HA-VGW Intelligent Security System

User manual

P/N:25090101Q03

Brief

Thank you for pruchasing the ‘smart home’ products of our company,we hope our products can bring convenience and protection of 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.The ‘smart home’ products can connect mobile phone APP and platform through accurate and simple WiFi connection mode, realize remote control and wireless alarm mode to push message to users. It is safe and simple, and mastering the surrounding environment information at any time. It is the best choice for modern security and anti-theft alarm products.This product is easy to operate and easy to learn with voice indication all around the operation.Complicated orders are not needed.

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 can not 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 server 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.

Table Of Contents

Chapter I Product Introduction

1. Alarm Mode: With Internet network and GSM network alarm,GSM network with GPRS function,remote arm and disarm panel through CMS or SMS,CID protocol,SMS notification,the priority of Internet Network and GSM Network is Optional.

2. Adopting a highly integrated low-power Wi-Fi/BLE combination chip, it supports connection to 2.4G WiFi, and can configure WiFi through the hotspot and Bluetooth. The support of WiFi enables faster network speed and stronger stability, bringing you a more excellent network experience.

3.With a new color-screen, full-touch buttons, LCD graphic display steps,working status,alarm process easy and intuitive.

4. The full english voice prompting operation: all local or remote operation,alarm information,event log view.

5. GSM-hook and voice telephone with intercom function.

6. All alarm information can be programmed by 16 ways.

7. Sleep mode,in sleep mode status,all the lights,LCD backlight,voice and prompt tone are disabled.

8. Alarm panel under idle status is equivalent to a cellphone,you can call through the GSM network for balance inquiries.

9. 8 groups associated zone,can effectively reduce false alarm or for other functions.

10. PGM output: With a programmed output port,followed by 5 kinds of alarm events output.

11. The Doorbell Audio Optional: 1.Ding Dong 2. Welcome

12. Remote Phone operation: dialing by telephone offsite,after password verification,you can arm,disarm,listen-in premise,system status query and electrical switches controls and other operations.

13. Voice Alarm: When panel alarm,it will automatically dial the preset user phone numbers to report alarm information then you can remote control the panel after enter user passwords.

14. 32 wireless zones,each wireless zone can automatically learn the codes or be coded manually via the keyboard and web operation.

15. 8 wired zones,user can set the circuit type and speed of response,

support N.O,N.C.

16. Enable enroll total 8 wireless remotes,16 electronic switches,1 wireless doorbell and unlimited for quantity of one way wireless siren,16 RFID tags.

17. 6 follow me phone # (voice alarm receiving phone #), 2 for CMS,4 for private alarm receiving.

18. Status Inspection Functions: enable record and inquiry 512 alarm event messages.Like the time when happens anti-tamper alarm,detector alarm,tel-line off, arm,disarm,system setting,battery low voltage ect.And also can inquiry the zone number and alarm type.

19. Timing Arm/Disarm: 4 sets of timing arm and disarm time.

20. Electrical Switches Control: User can remote switch on/off via phone or SMS, also can be controlled manually through the local alarm panel.

21. Zone Programmable: factory preset for each zone type. Users can modify all the zone type according to the actual needs .

22. Clock: Built-in full automatic calendar clock, set to local time consistent.

23. Password Access Management: the panel has one administrator password 16 user password, The administrator password primarily for system administrators to set up the alarm system; The user passwords for users in the day-to-day use such arm/ disarm, remote operation. The administrator password, user password can be freely modified.

24. For CMS networking alarm, depending on the number of users, the user can set four user codes(account number).

25. Zone type identification:After an alarm is triggered, the alarm zone number displayed on the LCD screen of the panel, also can send the detailed report to CMS which includes alarm locations and zone types.

26. Alarm mode: stand-alone single-family use by the ordinary telephone alarm; it can also be connected to the Internet with the alarm center by the computer alarm.Alarm center automatically recognize and compatible with ordinary telephone alarm.

27. The tampering alarm: cut the cable between wired detectors and the panel will trigger alarm.

28. Anti-tamper function: When someone deliberately dismantled the panel, it will alarm when triggering tamper switch at the back of the panel.

29. CMS communications test: The panel will send a message to CMS at the pre-set time interval to inspect the communication if normal.

30. Siren options:Built-in siren, external wired siren, Wireless siren. All sirens can be programmed as enabled/disable when alarms.

31. The voice speaker volume adjustment: total 7 level,adjust the volume by a panel arrow keys.

32. Wireless repeater function: can extend the distance between the detector and the panel by adding a wireless repeater of our company.

33. The wireless detector low battery prompted:Detectors will send status report to the panel every 1-3 hours, the corresponding zone number and the battery voltage symbol will be displayed on the LCD screen and also will report to CMS.

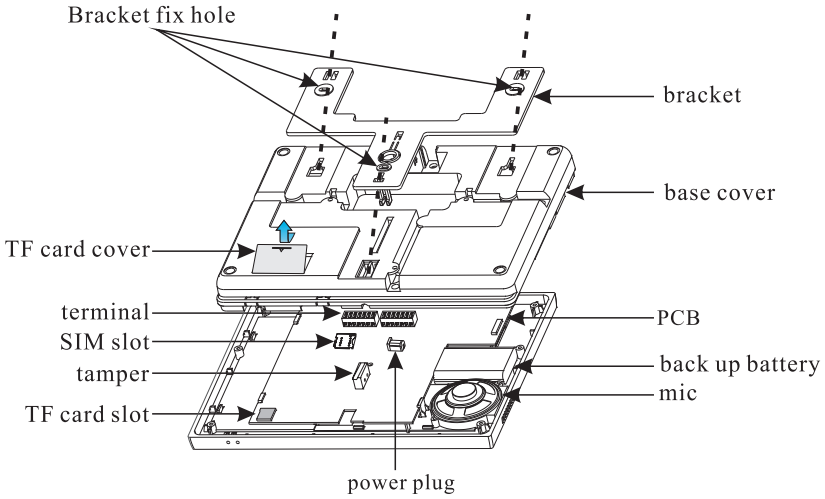


Fig.1-1

Chapter II Installation and Connection

2.1 Installation For the Alarm Control Panel

1.Fix the bracket to the wall and hang the panel to the bracket.
Please refer to the below steps:

A.Push the bracket up to loosen and remove the bracket, like Fig. 2-1:

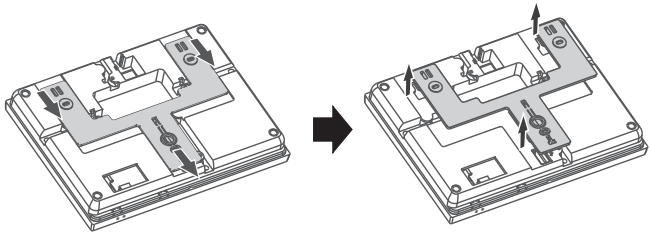


Fig. 2-1

B. Use screws to secure the bracket to the wall.

C. Align the panel with the bracket, hang it on the wall and push it down tight.

2.The large metal objects can not be placed around the panel,so as not to affect the wireless signal.

3.Make sure to place the panel within the wireless range of all wireless accessories and pay attention to the hidden.

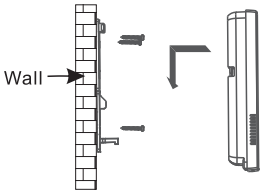


Fig. 2-2

2.2 SIM card and TF card inserted

①Please insert the SIM card in the shutdown state of panel,the side with the disk facing down,then push the SIM card into the slot,as Fig. 2-3.

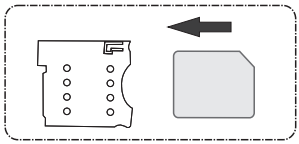


Fig. 2-3

②TF card installation:The TF card is used for program upgrade. After powering on, a slow "beep" sound starts the automatic upgrade. When the "beep" sound changes to a long beep, the upgrade is completed. At this time, remove the TF card.

A.Remove the front cover ;

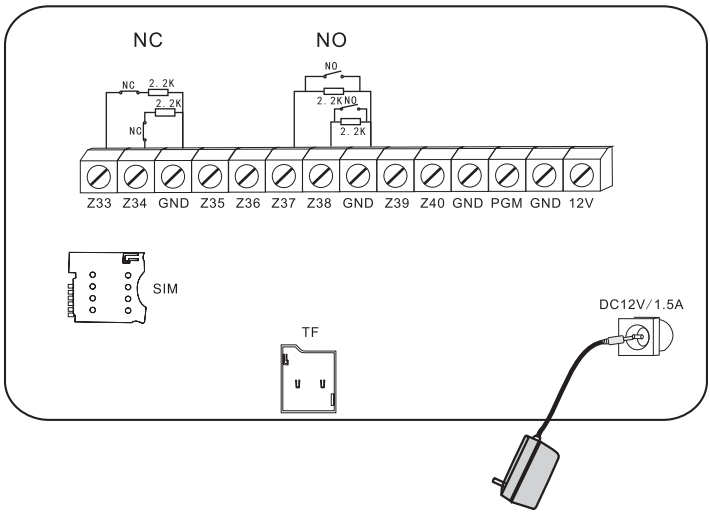
B. Insert as Fig.2-4.

Fig. 2-4

Removal: Align the mobile phone card / TF card, push it inward forcefully and then release it. The mobile phone card / TF card will pop out automatically. There will be a "beep" sound when it pops out. Then pull it out outward.

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

As pictures



Here only introduce the zone 33,34,37,38. The other zones please refer to the above.

2.4 Install wired detector

2.4.1 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.

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

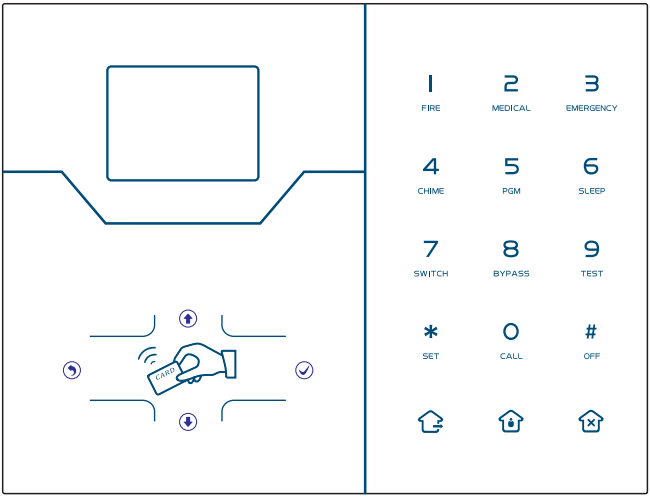
2.5 Install wireless detector

2.5.1 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.

