- High-End Class WIFI / GPRS / GSM Network Home Alarm system

Network Alarm Panel User Manual

EN

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1.Product Summary

W7 alarm system adopts the up-to-date digital sensor and transfer technology, which integrates burglar, and fire/gas protection for smart alarm system. W7 adopts dot-matrix, Chinese/English image-text display, unique operation system, easy to use. Support IOS and Android Phone app software. Users can remotely control and program the alarm host Via APP, W7 also supports multi-language. The system adopts WIFI /GSM/GPRS wireless network digital signal processing technical. When alarm, it will inform alert via voice, information push, pop-up alarm on screen. W7 is a advisable choice for personal house 's security, working office's security and factory's security with fashionable appearance and multi-functions.

For a better service for users, please read this user's manual before installing and operating this alarm system.

We reserve the right to manual modification and explanation, so the manual changes without any prior notice.

2.Main Features

- WIFI/GPRS/SMS three network transmit alert, two network backup modes for selection.
- Dot-matrix LCD, Chinese/English image-text display, creative operation alarm system.
- Support 8 remote controllers maximum, home arm and away arm.
- 32 wireless zones type and 12 zones types are optional: disable, delay, burglar, perimeter, fire, gas, duress, SOS, medical, doorbell, smart, outing reminder.
- Support 8 alarm numbers. Alarm phone type can be set in Disable; GSM network, dial; GSM network, SMS; GSM network, SMS&Dial; GSM Network, Contact ID.
- Connect network with alarm center, compatible Contact ID Protocol.
- Support 16pcs of smart socket and switch, support alarm linkage, timing switch, remote operation.
- Support remote unlocking smart door.
- Support to auto push messages about doorbell zone.
- Built-in temperature sensors can display temperature on site. Optional Fahrenheit or Celsius.
- Designed by class codes, a set of program code, a set of user code, a set of duress code.
- Support IOS and Android APP software, user can operate and program alarm host via app software.
- Support arm/disarm, system, alarm information pushed in multi-language, alarm information pop-up on the screen, alarm voice and vibration.
- Zone name can be edited by users, Check all states of the host in real time.

- Fast intelligent networking capabilities, multiple mobile phones at the same time control the host, and optional sharing of features to other users.
- Support 20s user-defined recording which can be replayed. Alarm host will play the recording to users when voice alarming.
- Support 4 fast call number or direct-call by inputting number in keypad. Support HR answering call.
- Support monitoring on site. One set of interface for wired siren and wireless siren.
- Support remote operation by SMS for arming, disarming, monitoring and querying status etc.
- 2 arming/disarming timers can be set based on weekdays and weekends.
- Built-in high power capacity 1200mAh lithium battery, standby time at least 8 hours .
- Support 100 pieces of latest alarm records and querying via APP.

3.System Introduction

3.1 Installation

3.1.1 Panel Installation

All power adaptor cable,siren,wired zone cable are connect and hide in the back side of the panel. The panel can be installed on desk or hanged on wall with an easy and convenient operation. Please install the bracket first before installing the panel on a desk or wall and make sure that the panel is installed in the center with good GSM signal and wireless signal reception. Keep the panel away from big metal objects, high-frequency household appliances, concrete walls and firewall.

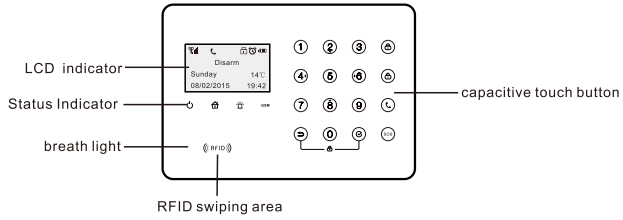
3.1.2 Wireless Detector Installation

Install the detector in an effective distance from alarm host as the user's manual of wireless detector description. Testing the detectors and alarm system after installation to make sure the alarm host and detector work fine.

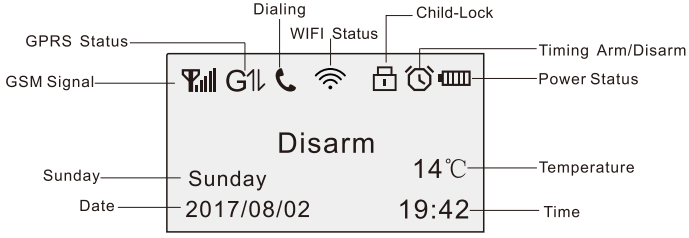
Wireless transmitting function: when the alarm host can not receive the signal from wireless detector due to far distance or wall-shading between wireless detector and alarm host, the wireless repeater can be used to lengthen transmitting distance.

3.2 Panel Introduction

3.2.1 Front of panel



3.2.2 LCD: Image resolution: 128*64, Chinese/English



Note: The signal level of GSM module is 0-5. 0 means no signal, the signal over 3 means normal working.

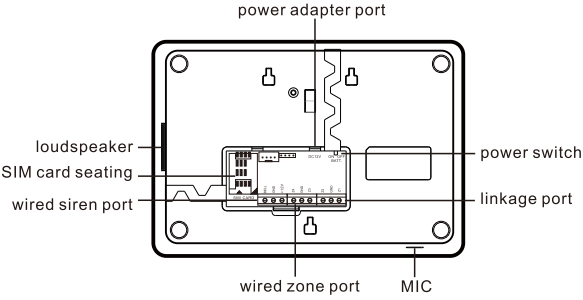
3.2.3 Indicator

Indicator	Light on	Light off	Fast flashing	Slow flashing
⏻	AC power	Battery power		Panel or detector battery low power
⌂	Away arming	Disarming		Home arming
🔔	Door open	No alarm	Alarming	
GSM	GSM working		GSM fault/GSM initialization failed	Weak or no signal of GSM

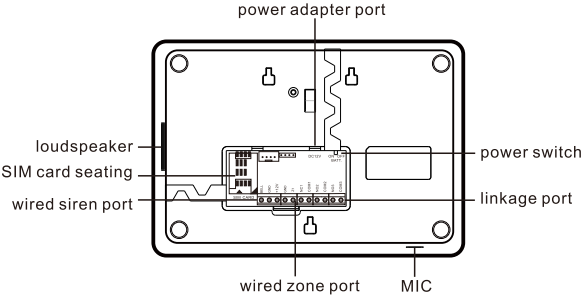
3.2.4 Capacitive Touch Button

- Away Arming, long press for 3s
- Disarming, first input user's code, then press
- Calling, first input dialing number, then press
- SOS, press for 3s
- Back, press for backing the previous step
- OK, press

3.3 Back of Panel



(WIRED ZONE VERSION)



(RELAY VERSION)

Note: There are two version for W7, one is wired zone version, which support 4 wired zone type; the other is relay version, which support 1 wired zone+3relay port

3.3.1 Wired Zone Port

4 wired zone port（wired zone version）;1 wired zone port(relay port). The NC type, respectively the connected detector must be NC type when standby, and alarm output should be NO type.

3.3.2 Siren port

Siren port is used to connect wired siren or alarm lamp, and the port current cannot be beyond 150mA. Please be careful of the polarity when connecting with wired siren. The positive side of siren should be connected with BELL port, and passive side of siren should be connected with GND port. Recommend to adopt 12V piezoelectric outdoor siren.

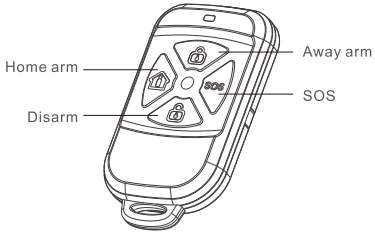
3.3.3 +12V Port

Supply power for wired detectors, but the current should not exceed 150mA.

3.3.4 Illustration of Beep

Beep	Illustration
A short "Di"	Enrollment succeed Arming succeed
Two short "Di"	Correct operation Disarming succeed
A short "Di"/s	Arming delaying Alarm delaying

3.4 Remote controller



3.4.1 Away Arm

Away arm refers to arm all the detectors of whole house when users are out of home, and there is nobody at home. When detectors are triggered by burglar/fire/gas, panel host will alarm immediately.

3.4.2 Home Arm

Home arm refers to arm some of detectors outside for safety when users are in house. In other words, some of detectors will be working, while others are not. Users can set the protected zone In the home arming list .

3.4.3 Disarm

Disarm refers to stop all the sensors working and terminate panel host alarming. Panel host will not alarm even if detectors are triggered(24hours zone type will still working and alarming).

3.4.4 Emergency Alarm

When emergency happened , users can long press SOS in the panel host for 3s, then the panel host will be alarming immediately or press SOS button in the remote controller.

3.5 Functions

3.5.1 Swiping RFID card to inform

The user can swipe RFID card to disarm, and host will send the RFID card notification to user mobile phone. The panel have to set RFID notice phone no. And RFID card notice message.

3.5.2 Door open/close function

- **Door Open/Close**

User can set door open/closed function for any zones to avoid arming failure when door open. When door open/closed setting is enabled/activated, all doors/windows should be closed then panel can arm.

- **Force arm**

When user wants to arm the zones with open door, it needs to enable the force arm function. When arming compulsively, the zones with open door are disabled. Only the door is closed, the zones will work normally.

4.Initial Charging

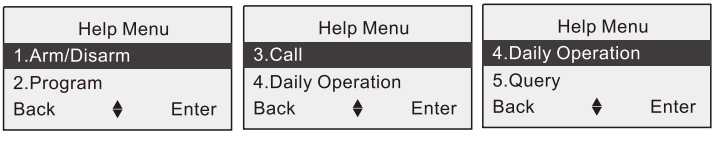
According to the installation, users should put the SIM card into SIM card slot back of panel, then put the power adapter into power outlet back of panel. At the same time, the LCD, indicators and back lights of panel will be lighted on, then the panel starts to detect GSM network. GSM light fast flashing means the panel is searching GSM network, while that GSM light turns into long light, it means GSM network and SIM card is normal working. If GSM light is flashing all the time, it means SIM card is not installed or SIM card is abnormal.

5.System Operation

5.1 Help Menu

5.1.1 Entering Help Menu

Only in the standby status, press ⊃ for 3s, then enter the help menu which is built in panel.



5.1.2 Keypad Operational Order Chart

Function	Keypad Operation	Instruction
Arming/Disarming Order		
Away Arm	[User Password][🔒]	User Password Factory Default: 1234
Away Arm	[🔒](Press 3s)	Fast arm
Home Arm	[User password][0][🔒]	User Password Factory Default: 1234
Disarm	[User password] 🔒]	User Password Factory Default: 1234
Duress Disarm	[Duress password][🔒]	Duress Password Factory Default: 1235, Panel disarm, report of duress alarm

Programming Order		
Enter Programming	Program password][⊙]	Program Password Factory Default: 888888 Effective under disarming status.
Exit Programming	[⊖]	Under programming status.
WIFI Configuration	[Programming Password][5] [⊙]	
Call Order		
Fast Call	[1/2/3/4](Press 3s)	Preset number in the fast call number list
Call	[Number][✆]	
Daily Operation Order		
Panel Reset	[User Password][8] [⊙]	User Password Factory Default: 1234 Effective under disarming status
Record	[23][⊙]	
Playback	[24][⊙]	
Smart Socket Control	[27][⊙]	
Touch Switch Control	[28][⊙]	
SOS	[SOS](Press 3s)	
Child- lock	[⊖] [⊙]press 3s together	
Querying Order		
View Alarm Log	[13][⊙]	30 pieces of alarm records
View System	[14][⊙]	View software version No. & system language
Background Operation Order		
Restore All Passwords	[1122334401][⊙]	Only restore user password, duress password & program password

5.2 Daily Operation

5.2.1 Fast Calling

Input 1/2/3/4 to call phone preset in the fast call list.

Figure 1: input [1]/[2]/[3]/[4] for 3s to fast call
Figure 2: waiting for answering
Figure 3: answering

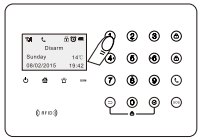


Figure 1

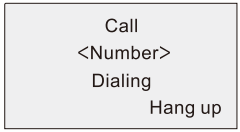


Figure 2

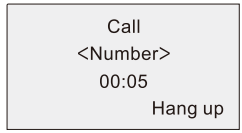


Figure 3

Note: When under notification status, the user can also perform voice service operation , the numeric keys 0-9, arm key is "*", and the disarm key is "#".

5.2.2 Calling

First Input the phone number, second press , then wait for answering.

Figure 1: Input the phone number and press
Figure 2: waiting for answering
Figure 3: answering

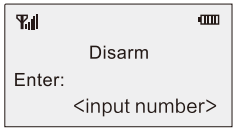


Figure 1

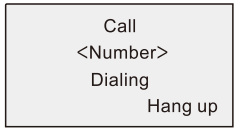


Figure 2

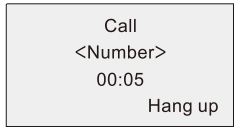


Figure 3

5.2.3 Answering

When the ring bell function is set in the system setting, all the phone call to panel will be answered by the panel host.

Figure 1: ringing
Figure 2: answering

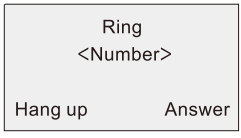


Figure 1

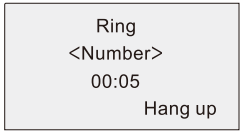
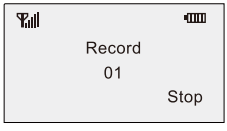


Figure 2

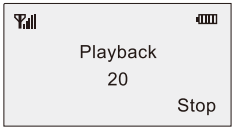
5.2.4 Recording

In the disarm status, first input [23], second press ⊙ button, then panel is entering the interface of recording. At this time, users can start to record and end with ⊙ button or end it itself. The recording can last 20s maximum.



