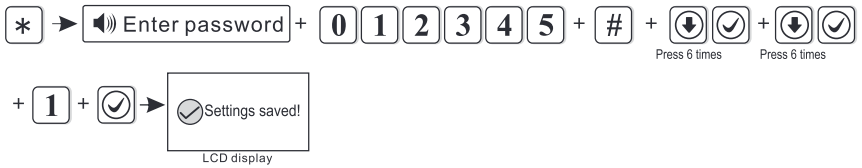
The communication test interval time can be set from 0-999,
high perch fill 0 when less than 3 bits. after the setting
is completed, the screen will automatically return to the upper interface

6.6.7 Arm/Disarm Tone

When user arm/disarm through remote controller, if siren will sound or not for prompting.(default is disabled)

For example: set arm/disarm tone is enabled.

Press[*]for 3 seconds



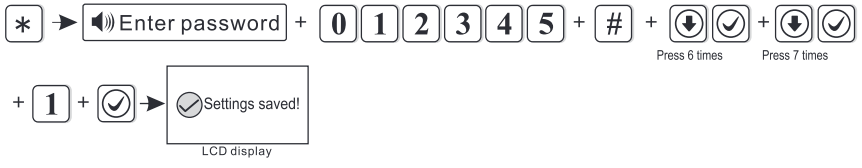
0 is disabled,1 is enabled,after the setting is completed,
the screen will automatically return to the upper interface.

6.6.8 Arm/Disarm Report

If enable to set force arm, when there is zone trouble, the system can be armed and report the trouble zone s bypass message to CMS. If disable the force arm, the system can not be armed(factory default is disable force arm)

Example: enable force arm.

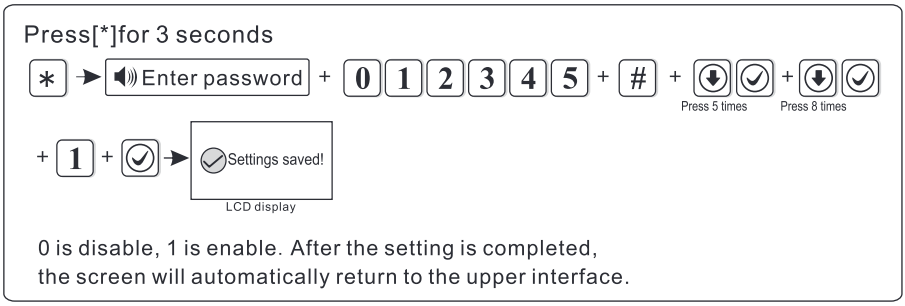
Press[*]for 3 seconds



0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

6.6.9 Force Arming

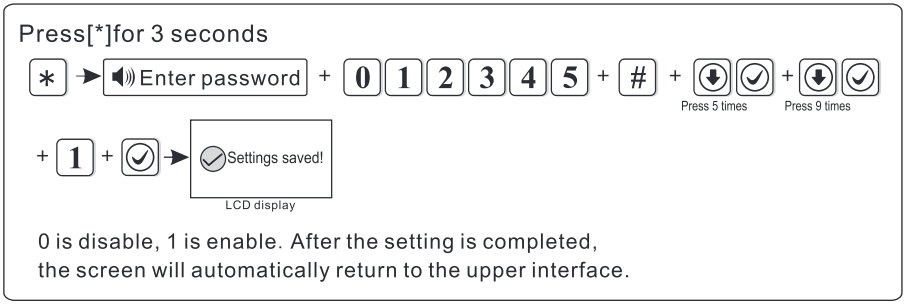
If enable to set force arm, when there is zone trouble, the system can be armed and report the trouble zone s bypass message to CMS. If disable the force arm, the system can not be armed(factory default is disable force arm)
Example: enable force arm.



0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

6.6.10 Door Open Check

Set if the alarm panel show zone trouble on LCD screen or not when separate the magnetic strip from transmitter. (Factory default disable the inspection)
Example: enable the magnetic contact inspection

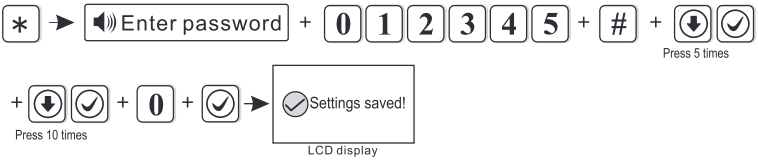


0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

6.6.11 Sensor Tamper Check

If the enable the checking when trigger the detector s tamper , will trigger alarm. If disable the checking, it will not trigger alarm.(factory default enable the checking)Example: disable the checking of wireless detector tamper.