2.5.2 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/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 GSM, the talk time up to approximately 240 seconds
* SET	Set/Select down key
# OFF	Confirm/Open options key

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.

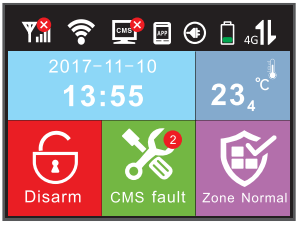
Zone Inspection: Within 60s of AC power on, the system do not inspect wired zones.

Forget Password: Shutdown firstly, within 60s of AC power on, press * key for 3s, enter 000000# command to reset.

Zone Inspection: Do not inspect wired zones within one minute of panel power up.

Notice: Only under disarm status of panel, enter system settings and user settings.

3.3 LCD icon



Icon	Meaning	Icon	Meaning
	GSM signal strength		WiFi
	Enable Internet CMS		APP control
	Power supply		Built-in battery level
	Arm		Disarm
	Home arm		Temperature
	Fault prompt		Humidity
	4G network		Zone status

1.System fault display: Icon " " indicates that the function has failed. Eg. WiFi disconnected,will display icon " ", if WiFi connected, will display " ". " " This is fault icon. if there are two faults, it will display " ".

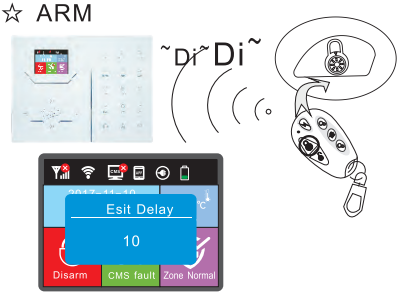
2.Zone fault display: When the zone fails, Zone status corner icon shows the number of zone faults,the text below the icon shows the fault function.When the fault is removed, the icon shows "zone normal".

The details of the faults can be queried by entering the user settings.

When panel alarm and user disarm,the screen still shows zone alarm,please disarm again ,and the screen shows the zone normal.

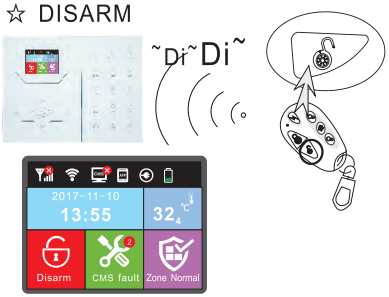
3.4 System Arm and Disarm

☆ ARM



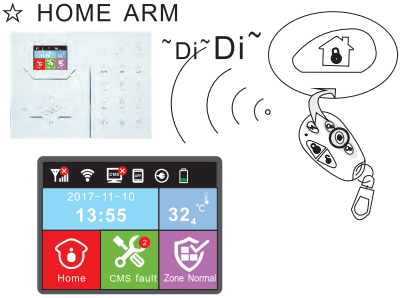
Press the arm key on remote or the keypad, then you hear system armed, please exit the protection area there will be Di-Di sound to confirm the system is armed successfully.

☆ DISARM



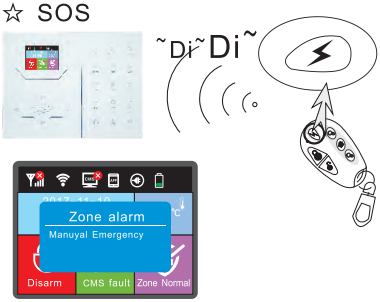
Press the disarm key on the remote or enter your user password on the keypad,then you will hear Di-Di and voice “system disarm”, then you have disarm successfully.

☆ HOME ARM



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

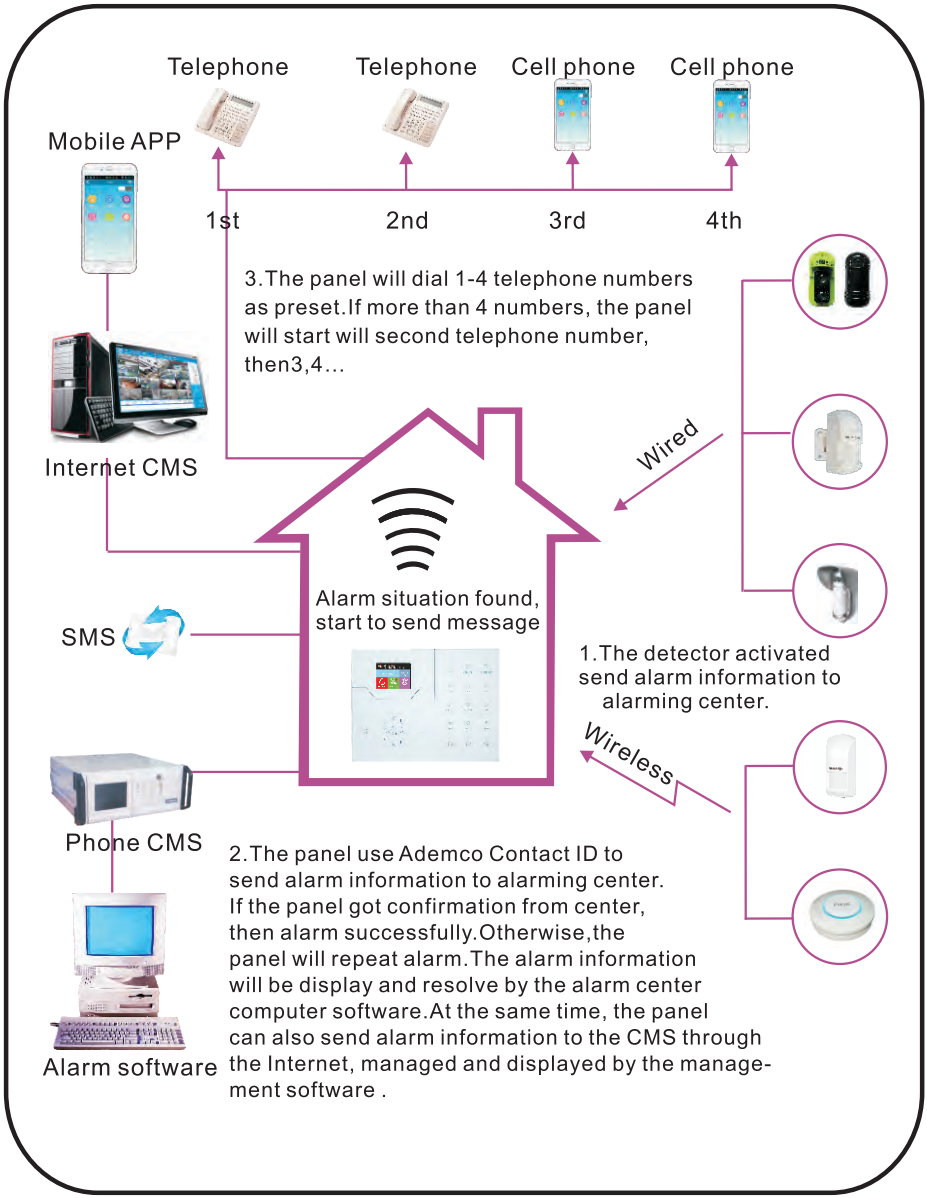
☆ SOS



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 WEB Page: #70
Arm/disarm via RFID reader users:100
Unknown control: #90

3.5 Alarm procedure



Chapter IV Voice Alarm Receiving And GSM Control

4.1 Remote phone control

User make phone call to the GSM 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.

① 
Dial the GSM No.
Of the alarm control panel.

② 
The alarm control panel auto off-hook

③ Please enter password

④ 1 2 3 4
Then enter user password according to voice prompt (the factory default user password is 1234)

⑤ Press 1 to arm system
Press 2 to disarm system
Press 3 to stay arm
Press 4 to check system status
Press 5 to appliance switch control
Press 8 to control PGM
Press 9 to talk back
Press 0 to disconnect

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.

① 
The alarm control panel dial preset voice phone as soon as alarm occurs.

② 
The user pick up the phone.

③ Play the recorded voice message first.
Press 1 to cancel alarm
Press 2 to check alarm event
Press 3 to arm system
Press 4 to disarm system
Press 5 to stay arm
Press 6 to enable siren
Press 7 to listen in
Press 9 to talk back
Press 0 to disconnect

4.3 GSM 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)

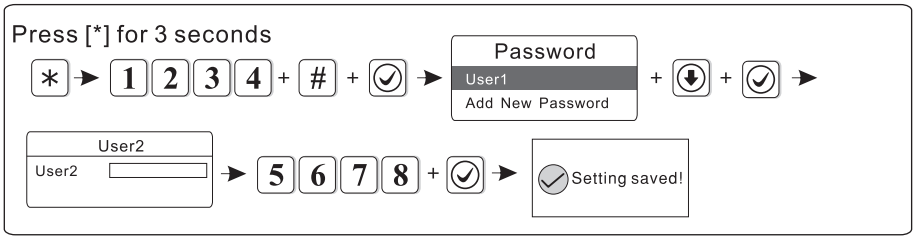
XX is for electric switch serial number from 01-16, there is space between ‘OPEN’ and ‘XX’

Chapter V User Settings

Press [*] for 3 seconds

5.1 Set User Password

For example: set No.2 use password as 5678

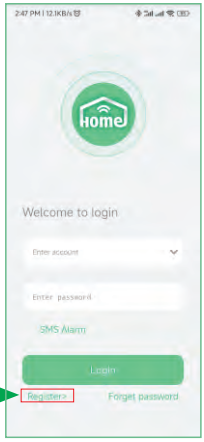


Note: Can set 16 user passwords,corresponding password No. From 01 to 16,Only No.1 password can enter user setting.

5.2 Set Voice Phone(refer to 6.4)

5.3 WiFi config

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



For new users, please click "Register".

Fig. 5-1

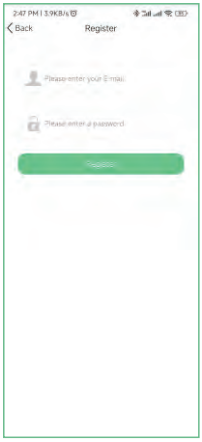


Fig. 5-2

Click to enter the APP login interface. For the first login, please click "User registration" first and complete the registration account according to the prompts. （Fig. 5-1, Fig. 5-2）

Configuration can be performed using two methods: Bluetooth pairing and hotspot mode. Only 2.4G frequency band WiFi can be connected, and 5G frequency band WiFi is not supported. Once the connection is successful, the WiFi icon will be displayed on the host screen and in the online devices of the APP.