5.2.5 Playback

In the disarm status, first input [24], second press ⊙ button, then panel is entering the interface of playback. If there is no recording, panel will beep a long "Di". Users can press ⊙ button to stop the playback or it will be ended itself.



5.2.6 Smart Socket Control

The user can manually control smart socket through the keyboard or APP software. And can set the function of countdown switch, timing switch and alarm linkage etc.
Smart socket control and enroll operation: in standby status, enter [2][7] ⊙ ,and enter smart socket control page. Click [2] or [8] button to select the smart socket number, press the [1] or [3] key to control and enroll smart socket, press ⊃ the key to exit the control status.

Figure 1: input [2][7] ⊙
Figure 2: enter control menu
Figure 3: input [2] or [8] to choose switch No.

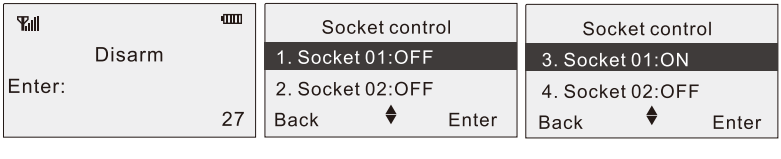
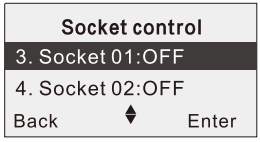


Figure 4: enroll press smart socket button for 3 seconds until the power indicator flash slowly, then press the [1] or [3] key to enroll Smart socket. when learn successfully , socket power indicator stop flashing. Control operation: press [1] or [3] key to control smart socket.



Delete Smart Socket Enrolling:

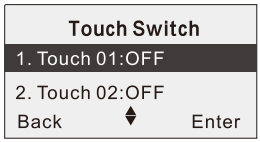
Press smart socket button for 3 seconds until the power indicator slowly flash and last for 3 Second, and then power indicator will flash quickly. Release the button and press again ,mean confirm to delete enrolling, and the power indicator light goes out, indicating that the enrolling delete successful.

Note: Every smart socket can enroll 4 groups of codes/enroll 4 pcs alarm panel.

5.2.7 Touch Switch Control

The user can manually control switch through keyboard or APP software, which can be used for the countdown switch of touch switch, timing switch and alarm linkage.
Touch switch control and enroll operation: in standby status, input[2][8] ⊛ , enter touch switch control menu.Press [2] or [8] key to select touch switch No., press [1] or [3] key to control and enroll touch switch, press ⊛ key to exit the control status.

Figure 1: input [2][8] ⊛
Figure 2: enter control menu
Figure 3: input [2] or [8] to choose switch No.



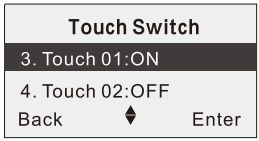
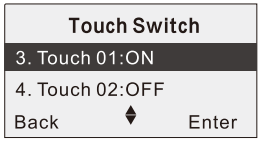


Figure 4: Open enroll operation: press any button of touch switch until the buzzer rings 2 sound, and then release. Press [1] key to learn the opening of touch button, to realize the function of opening touch button function.
Close enroll operation:long press any button of touch switch until the buzzer rings 3 sound ,and then release. press [3] key to learn the chose key of touch button, to realize the function of closing touch button.Control operation: press [1] or [3] key to control the touch switch.



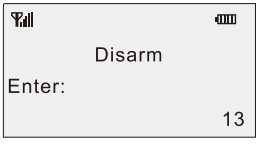
Delete Touch Switch Enrolling:
Press any button of touch switch until you hear the buzzer ring 4 sound, and then release. All enrolling will be deleted.

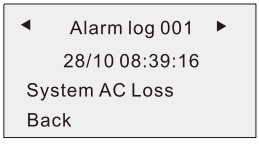
Note: Every touch button can enroll 4 groups of codes/4alarm panels.

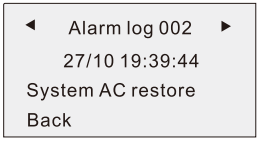
5.2.8 Viewing Alarm Records

The alarm system will reserve 100 piece of alarm records. The first record is the latest alarm event. When alarm records are beyond 100 pieces, the earlist records will be automatically deleted by alarm system.
The way to view the alarm records: In the disarming status, first input [13], second press ⊙ button, then panel is entering the interface of viewing alarm records. At this time, input[4]/[6] to query alarm records and press ⊃ button to exit .

Figure 1: input [13]
Figure 2: enter the interface of alarm records
Figure 3: input [4]/[6] to query viewing alarm records

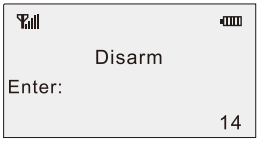


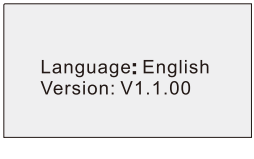




5.2.9 Viewing System Information

In the disarm status, first input [14], second press ⊙ button, then panel is entering the interface of viewing system information.





5.2.10 Answering Alarm Call & Remote Operation

- **Remote Control by Phone**

When alarm happens, panel will automatically call to the preset number. When users answer alarm call, panel will send voice alarm report to users. After that, there are 5s for users to input Instruction (table 1) by phone keypad. If users have no any operations after answering, the panel will reply the voice alarm report for three times and then hang up automatically.

Note: when user opens monitoring, panel will close the siren automatically.
If there are no any operations within 60s, panel will hang up automatically.

Table 1:

Instruction	Implication	Instruction	Implication
1#	Away arm	7#	Open/close monitoring
2#	disarm	8#	Open/Close Intercom
5#	Open siren	0#	Hand up
6#	Close siren		

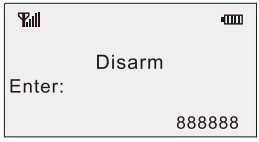
6.System Program

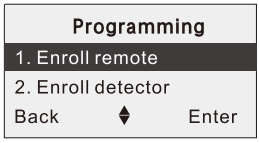
6.1 Enter System Program

6.1.1 Enter Program

Only entering the system programming status, all related operation of system can be programmed. After entering, press [2] button of panel to turn over menu up; press [8] button to turn over menu down; press [4] button to turn over menu left, press [6] button to turn over menu right.
The way to enter programming: in the disarming status, first input program password of six digits (factory fault: 888888), then press ⊛ button.

Figure 1: in the disarming status
Figure 2: input program password
Figure 3: press ⊛ button



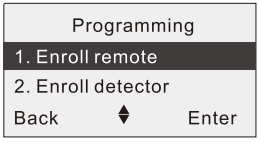


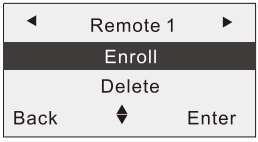
6.2 Enter System Program

6.2.1 Enroll Remote Controller

The alarm system can enroll 8 remote controllers maximum. If there is a "√" mark, then it means it has already enrolled before. Users should delete it first, then the remote controller can be re-enrolled.

Figure 1: enter remote controller menu.
Figure 2: input [4] or [6] to choose "Remote Controller NO." menu
Figure 3: input [2] or [8] to choose "Enroll" menu, then press "enter"





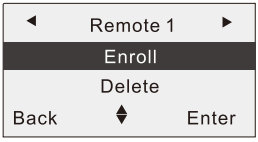
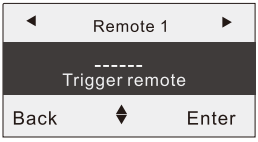
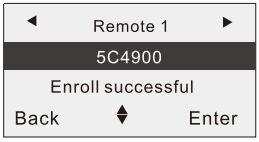


Figure 4: wait for triggering remote controller
Figure 5: enroll repeatedly
Figure 6: enroll successfully





6.2.2 Delete Remote Controller

In the remote controller enroll menu, press [4] or [6] button to delete the remote controller, press [2] or [8] button choose delete menu, and then press ⓒ button. Now the interface will display "delete successfully", which indicate deleted successfully.

6.3 Enroll Detector

6.3.1 Enroll Detector

The alarm system supports 32 wireless zones, 3 detectors for each zone, totally it is allowed to enroll 96 detectors (noted: use APP to enroll detectors only can enroll 32pcs, if enroll via alarm panel, then can enroll 96pcs). If there is a "√" mark near zones, it means it has already enrolled before, the users should delete it and re-enroll detectors.

Figure 1: enter detector enrollment menu
Figure 2: input [4] or [6] to choose the "Zone No." menu
Figure 3: input [2] or [8] to choose the "Address No.", then press ⊙ button.

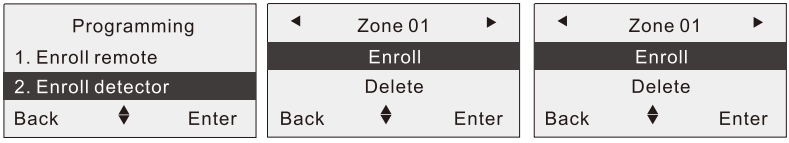
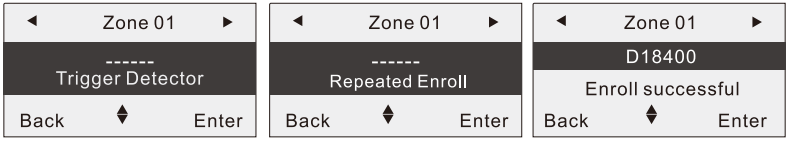


Figure 4: wait for triggering the detector
Figure 5: enroll repeatedly
Figure 6: enroll successfully



6.3.2 Delete Detector

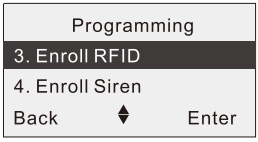
In the detector enroll menu, press the [4] or [6] button to delete zones, press [2] or [8] button choose delete menu, and then press ⊙ button .Now the interface will display "delete successfully" , which indicate deleted successfully.

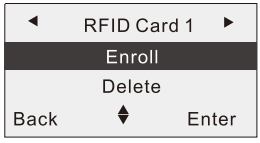
6.4 Enroll RFID card

6.4.1 Enroll RFID card

The alarm system supports to enroll 8 RFID cards. If there is a "√" mark near enrollment, it means it has already enrolled before, the users should delete it and then can re-enroll detectors.

Figure 1: enter RFID card enrollment menu
Figure 2: input [4] or [6] to choose "RFID Card No." menu
Figure 3: input [2] or [8] to choose "Enroll" menu, then press ⊙ button





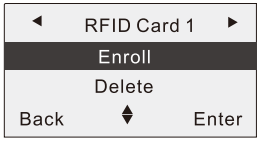
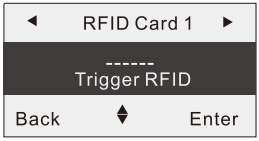
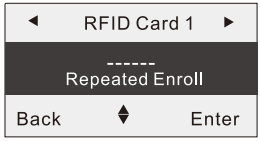
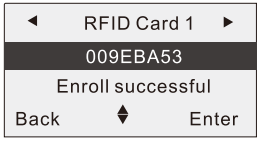


Figure 4: wait for triggering RFID card
Figure 5: enroll repeatedly
Figure 6: enroll successfully





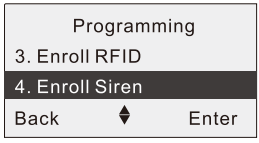


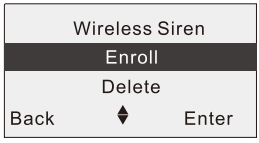
6.5 Enroll wireless siren

6.5.1 Enroll wireless siren

This alarm host can enroll one wireless siren.If there is a "√" mark at the enroll menu already, indicating that the current address has been enrolled , the user have to delete it before enrolling again.

Figure 1: enter wireless siren enrolling
Figure 2: press[2] or [8] choose enrolling menu
Figure 3: wait and press enroll key of siren to trigger





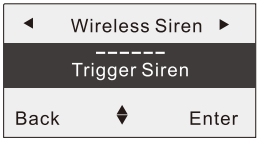
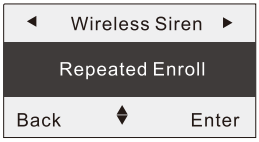


Figure 4: enroll repeatedly
Figure 5:enroll successfully



6.5.2 Delete wireless siren

Under the wireless siren enrolling status, press [2] or [8] button choose delete menu, and then press ⓔ button. Now the interface will display "delete successfully",which indicates deleted successfully.

6.6 Alarm Number

6.6.1 Set Alarm Number

Alarm number refers to the phone number to which panel host send the report of alarm when alarm happened. Each number includes 20 digits maximum. The alarm system can set 8 alarm numbers. When alarm event happened, the alarm system will call to users one by one and it cannot stop until all the numbers are confirmed the alarm event.