Press[*]for 3 seconds

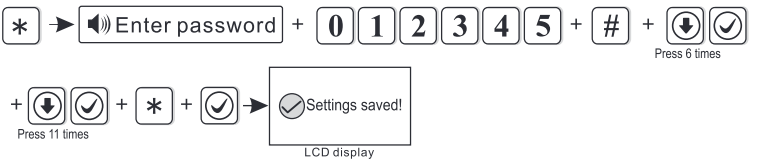


0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

6.6.12 Alarm Times

If set the alarm alarm times as 3, when zone start alarm but the zone is trigger 3 times again, the panel will not make alarm.(factory default is disabled)
E.g. set zone alarm times as 3 time

Press[*]for 3 seconds

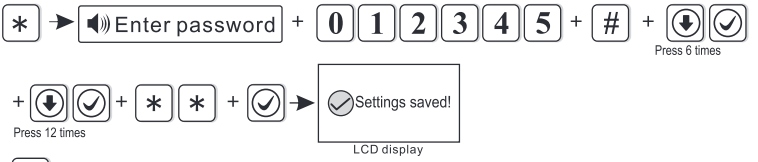


* switch selection,After the setting is completed,
the screen will automatically return to the upper interface.

6.6.13 Emergency Siren Type(the default setting is mute)

For example: set emergency alarm siren type is pedal point.

Press[*]for 3 seconds



* switch selection,After the setting is completed,
the screen will automatically return to the upper interface.

6.7 Wireless

Press * for 3 seconds,
voice prompting “Enter password”.

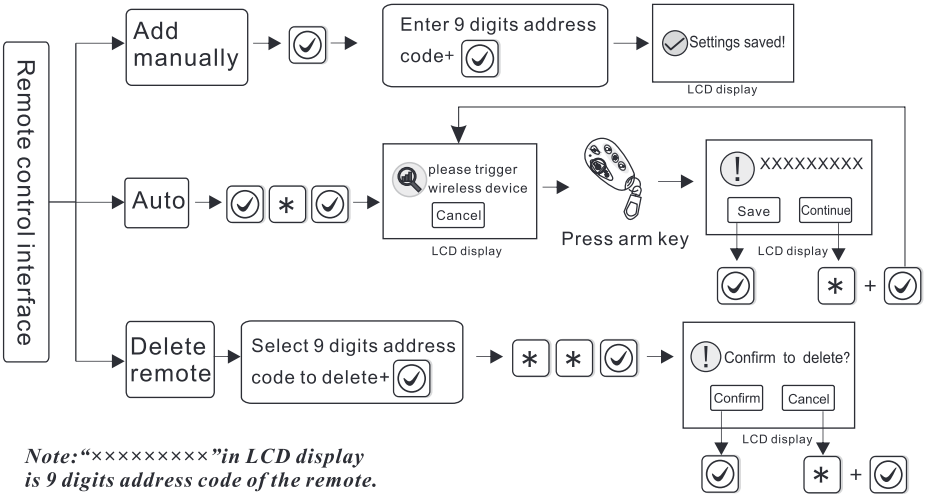
[*] + [0][1][2][3][4][5] + [#] + [↓][#][✓] →

- Wireless Remote
- Wireless Sensor
- Wireless Switch
- Wireless Siren
- Wireless doorbell

6.7.1 Wireless Remote

Press[*]for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [↓][#][✓] + [✓] After that, the following operations can be carried out:



Note:“××××××××××”in LCD display is 9 digits address code of the remote.

Support 8 remote control at max.

E.g: Add address code （112005123） of the remote automatically.

Press[*]for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [↓][#][✓] + [✓]

+ [✓][*][✓] → Press arm key → 112005123 Save Continue + [✓] → Setting is saved! LCD display

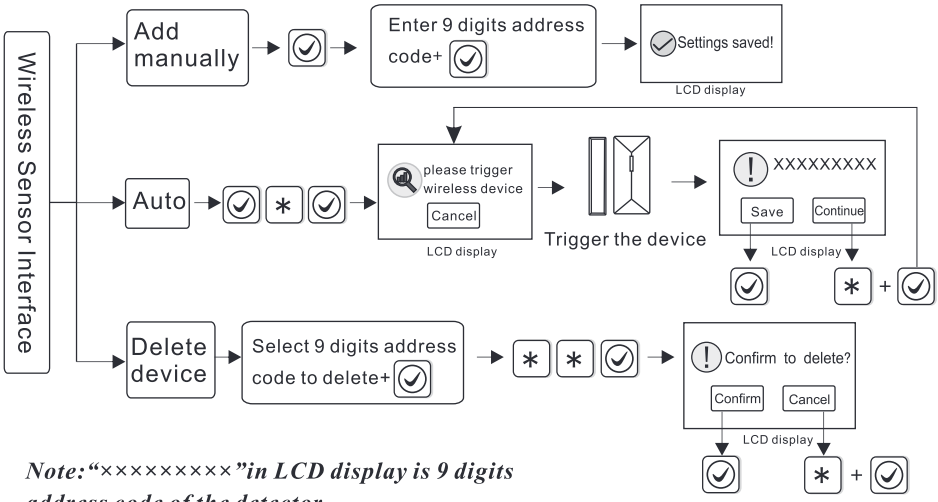
LCD display

After the setting is completed,
the screen will automatically return to the upper interface

6.7.2 Wireless Sensor

Press[*]for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [↓][#][✓] + [↓][✓] After that, the following operations can be carried out:



Note:"××××××××× "in LCD display is 9 digits address code of the detector.