Method 1:Bluetooth pairing

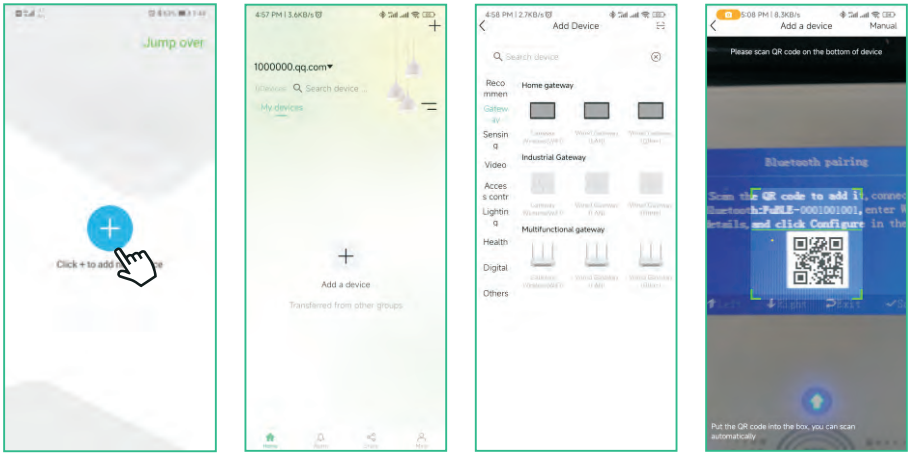
Step 1.Press and hold the [*] for 3 seconds,

voice prompt: Enter password,

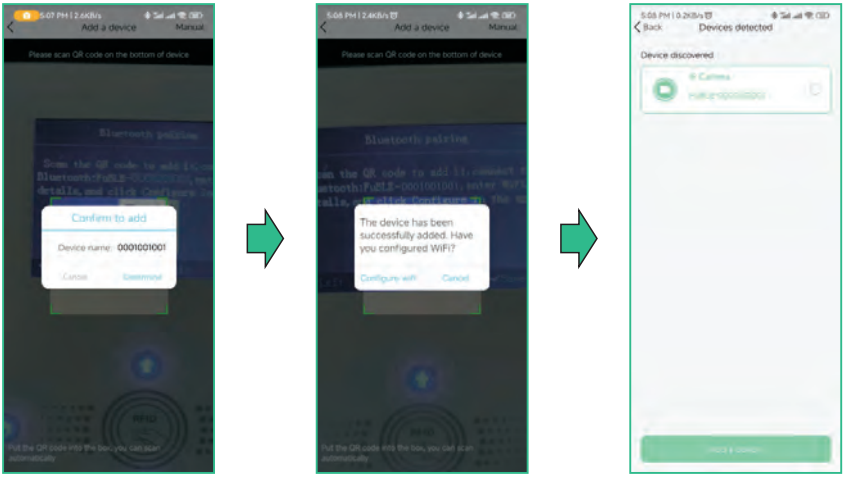
input [1][2][3][4] + [#] + [↓][↓][✓] + [✓]

Enter the host Bluetooth pairing interface. At this time, the Bluetooth pairing mode is enabled;

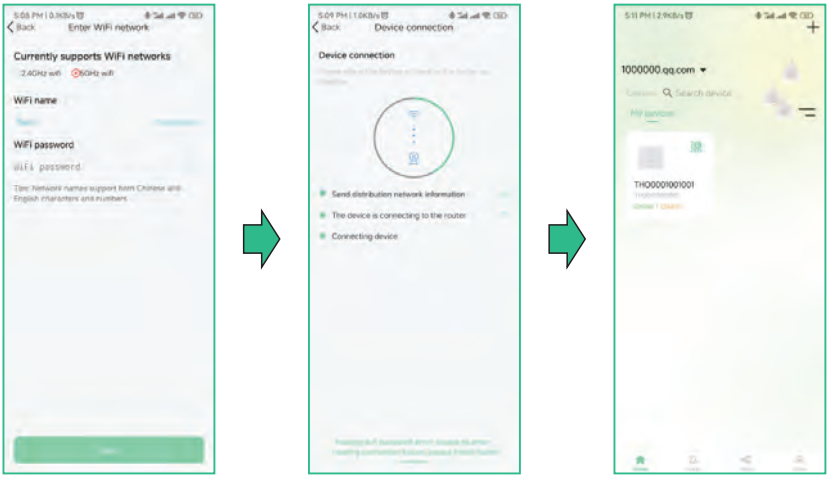
Step 2: Turn on the Bluetooth on the mobile phone, log in to the registered account on the APP. For the first login, it will enter the guidance interface first. Click " + " to scan the QR code on the body, or enter the main interface, click " + " on the upper right corner -- " ⛶ " to scan the QR code on the host screen.



Step 3: Click "Determine" - "Configure WiFi" in the pop-up window after successful scanning and wait for the Bluetooth to search for the device.

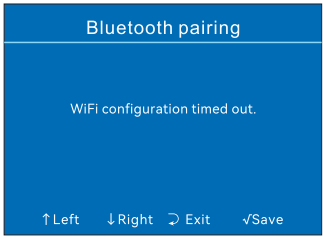


Step 4: Select the same device as the host Bluetooth - "Add Device" - Enter the WiFi name and password, click "Configure", and wait for the WiFi connection.



After the WiFi configuration is successful, it automatically returns to the main interface "Home", and the online device can be found on the home page.

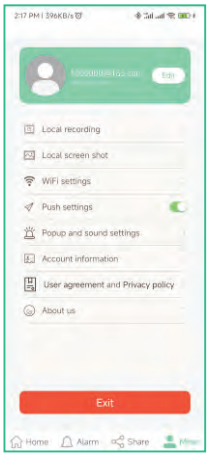
The host screen shows "WiFi configuration successful". Click "↩" to return to the standby interface.

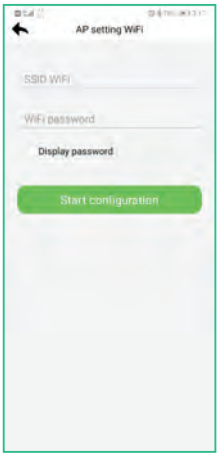


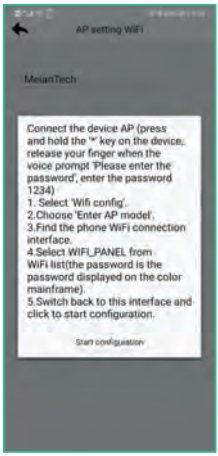
Method 2:AP setting WiFi

Step 1: Mobile phone connected to WiFi, log in to the registered account, select “Settings”- “AP setting WiFi” .

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







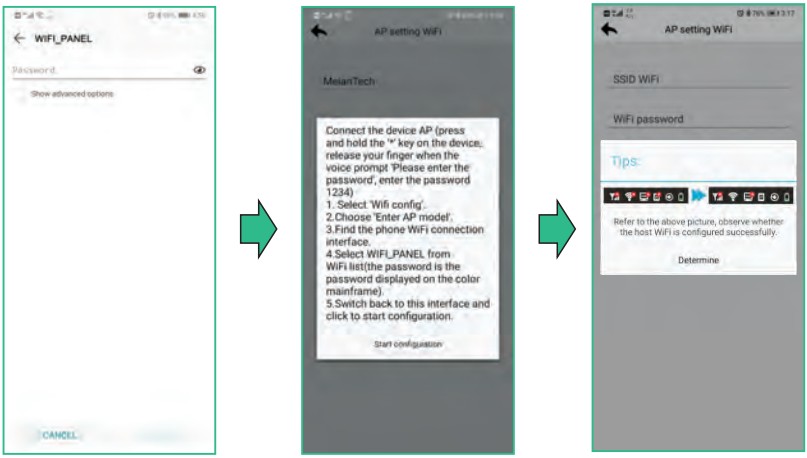
Step 3: Press and hold the host [*] For more than 3 seconds, the voice prompts "Enter the password".

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

Enter AP mode;

Enter AP mode
AP name: WIFI_PANEL
AP password: B996DAD0
APP account: admin
APP password: 012345
Server IP: 192.168.1.1
Server port: 18034

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”.



After the configuration is completed, it is prompted whether the color screen of the host shows the WiFi normally. Click "OK" to enter the interface of scanning the QR code to add the host.

Step 5: Press and hold the host [*] For more than 3 seconds, the voice prompts "Enter password".

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

Display the APP QR code. The mobile phone APP can scan the QR code of the host and add it.

5.4 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. 5-3), select Settings button > Zones (Fig. 5-4) > Zone 1 (Fig. 5-5), 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. 5-6, 5-7, 5-8)

Fig. 5-3

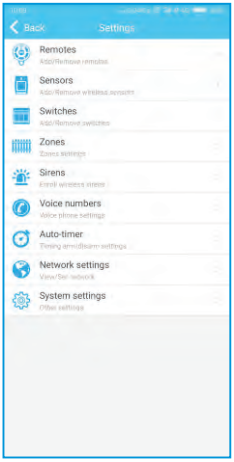


Fig. 5-4

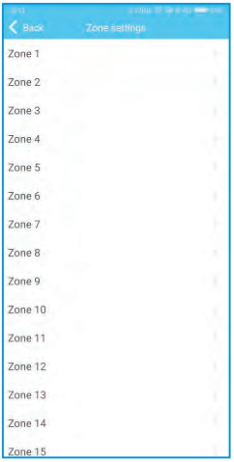


Fig. 5-5

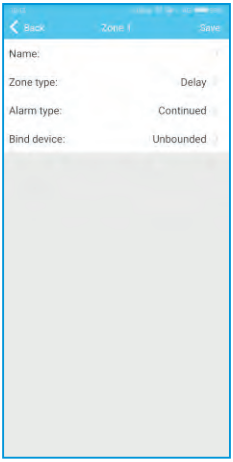


Fig. 5-6

Fig. 5-7

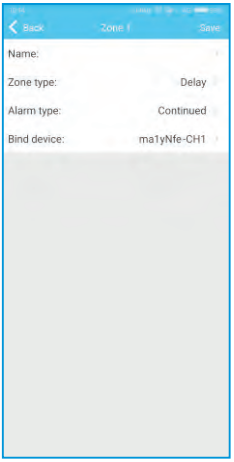


Fig. 5-8

Chapter VI System Setting

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

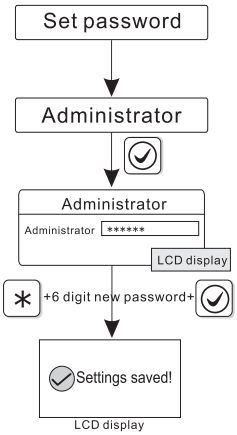
＊ + 0 1 2 3 4 5 + # →

6.1 Set password

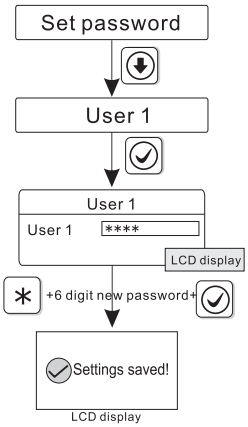
Press[*]for 3 seconds, voice prompt "please enter password"

