

WIFI/PSTN Alarm System User Manual

「Reading carefully before handle」
「Keeping the user manual reserved」



Table of Contents

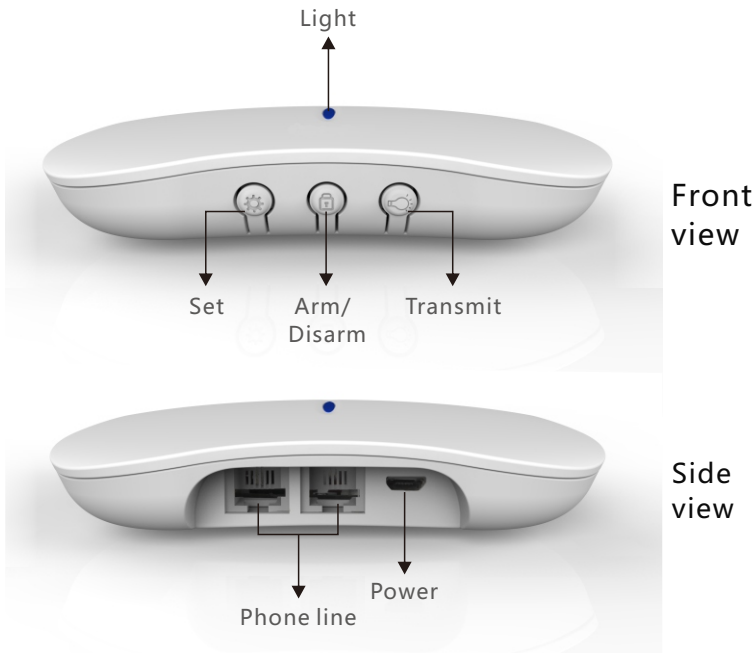
1、 Features	3
2、 Appearance	3
3、 Control Panel Operation	4
3.1 Arm& Disarm	4
3.2 Accessories	5
3.2.1 Add Remote Control	5
3.2.2 Delete Remote control	5
3.2.3 Add detectors	5
3.2.4 Delete detectors	5
3.3 Add wireless strobe siren and smart socket	6
3.3.1 Add wireless strobe siren	7
3.3.2 Add smart socket	7
3.3.3 Configuration linkage smart socket	8
3.4 Prompt message	8
3.5 Restore factory setting	9
3.6 Total System Reset	9
4、 APP	10
4.1 Register	10
4.2 Configuration for network	11
4.3 Binding Equipment	12
4.4 Password of Device	13
5、 APP Operation	13
5.1 Arm / Disarm	13
5.2 Smart Home	13
5.3 Call number	14
5.4 Zone setting	15
5.4.1 Remote Control Management	15
5.4.2 Zone Name Setting	16
5.4.3 Zone Setting	17
5.4.4 Siren	18
5.4.5 Delay Setting	19
5.4.6 Ring time	19
5.4.7 Sensors configuration	19
5.5 Alarm Record	20
5.6 Scheduled arm/disarm	20
5.7 Scheduled Outlet	21
5.8 Monitor	21
5.9 Panel setting	22
5.9.1 Alarm message receive notification	22
5.9.2 Alarm Volume	22
5.9.3 Ring times	22
5.9.4 Alarm Audio	22

5.9.5 Sound volume	22
5.9.6 Panel Name	23
5.9.7 Panel password	23
5.9.8 Panel Time	23
5.9.9 Siren switches and linkage switch	23
5.9.10 Keys arm and disarm siren sound	23
5.9.11 Panel Battery and version	24
5.10 System Setting	24
6、 Technical Parameters	25
7、 PIR sensor installation	26
7.1 Magnetic door installation	26
7.2 Infrared detector installation	27

1.Features:

- Operation by voice instruction, easy to use.
- Support 2.4G WIFI wireless network, configuration network easy.
- Support feedback host real-time status to APP.
- Support multiple alarm operation, no quantity limited.
- With function of alarm SMS push, Support IOS/Android operating system.
- 8 zone types optional in each zone; delay arm, delay alarm and ON/OFF siren in each zone is available.
- App can set defense zones name.
- App can remotely or scan a QR code to learn 8 remote controls, 8 defense zones, and 8*8 detectors.
- To set 3 groups alarm number, works when power failure.
- 4 groups scheduling Arm/Disarm function to realize fully intelligent automatic control.
- Control as much as 8 groups smart socket, 1 alarm siren, 1 linkage switch.
- To set 4 groups scheduling socket switch.
- Voice/Alarm Volume could be adjustable.

2.Appearance:



Arm/Disarm button: short press to change the status of arm/disarm/stayarm.

Set button: short press: learn the remote and detector.

long press: enter the status of WIFI setting up.

Transmit button:

short press: enter the transmit status of wireless siren and relay.

long press: Power ON/OFF.

3. Control Panel Operation

3.1 Arm& Disarm

Arm

The system is at a fully ready status where all detectors are activated in a working state, when the some events (burglar, fire, gas leak, etc) happened and detected, the control panel will be arming immediately.

Home Arm

Home Arm refers to when someone at home, and for safety, the detectors in the perimeter area like doors, windows are in working state but the detectors indoor don't work in case of the false alarm if triggered by user himself, then the user chooses Home Arm to let some detectors work and other detectors not work. Home Arm function needs to be set that is the defense zones of the interior detectors should be changed to be Home Arm zones in order to work properly. After operation, it displays and locks "Home Arm" icon. Remote Control operation: press key [Home Arm].