Support 32 wireless detectors at max, the zone number will be the order of detectors added.

E.g.: Delete the address code (118006123) of the detectors

Press[*]for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [↓][#][✓]

+[↓][✓] → Use [↓] to select address code118006123 + [✓] + [*][*][✓]

→ Confirm to delete? Confirm Cancel + [✓] → Settings saved! LCD display

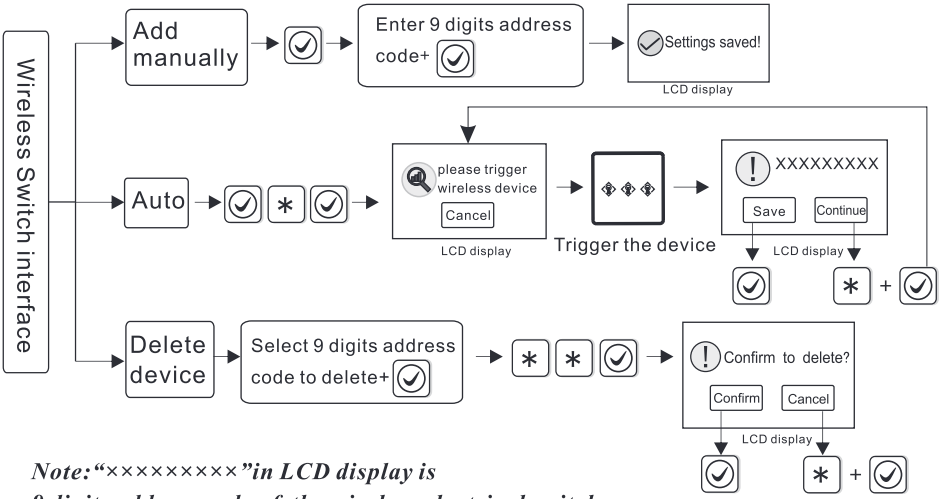
After the setting is completed,
the screen will automatically return to the upper interface

6.7.3 Wireless Switch

Press[*]for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [↓][#][✓] + [↓][✓] Do the following:

Press 2 times



Note:"××××××××××"in LCD display is 9 digits address code of the wireless electrical switch.

Support 16 channel Wireless Electrical Switch at max.

E.g.: Add address code (100112123) of electrical switch manually.

Press[*]for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [↓][#][✓]

+ [↓][✓] + [✓] → Enter 9 digits address code100112123+[✓] + [✓] → Settings saved!

Press 2 times

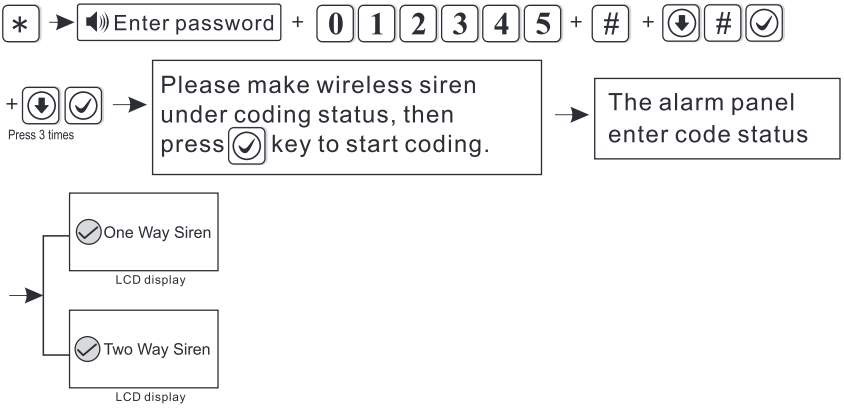
LCD display

After the setting is completed,
the screen will automatically return to the upper interface

6.7.4 Wireless Siren

Support one dual-way siren, countless one-way siren.

Press[*]for 3 seconds



If it is a two-way wireless alarm, the screen will display its address code.

After the setting is completed,
the screen will automatically return to the upper interface.