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

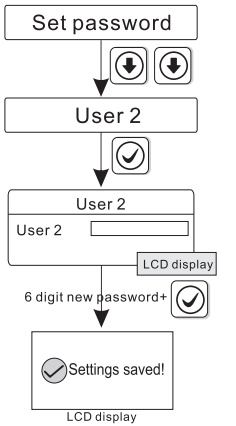
①Set admin password



②Set user 1 password



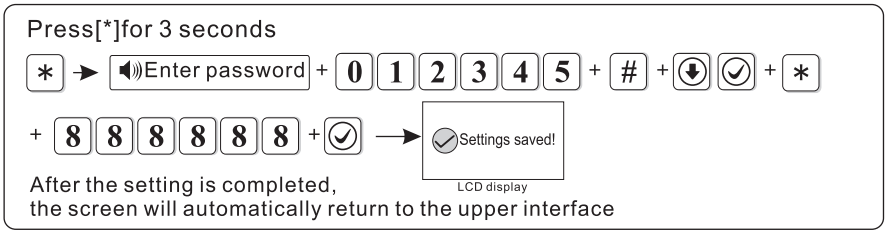
③Add new password



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



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

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

WiFi connection method is
described in "5.3 WiFi config".

6.3 Set Network

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

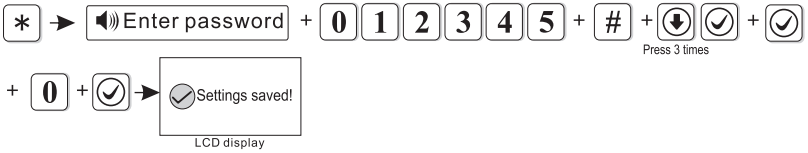
Note: Just can set host IP ,gateway, subnet mask and DNS when DHCP is disabled.

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 Host IP

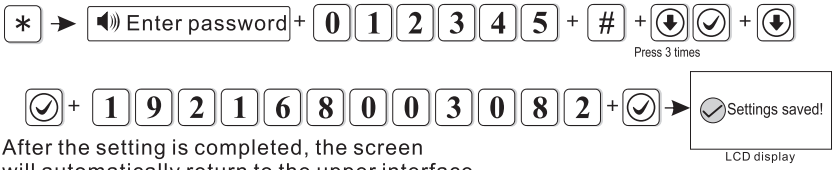
①The default DHCP function is enabled， please disabled DHCP when you set host IP.

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

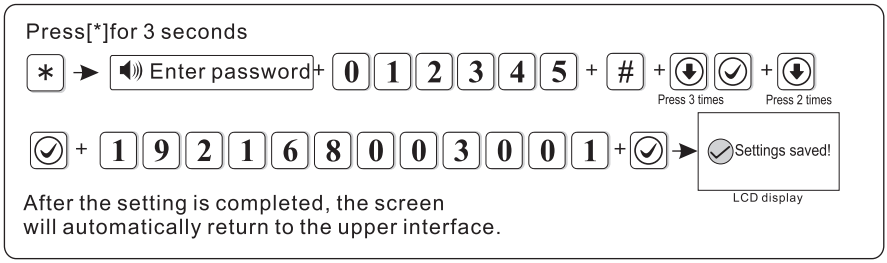
Press[*]for 3 seconds



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

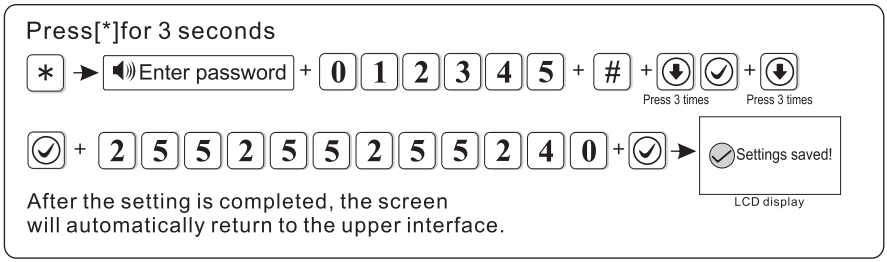
6.3.3 Network gateway

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



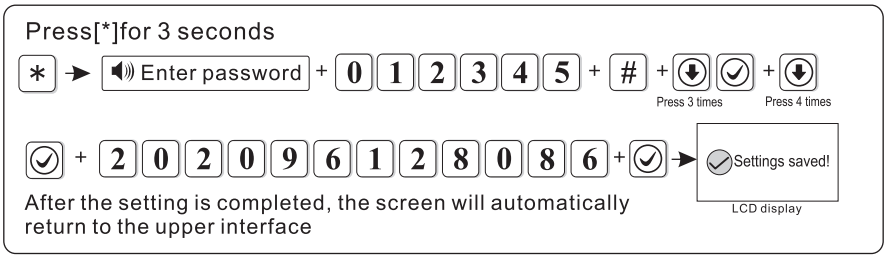
6.3.4 Subnet mask

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 Standby DNS

Please refer to the above operation method.

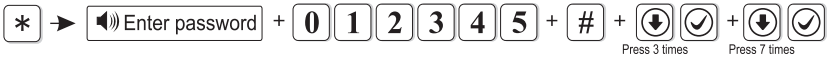
6.3.7 WEB port

Please refer to the above operation method.

6.3.8 APN settings

Set the access point for accessing the network, and the user enters it according to the actual needs.

Press[*]for 3 seconds



0 ~ 9 CALL TEST	Pressing multiple times can switch between numbers and upper/lower case English.	↑ / ↓	Move the cursor position
*	Delete character	#	Line break
↩	Exit settings	✓	Save settings

6.4 Set CMS

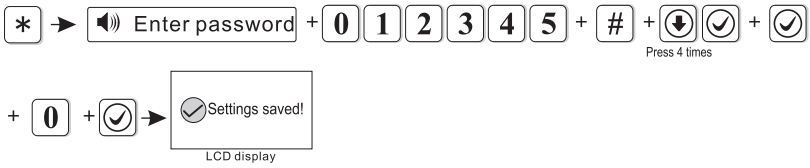
Press [*] for 3 seconds,
voice prompt"Please enter password"

- 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



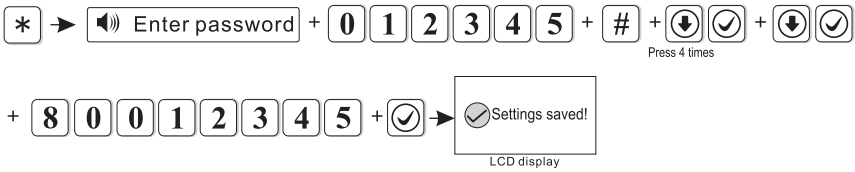
0 is disabled,1 is enabled, after the setting is completed, the screen will automatically return to the upper interface

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

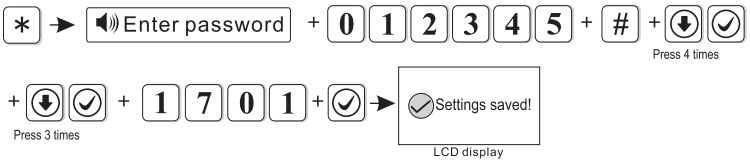
Please refer to 6.3.2

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

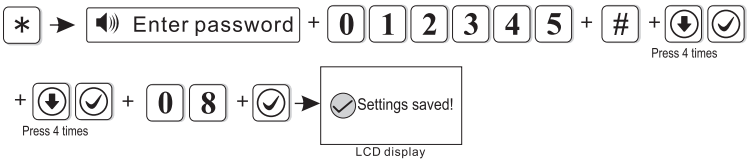


After the setting is completed, the screen will automatically return to the upper interface.

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

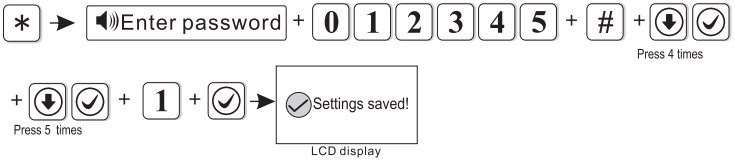


Dial times can be set as 1-15, high perch fill 0 when less than 2 bits.
After the setting is completed, the screen will automatically return to the upper interface.

6.4.6 Internet CMS Enable(the default is disabled)

For example: Enable network platform.

Press[*]for 3 seconds

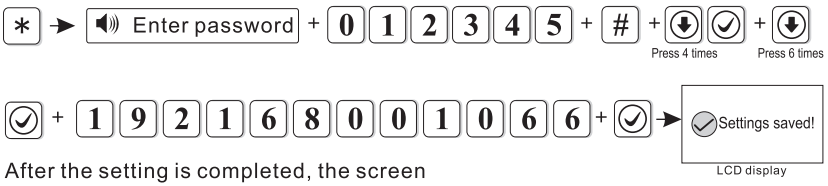


0 is disabled, 1 is enabled, after the setting is completed, the screen will automatically return to the upper interface.

6.4.7 Server IP

For example: set server IP as 192.168.1.66

Press[*]for 3 seconds

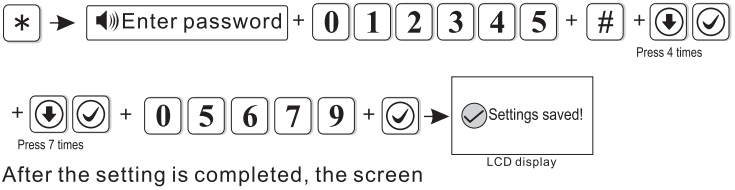


After the setting is completed, the screen will automatically return to the upper interface.