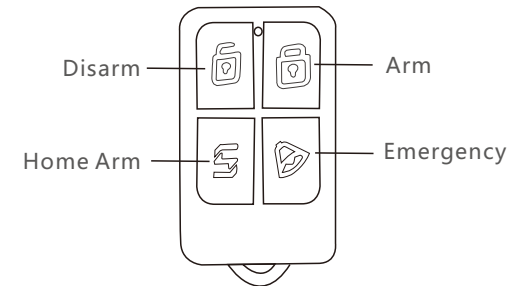
Keyboard operation: press key [ARM] twice

Disarm

Disarm means that the control panel stops to alarm or make the alarm system in a non-alert state. After disarming, when detectors are triggered, but the control panel doesn't alarm (except the detectors of emergency zones and the emergency button on remote control). After disarming operation, it displays and locks "disarm" button.

Remote Control operation: press key [Disarm].

Keyboard operation: press key [Disarm].



3.2 Accessories

3.2.1 Add Remote Control

Pressed {🔊} shortly, the light of control panel turn to cyan color, as the same time, the human voice remind "program remote control". It means that the control panel ready to program.

The control panel will be "di" with two times, when you press any button on the remote control. As well the human voice reminder "program success". It shows the remote control program success. If the control panel only "di" one time, it means the remote control had been programmed. You can press "🔊" on panel or {🔒} in remote control to exit state. If the panel exit success, the light will turn to other color. The control can total program 8 pieces remote control.

3.2.2 Delete Remote control

Pressed {🔊} shortly, the light of control panel turn to cyan color, it means that the control panel ready to program. At the same time, pressed the {🔊} with 3 seconds; and the human voice remind "setting correctly"; the panel turn to other color; it means that all of remote control have been deleted.

3.2.3 Add detectors

Pressed {🔊} shortly, the light of control panel turn to cyan color. Then pressed the {🔊} again, the human voice will remind "Zone one programming"; at same time, open the signal of detector. If the control panel shows "di di" with two times; it means the detector had been programmed succeed. Please reference the previews steps to program detectors in Zone 2,3,4,5,6,7,8. When you finished program in Zone 8, pressed the {🔊} again; the color of control panel change from cyan to other color. It shows that you can exit to program state. The control panel can total program 64 detectors. And each zone can program 8 detectors.

3.2.4 Delete detectors

Zone 1 : Pressed {🔊} shortly with 2 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone One have been deleted succeed.

Zone 2: Pressed {🔊} shortly with 3 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone Two have been detected succeed.

Zone 3: Pressed {🔊} shortly with 4 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone Three have been deleted succeed.

Zone 4: Pressed {🔊} shortly with 5 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone Four have been deleted succeed.

Zone 5: Pressed {🔊} shortly with 6 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone Five have been deleted succeed.

Zone 6: Pressed {🔊} shortly with 7 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone Six have been deleted succeed.

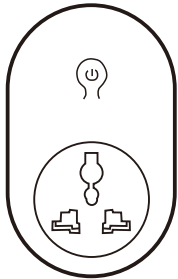
Zone 7: Pressed {🔊} shortly with 8 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone Seven have been deleted succeed.

Zone 8: Pressed {🔊} shortly with 9 times, then pressed {🔊} with 3 seconds; the human voice will remind " setting correct", as the same time, the color of control panel change from cyan to other colors. It shows the detectors in Zone eight have been deleted succeed.

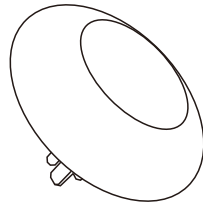
3.3 Add wireless strobe siren and smart socket

Press [🔊] key to enable the panel go to the signal transmitter status, Then press [🔒] key to turn on, [🔊] key to turn off. In the transmitter status, 10 different signal can be sent as following:

0	Signal for strobe siren
1-8	Signal for smart socket
9	Linkage alarm signal



Smart Socket S71



Strobe Siren J009

3.3.1 Add wireless strobe siren

Press SET button and hold for 3s to enable it go to adding status, then press 【🔦】 key, the system will be on purple and sound "0", means it goes to the strobe siren transmitter status, and press 【⚙️】 key or 【🔒】 key to transmit, "DIDI" sound means the adding successfully. Press the adding button of the strobe siren to exit.(please reference strobe siren manual for details).Now press 【🔒】 key, "0 turn on" sound, the strobe siren alarm, then press 【⚙️】 key, "0 turn off" the strobe siren disarm.

System operation and strobe siren function as below:

System alarm	Strobe siren alarm
System arm	Strobe siren beep DIDI
System stay arm	Strobe siren beep DIDI
System disarm	Strobe siren beep DIDI

3.3.2 Add smart socket

Press the Switch button of the smart socket and hold for 5s, it goes to adding status, then press 【🔦】 key, the light on the system will be on purple, "0" sound, means the system goes to the strobe siren transmitter status. Then press 【🔦】 key, system sounds "1", means go to smart socket transmitter 1 status, press 【⚙️】 key or 【🔒】 to transmitter, smart socket flash means the adding successfully. Other signal chosen by pressing 【🔦】 key, the same steps.

When the system is in the transmitter status, turn the smart socket on or off by pressing 【⚙️】 key or 【🔒】 key. For example, when it's in 8 signal transmitter status, press 【⚙️】 key, the system sounds "8 turn on", the added smart sockets will be turned on, when press 【⚙️】 key, the system sounds "8 turn off", the added smart sockets will be turned off. Press 【⚙️】 key for long time to exit.

3.3.3 Configuration linkage smart socket

Linkage Smart Socket is one of smart socket . The add method is the same as other smart socket. The different is the configuration signal of linkage smart socket is 9, other smart socket signal is 1-8.