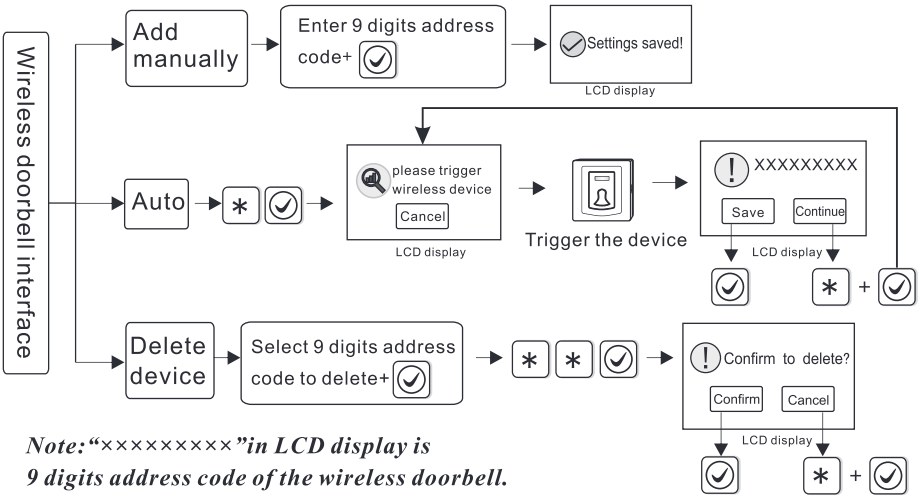
***Note**: When tamper alarm from the dual–way siren, the alarm panel will show zone 41 alarm.Only one dual–way wireless siren can be added, but no limits for one way wireless siren.If need to add both dual way and one way siren, please add dual way siren at last.*

6.7.5 Wireless doorbell

Press[*]for 3 seconds

[*] + [0][1][2][3][4][5] + [#] + [↓][#][✓] + [↓][✓] Do the following:

Press 4 times



Note:"××××××××××"in LCD display is 9 digits address code of the wireless doorbell.

E.g. Add address code (112102118) of doorbell.

Press[*]for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [↓][#][✓]

+ [↓][✓] Press 4 times → please trigger wireless device / Cancel (LCD display) → Trigger the device → 112102118 / Save / Continue (LCD display) + [✓]

→ Settings saved! (LCD display)

After the setting is completed,
the screen will automatically return to the upper interface

6.8 Zone Management

Press * for 3 seconds, voice prompting “Enter password”.

[*] + [0][1][2][3][4][5] + [#] + [↓][#][↓][✓] can set zone type

Zone 1-32 is for wireless device, Zone 33-36 is for wired device. User can set zone type, zone alarm siren type and chime function.

Instruction: * is downward selection, # is open option from LCD screen operations.

①Zone Type

The type of zone attributuion is as below

>disable zone	> delay zone	> perimeter zone
>interior zone	>emergency zone	> 24 hours zone
>fire zone	> key zone(only for zone 33-36)	

A.Zone attribution is the alarm type of the zone display on the alarm panel’s LCD screen when the zone is triggered. When set the zone attribution as 0 is to disable the zone. The alarm panel will not make alarm when trigger this zone.
B.interior zone only trigger alarm when the zone is triggered in armed status.
C.delay and perimeter zone trigger alarm when the zone is triggered in armed or home arm status.
D.emergency zone, 24 hours zone, fire zone will trigger alarm when system are in any status.
E.wireless zone can not set key zone type. When wired zone is set as key zone, trigger the zone, system turn to disarm status. The zone restore, system turn to armed status. This is available to access control system.
F.Key zone is used only for wired zone(33-36 zone)

②Set zone siren type

User can set three type: Continuous, pulse, Mute (factory default is Continuous)

③Chime Function

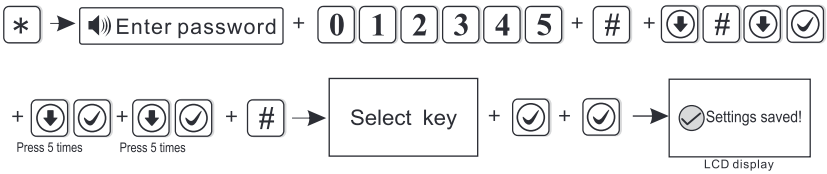
When the detector as delay zone, once it is triggered, the alarm panel will sound “dingdong” or “welcome”, optional. Factory default is disabled.

Factory default:

Zone	Zone Type	Siren type	Chime
1~2	Delay	Continuous	Disabled
3~32	Burglar	Continuous	Disabled
33~68	Disabled	Continuous	Disabled

E.g.: set zone 36 as key zone

Press[*]for 3 seconds



Press * mobile, according to # open selection,After the setting is completed, the screen will automatically return to the upper interface.