6.4.8 Server Port

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

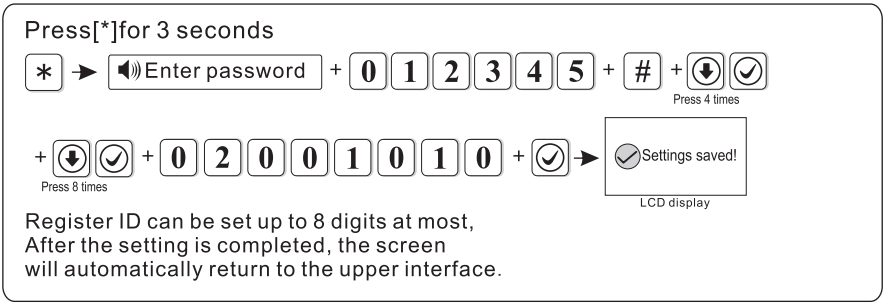
Press[*]for 3 seconds



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

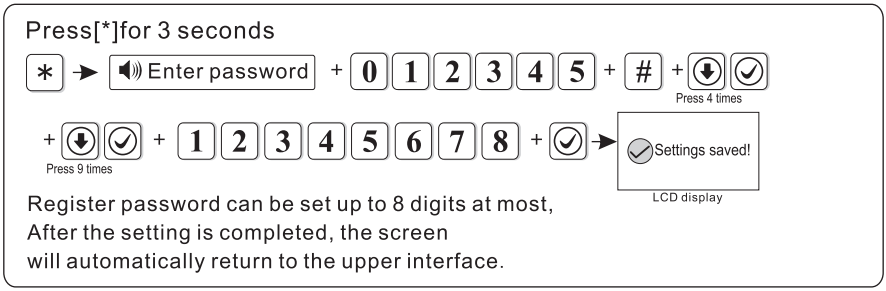
6.4.9 Server Account

For example: set server register ID as 02001010.



6.4.10 Server Password

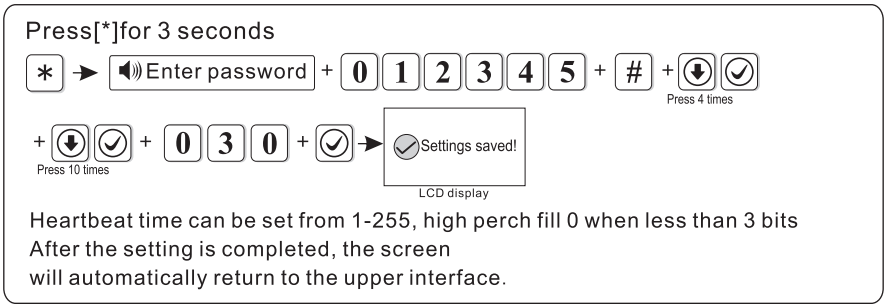
For example: set server register password as 12345678



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 25s)



6.5 Set Voice Phone

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

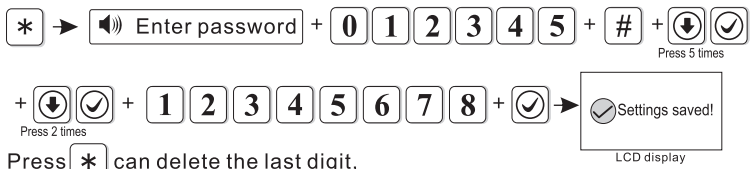
- Voice Phone 1
- Voice Phone 2
- Voice Phone 3
- Voice Phone 4
- Dialing times
- APP Server IP
- APP Server port
- APP Account
- APP Password
- APP QR code

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



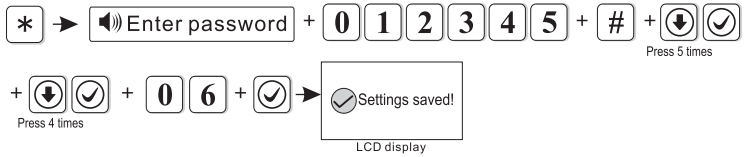
Press * can delete the last digit,
After the setting is completed, the screen will automatically return to the upper interface.

6.5.2 Dialing times

Default is 5 times.

For example: set voice phone dial times as 6.

Press[*]for 3 seconds

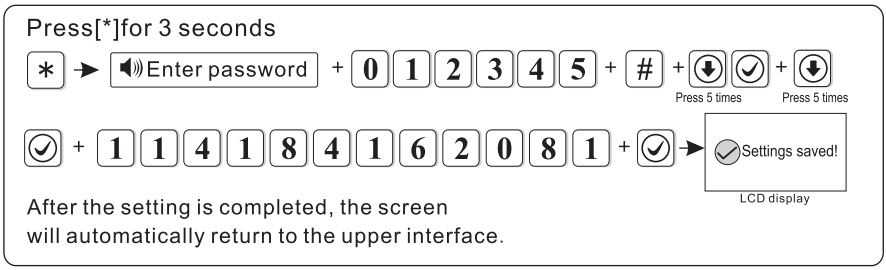


The dial times can be set as 1-15, high perch fill 0 when less than 2 bits.
After the setting is completed, the screen will automatically return to the upper interface.

6.5.3 APP Server IP

①Set App server：default is 119.147.144.090

For example: set App server IP as 114.184.162.081



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 to add login account.

6.6 System options

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

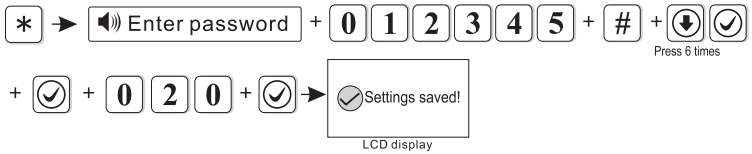
- Entry Delay
- Exit Delay
- Siren Time
- Sensor loss
- AC off Delay Time
- Comm Test
- Arm/Disarm Tone
- Arm/Disarm Report
- Force Arming
- Door Open Check
- Sensor Tamper Check
- Alarm Times
- Emergency Siren Type

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



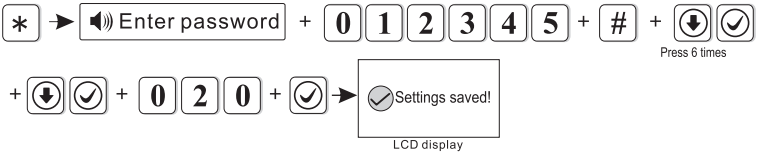
The entry delay time can be set from 1-255, high perch fill 0 when less than 3 bits.
After the setting is completed, the screen
will automatically return to the upper interface.

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

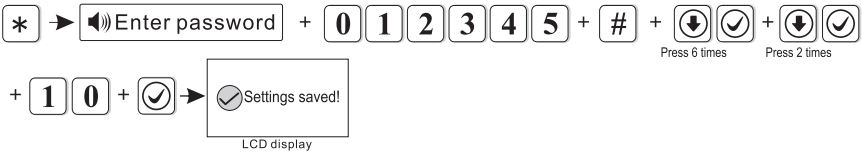


The entry delay time can be set from 1-255, high perch fill 0 when less than 3 bits.
After the setting is completed, the screen
will automatically return to the upper interface.

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

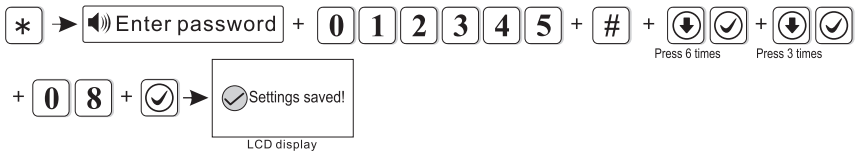


The siren time can be set from 1-30, high perch fill 0 when less than 2 bits.
After the setting is completed, the screen
will automatically return to the upper interface.

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

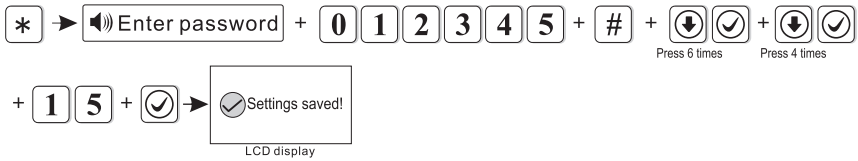


The detector loss inspection time can be set from 0-99,
high perch fill 0 when less than 2 bits. after the setting
is completed, the screen will automatically return to the upper interface

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



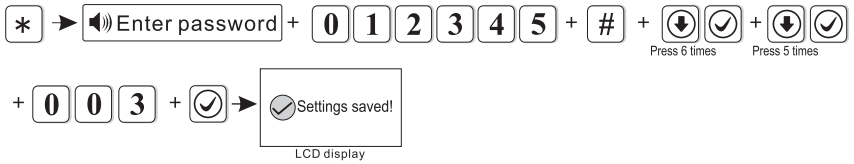
The AC off inspection time can be set from 0-99,
high perch fill 0 when less than 2 bits. after the setting is
completed, the screen will automatically return to the upper interface

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

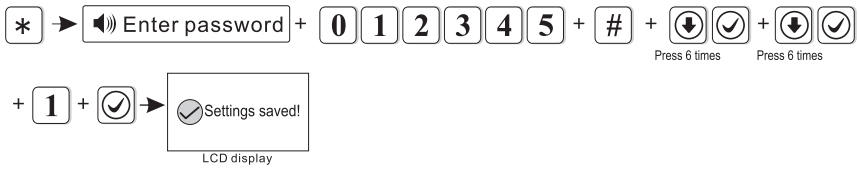


The communication test interval time can be set from 0-999, high perch fill 0 when less than 3 bits. after the setting is completed, the screen will automatically return to the upper interface

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

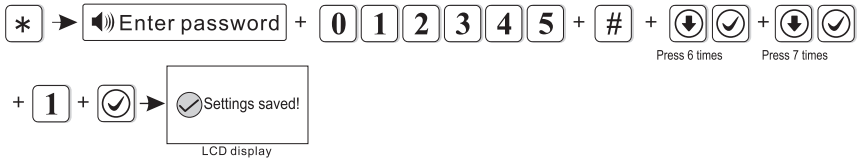


0 is disabled,1 is enabled,after the setting is completed, the screen will automatically return to the upper interface.