Signal 9 is Linkage socket configuration signal. When the host alarm, the smart socket configured signal 9 will be closed, when the host is disarmed, the smart socket configured signal 9 will be opened. The other smart socket configuration 1-8 signal only open and closed by remote control or alarm host.

3.4 Prompt message

Function	Connect WIFI	Not connect WIFI
arm	Red light On	Red light twinkle
disarm	Green light On	Green light twinkle
stay arm	Blue light On	Blue light twinkle

Status	Indicator Light	
Configuration status	Cyan	
Network Configuration Status	White	
Emission state	Purple	Flashed red light once, indicating open
		Flashed green light once, indicating close
Restore factory setting	Yellow light flash 10 times, then purple lights flash rapidly, means restore factory setting is finished	
Total System Reset	Red light flash 10 times, then purple lights flash rapidly, means total system reset is finished	

3.5 Restore factory setting

Operation: Long press [🔌] button to close the host at first, press and hold [🔒] button then press [🔌] button to open the host, yellow light on the host flash 10 times, the host "di,di.." 10 times at the same time, then purple lights flash rapidly, means restore factory setting is finished. Restoring factory setting will delete all the record and return to factory defaults, but not remote control, detectors, system time, language and configuration WIFI.

3.6 Total System Reset

Operation: Long press [🔌] button to close the host at first, long and hold press [⚙️] button and press [🔌] button to open the host, red light on the host flash 10 times, the host "di,di.." 10 times at the same time, then purple lights flash rapidly, means Total System Reset is finished. Total System Reset setting will delete all the record and return to factory defaults, but not system time, language and configuration WIFI.

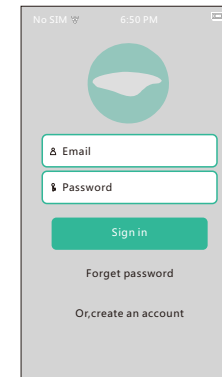
4.APP

Scan the QR code to download the app or search "W1" in App Store or Google market to download.



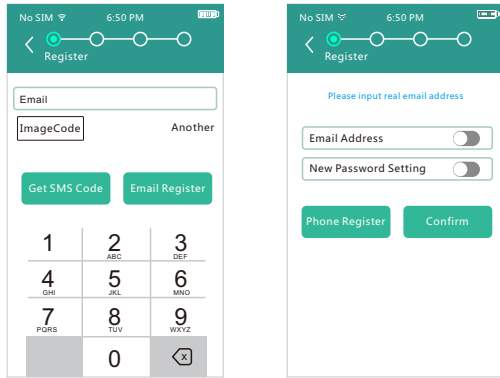
4.1 Register

You need to register one account if you are first to use the app. The steps as below (for IOS for example):



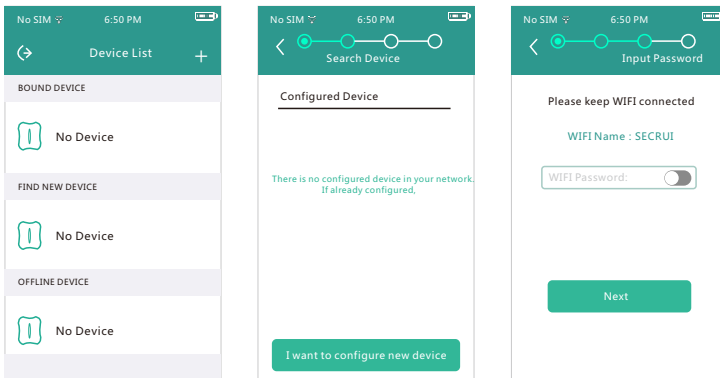
Register by Email.: Click "Register"-Click Email Register.-Input Email and password- click "Confirm", register finished.

Note: E-mail registration without entering a verification code when signing up to ensure proper use of email mailbox for you, when you forget the password is easy to re-assign a new password.



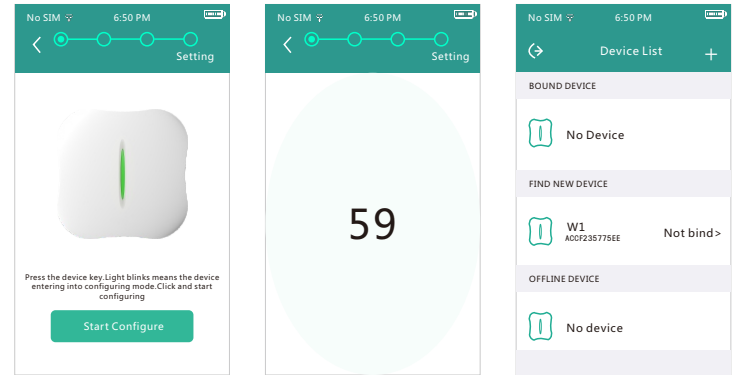
4.2 Configuration for network

1. Go to "Device List" in app, click "+", choose "i want to configure new device", input wifi password, click "next step" to go to configuration page.



2. Long pressing the [🔌] button, the white light on the device will flash, then enter the configuration status.

3. At last, select "start configure" then the APP will start the 60 seconds of countdown. If success, the APP will turn to the "device list".



Notice: the APP configuration should under the same WIFI network with the device.

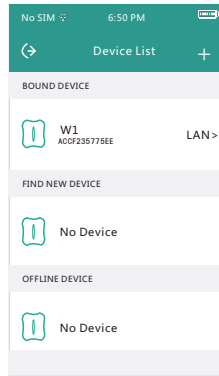
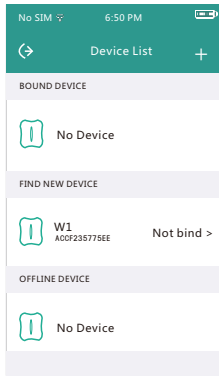
4.3 Binding Equipment

There are three options under APP page; on-line device, off-line device, Unbound device. If the device shows under "on-line device page", after clicked on the "unbound device page"; it means successfully. Mobile phone can detect the other device automatically under the LAN.