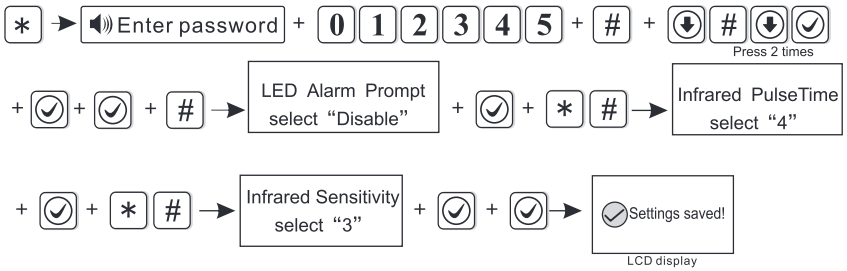
6.9 Bus setting

Press * for 3 seconds, voice prompting “Enter password”.

After different bus devices are connected, the displayed device types and setting items are different. Up to 32 single bus devices can be connected. If the access device is a single bus detector, please set the detector address code first.

For example: after connecting to a single-bus detector with an address code of 1, set the LED alarm prompt of the detector to off, the number of infrared pulses to 4, and the infrared sensitivity to 3.

Press[*]for 3 seconds



Press * mobile, according to # open selection,After the setting is completed, the screen will automatically return to the upper interface.

6.10 Set Alarm Alert

Press * for 3 seconds, voice prompting “Enter password”.

Press # to select alarm type, press # again to enable/disable alert path.

■:enable □:disable

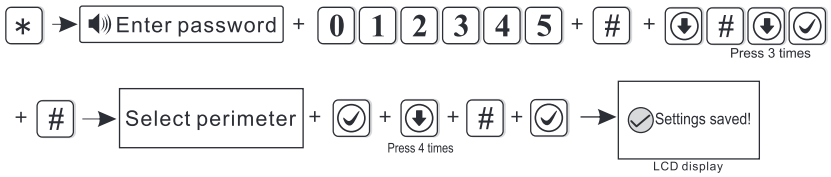
Factory default:

Alarm Alert Type	Factory Default			
	CMS	Voice Phone	SMS	Email
Delay	■	■	■	□
Perimeter	■	■	■	□
Interior	■	■	■	□
Emergency	■	■	■	□
24 Hour	■	■	■	□
Fire	■	■	■	□
Panic	■	■	■	□
Tamper	■	■	■	□
System Away	■	□	■	□
System Disarm	■	□	■	□
System Stay	■	□	■	□
System low battery	■	□	■	□
AC loss	■	□	■	□
AC Restore	■	□	■	□
Alarm Cancel	■	□	■	□
Sensor Low Battery	■	□	□	■
Sensor bat Recovery	■	□	□	■

Alarm Alert Type	Factory Default			
	CMS	Voice Phone	SMS	Email
RF lost	■	☐	☐	■
Programming Changed	■	☐	☐	■
Arm Failed	■	☐	☐	■
Periodic Test Report	■	☐	☐	■
Zone Bypass	■	☐	☐	■
System Bat Restore	☐	☐	☐	■
Communication Trouble	☐	☐	☐	■
Zone Bypass Cancel	☐	☐	☐	■
Communication Restore	☐	☐	☐	■
Loop Open/Short	☐	☐	☐	☐
Loop Restore	☐	☐	☐	☐
Bell Troubl	☐	☐	☐	☐
Bell Restore	☐	☐	☐	☐
Duress	■	☐	■	☐
Entry/Exit Recovery	☐	☐	☐	☐
Perimeter Recovery	☐	☐	☐	☐
Burglary Recovery	☐	☐	☐	☐
Panic Recovery	☐	☐	☐	☐
24 Hour Recovery	☐	☐	☐	☐
Fire Recovery	☐	☐	☐	☐
Emergency Recovery	☐	☐	☐	☐
Tamper Recovery	☐	☐	☐	☐
RF Loss Recovery	☐	☐	☐	☐

For example: Set perimeter alarm to open all sending paths.
(Perimeter alarm default only to close the mail)

Press[*]for 3 seconds



Press * to move the selection, press # to enable/disenable the selection, After setting, the screen will automatically return to the previous interface.

Duress password: 1 + 1 2 3 4 + ⌂
user 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.

6.11 SmartHome

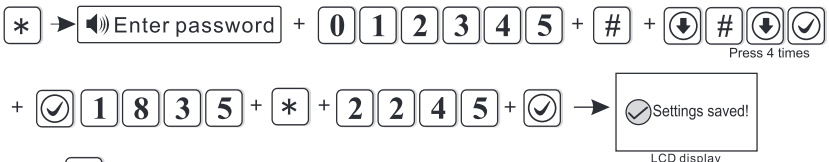
Press * for 3 seconds, voice prompting “Enter password”.

Set the timing to open or close the wireless switch.