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

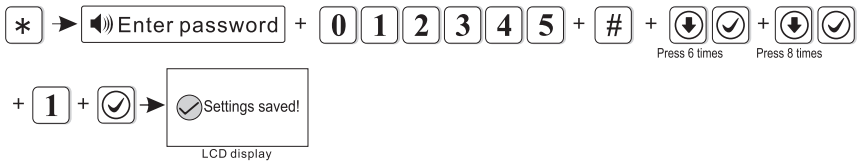


0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

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.

Press[*]for 3 seconds

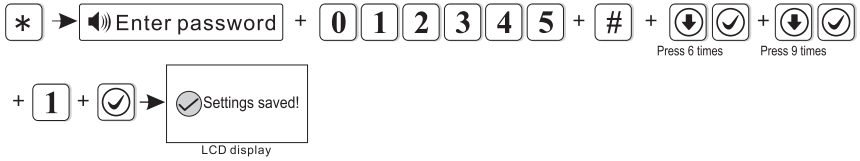


0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

6.6.10 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

Press[*]for 3 seconds

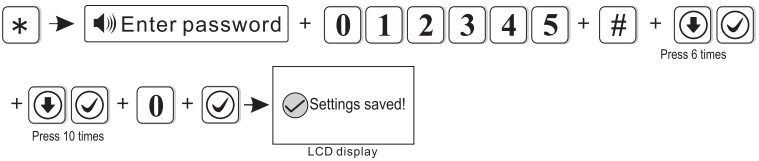


0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

6.6.11 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

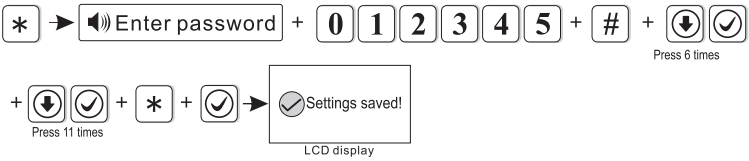


0 is disable, 1 is enable. After the setting is completed,
the screen will automatically return to the upper interface.

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

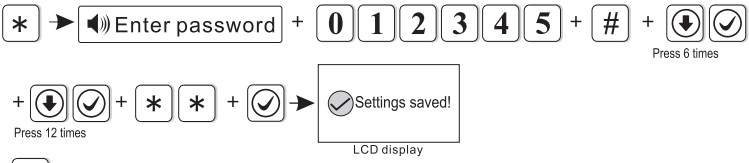


* switch selection,After the setting is completed,
the screen will automatically return to the upper interface.

6.6.13 Emergency Siren Type(the default setting is mute)

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

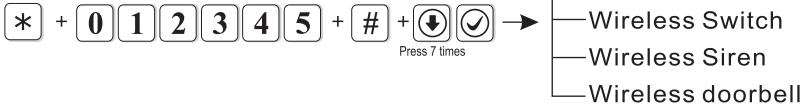
Press[*]for 3 seconds



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

6.7 Wireless

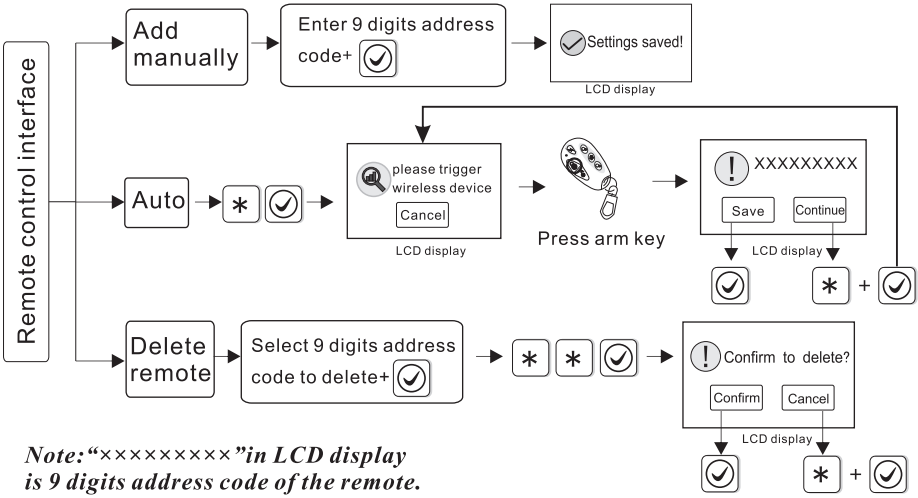
Press * for 3 seconds,
voice prompting “enter password”.



6.7.1 Wireless Remote

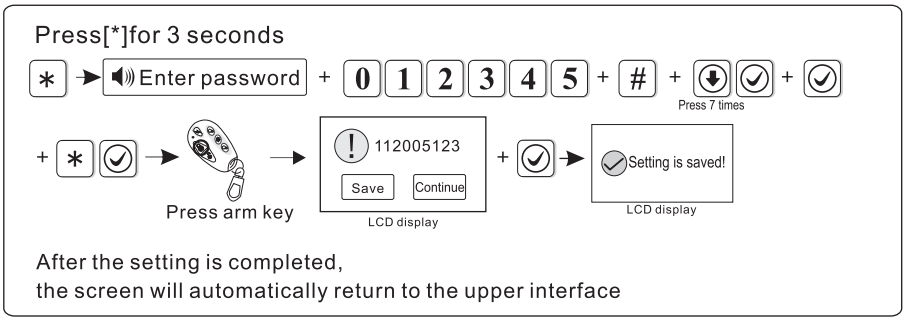
Press[*]for 3 seconds

* 0 1 2 3 4 5 # Press 7 times 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.

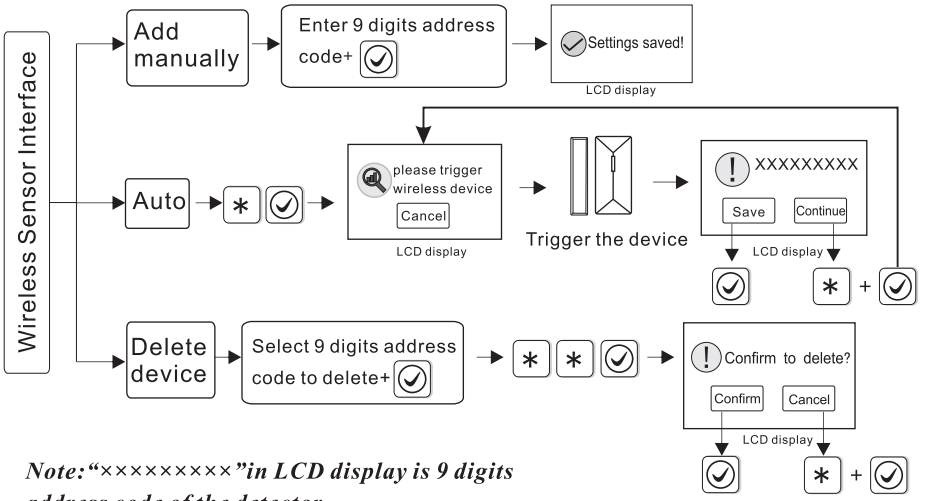


After the setting is completed,
the screen will automatically return to the upper interface

6.7.2 **Wireless Sensor**

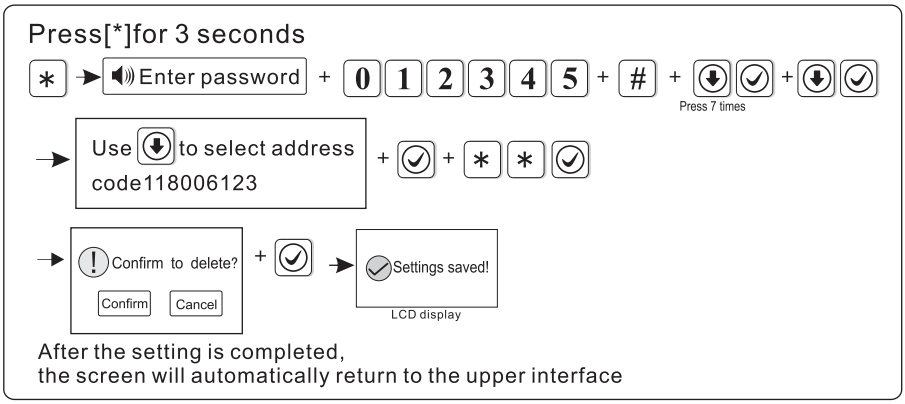
Press[*]for 3 seconds

* + 0 1 2 3 4 5 + # + + + After that, the following operations can be carried out:
Press 7 times



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

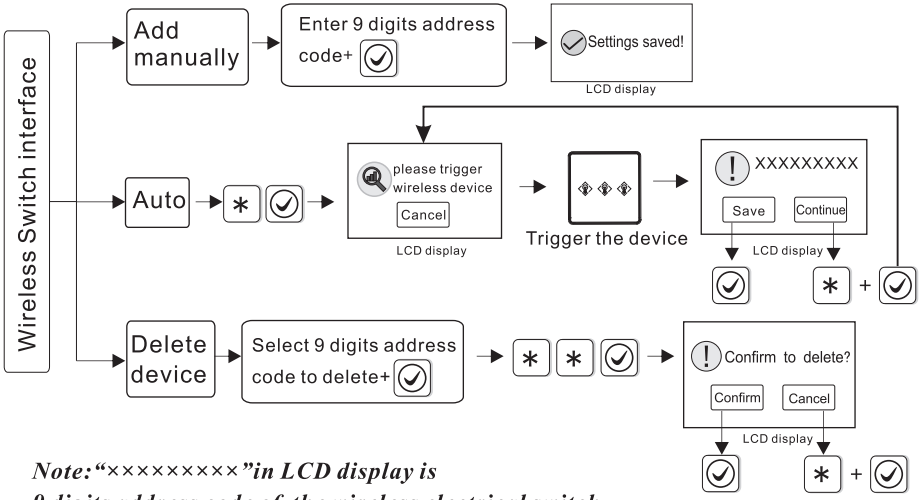
Support 32 wireless detectors at max, the zone number will be the order of detectors added.
E.g.: Delete the address code (118006123) of the detectors