On-line device: The device enter the network success; and the network work very well. The cellphone bind with network.

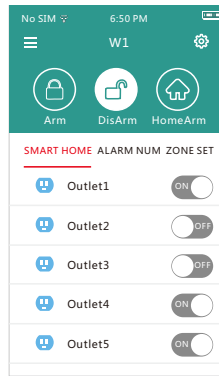
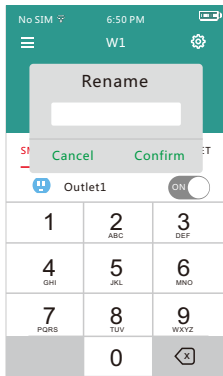
Off-line device: The device enter the network success; and the cellphone had already bound with network. But the device didn't enter the network.

Unbound device: The device enter the network success; and the device connect the network very well. But the device didn't bind with cellphone at before.



4.4 Password of Device

Clicked on any device under "BOUND DEVICE";input correct passwords (original password:123456), enter into the operation interface. You can operate the control pane in any place which without network.



5. APP Operation

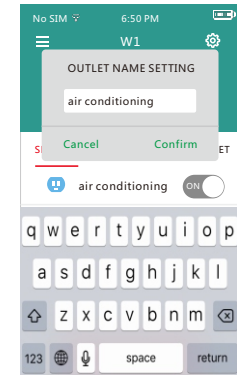
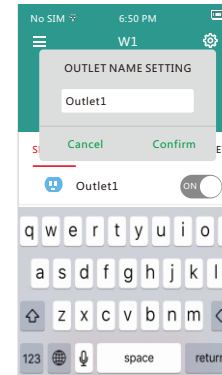
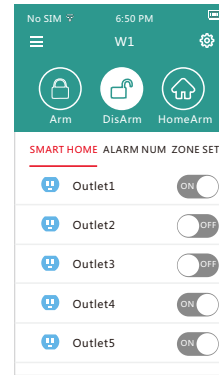
5.1 Arm / Disarm

To arm / disarm by pressing ARM icon / DISARM icon /STAY ARM icon .

5.2 Smart Home

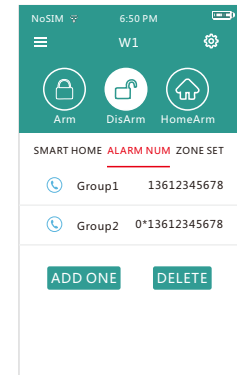
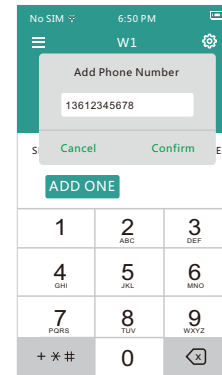
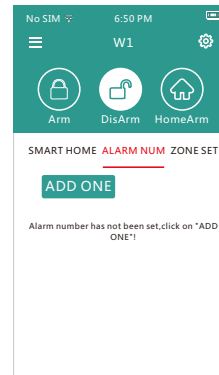
On the Smart Home interface, there are 8 smart sockets, there is one switch

icon after each socket, ON OFF. Click the switch icon, Enter the new name in **【Outlet Name Setting】** window , then confirm to save.



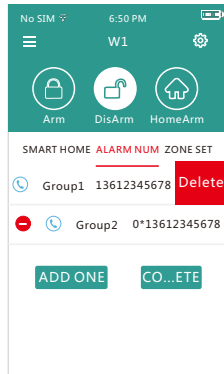
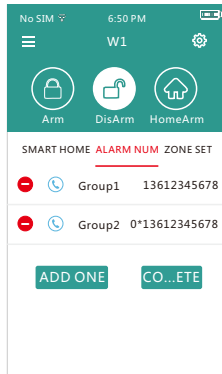
5.3 Call number

Add Call number: On the menu of the called numbers, click **ADD ONE** icon, add the phone number and press **【confirm】** to save. If one number need in the front of the phone number, the pause icon * need to be dialed in middle, which means 1s pause when dialing , for example: 0*13612345678. 3 numbers can be added in total.



Delete the call number:

On the menu of the called numbers, click delete button, then press icon before the number and icon on the right of the number to delete.






5.4 Zone setting

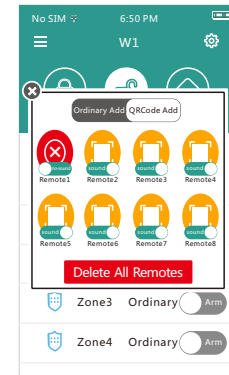
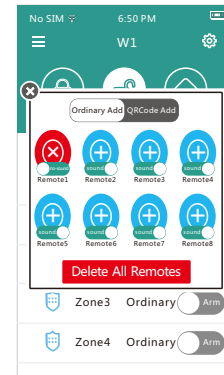
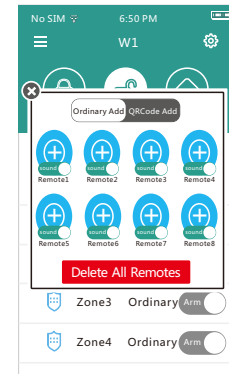
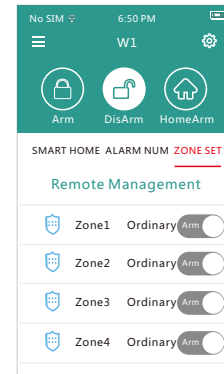
On the menu setting, there is one remote control management, 8 detector defense zone. Can program 8 remote control for each defense, total is $8 \times 8 = 64$ detector. Each defense zone can be armed or disarmed independently.