Figure 1: enter Alarm Phone programming menu
Figure 2: input [4] or [6] to choose "Alarm Phone No." menu
Figure 3: input [2] or [8] to choose "Number" menu

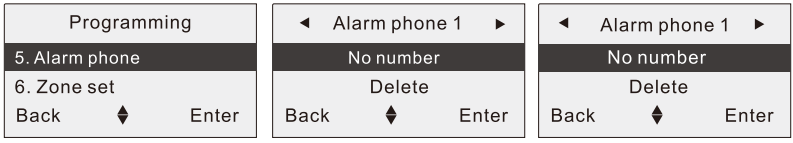
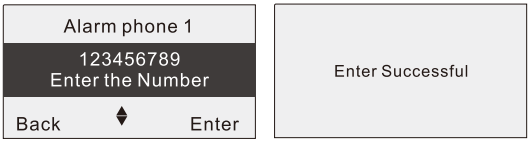


Figure 4: input the number, press ⓔ button to preserve
Figure 5: preserve successfully



6.6.2 Delete Alarm

Figure 1: enter Alarm Phone programming menu
Figure 2: input [4] or [6] to choose the "Alarm Phone No." menu
Figure 3: input [2] or [8] to choose "Delete" menu

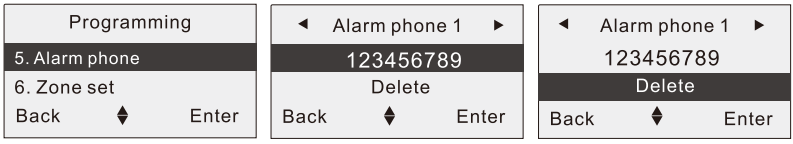
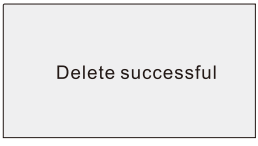


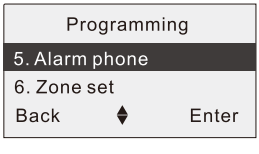
Figure 4: press button, then delete successfully

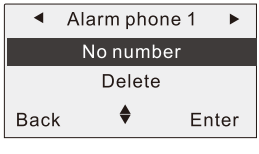


6.6.3 Set Alarm Phone Type

The types of alarm phone number: Disable; GSM network, dial; GSM network, SMS; GSM network, SMS&Dial; GSM Network, Contact ID.

Figure 1: enter alarm phone programming menu
Figure 2: input [4] or [6] to choose "Alarm Phone No." menu
Figure 3: input [2] or [8] to choose "Type" menu





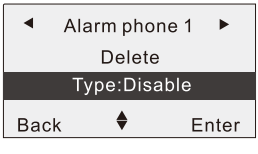
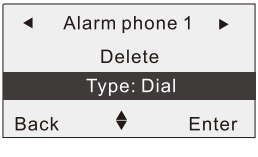


Figure 4: input button to modify the alarm phone type.

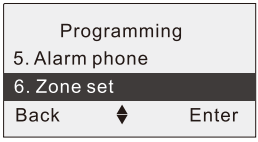


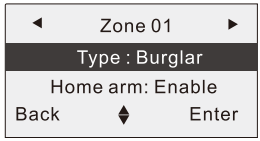
6.7 Zone Type

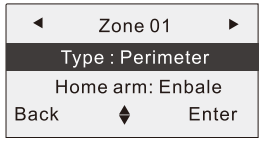
6.7.1 Set Zone Type

The 11 zone types of alarm system: delay, burglar, perimeter, fir, gas, duress, SOS, medical, doorbell notification, doorbell alarm and stop are optional.

Figure 1: enter zone type programming menu
Figure 2: input [4] or [6] to choose "Zone Type" menu
Figure 3: input button to modify the zone type







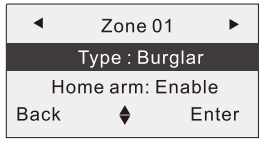
Zone Type	Alarm Delay	Alarm Output	Arming	Disarming
Delay	√	√	√	×
Burglar	×	√	√	×
Perimeter	×	√	√	×
Fir	×	√	√	√
Gas	×	√	√	√
Duress	×	×	√	√
SOS	×	√	√	√
Medical	×	√	√	√
Doorbell Notification	×	×	√	×
Doorbell Alarm	×	√	√	×
Disable	×	×	×	×

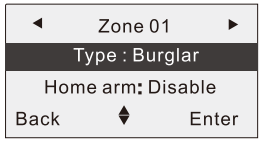
Smart zone: The host won't ring alarm at once when detector in the zone get triggered by 1 time, it will ring alarm if detector get triggered again in the same zone within 60s.

6.7.2 Set home arm switch

It is used to set up the zones on alert under home arm status.

Figure 1: enter zone setting
Figure 2: press[4] or [6] choose zone
Figure 3: press[2] or [8] choose home arm menu, and press ⊙ choose alarm type

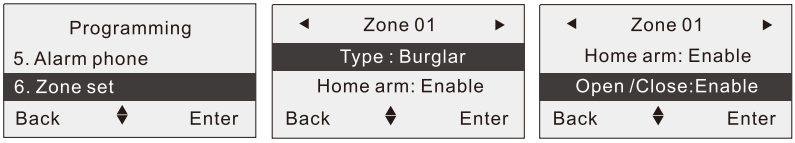




6.7.3 Set open/close door function

The function is used to detect the door close or open.

Figure 1: enter zone setting
Figure 2: press[4] or [6] choose zone
Figure 3: press[2] or [8] choose home arm menu, and press ⊙ choose alarm type

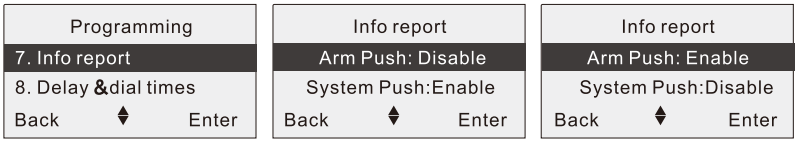


6.8 Information Report

6.8.1 Push arm/disarm information、system information

The users can choose switch push arm/disarm information and system information to APP.

Figure 1: enter information report
Figure 2: press[2] or [8] choose arm/disarm information and system information
Figure 3: press ⊙ choose status



6.8.2 System Information Report

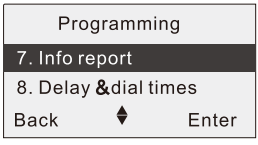
The types of System Information Report: DISABLE, SMS, CID and SMS & CID are optional. System Information Report includes: report of AC power default of panel & report of AC power recovery of panel, report of battery low power default of panel & report of battery low power recovery of panel, report of battery low power default of detector & report of battery low power recovery of detector and report of test timer.

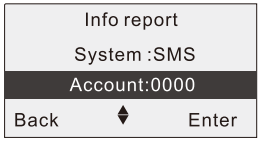
Figure 1: enter Information Report programming menu
Figure 2: input [2] or [8] to choose "System Information Report" menu
Figure 3: input ⊙ button to modify the type of System Information report

6.8.3 Set CID Account

CID Account refers to an identification when alarm system connects with alarm center. If users want to connect with alarm center, it is a must to set CID account.

Figure 1: enter Information Report programming menu
Figure 2: input [2] or [8] to choose "CID Account" menu.
Figure 3: input ⊙ button to enter the CID account modifying





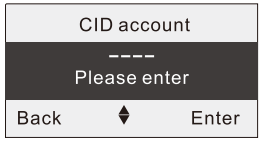
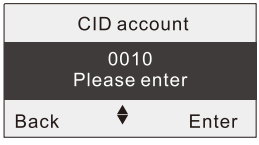
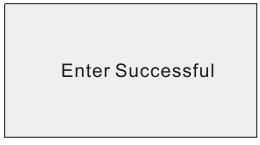


Figure 4: input CID account with 4 digits, then press ⊙ button to preserve
Figure 5: reserve successfully



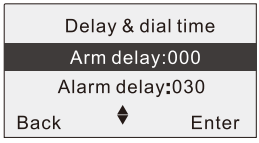


6.9 Delay Time & Dial Times

6.9.1 Set Arming Delay Time & Dial Times

Arming delay time refers to time between arming and alarming. The time range of arming delay: 0 – 255s.

Figure 1: enter Delay Time & Dial Times programming menu
Figure 2: input [2] or [8] to choose the "Arming Delay Time" menu
Figure 3: input ⊙ button to enter time setting



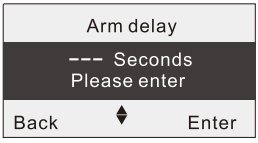
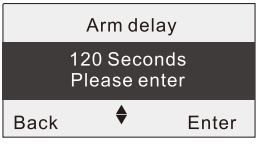
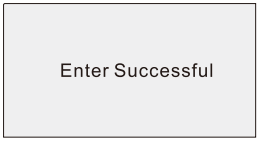


Figure 4: set delay time, then press ⊜ button to preserve
Figure 5: preserve successfully

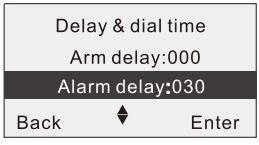




6.9.2 Set Alarming Delay Time

Alarming delay time refers to time range from the detector triggered to panel alarming. The time range of alarming delay: 0 – 255s.

Figure 1: enter Delay Time & Dial Times programming menu
Figure 2: input [2] or [8] to choose the "Alarming Delay Time" menu
Figure 3: input ⊜ button to enter time setting



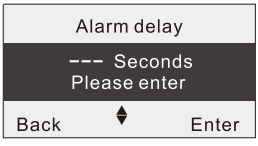
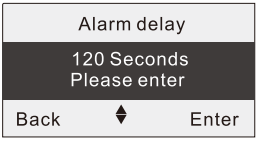
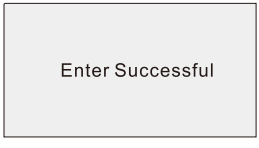


Figure 4: set delay time, then press ⊜ button to preserve
Figure 5: preserve successfully





6.9.3 Set Dial Times

Dial times means that the re-dial times when panel send report of alarm to users. The times range of dial times: 0-15.

Figure 1: enter Delay Time & Dial Times programming menu
Figure 2: input [2] or [8] to choose the "Dial Times" menu
Figure 3: input "enter" button to enter time setting

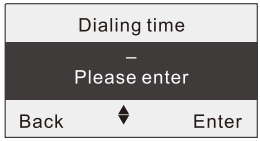
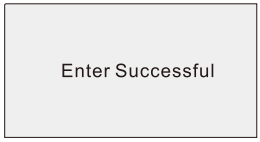


Figure 4: set dial times, then press ⊙ button to preserve
Figure 5: preserve successfully

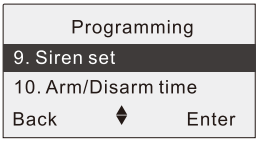


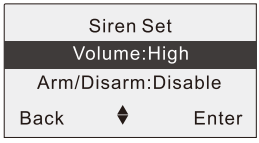
6.10 Siren Setting

6.10.1 Set Siren Volume

The Volume of build-in siren can be chosen, three levels for choosing.

Figure 1: enter siren set
Figure 2: press[4] or [6] siren volume
Figure 3: press ⊙ choose status

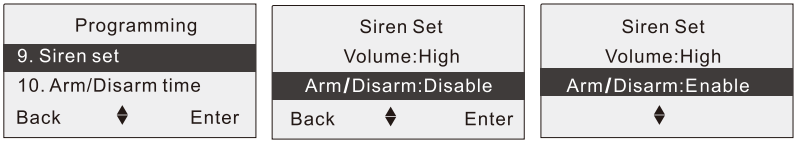




6.10.2 Set Arm/Disarm Siren Prompt

It is an option that we can set arm/disarm prompt via external siren and wireless siren or not, arm prompt 1 sound, disarm prompt 2 sound.

Figure 1: enter Siren Volume & Output Duration programming menu
Figure 2: input [4] or [6] to choose "Arming/Disarming Beep" menu
Figure 3: input ⓔ button to enter arming/disarming beep setting: enabled or disable



6.10.3 Set siren output time

The siren output time range is 0-255 minutes.

Figure 1: Choose siren setting
Figure 2: press[2]or [8]button choose output time
Figure 3: press ⓔ button enter the setting

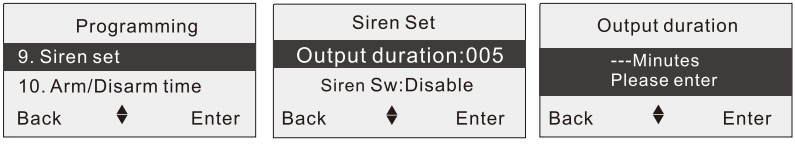
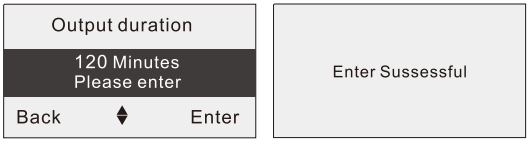


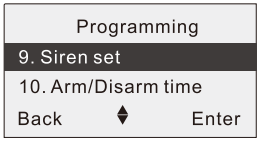
Figure 4: Input time, and then press ⓔ button to save
Figure 5: save successfully

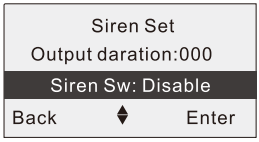


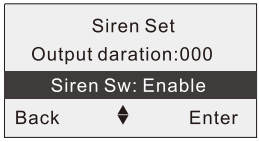
6.10.4 Set Wireless Siren Switch

The alarm system is available for wireless siren, but the siren must adopt the one from our company.

Figure 1: enter Wireless Siren programming menu
Figure 2: input [4] or [6] to choose the Wireless Siren Switch
Figure 3: input ⓔ button to set the wireless siren switch: enabled or disabled



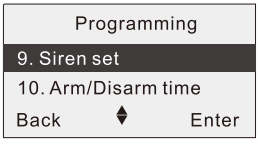


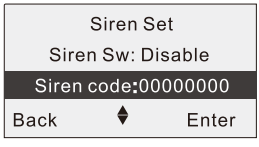


6.10.5 Set Wireless Siren Code

The value range of wireless siren code: 8 digits, from 0-3. Factory Default: the siren code would be pasted on the siren cover.