6.7.3 Wireless Switch

Press[*]for 3 seconds

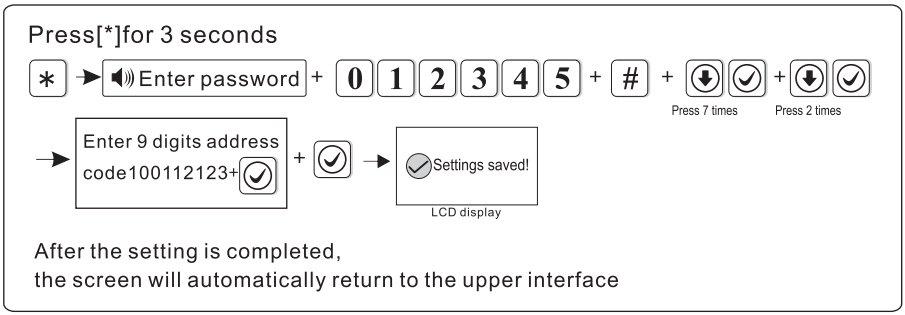
* + 0 1 2 3 4 5 + # + Press 7 times + Press 2 times After that, the following operations can be carried out:



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

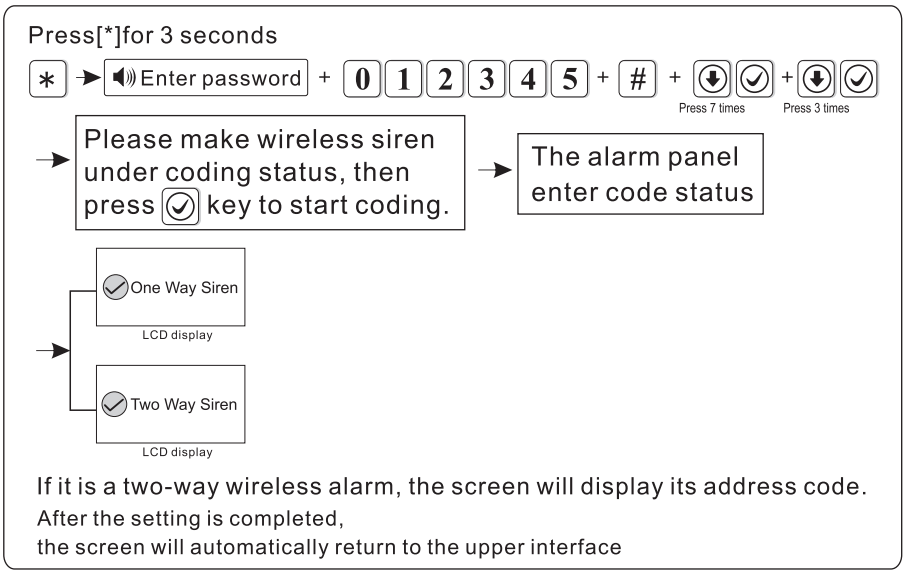
Support 16channel Wireless Electrical Switch at max.

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



6.7.4 Wireless Siren

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



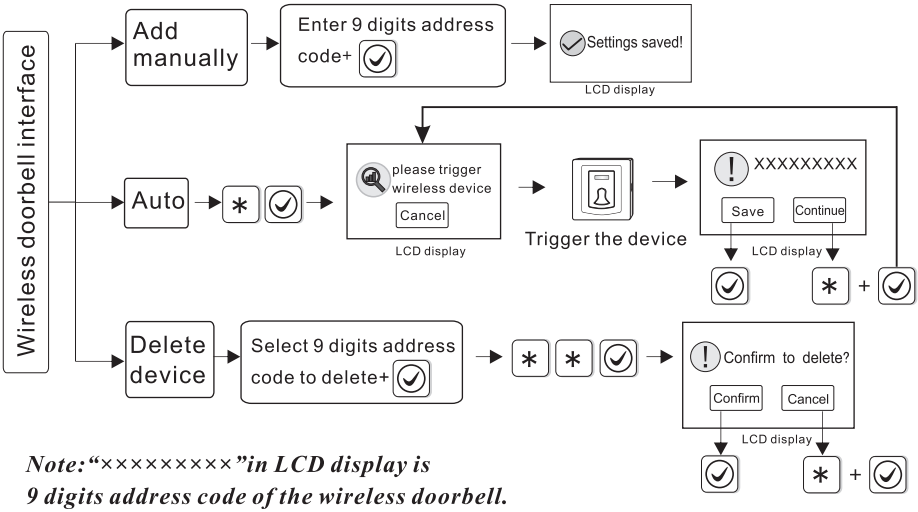
Note*: *When tamper alarm from the dual-way siren, the alarm panel will show zone 41 alarm.Only one dual-way wireless siren can be added, but no limits for one way wireless siren.If need to add both dual way and one way siren, please add dual way siren at last.

6.7.5 Wireless doorbell

Press[*]for 3 seconds

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

Press 7 times 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 7 times 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

Press 8 times

Zone 1-32 is for wireless device, Zone 32-40 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 33-40)	

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(33-40 zone)

②Set zone siren type

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

③Chime Function

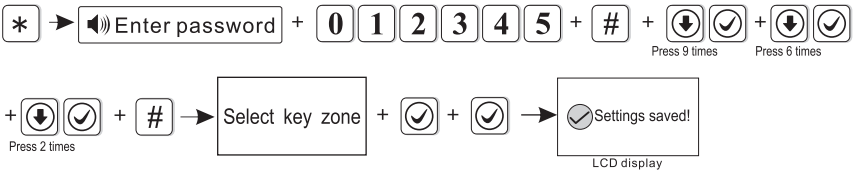
When the detector as delay zone, once it is triggered, the alarm panel will sound “dingdong” or “welcome”, optional. Factory default is disabled.

Factory default:

Zone	Zone Type	Siren type	Chime
1~2	Delay	Continuous	Disabled
3~32	Burglar	Continuous	Disabled
33~40	Disabled	Continuous	Disabled

E.g.: set zone 39 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 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

Note: This machine does not support the mail function.

Factory default:

Alarm Alert Type	Factory Default			
	CMS	Voice Phone	SMS	Email
Delay	■	■	■	□
Perimeter	■	■	■	□
Interior	■	■	■	□
Emergency	■	■	■	□
24 Hour	■	■	■	□
Fire	■	■	■	□
Panic	■	■	■	□
Tamper	■	■	■	□

Alarm Alert Type	Factory Default			
	CMS	Voice Phone	SMS	Email
System Away	■	□	■	□
System Disarm	■	□	■	□
System Stay	■	□	■	□
System low battery	■	□	■	□
AC loss	■	□	■	□
AC Restore	■	□	■	□
Alarm Cancel	■	□	■	□
Sensor Low Battery	■	□	□	■
Sensor bat Recovery	■	□	□	■
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	□	□	□	□

Alarm Alert Type	Factory Default			
	CMS	Voice Phone	SMS	Email
Burglary Recovery	☐	☐	☐	☐
Panic Recovery	☐	☐	☐	☐
24 Hour Recovery	☐	☐	☐	☐
Fire Recovery	☐	☐	☐	☐
Emergency Recovery	☐	☐	☐	☐
Tamper Recovery	☐	☐	☐	☐
RF Loss Recovery	☐	☐	☐	☐

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.

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

Press[*]for 3 seconds

[*] → Enter password + [0][1][2][3][4][5] + [#] + [↓][✓] + [#]
Press 9 times

→ Select perimeter + [✓] + [↓] + [#] + [✓] → Settings saved!
Press 4 times
LCD display

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

6.10 SmartHome

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

[*] + [0][1][2][3][4][5] + [#] + [↓][✓] Set the timing to open or close the wireless switch.
Press 10 times

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.

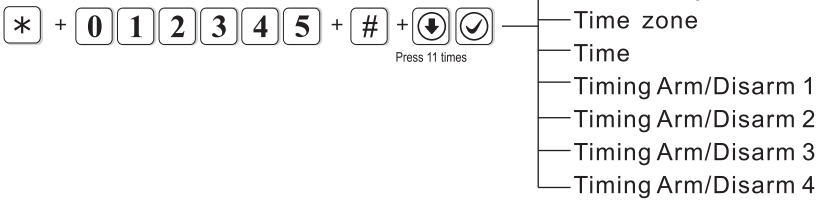
For example: Set the wireless switch to turn on at 18:35 and turn off at 22:45. (00:00 is invalid time)

Press[*]for 3 seconds

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

6.11 Time

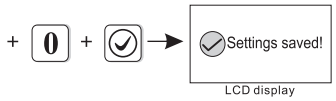
Press * for 3 seconds,
voice prompting “enter password”.



6.11.1 Auto time(default is open)

For example: Set automatic timing to close

Press[*]for 3 seconds



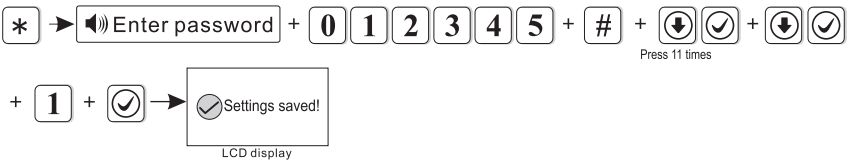
0 is disable, 1 is enable. After the setting is completed, the screen will automatically return to the upper interface.

6.11.2 Daylingt-saving time(The default is to shut down)

Summer 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 summer time ends.

For example: Set Summer Time active.

Press[*]for 3 seconds

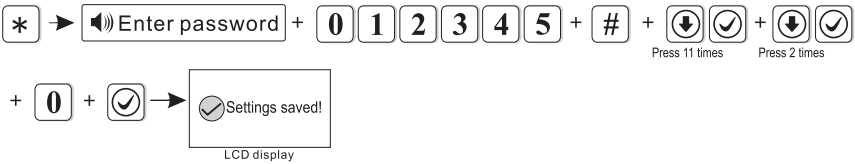


0 is disable, 1 is enable. After the setting is completed, the screen will automatically return to the upper interface.