5.4.1 Remote Control Management

In the setting of defense zone, click **Remote control management**, adding remote control program interface pop up. As the photo, there are 8 remote control icons, one icon is for one remote control, and can separately set the remote control audio. When the audio is on, strobe siren will alarm when the panel is armed or disarmed by remote control. There are two ways to program remote control in app: Normal adding and QR adding.

Normal adding: In the valid range of signal receiving by panel, click, icon , panel sound "add remote control", press any button of remote control to add. The detector icon  will change to , means the adding successfully.

Noted: After the remote control is added successfully, it's better to test if the adding OK or not.

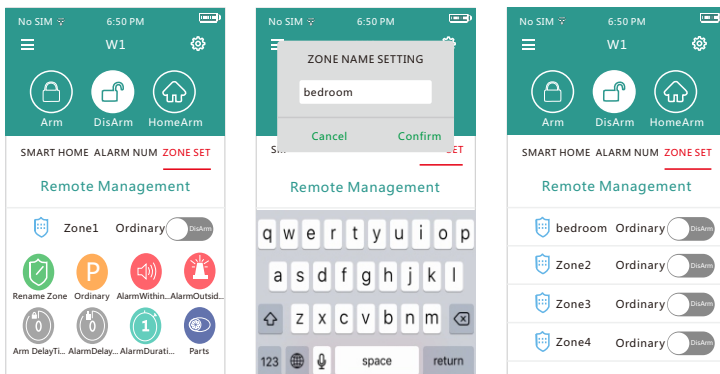


Add QR Code: Click on any  logo under "add QR code" page; then you can program the remote control to the panel, though scan the QR code in it. You can scan QR code of Remote control in anywhere & anytime. There is no limited for the distance.

5.4.2 Zone Name Setting

There are 8 difference zones in the page of Zone setting. You can modify the name of Zone, according to your requirements. The operation steps as below:

Clicked on any zone, then selected [Zone name setting]; choose the zone name or enter the new name, then press confirm to save. Such as, Changed "Zone 1" to "Bedroom".



5.4.3 Zone Setting

In the Zone setting page, you can click any zone; then select the "P". There are 8 difference type zones; Normal, Stay, Intelligent, Emergency, Close, Doorbell, Welcome, Help Senior. Slip for selecting difference Zone; pressed for saved.

Normal Zone: When the control panel under arming or stay status, if the detector in this zone had been trigger, the control panel will be arming. And if the control panel had been disarmed, the control panel will not be arming.

Home Arm Zone: When the control panel under Home Arm status; if the detector in this zone had been trigger, the control panel will not be arming. For example, there is a user who installed one door sensor, and one PIR detector at home; door sensor in No.1 zone; PIR detector in NO.60 zone (Home Arm zone). The control pane under Home Arm status; when the people move at home, the PIR detector will send out the signal, but the control panel will not be arming. But if it is in Zone 1(Normal Zone); the control panel will be arming immediately.

Intelligent Zone: When the control panel under stay or arming status; if the detector in this zone had been triggered one time, the control panel will not be arming. If you would like the control panel arming, you need trigger the detectors again at 30 seconds.

Emergency Zone: Whether the control panel under arming or disarming status; when you trigger the detector, the control panel will be arming. It is widely used to connect smoker sensor, gas detector, SOS button, etc.

Closed Zone : Whether the control panel under arming or disarming status , detector will not alert even being triggered.

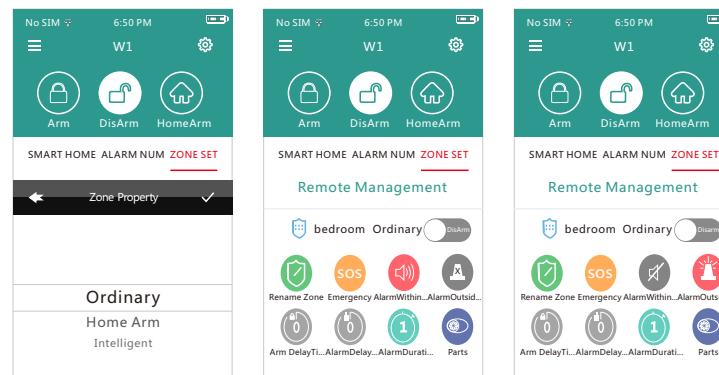
Chine Zone : Whether the control panel under arming or disarming status, when the sensor in this zone is triggered, a welcome doorbell will be ring as notification.

Welcome Zone: Working on the disarming status, when sensor in this zone is triggered, a welcome voice message will be played. While in arming status, system alarms.

Help Sensor Defense Zone: This type of zone is for elderly safety, Whether the control panel under arming or disarming status, the control panel will alarm once sensor in this zones is triggered.

5.4.4 Siren

Enter the "ZONE SET" , choose one zone name and press build-in siren or alarm outside to On/Off the siren.