Figure 1: enter Wireless Siren programming menu
Figure 2: input [2] or [8] to choose the "Wireless Siren Code" menu
Figure 3: input ⊙ button to enter the wireless siren code setting





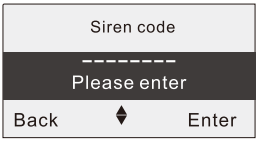
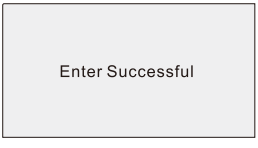


Figure 4: input the wireless siren code, then press ⊙ button to preserve
Figure 5: preserve successfully

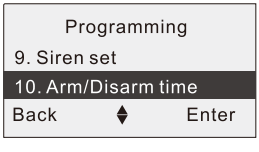


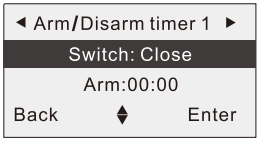
6.11 Arming/Disarming Timer

6.11.1 Set arm/disarm switch

Used to open/close the arm/disarm timer switch.

Figure 1: Enter Arm/Disarm Timer
Figure 2: Press [4] or [6] button to choose arm/disarm timer group
Figure 3: Press [2] or [8] button to choose open/close





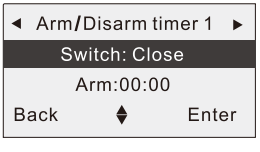
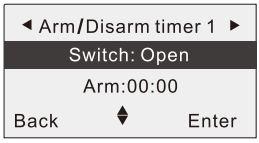


Figure 4: Press ⊙ button to change attributes



6.11.2 Set Arming Time

Arming Timer is used to set a timed arming.

Figure 1: enter Arming/Disarming Timer programming menu
Figure 2: input [4] or [6] to choose the "Arming/Disarming Timer No" menu
Figure 3: input [2] or [8] to choose the "Arming Time" menu

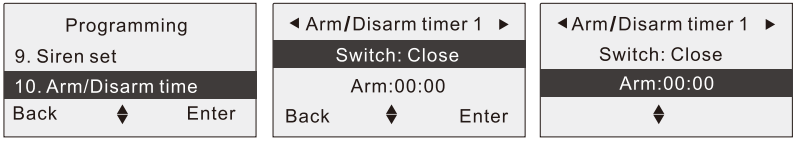


Figure 4: input ⊙ button to enter the arming time setting
Figure 5: input the arming time, then press ⊙ button to preserve
Figure 6: preserve successfully

6.11.3 Set Disarming Time

Disarming Timer is used to set a timed disarming.

Figure 1: enter Arming/Disarming Timer programming menu
Figure 2: input [4] or [6] to choose the "Arming/Disarming Timer No." menu
Figure 3: input [2] or [8] to choose the "Disarming Time" menu

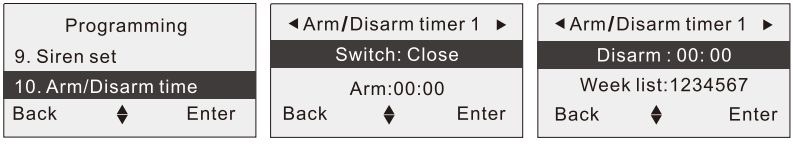
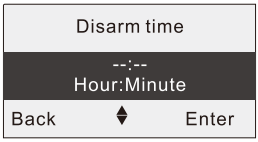
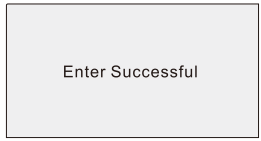


Figure 4: input ⊙ button to enter the disarming time setting
Figure 5: input the disarming time, then press ⊙ button to preserve
Figure 6: preserve successful

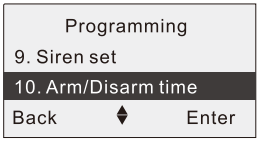




6.11.4 Set Week List

Week List Setting is to set a timed arming/disarming operation from Monday to Sunday.

Figure 1: enter Arming/Disarming Timer programming menu
Figure 2: input [4] or [6] to choose "Arming/Disarming Timer No."
Figure 3: input [2] or [8] to choose "Week List"



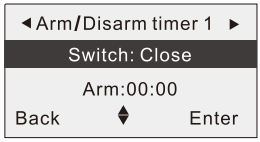
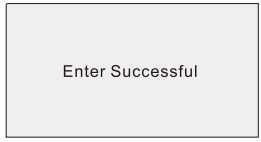


Figure 4: input "enter" button to enter the week setting
Figure 5: input the week, then press ⊙ button to preserve
Figure 6: preserve successfully

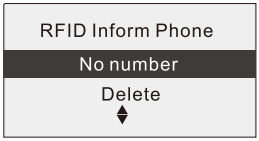


6.12 Set RFID Card Notification Number

6.12.1 Set RFID Card Notification Number

RFID Card Notification Number means when RFID card or doorbell detector is triggered, the panel will send report of alarm to users. Each number includes 20 digits maximum.

Figure 1: enter RFID Card programming menu
Figure 2: input [2] or [8] to choose Notification Number
Figure 3: input ⊙ button to enter the notification number setting



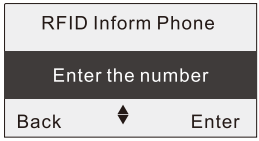
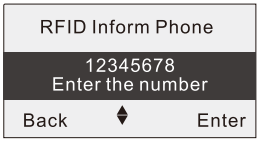
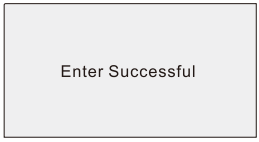


Figure 4: input the number, then press ⓔ button to preserve
Figure 5: preserve successfully

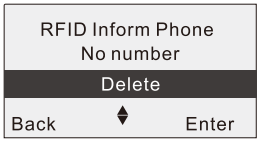


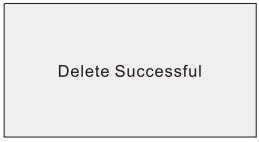


6.12.2 Delete RFID Card Notification Number

RFID Card Notification Number means when RFID card or doorbell detector is triggered, the panel will send report of alarm to users. Each number includes 20 digits maximum.

Figure 1: enter RFID Card Setting menu
Figure 2: input [2] or [8] to choose "Delete"
Figure 3: press ⓔ button, then delete successfully



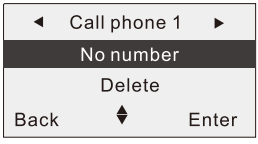


6.13 Fast Call Phone

6.13.1 Set Fast Call Phone

It is used to make a fast phone call just inputting 1/2/3/4. Each of number includes 20 digits maximum.

Figure 1: enter Fast Call Phone programming menu
Figure 2: input [4] or [6] to choose "Call Phone No." menu
Figure 3: input [2] or [8] to choose the "Number" menu



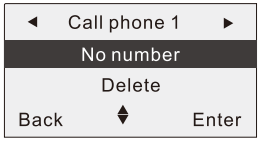
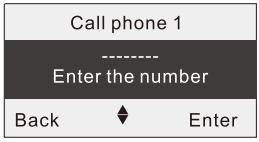
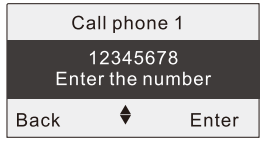
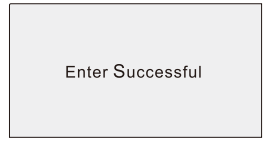


Figure 4: input ⊙ button to enter the number setting
Figure 5: input number, then press ⊙ button to preserve
Figure 6: preserve successfully

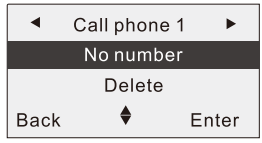






6.13.2 Delete Fast Call Phone

Figure 1: enter Fast Call Phone programming menu
Figure 2: input [4] or [6] to choose "Call Phone No." menu
Figure 3: input [2] or [8] to choose the "Delete" menu



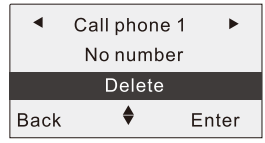
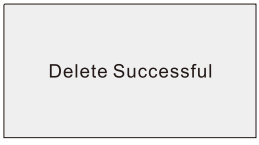


Figure 4: input ⊙ button, then delete successfully

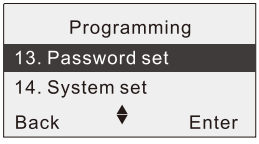


6.14 Password Setting

6.14.1 Set Program Password

Program Password refers to password of entering programming and its fixed digits are 6.

Figure 1: enter Password Setting programming menu
Figure 2: input [2] or [8] to choose the "Program Password" menu
Figure 3: input button to enter the password setting



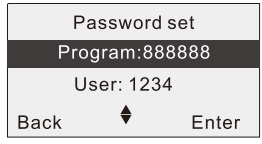


Figure 4: input password, then press ⊙ button to preserve
Figure 5: preserve successfully

6.14.2 Set User Password

User Password is used for entering a arming/disarming/resetting operation and its fixed digits are 4.

Figure 1: enter Password Setting programming menu
Figure 2: input [2] or [8] to choose the "User Password" menu
Figure 3: input ⊙ button to enter the password setting

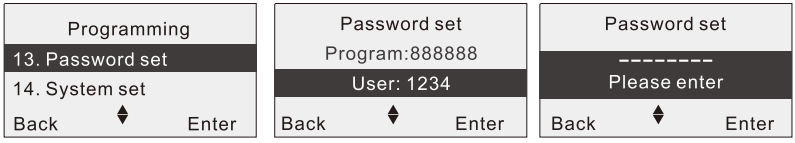
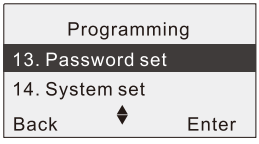


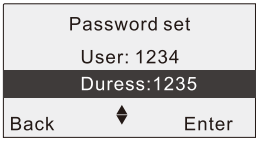
Figure 4: input password, then press ⊙ button to preserve
Figure 5: preserve successfully

6.14.3 Set Duress Password

Duress Password is used for disarm the panel when duress happened, at the same time, the panel will send the report of alarm to other users and CID and its fixed digits are 4.

Figure 1: enter Password Setting programming menu
Figure 2: input [2] or [8] to choose the "Duress Password" menu
Figure 3: input ⊙ button to enter the password setting





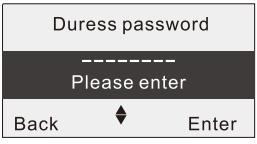
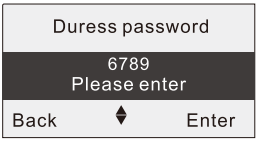
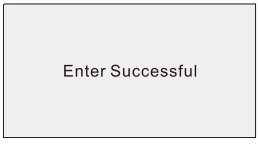


Figure 4: input password, then press button to preserve
Figure 5: preserve successfully

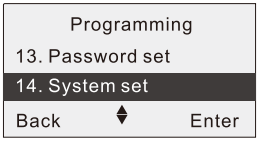


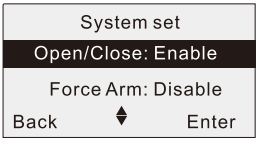


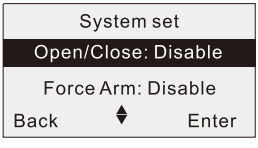
6.15 System Setting

6.15.1 Set Door Open/Closed Switch

Figure 1: enter Door Open/Closed Setting programming menu
Figure 2: input [4] or [6] to choose "Door Open/Closed Switch" menu
Figure 3: input button to set the door open/close as enabled or disable

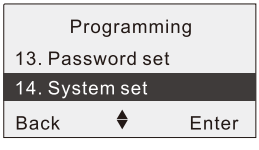


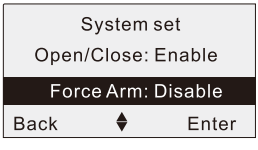


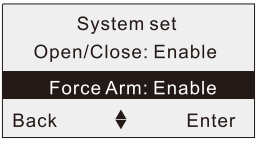


6.15.2 Set Force Arming

Figure 1: enter Door Open/Closed Setting programming menu
Figure 2: input [4] or [6] to choose "Force Arming" menu
Figure 3: input button to set the force arming as enabled or disable



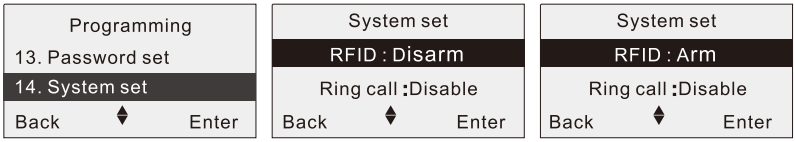




6.15.3 Set RFID card operation type

RFID card operation type include disarm, arm, arm/disarm and so on.

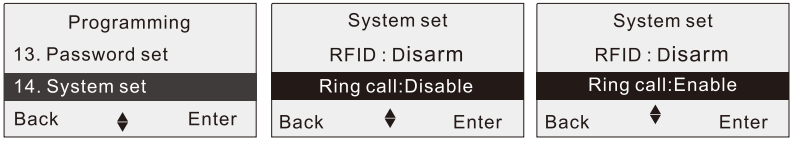
Figure 1: Choose system setting
Figure 2: Press [4] or [6] button to choose RFID card
Figure 3: Press ⊙ button to change attributes



6.15.4 Set Force Ring Call

It is used for setting two-communication open or not.

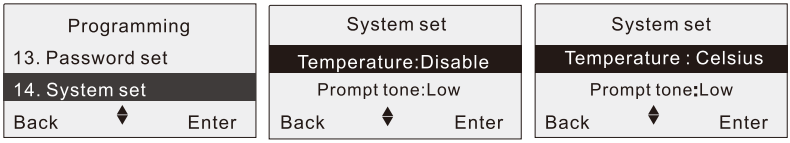
Figure 1: enter System Setting programming menu
Figure 2: input [4] or [6] to choose the "Ring Call" menu
Figure 3: input ⊙ button to choose the ring call as enabled or disable



6.15.5 Set the Temperature Type

It is used for setting temperature type.