6.11.3 24-hour system(The default is to open)

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

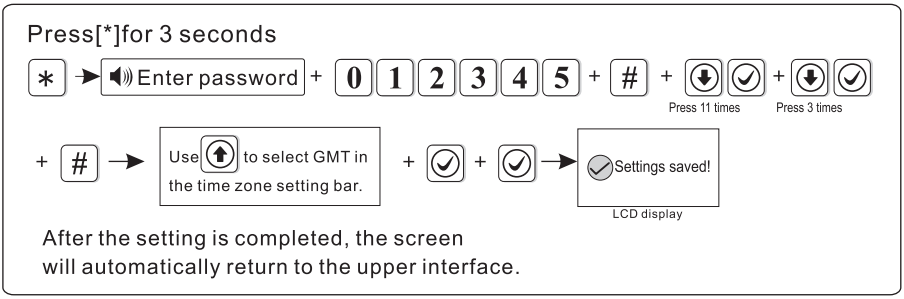
Press[*]for 3 seconds



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

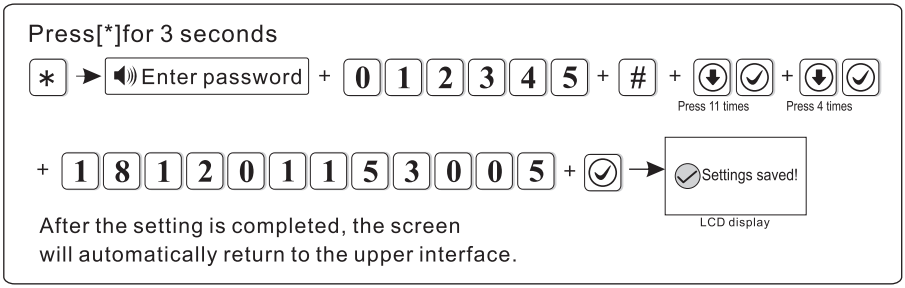
6.11. 4 Time zone(default set is Beijing time GMT+8:00)

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



6.11. 5 Time

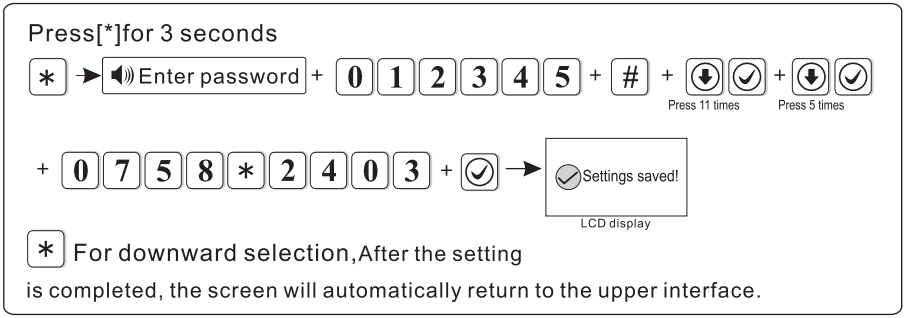
Example Set the time to 15:30 05 on 1 Dec, 2018 .



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

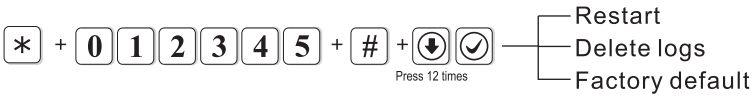
6.11. 6 Timing Arm/Disarm

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 24:03



6. 12 Restart

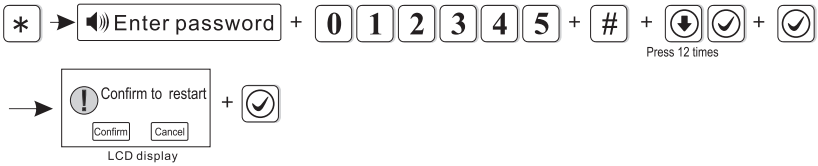
Press * for 3 seconds, voice prompting “enter password”.



6.12. 1 Restart

For example: restart the system.

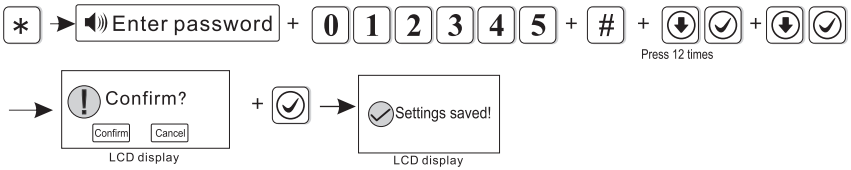
Press[*]for 3 seconds



The alarm host will restart after setting.

6.12. 2 Delete logs

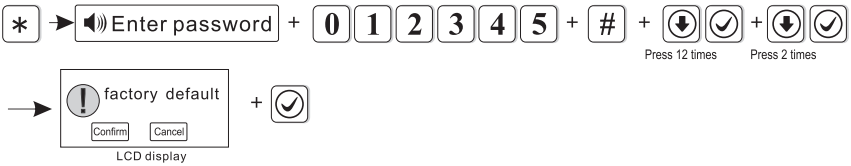
Press[*]for 3 seconds



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

6.12. 3 Factory default

Press[*]for 3 seconds



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

6.13 Display

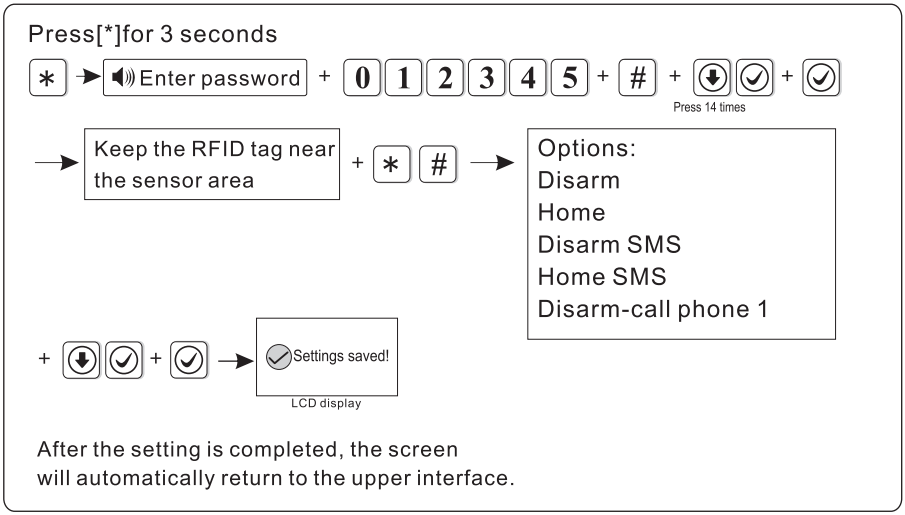
Press to Increase the brightness

Press to Reduce the brightness

6.14 RFID

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

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

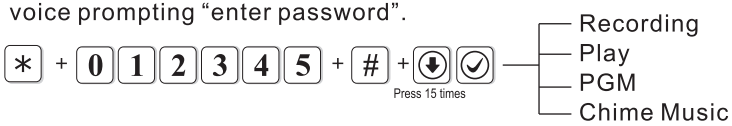


Note: 1. Pls preset the message text on WEB MENU for the two options [disarm and send sms][home arm and send sms]

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

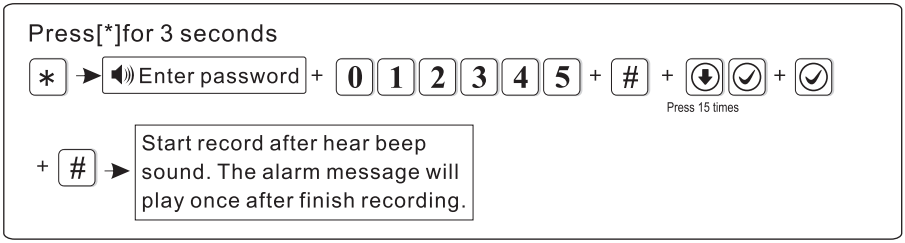
6.15 Others

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



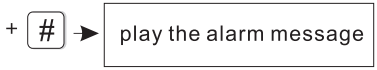
6.15.1 Recording

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



6.15.2 Play

Press[*]for 3 seconds



6.15.3 PGM

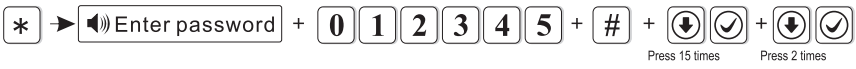
the voltage will change from 0V to 12V as soon as some events occurs. (Default is follow alarm output)

Trigger events can be set as below

1. Follow alarm output
2. Follow AC power fault output
3. Follow arm output
4. Follow disarm output
5. Follow communication fault output
6. Password control output

Example : set PGM output follow AC power fault output.

Press[*]for 3 seconds

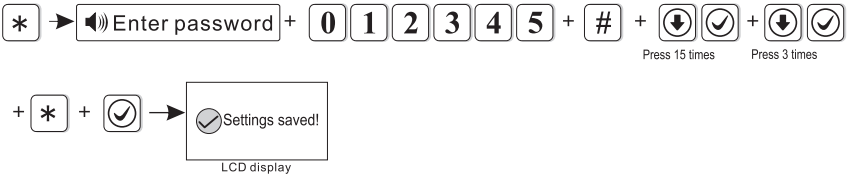


Hint: when setting as password control output, press key 5 for 3 seconds, then enter the user password, the programme output port will be open or closed. Voice phone or SMS also can open or close the outport.

6.15.4 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



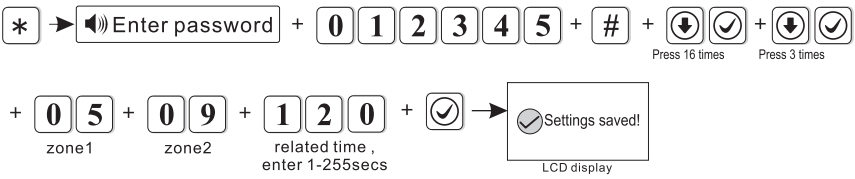
After the setting is completed, the screen
will automatically return to the upper interface.

6.16 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 120secs.

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.

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

4.System alarming current: < 300mA(exclude wired high siren current)

5.System maximum output current: ≤100mA(supply wired detector)

6.Modulation: ASK/FSK

7.Frequency:433/868MHz(Optional)

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

9.The method of alarming dial: Internet IP, GSM or 4G

10. Communication protocol with CMS: Ademco Contact ID

11.DTMF dial frequency variation: < 1.5%

12. Bluetooth technology: BLE 5.1

13. Recording time:20s

WiFi features

Standard: 802.11 b/g/n/ax

Built-in Tensilica L106 ultra-low-power 32-bit micro MCU supporting RTOS

Built-in TCP/IP protocol stack

WiFi @ 2.4GHz, Supports WPA/WPA2 Security Mode

Support AT remote upgrade and cloud OTA upgrade

Support STA/AP/STA+AP working mode

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

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

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.