5.4.5 Delay Setting

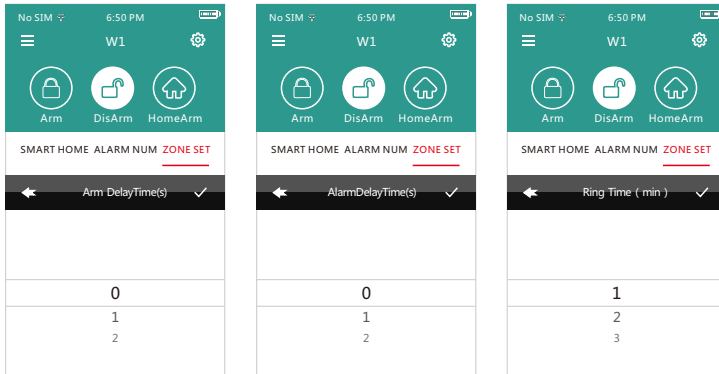
Enter the "ZONE SET", choose on zone name and select **【Delay Arm】** or **【Delay Alarm】** to set, then press **【confirm】** to save.

Delay arm: 0-255 seconds can be set delay arm on the host, the factory default is 0.

Delay alarm: 0-225 seconds can be set delay alarm on the host, the factory default is 0.

5.4.6 Ring time

Enter the "ZONE SET", choose one zone name and select **【ring time】** to set the time, then press **【Confirm】** to save. 0-20 minutes can be choose on the host. The factory default is 1 minutes.

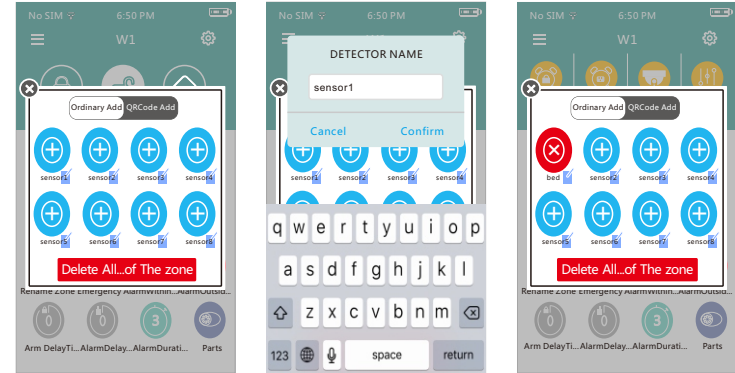


5.4.7 Sensors configuration

Enter the "ZONE SET", choose one zone name and select "PARTS", press the **⊕** to add the detectors. Add success when the logo turn to be **⊙**.

Two method to add the detectors by the APP:

- APP normal operation as above.
- APP scan the detector QR code.

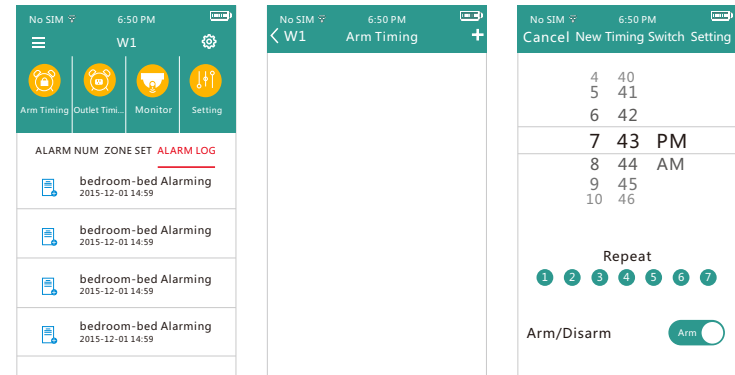


5.5 Alarm Record

Enter the "Record" of the APP, you can check 15 alarming records in recent.

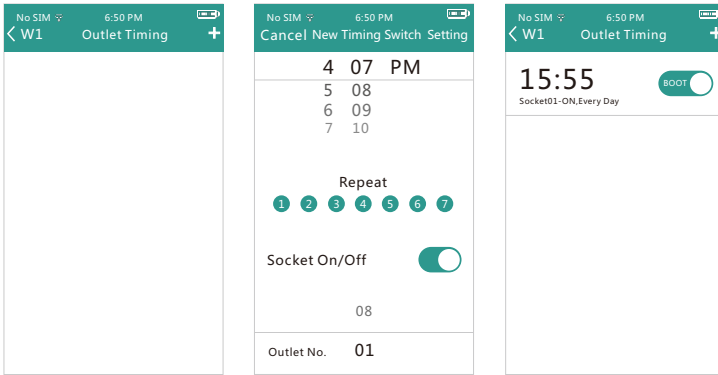
5.6 Scheduled arm/disarm

Enter the **⚙** of the APP and press the **⊕**, you can set 4 groups of scheduled arm/disarm. Press **+**, you can set the time/week of scheduled arm/disarm.



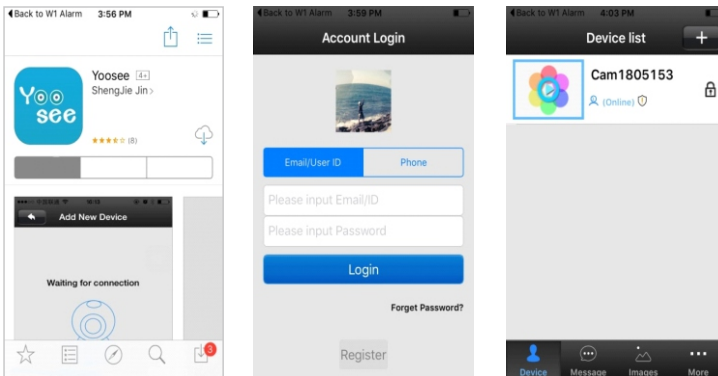
5.7 Scheduled Outlet

Enter the "⚙️" of the APP and press the "🕒", you can set 4 groups of scheduled Outlet. Press "+", you can set the time/week/switch/group name of scheduled Outlet.