If you want to manually turn the wireless switch on or off, press and hold 7 for 3 seconds when there is no operation on the panel until the panel voice prompt "Enter password", pls enter the user password 1 2 3 4 # to turn on / off the wireless switch.

For example: Set the wireless switch to turn on at 18:35 and turn off at 22:45. (00:00 is invalid time)

Press[*]for 3 seconds



Press * to go to the next column, the screen automatically return to the previous interface after setting.

6.12 Time

Press * for 3 seconds,
voice prompting “Enter password”.

- Auto time
- Daylingt-saving time
- 24-hour system
- Time zone
- Time
- Timing Arm/Disarm 1
- Timing Arm/Disarm 2
- Timing Arm/Disarm 3
- Timing Arm/Disarm 4

6.12.1 Auto time(default is open)

For example: Set automatic timing to close.

Press[*]for 3 seconds

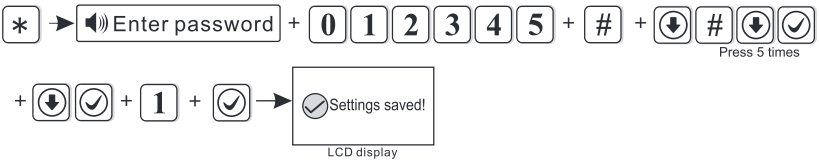
0 is disable, 1 is enable. After the setting is completed, the screen will automatically return to the upper interface.

6.12.2 Daylingt-saving time(Off by default)

Daylingt-saving time is set aside by an hour at 2 Am on the first Sunday of middle April. Change 2Am to 3 Am. At 2 o'clock in the morning on the first Sunday in mid-September, The hour will be set aside for one hour, that is, changed from 2 Am to 1Am, and the Daylingt-saving time ends.

For example: Set Daylingt-saving time active.

Press[*]for 3 seconds

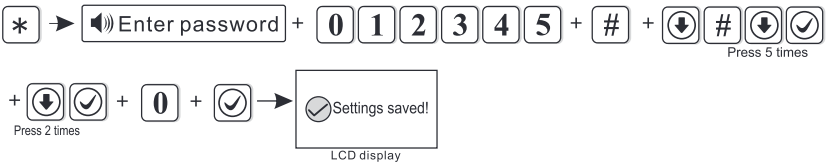


0 is disable, 1 is enable. After the setting is completed, the screen will automatically return to the upper interface.

6.12.3 24-hour system(The default is to open)

Example: Set time-zone as London time-zone GMT.

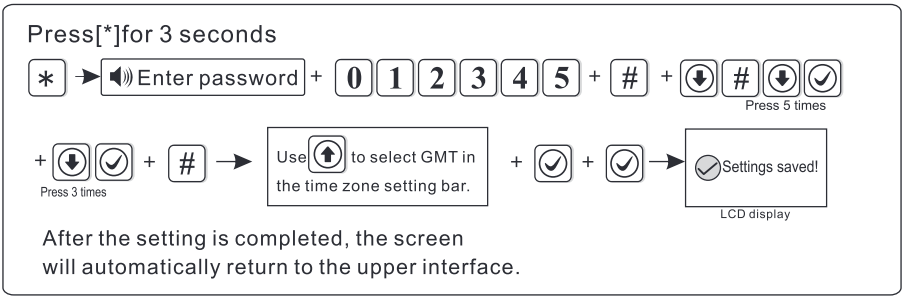
Press[*]for 3 seconds



0 is disable, 1 is enable. After the setting is completed, the screen will automatically return to the upper interface.

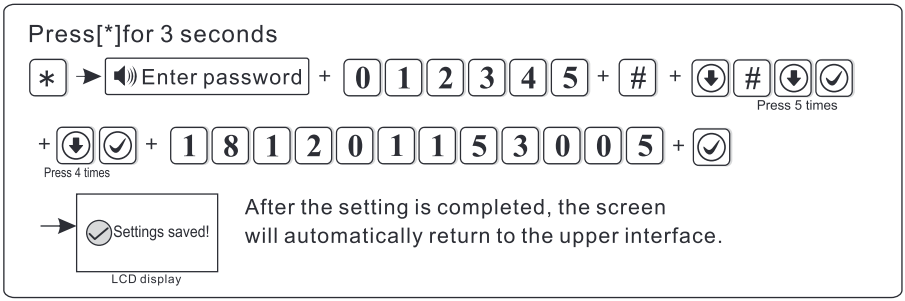
6.12. 4 Time zone(default set is Beijing time GMT+8:00)

Example: Set time-zone as London time-zone GMT.