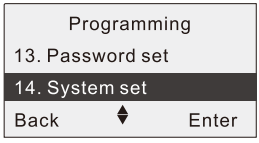
Figure 1: enter System Setting programming menu
Figure 2: input [4] or [6] to choose the "Temperature Type" menu
Figure 3: input ⊙ button to choose the type as Fahrenheit or Celsius

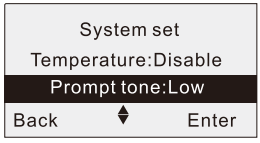


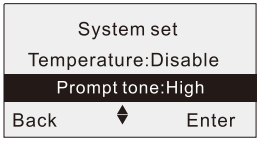
6.15.6 Set Voice Prompt Volume

Set prompt tone volume, there are mute, low and high for selection.

Figure 1: Choose System set
Figure 2: Press [4] or [6] button to choose Prompt tone
Figure 3: Press ⊙ button to change attributes



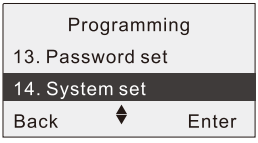


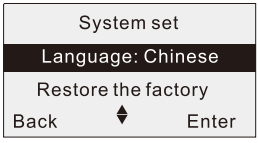


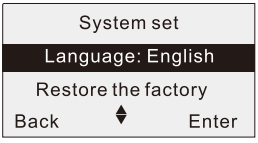
6.15.7 Set System Language

The alarm system supports Chinese and English, Germany, Spanish and so on.

Figure 1: enter System Setting programming menu
Figure 2: input [4] or [6] to choose the "System Language" menu
Figure 3: input ⊙ button to choose the language as Chinese or English



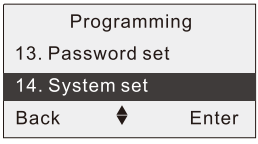


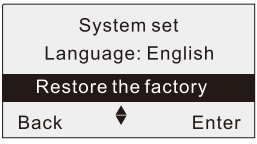


6.15.8 Restore Factory Default

All the parameters are set to restore factory default.

Figure 1: enter System Setting programming menu
Figure 2: input [4] or [6] to choose the "Restore Factory Default" menu
Figure 3: input ⊙ button to recover.



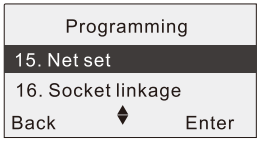


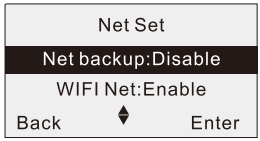
6.16 Network Setting

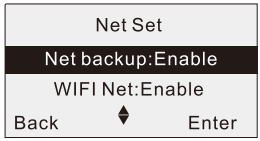
6.16.1 Dual Network Backup

Choose network backup enable indicate Wifi and GSM notify alarm at the same time, if choose network backup disable indicate when Wifi fault, system auto change to GSM notify the alarm.

Figure 1: Choose network set
Figure 2: Press [2] or [8] button to choose network backup
Figure 3: Press ⊙ button to change attributes



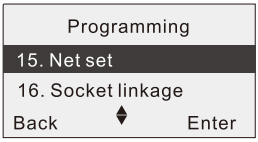


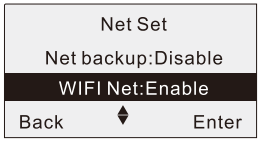


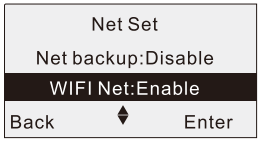
6.16.2 Set Wifi Network

Used for setting the WIFI network enable/disable.

Figure 1: Enter network setting
Figure 2: Press [2] or [8] button to choose Wifi network
Figure 3: Press ⓒ button to change attributes



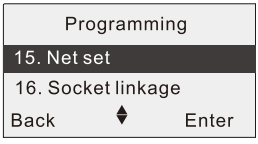


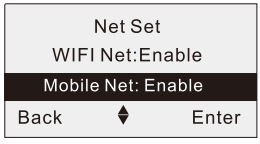


6.16.3 Set Mobile Network

Used for setting Mobile network enable/disable.

Figure 1: Enter network setting
Figure 2: Press [2] or [8] button to select Mobile network
Figure 3: Press ⓒ button to change attributes



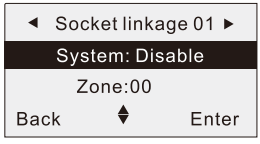


6.17 Socket linkage

6.17.1 Set the system alarm

when system alarm, the linkage socket will turn on or off as the setting.

Figure 1: Enter Socket linkage
Figure 2: Press [4] or [6] button to choose socket
Figure 3: Press [2] or [8] button to choose System



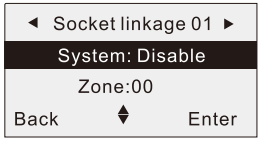
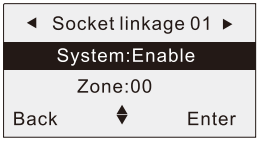


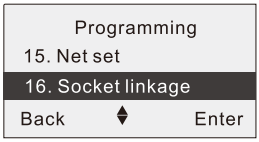
Figure 4: Press button to change attributes

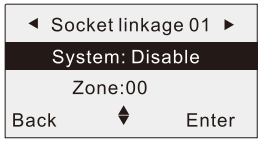


6.17.2 Set Zone Alarm

when the zone alarm, the linkage socket will turn on or off as the setting.

Figure 1: Enter Socket Linkage
Figure 2: Press [4] or [6] button to choose socket
Figure 3: Press [2] or [8] button to choose "Zone"





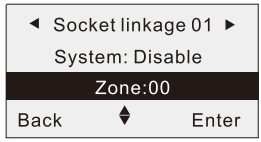
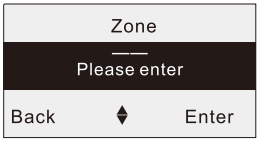
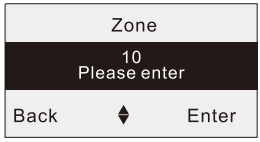


Figure 4: Press ⓔ button to enter setting
Figure 5: Input zone number, press ⓔ button to preserve setting
Figure 6: Enter successfully

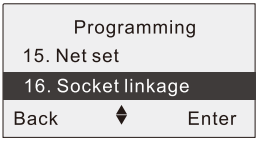


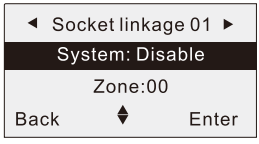


6.17.3 Set Output Duration

Set socket linkage output duration.

Figure 1: Enter Socket Linkage
Figure 2: Press [4] or [6] button to choose socket
Figure 3: Press [2] or [8] button to choose "output duration"





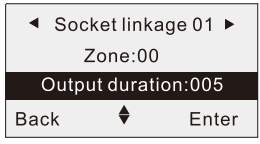


Figure 4: Press ⊙ button enter setting
Figure 5: Enter time, press ⊙ button to preserve
Figure 6: Enter successfully

6.18 Socket Timer

6.18.1 Set Repeat

Setting socket timer output type, which includes close, opening for one time, closing for one time, opening/closing for one time, every day, user-defined and so on.

Figure 1: Enter socket timer
Figure 2: Press [4] or [6] button to choose smart socket
Figure 3: Press [2] or [8] button to choose Repeat

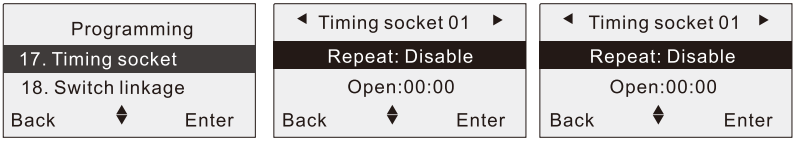
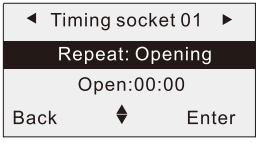


Figure 4: Press ⊙ button to change attributes



6.18.2 Set opening time

Used for setting socket opening time .

Figure 1: Enter Timing socket
Figure 2: Press [4] or [6] button to choose smart socket
Figure 3: Press [2] or [8] button to choose open time

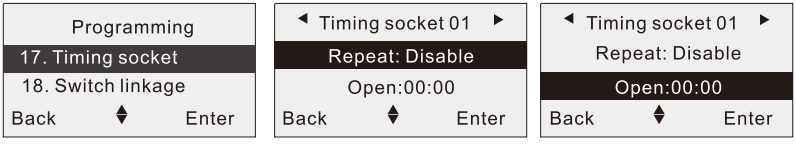
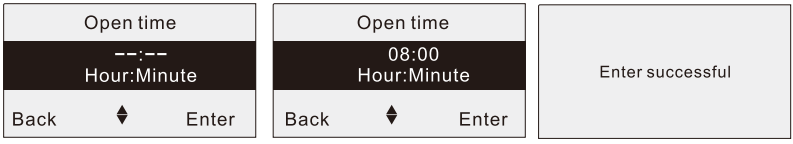


Figure 4: Press ⊙ button enter setting
Figure 5: Input time, press ⊙ button to preserve setting
Figure 6: Enter successfully



6.18.3 Set Closing Time

Used for setting Timing socket close time .

Figure 1: Enter Timing socket
Figure 2: Press [4] or [6] button to choose smart socket
Figure 3: Press [2] or [8] button to choose close time

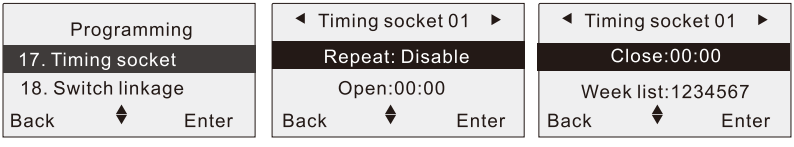
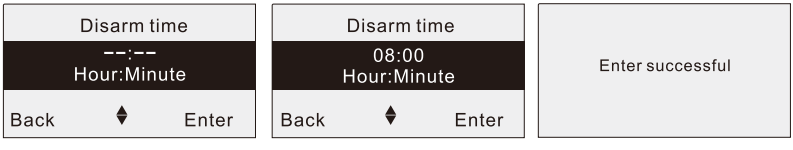


Figure 4: Press ⊙ button enter setting
Figure 5: Input time, press ⊙ button to preserve setting
Figure 6: Enter successfully



6.18.4 Set Week List

It is used for setting the smart socket timer from Monday to Sunday. The value range of week list: 1-7, which respectively indicate from Monday to Sunday.

Figure 1: Enter Timing socket
Figure 2: Press [4] or [6] button to choose timing socket group
Figure 3: Press[2] or [8] button to choose Week list

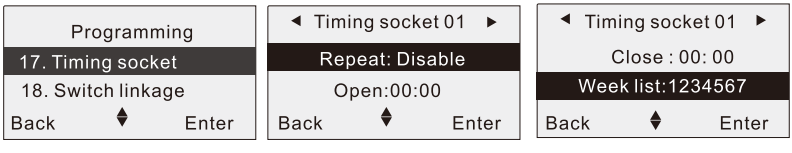


Figure 4: Press ⓔ enter setting
Figure 5: Input Week list, press ⓔ button to preserve
Figure 6: Enter successfully

6.19 Switch linkage

Please refer to the Socket Linkage settings.

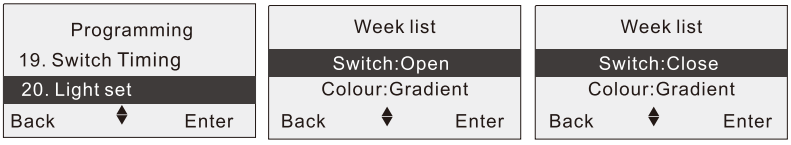
6.20 Switch Timing

Please refer to the Socket Linkage settings.

6.21 Lighting setting

6.21.1 Setting breathing light switch status

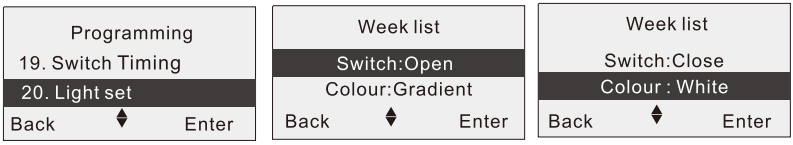
Figure 1: Choose Light set
Figure 2: Press [2] or [8] button to choose Open/Close
Figure 3: Press ⓔ button to change attributes



6.21.2 Color Setting

Setting breathing light color, the colors include gradient, white, red, green, blue, yellow, cyan, magenta and so on.

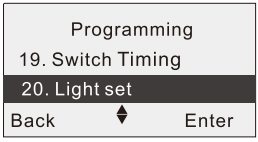
Figure 1: Enter Light set
Figure 2: Press [2] or [8] button to choose Color
Figure 3: Press ⓔ button to change attributes



6.21.3 Set Brightness

Set the breathing light brightness level, choose from 0-7.