5.8 Monitor

Enter the "⚙️" of the APP and press the "📷", you can jump to the camera APP: Yoosee. If you had not install the Yoosee, press "📷" then will jump to the download page. For details of the camera APP please refer to the camera manual.



5.9 Panel setting

5.9.1 Alarm message receive notification

Turn on Push switch, alarm message will be pushed to phone when the host alarm.

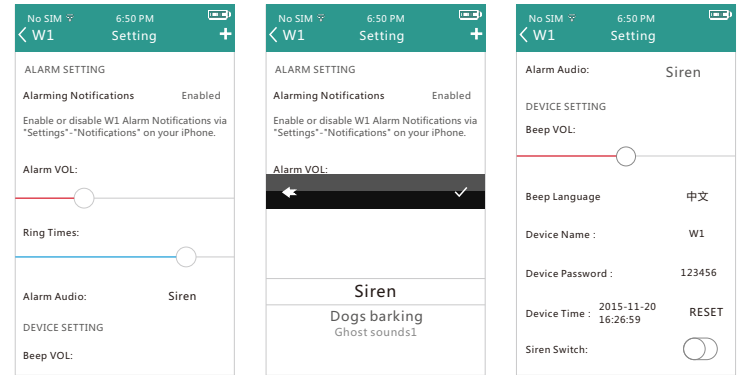
Setting method: Enter Iphone [Settings] and press [Notification], Set Push Switch ON/OFF in [W1] application.

5.9.2 Alarm Volume

Enter the "⚙️" of the APP and press the "🔊",slipping the button to set the alarm volume.

5.9.3 Ring times

Enter the "⚙️" of the APP and press the "🔊",slipping the button to set the ring time.



5.9.4 Alarm Audio

Alarm audio is the siren sound types after the host alarm . Panel can set four alarm audio: sirens, dogs barking, devil sound 1 and devil sound 2.

Setting method: Enter the "⚙️" of the APP and press the "🔊" choose Alarm audio,press audio name, such as siren,select the alarm audio.

5.9.5 Sound volume

Sound volume is the host prompt voice.

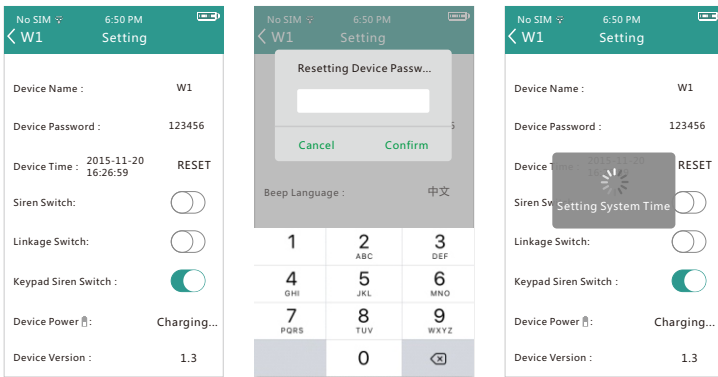
Setting method: Enter the "⚙️" of the APP and press the "🔊",slipping the button to set the sound volume.

5.9.6 Panel Name

The panel name can be changed to make management convenient. Setting method: Click Panel name, such as W1, enter the new panel name, and press **【Confirm】** to save.

5.9.7 Panel password

W1 alarm factory default password is 123456, we can reset the password. Setting method: Click Panel password, such as password 123456, enter the new password, press **[confirm]** to save.



5.9.8 Panel Time

When the host system is at the wrong time, we may be "reset" time of the phone to the host.

5.9.9 Siren switches and linkage switch

Siren switch: refers to the linkage of sound and light Siren switch. Siren switch ON, the host sends the linkage of sound and light alarm on signal, the linkage of sound and light alarm siren; siren switch off, the host sends the linkage of sound and light alarm off signal, the linkage of sound and light alarm stops ringing.

Linkage switch: it refers to the switch linkage intelligent socket. When the linkage switch is opened, the host issues linked smart socket signal, the linkage intelligent socket is closed; the linkage switch off, the host sends off signal smart socket joint, the linkage smart sockets disconnected.

5.9.10 Keys arm and disarm siren sound

Keys arm and disarm the siren sound open, press cloth disarm key on the

5.9.10 Keys arm and disarm siren sound

Keys arm and disarm the siren sound open, press cloth disarm key on the host to a host arming and disarming, the linkage of sound and light alarm siren sound will be accompanied by 2 times.

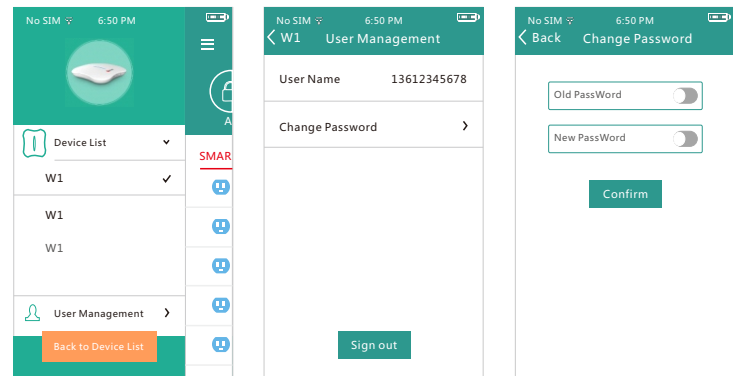
Keys arm and disarm the siren sound off, press the cloth disarm key on the host to a host arming and disarming, the linkage is not sound and light alarm siren sound.

5.9.11 Panel Battery and version

Panel Battery: refers to the percentage of power the host cell.
Panel Version: refers to the host software version number.