6.12. 5 Time

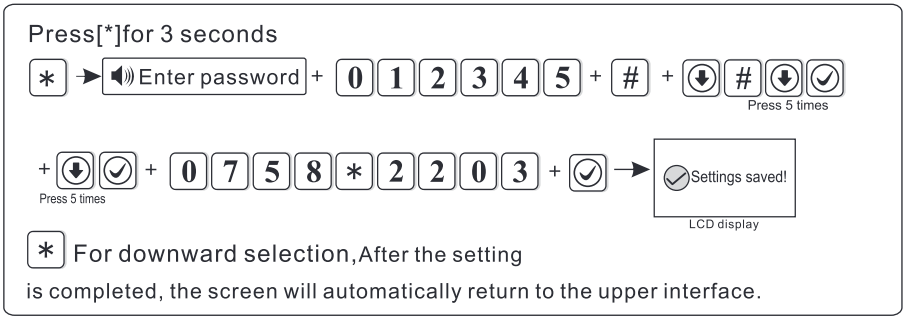
Example Set the time to 15:30 05 on 1 Dec, 2018 .



Note: If you turn on automatic calibration, this setting is invalid

6.12. 6 Timing Arm/Disarm

You can set 4 pairs time for auto timing arm/disarm. Example: set the NO.1 pair as auto arm at 7:58, disarm at 22:03



6.13 Restart

Press * for 3 seconds, voice prompting “Enter password”.

6.13. 1 Restart

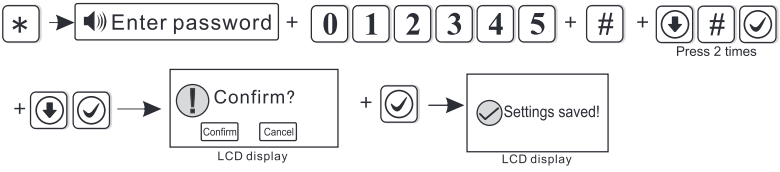
For example: restart the system.

Press[*]for 3 seconds

The alarm host will restart after setting.

6.13. 2 Delete logs

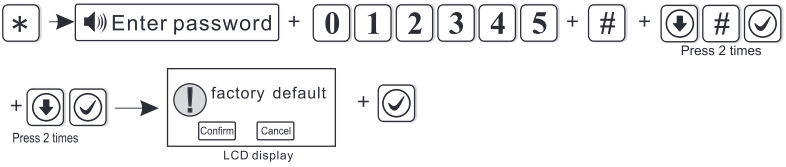
Press[*]for 3 seconds



After the setting is completed, the screen
will automatically return to the upper interface.

6.13. 3 Factory default

Press[*]for 3 seconds



After the setting is completed, the screen returns to the standby interface.

Note:After Restore to factory default, the host will clear all the parameter settings, all detectors, remote control, etc. Please Re-code accessories to the alarm panel and re-set other parameters , otherwise it will not work properly.

6.14 Display

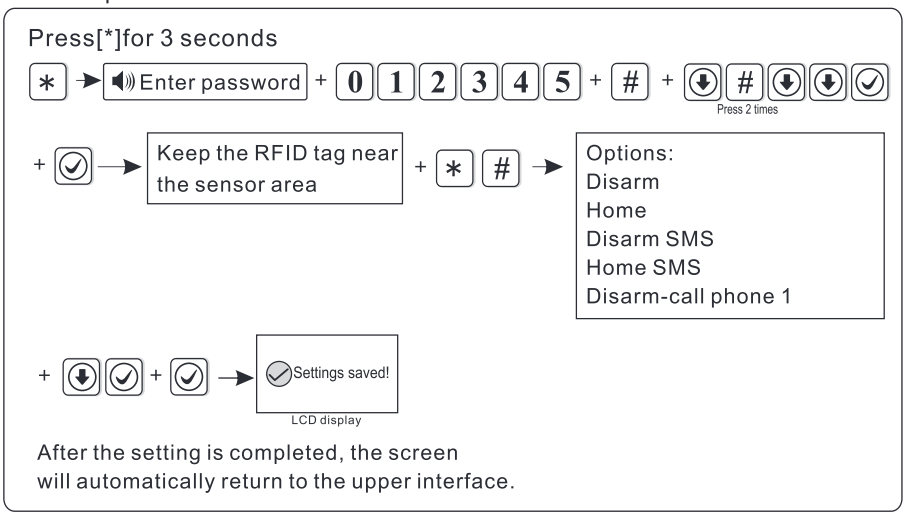
Press * for 3 seconds, voice prompting “Enter password”.

Press ⬆ to Increase the brightness

Press ⬇ to Reduce the brightness

6.15 RFID

Example: Add the RFID and set it with disarm function.



After the setting is completed, the screen will automatically return to the upper interface.