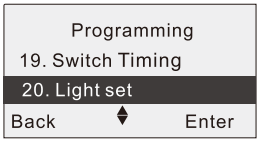
Figure 1: Enter Light set
Figure 2: Press [2] or [8] button to choose light brightness
Figure 3: Press ⊙ button to change attributes



6.21.4 Set Backlight Time

Setting backlight time for display and key

Figure 1: Enter Light set
Figure 2: Press [2] or [8] button to choose light brightness
Figure 3: Press ⊙ button to enter setting



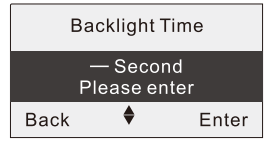
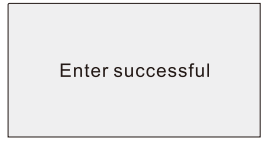


Figure 4: Input time, press ⊙ to preserve
Figure 5 : Enter successfully

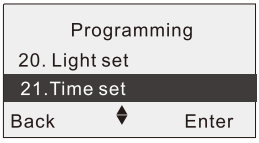


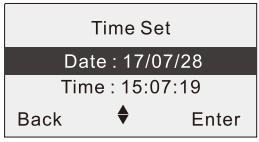
6.22 Time Setting

6.22.1 Set Dates

It is used for setting panel date.

Figure 1: enter Time Setting programming menu
Figure 2: input [4] or [6] to choose the "Date" menu
Figure 3: input ⊙ button to enter date setting





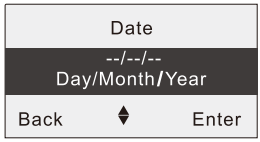
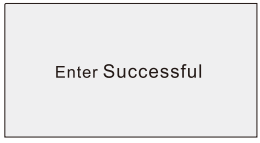


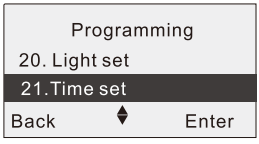
Figure 4: input the date, then press ⊙ button to preserve
Figure 5: preserve successfully

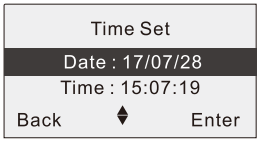


6.22.2 Set Time

It is used for setting panel time.

Figure 1: enter Time Setting programming menu
Figure 2: input [4] or [6] to choose the "Time" menu
Figure 3: input ⊙ button to enter time setting





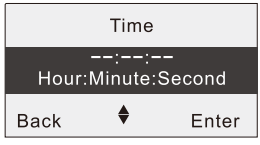
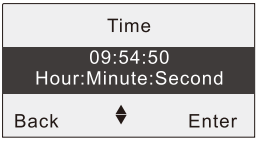
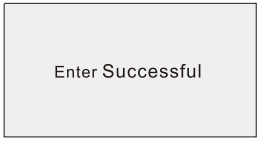


Figure 4: input the time, then press ⊙ button to preserve
Figure 5: preserve successfully

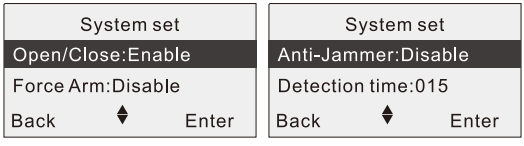




6.23 Anti-Jammer setting

There are three modes for Anti-Jammer setting: Disable, display, alarm.

Figure 1: enter system Setting programming menu
Figure 2: input [4] or [6] to choose the "Anti-Jammer setting" menu



7. Usage of APP Software

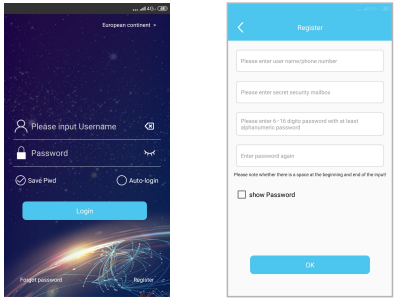
7.1 App installation

Scan the following QR code, or users can search the key word "SmartAlarm", "Smart", "Alarm" at APP store, "Google Play" to download and install.

IOS Google Play

7.2 Register account

Enter the APP software, register one account. Registered as follow: Click the **[Register]**- input register information - click **[Register]**.



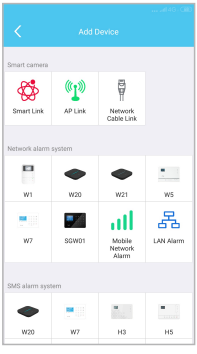
Note: pls save email address, once you forget password you can set new password via email.

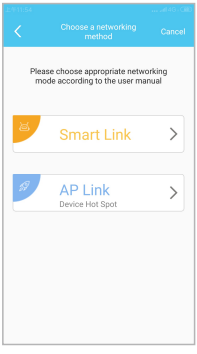
7.3 Add device

The process of adding device helps host to get the WIFI connecting password, and add it to the device list at app. There are two way to add device: Smart Link and AP Link.

7.3.1 Smart Link

- Enter the app **[Add Device]** page, choose W7, choose [smart link], go into the connect network alarm host page.

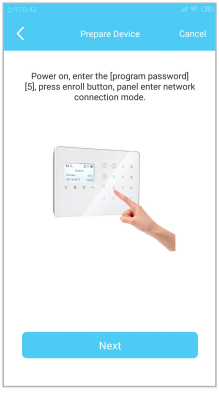


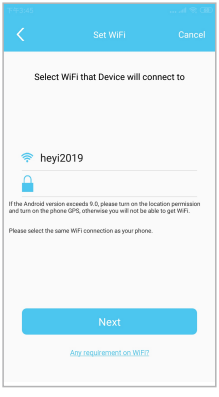


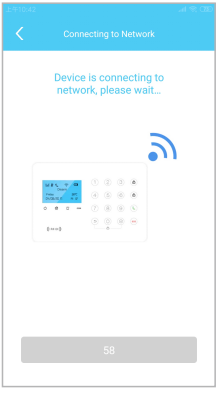
- In standby status(disarm), input the “program password”+[5](“888888”+[5]) into the WIFI enroll status of panel.(program password factory default:888888)

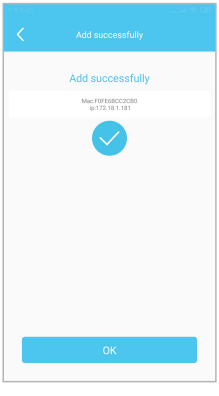
Note: When the WIFI module in normally initialized, the user wanted enter the WIFI enroll mode, the host may prompt “Long DI...” It mean can not into the WIFI enroll mode, Just need to repeat into WIFI enroll mode again.

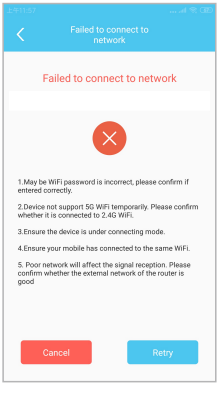
- On the connect network alarm host page ,choose [next], go into WIFI input password page. After input the WIFI password ,then choose [next], go into the connect network page. APP will start count down 60s for connect time, when connection succeed, go into the successful page. when connect fail, go into the connect fail page, the user need click [Retry], connect again.







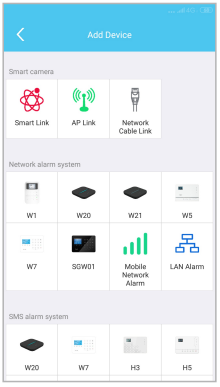


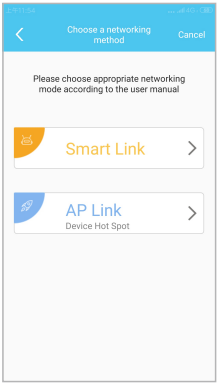


Note: Connect network must be processed and requiring the APP and host under same WIFI environment.

7.3.2 AP Link

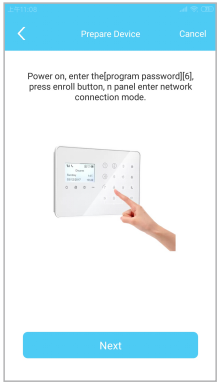
- Enter the app **[Add Device]** page, choose W7, choose [AP link], go into the connect network alarm host page.

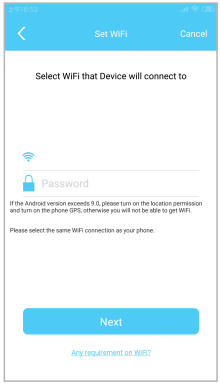


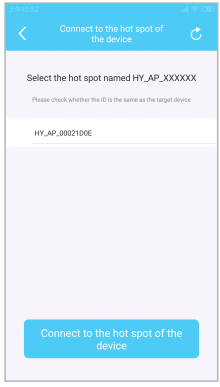


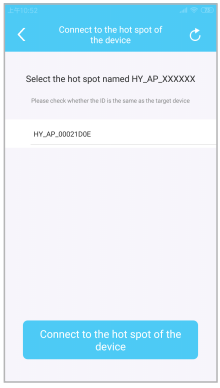
- Enter the **[Program password][6]**,press enroll button, then panel enter network connection mode.

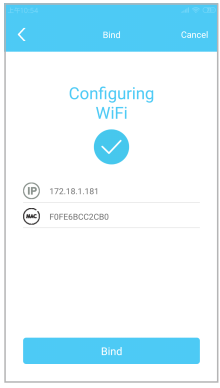
- On choose networking method page of APP, choose AP LINK and go to “Prepare Device page”, choose Next, go to “SET WIFI” page, input WIFI and password, go to “Connect to the hot spot of the device” page, press refresh until there is a device code which are same as the sticker label on backside of alarm panel, choose it, and press “connect to the hot spot of the device”. Go to “Connecting to Network”page, waiting for count down 60s, then there would be a “BIND” page, press “BIND”, then would be successful.









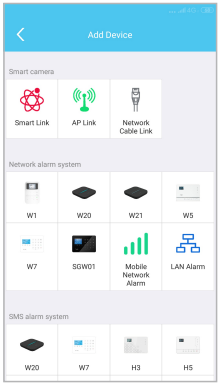


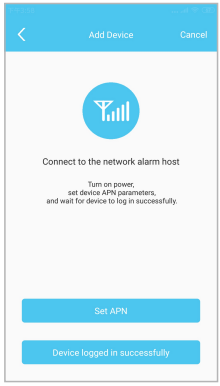
Note: Connect network must be processed and requiring the APP and host under same WIFI environment.

7.4 GPRS Network

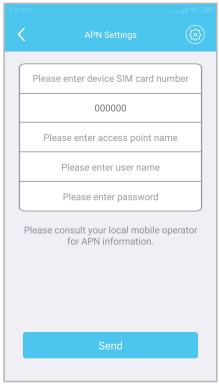
If user use GPRS network to control the system, must set APN parameter and switch on Mobile network data in alarm setting.

- Enter APP **[Add Device]** page, choose **[Mobile Network Device]**, then go into the connecting alarm host page.

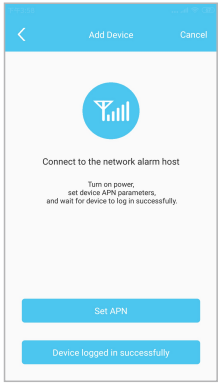


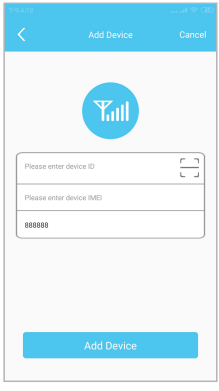


- For Chinese mainland users, it's no need to set APN parameter, other area users need to set the APN parameter. Related APN parameter, please consult your local mobile operator. To the users who need to set APN parameter, please click **[Setting APN]**, go into APN setting page. After finishing all APN setting, please click **[Send]**, alarm host received this message will reply setting succeed message.



- APN setting successful and alarm host also have succeed to connect to server (indicate light turn to long bright), please click **[Device connecting successful]**, go into **[Add Device]** page, users can manually enter device information or scan the QR code on color box to add device.

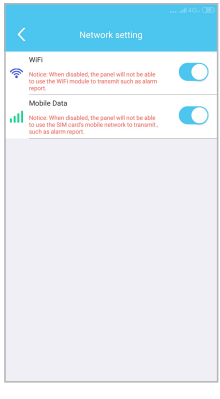




Note: Under GPRS network, alarm phone type is set to dialing will not receive alarm calling, only alarm phone type is SMS able to receive alarm notice.

7.5 WIFI/GPRS Network Switch

On **[Device Setting]-[Network setting]** page of WIFI and mobile network data setting switch, users can switch on/off WIFI/GPRS network.

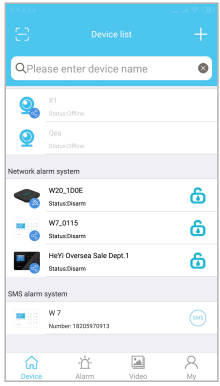


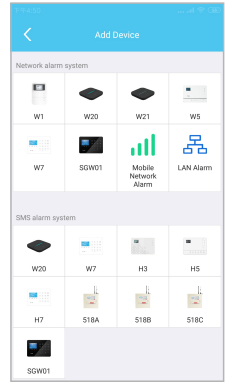
- When both WIFI and GPRS network switch on, WIFI is priority, and when WIFI is abnormal will auto change to GRPS network. During the time of WIFI abnormal, alarm host also try to connect to server, when WIFI back to work normally GPRS network will auto switching off.
- If only switch on WIFI or GPRS network, when current network is abnormal will not switch on the other network.

7.6 GSM Device(SMS)

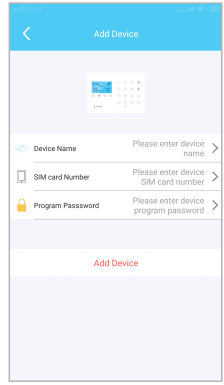
When WIFI is abnormal, users can choose to use GSM network, to control and operate by SMS.

- Click **[Add Device]** page, select **[SMS alarm system]**, enter the add page.