5.10 System Setting

In APP Operations Page, click **[☰]**, enter **[System Management]**. In the system administration page, there is a list of **[equipment]**, **[Account Management]**, **[help]**, **[about]** and **[Device List]** 5 function keys:

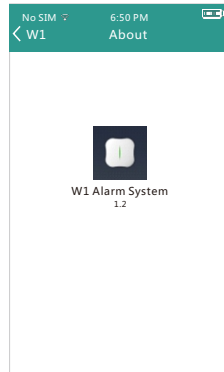
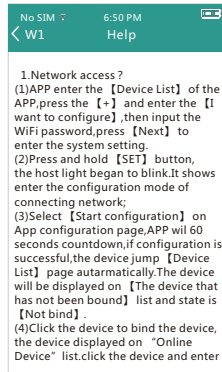


Device Manager: Click **[Device List]**, you can choose to use a different W1 alarm host;

User Management: Click **[User Management]** page, change password; click **[cancellation]**, you can log off.

Help: Click **[Help]**, the user understands the control panel for common operations W1 and FAQs;

About: Click **[about]**, check the software version of the control panel and the Company Profile.



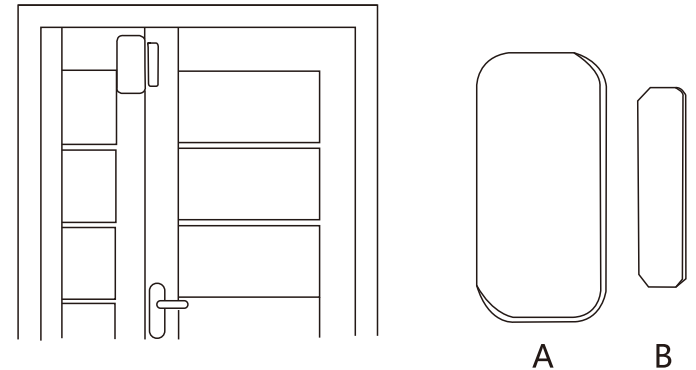
6. Technical Parameters

The power supply	DC5V 1A
Built-in battery	3.7V 800mAh the lithium battery
The battery standby time	8h
Working current	65mA ~ 150mA
Standby current	65mA ~ 125mA
The alarm current	≤400mA
Radio frequency	433MHZ
Receiving distance	>100M(open area)
Receiving sensitivity	-90dBm
Launch distance	100M(open area)
Built-in alarm loudness	80dB
Modulation method	ASK
The host low electric voltage	3.5V (No voice prompt, mobile phone APP suggests low electricity)
Accessories parameters	Hs1527 coding , 220KVibration resistance

7. PIR sensor installation

7.1 Magnetic door installation

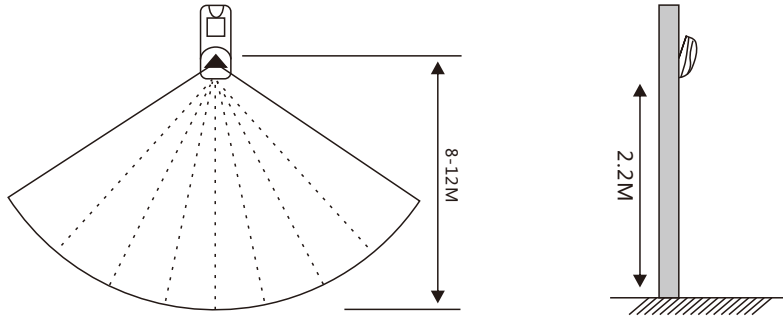
Magnetic door for opening and closing of induction, consists of two parts, transmitters and the magnet, can be installed on the doors and Windows or any object can be used to switch on and off. Transmitters and door after magnetic separation, magnetic door will send alarm signal to the control host, the host entered into a state of alarm.



Door magnetic detector installed in the activities of the door or window and door first position corresponding to clean, remove the wireless door magnetic detector, at the bottom with double-sided adhesive. The crack of the door detector installation should pay attention to the following:

- 1, the door magnetic detector (transmitter) and door magnetic detector B (magnet) should be installed separately, namely launcher is installed on the fixed frame, and A magnet should be installed on the door.
- 2, magnets and transmitters for up and down, the distance between the two should not be greater than 1 cm.
- 3, after the installation at the instant of the open lamp shining 1 seconds installation intact.
- 4, 1 seconds alarm prompt the magnetic door light shining, indicator long on tip said the battery is low.
- 5, the crack of the detector of A and B can be consolidated with screws, (take out A bottom cover, screw in bottom reinforcement again after will cover button on the bottom cover, B can be directly on the screw back into solid.)

7.2 Infrared detector installation



Switch on the side of the detector cell before use, installation is controlled 2.2 meters high from the ground, should be installed indoors and in a corner as far as possible in order to obtain the ideal detection range, at the same time should be carried in line with indoor walking certain Angle (with people walking direction form an Angle of 90 degrees of detection effect is best).

Installation method: take out attached to the base of support, will support card into the card slot, base and remove two screws on the wall, the infrared detector has been installed stents forcibly press it into a round hole in the center of the base, the infrared detector and the debugging to the best Angle. (this method is applicable to engineering installation)

Infrared detector installation should pay attention to the following:

1. Don't install infrared detectors directly facing the window,
2. Detection range shouldn't lie between screen, furniture, large potted plants or other quarantine objects.
3. Two infrared detectors shouldn't be installed in the same space , to avoid the interference phenomenon caused by trigger at the same time.
4. to avoid false positive, far away from the window, furnace temperature whose place can produce a rapidly change.
5. infrared detector can only be installed in indoor (do not installed in the outdoor).