Note: 1. Pls preset the message text on WEB MENU for the two options [disarm and send sms][home arm and send sms]

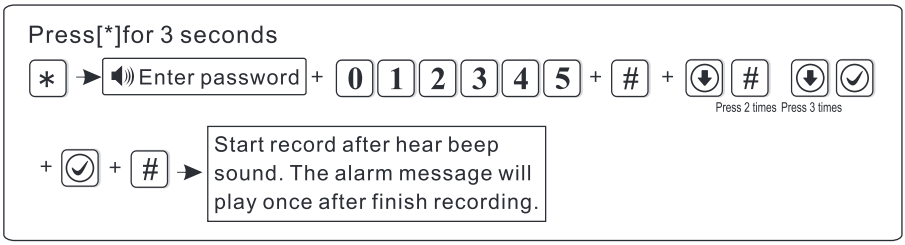
2. You can choose to manual enter the RFID card # to add the RFID card.

6.16 Others

Press * for 3 seconds,
voice prompting “Enter password”.

6.16.1 Recording

20 seconds time to record alarm message. This alarm message will be hear when you take the alarm phone call from the alarm panel.



6.16.2 Play

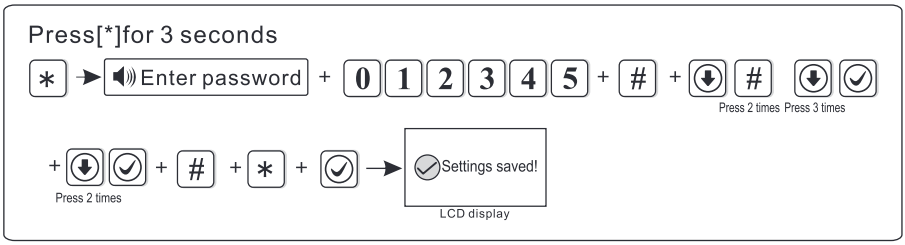
6.16.3 PGM

the voltage will change from 0V to 12V as soon as some events occurs. (Default is follow alarm output)

Trigger events can be set as below

1. Alarm output
2. AC power fault output
3. Arm output
4. Disarm output
5. Communication fault output
6. PWD control output

Example : set PGM output follow AC power fault output.



Note: When the password is controlled, press the [5] key for more than 3 S in the standby state, and input the user password to open or close the programming output port. You can also open or close the programming output port through a voice call or text message.

6.16.4 Chime Music

Two tones optional : "ringing tone" and "Welcome". (Default welcome)

For example: set the door open tone as "ringing tone"

Press[*]for 3 seconds

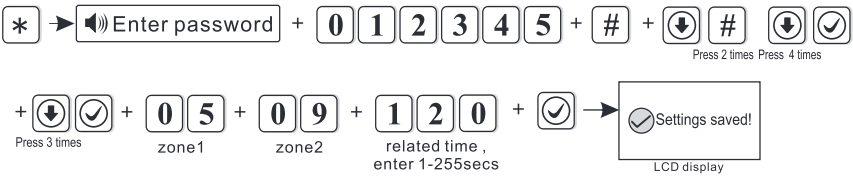
After the setting is completed, the screen
will automatically return to the upper interface.

6.17 Corss zone

Press * for 3 seconds, voice prompting “Enter password”.

Trigger zone 1 or zone 2 only will not trigger alarm. During related time trigger zone 1 and zone 2, then the alarm will be trigger.
Example: Set zone 5 and zone 9 as pair # 4 related zone, related time is 120S.

Press[*]for 3 seconds



After the setting is completed, the screen
will automatically return to the upper interface.

NOTE: Can set 8 pairs related zone.

6.18 About

Press * for 3 seconds, voice prompting “Enter password”.

Chapter VII Technical Specification

General information

1.Power supply: DC12V/1.5A

2.Built in rechargeable battery:7.4V/2000mAh

3.Low battery voltage: 6.6V

4.Low voltage shutdown: 6.0V

5.Charging voltage: 8.4V

6.Standby time: about 14 hours (without 12V output load)

7.System static current: <50mA(exclude wired detector)

8.System alarming current: <350mA(exclude wired high siren current)

9.System maximum output current: ≤300mA(supply wired detector)

10.Debugging mode: ASK

11.Frequency:433MHz/868MHz(Optional)

12.Signal transmit distance: 100 to 150 meters (open area)

13.The method of alarming dial: 4G or GPRS

14.Communication protocol with CMS: Ademco Contact ID

15.DTMF dial frequency variation:<1.5%

16.Recording time:20S

Physical performance

Operation temperature range: 0℃-45℃(32℉-120℉)

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

Relative humidity: 85% at 30℃(86℉)

Color: See real

Chapter VIII Maintenance

8.1 Regular Test

This alarm system is designed to allow you to spend as little time as possible on maintenance. However, in order to ensure the reliability of the system's operation, a "walking test" is still carried out, at least once every three months. If you find a problem, please consult the installer immediately to solve it.

8.2 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.

Chapter IX 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.
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.