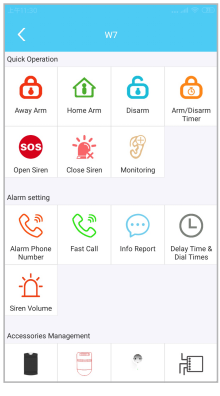


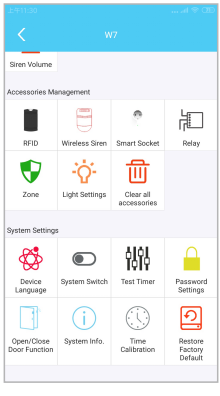


- Click **[W7 Alarm System]**, enter GSM device adding page, then enter Device name, Device SIM card number and program password, click the upper right corner " ", add the device to my device list.



- Click on the current device to enter SMS control page, based on their different requirement users are able to program and operate on the related page.

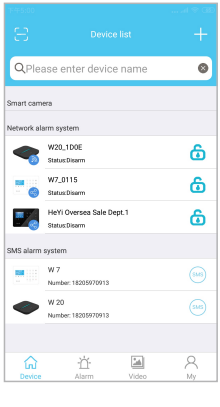


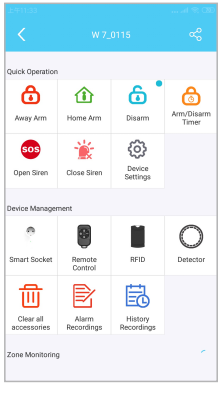


7.7 Device Usage

- **Device home page**

Click on the operated host under the [Device], enter device home page to arm/disarm.





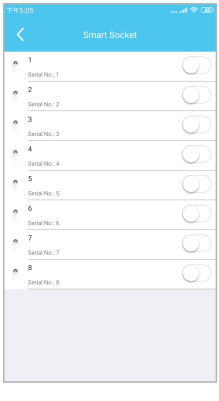
- **Smart Socket**

On the main page of device, click **[Accessories]**, enter my accessories page, select **[smart socket]** to enter smart socket page. Each host can learn 8 smart sockets.

- **Learn smart socket**

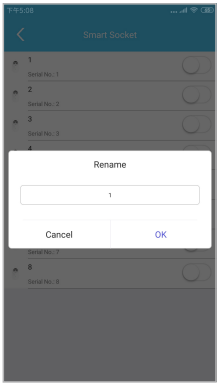
Under smart socket standby status, long press the setting button for 3 seconds until the smart socket indicate light slow flash which means enter learning state. Under the smart socket APP page, click switch button and wait the smart socket indicate light stop flash, which indicate the learning successful.

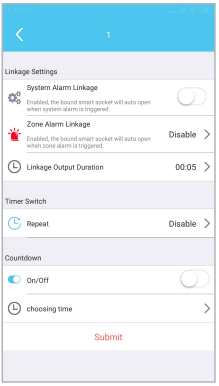
To test the learning succeed or not: click the corresponding socket switch button on APP smart socket page. When click “on”, the smart socket indicate light is long bright; when click “off”, the smart socket indicate light is off.



- **Smart Socket Timer Setting**

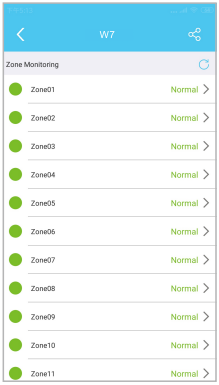
Click on the "smart socket", long press can change the socket name. Short press to go to program smart socket.

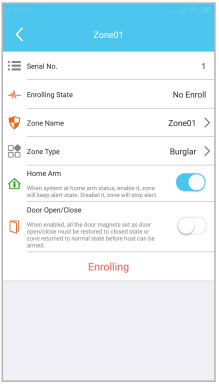




- **Zone operation setting and programming**

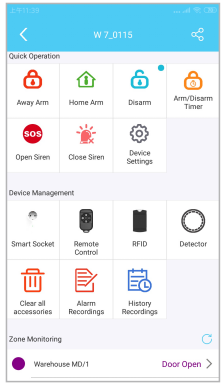
Click on the **[Zone]** under the device homepage, then select the **[Defence list]**, select any zone to change zone name and set zone type.

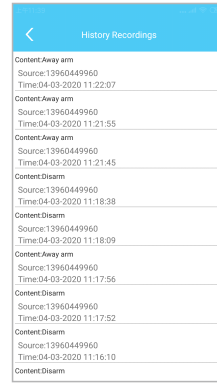




- **History Alarm Historical record**

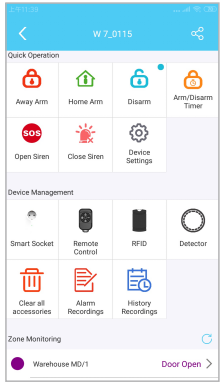
Click on the **[History recordings]** on device homepage to query history alarm.

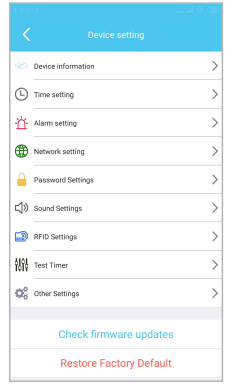


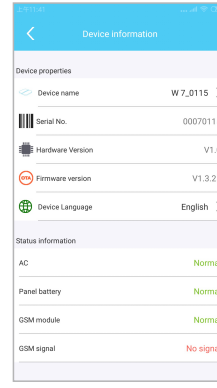


- **Device attributes operation and programming**

Click **[Device settings]** on the device homepage, then select **[Device Information]** to do related operation.



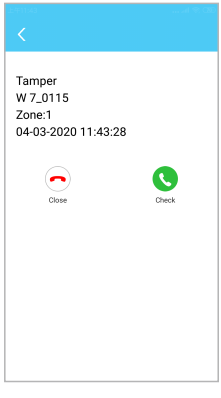




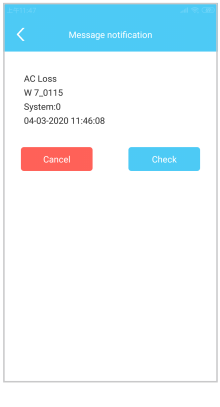
7.8 Push Notification

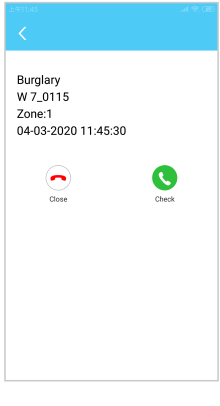
- **Alarm notification push**

On Android app, when alarm notification push, the mobile will auto popup on the screen with alarm bell and vibration.
Click **[Check]** into my device Page to check. The ring time of alarm push can set at **[Device Setting]---[Sound Setting]---[Alarm Duration]**.



- Alarm/disarm information, system information push.





8. SMS Query & Setting

8.1 Introduction

The user may query and set the host by SMS command.

Note:
1. In order to benefit users, the panel programming content has recovered factory default which meets most of customers usage needs.
2. Please use the English input method punctuation when inputting punctuation.
3. During setting the message, it includes some help contents and parameter ranges. Please modify them with the strict message format and ranges and not add any unnecessary character and blank space. Please do not add or delete line breaks in message and not exceed the limited input digits.
4. if the message users sent is not fitted for the panel's format or range, the panel will reply "setting failure, wrong input order format or informal characters" to users.

8.2 Modify host language

Item	SMS by User	SMS Reply by Panel
Simplified Chinese	Program Password,0086	设置简体中文语言成功!
English	Program Password,0001	Set English successfully!

8.3 Remote operation format

Item	SMS by User	SMS Reply by Panel
Away arming	Program Password, 01	Away arm successfully
Home arming	Program Password, 02	Home arm successfully
Disarming	Program Password, 03	Disarm successfully
Monitoring	Program Password, 04	
Open siren	Program Password, 05	Open siren successfully
Close siren	Program Password, 06	Close siren successfully
Time calibration	Program Password, 07	Set Time calibration successfully XXXX-XX-XX XX：XX：XX XXX

System query	Program Password, 08	XX-XX XX：XX：XX Status：Stay arm/Away arm/ Disarm AC power：Normal/ Fault Panel battery：Normal / Low GSM signal：0 - 5
Delete all wireless accessories and RFID cards	Program Password, 98	All wireless accessories and RFID cards are deleted successfully!
Restore factory setting	Program Password, 99	The system has been restored factory setting!

8.4 Format of Remote Programming

Project	User SMS	Panel SMS Response	Note
Alarm phone	< program password>,211,<1st alarm phone>,<2nd alarm phone>,<3rd alarm phone>,<4th alarm phone >	Set alarm phone successfully	Each number includes 20 digits maximum
	< program password>,212,<5th alarm phone>,<6th alarm phone>,<7th alarm phone >,<8th alarm phone >		
Alarm phone type	< program password >,213,<1st alarm phone type>,<2nd alarm phone type,<3rd alarm phone type>,<4th alarm phone type>,<5th alarm phone type>,<6th alarm phone	Set alarm phone type successfully"	Alarm phone type: 0=Bypass, 3=Dial, 4=Dial, 5=SMS& Dial
	type>,<7th alarm phone type>,<8th alarm phone type>		

Info report	<program password>22,<report of arming/disarming>,<report of system info>,<user account>	Set info report successfully	report of arming/disarming & report of system info：0=off，1=SMS，2=CID，3=SMS & CID user account：4 digits，range of value: 0000-9999
Zone type	<program password>,231,<zone 1 type>,<zone 2 type>,<zone 3 type>,<zone 4 type>,<zone 5 type>,<zone 6 type>,<zone 7 type>,<zone 8 type>	Set zone type successfully	Zone type: 0: Bypass,1 = Delay, 2 = Burglar,3 = Perimeter,4 = Fire, 5 = Gas,6 = Duress 7 = Panic,8 = Medical,9 = Doorbell,A = Smart
	<program password>,232,<zone 9 type>,<zone 10 type>,<zone 11 type>,<zone 12 type>,<zone 13type>,<zone 14 type>,<zone 15 type>,<zone 16 type>		
	<program password>,242,<zone 3 name >,< zone 4 name >		
	<program password>,243,<zone 5 name >,< zone 6 name >		
	<program password>,244,<zone 7 name >,< zone 8 name >		
Home arm List	<program password>,25,<home arm list>	Set home arm list successfully	home arm list：set 16 zones maximum from zone 01-32
Delay time &	<program	Set delay time	Arming delay：

dial times	password >,26,<arming delay time>,<alarm delay time>,<dial time>	& dial times successfully	0-255 s Alarm delay ：0-255 s Dial times：0-15
Siren volume & siren duration setting	< program password >,27,< siren volume >,<arming/disarming siren beep>,<output time>	Set siren volume & siren duration successfully	siren volume：0= mute，1 =low，2= high arming/disarming siren beep：0=off，1=on siren duration：0-255 min
Wireless siren setting	<program password >,28,<wireless siren switch>,<wireless siren address>	Set wireless siren successfully	wireless siren switch：0=off，1= on wireless siren address：8 digits, value range from 0- 3
Arming/ Disarming timer setting	<program password>,291, <arming timer>,<disarming timer>,<week list>	Set arming/disarm timer successfully	Switch:0=OFF, 1= OPEN arming timer：（hour：minute，24-hour） disarming timer：（hour：minute，24-hour） week list：value range from 0 - 7
	< program password >,292, <arming timer>,<disarming timer>,<week list>		
RFID notification SMS setting	<program password >,321,< RFID card notification number>	Set RFID card notification number successfully	
	<program password>,322,< RFID card1 notification>,< RFID card2 notification>	Set RFID card notification successfully	
	<program password >,323,< RFID card3 notification >,< RFID card4 notification >		

Open door & close door setting	<program password>,33,<door open/close switch>,<force arming switch><door open/close list>	Set door open/close successfully	door open/close switch：0=off，1=on force arming switch：0=off，1=on door open/close list：set 16 zones maximum from zone 01-32
Fast call phone setting	<program password>,34,<fast call phone 1>,<fast call phone 2>,<fast call phone 3>,<fast call phone 4>	Set fast call phone successfully	
Password setting	<program password>,35,< program password>,<user password>,<duress password>	Set password setting successfully	program password：6 digits，value range from 000000-999999 user password：4 digits，value range 0000-9999 duress password：4 digits，value range 0000-9999
System setting	<Program password>,38, < WIFI Network switch>,<GPRS network switch>,< Ringing switch>, <Temperature type>, <Prompt sound volume>,< RFID card operation>,<Dual-network backup>	Set system setting successfully	WIFI Network: 0= OPEN,1=OFF GPRS Network: 0= OFF,1=OPEN Temperature type:0 = closed, 1 = Celsius, 2 = Fahrenheit Ringing switch: 0 = close, 1 = open Sound volume: 0 = Mute, 1 = low, 2 = high RFID card operation, 0 = disarm, 1 = arm, 2 =arm/disarm Dual network backup: 0 = double network enabled, 1 =WIFI enabled GSM backup

Light setting	<program code >,47, < switch >,< color >,< brightness >,< backlight time >	lighting setting Successful.	Breathing light switch: 0 = close, 1 = open Color: 0 = gradient, 1 = white, 2 = red, 3 = green, 4 = blue, 5 = yellow, 6 = green, 7 = magenta Brightness: range 0-7 Backlighting time: 0-255 seconds
Socket operation	<programcode>,50,<socket number >,< socket switch >,< countdown >	Socket switch operation is successful Socket xx: open close Countdown: xx:xx	Socket number: range 01-16 Socket switch: 0 = close, 1 = open Countdown: (time: minutes, 24 hours)
Socket linkage	<programming password>, 51<socket number >,< system alarm>,<Zone number >,<output time>	Socket linkage setting successfully	Socket number: range 01-16 System alarm: 0 = close, 1 = open Alarm: 00 = close, 01 -32 = zone 01-32 alarm Output time: 00-255
Socket timer switch	<program code >,52,< socket number >,< repeat >,< opening time >,< closing time >,< week list >	Socket timer switch setting successfully	Socket number: range 01-16 Repeat:0=close 1=execute 1 time 2=execute 1 closure 3=perform 1 turn on/off 4=daily 5=Opening time: (time:minutes,24 hours) Closing time: (hours:minutes,24hours) Week list:(values in 1-7)
Touch switch operation	<Program code >,53,< touch switch number >,< ON/OFF >,< countdown >	The touch switch operated successful Touch switch xx: open/close Countdown: xx:xx	Touch switch number:range 01-16 Switch: 0 = close, 1 = open Countdown: (time minutes, 24 hours)

9. Technical parameters

9.1 Alarm Panel

Size: 195mm×136mm×31mm(length * width * thickness)
Power: AC100V- 240V
Battery: 7.4V/1200mAh
Output current of wired horn: <150mA
Built-in siren: >90dB(within 1m)
GSM Working Frequency: 850MHz, 900MHz, 1800MHz, 1900MHz
GSM Emission Frequency: ≤2W(850/900MHz), ≤1W(1800/1900MHz)
Wireless working frequency: 433MHz
Wireless emission distance:
Distance between wireless PIR detector and alarm panel: ≥400m(in the open area)
Distance between door magnet and alarm panel: ≥200m(in the open area)
Distance between wireless remote controller and alarm panel: ≥100m(in the open area)
Distance between wireless siren and alarm panel: ≥300m(in the open area)
Working temperature: -10℃- +50℃ humidity: 40% ~ 70%

9.2 Remote controller

Battery Power: CR2032 1pcs (button cell)
Standby Current: ≤1uA
Emission Power: ≤10mW
Emission Frequency: 433MHz

10. maintenance

10.1 Regular Testing

It is suggested to test the system one time per month to make sure normal working. If there is anything wrong, please contact with working people as soon as possible.

10.2 Cleaning Host

Please take cotton cloth or sponges with water to clean the host unit.

Note: Do not use anything with organic solvents to clean the host, such as coil oil, superglue, etc, in case destroy the host.

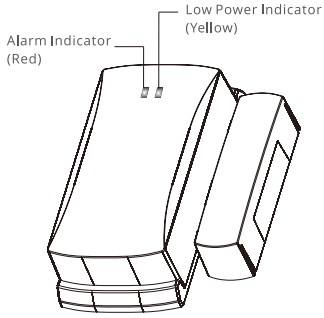
11. Solutions for Simple faults

Troubles	Cause analysis	Solution
Panel cannot give a voice alarm	1.no arming 2.no alarm phone setting 3.no enrollment of wireless accessory	
Remote controller doesn't work	1. no enrollment of remote controller 2.low battery power	1.enroll again 2.change the battery
Door magnetic triggered but no alarm	1.Transmitter and magnet box installation position is incorrect 2.The door sensor no enrolled in panel	1.Whether the light is bright when the magnetic separation of the door is separated 2.Re-pair code
PIR triggered but no alarm	1.The infrared detector is locked 2.The infrared detector is installed too far 3.The PIR no enrolled in panel	1.please check the working principle of infrared detectors. 2. Adjust the position of infrared detector 3.Re-pair code
Wireless detectors are often triggered wrongly	1.the installation site doesn't conform with right condition	1.change the installation site which conforms with right condition
No any recording when alarm happens	1.no recording of alarm voice	1.record the alarm voice again
Wired siren doesn't work	1.bad contact 2.wrong connect with polarity	1.contact again 2.connect BELL to positive side, GND to negative side
Host can't connect with router	1.the router can't surf the Internet 2.Open the MAC address access restrictions 3.The router frequency is 2.4GHz or not 4.Host doesn't connect network 5.host network connection exception 6.Router use for a long time	1.PIs check the network connection status 2.Close the restriction function 3.Check the router frequency 4.connecting network configuration 5.Restart the host 6.Restart router
Not sound when alarm happen	1.The Siren volume set as silent 2.The zone type set as Duress	1.Change the siren volume 2.Change the zone type
Panel doesn't ring when user calls to panel' SIM card	1.the ring setting is off	1.open ring setting
Can not enter programming	1.Wrong programming password	1.Enter1122334401 Recover password

12.Wireless door sensor

12.1 Instruction

With micro power consumption, high stability, long distance, battery can last long time. And have low power alert. The door sensor can be installed on door, window, and others which can open and close. When intruder enters into detecting area, it sends alarm signal to alarm console. The wireless transmitting distance can reach 400 meters in open area. It suits for bank, villa, home residence, factory building, market, storehouse, etc.



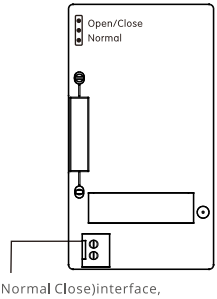
12.2 Features

- Design by micro power consumption.
- Low power alert by LED indicator.
- Low Power report to alarm panel.
- Support N/C (Normal Close) interface, can connect wired devices.(Optional)
- Battery capacity inspection. When voltage of battery<2.4V, the door magnet stop working. And the yellow light will be on.
- Adopts SMT design to increase the stability.
- support door open/closed notification.

12.3 Technical Specification

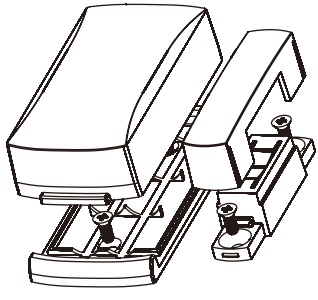
- Power: DC 3V (2 pcs 1.5V/AAA Battery)
- Standby Current: ≤ 3uA
- Alarming Current: ≤ 8mA
- Wireless Distance (with antenna): ≥ 400m
  Wireless distance (inner Antenna):≥ 200m
- Wireless Emit Frequency: 433MHz
- Operation Temperature: -20°C~60°C
- Operation Humidity: ≤ 80%
- Sensor Dimension(L*W*H): 79*37*20.5mm
- Magnet Dimension(L*W*H): 56*14*15.5mm

Electric Circuit Sketch:



N/C(Normal Close)interface,
can connect wired devices

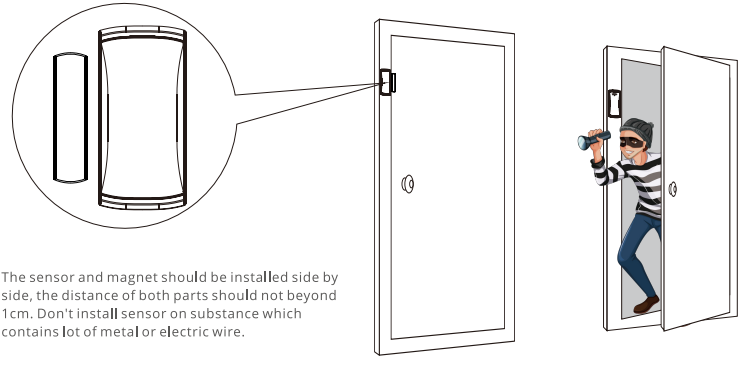
Assemble Sketch:



Open /Close: it will transmit signal when magnet and sensor are either separated or closed.
Normal : it will only transmit signal when magnet and sensor are separated.

12.4 Installation

- Open bottom cover of sensor, get insulated tape away, then it enters into working status.
- Install sensor on doorframe, and magnet on door or window. Keep magnet at right side of sensor, use double sided tape or screw to fix.



The sensor and magnet should be installed side by side, the distance of both parts should not beyond 1cm. Don't install sensor on substance which contains lot of metal or electric wire.

12.5 Note

- The product can reduce accident, but can't prevent anything. Except using this product correctly, please don*t relax your vigilance, and improve safety awareness.
- When received Low Power Alert from sensor or panel, please change battery without delay to insure the alarm system working.

13.Wireless Pet-immunity PIR Detector

13.1 Brief Introduction

The wireless pet-immunity PIR detector adopts double infrared sensor technology, which can avoid false alarm caused by pet and improve stability greatly. Please read the user manual carefully before use.

13.2 Products Features

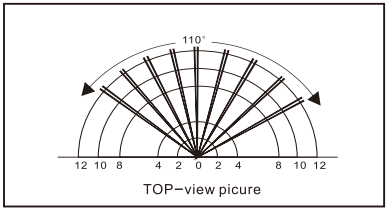
- Pet immunity with the signal from the double sensor.
- Improve the stability greatly based on analyzing the signal of dual symmetrical element& microprocessor.
- Automatic temperature compensation which can adapt the temperature change of the environment.
- Anti-white light function.
- Anti-magnetic interference with counting pulse sensitivity.
- Support low voltage alarm detection function

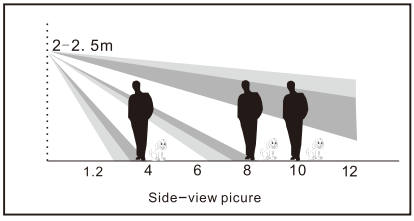
13.3 Technology Parameter

Working Voltage	DC 3V (2pcs 5# batteries)	Installation Height	About 2 m
Working Curren	≤140 uA	Detective Angle	110℃
Time of Alarm Blocking	60S	Detective Distance	12m
Pet-immunity	35kg	Wireless Frequency	433.92MHz
Working Temperature	- 10℃~+50℃	Wireless Distance	≤300 m

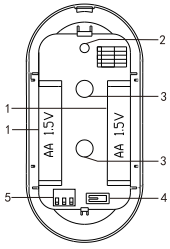
Size: L/W/H	130mm* 64mm* 43 mm	Installation Mode	Wall/Ceiling mounted

13.4 Chart of Detective Range





13.5 Component Description



1. Batteries slotting
2. Indicator light
3. Sensor
4. Tamper switch
5. Setting pin

13.6 Usage of the product

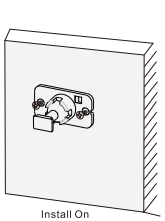
1) ON/OFF: Setting sensitivity of the detector.
1P is Mono-pulse mode (1, 2): This mode is used in general environment
2P is Double-pulse mode: With more anti-jamming ability, this mode is used in the poor environment. The default state is 2P.
2)ON/OFF: Set the detective way of PIR.
SAVING is for energy saving: If the people enter the detective area and keep moving continuously. The infrared detector sends one signal at first trigger only. The infrared detector won't send new signal while trigger after 10 seconds immovability.
NORMAL is for energy normal: when there is trigger at one time, the sensor will block itself for 10 seconds. The sensor doesn't make effect by PIR signal in the 10 seconds. The default setting is NORMAL.

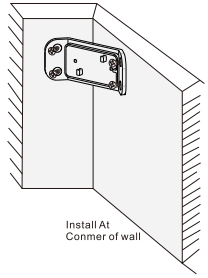
3)ON/OFF: LED ON/OFF selection indicates the status when the system alarms. LED (ON/OFF) does not affect the normal running of the detector.

Attention:
1）After changing the setting of alarm output mode, or sensitivity of the detector, user shall restart the detector to activate the settings.
2）After accomplishment, please put two pieces of 5# 2.batteries into the batteries slotting. When the indicator is flashing, the detector can start to work.
3）Turn on the power. After 60s of alarm blocking time, the indicator is off. The detector begins to detect.
4）User shall move horizontally at 6m distance to trigger the detector for testing.

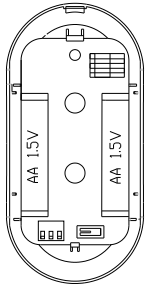
13.7 Chart of Bracket installation

- Choose the installation mounting location, and then fasten the bottom of the bracket with self tapping screws.

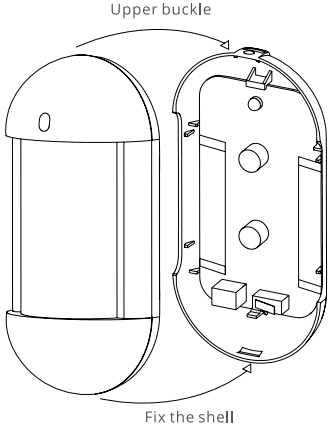




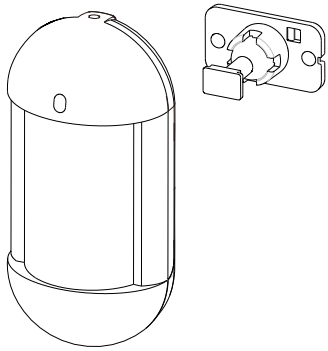
- Open the shell, then put the 2 pieces of 5# battery into the batteries slotting.



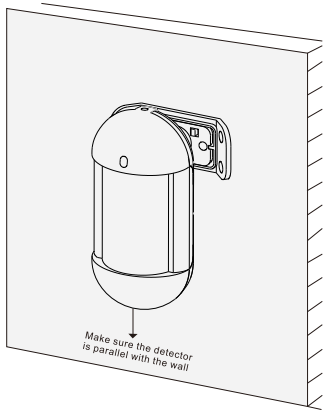
- Upper buckle and then fix it.



- Fix the active bracket on the wall.



- Hang detector on the active bracket.



13.8 Warning

- Please install and use the detector as the above requirement. Do not touch the surface of the sensor, or the sensitivity of the detector would be reduced. If it needs to be cleaned, please cut off the power and clean it with soft cloth and alcohol.
- Please make sure the detector is firmly mounted on the wall.
- Avoid the changeful environment which would cause false alarm, Avoid the changeful environment which would cause false alarm, Such as refrigerators, air conditioners, ovens which can cause severe changes of temperature.
- During the time of alarm recovery and self-blocking, the sensor doesn't make effect.
- This detector can reduce the occurrence of incidents, but nothing can be foolproof all the time. So for your safety, please keep vigilance and security consciousness in mind all the time.

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