

User Manual of W181 GSM/WiFi Alarm System

Operation Instruction

User Manual of W181
GSM/WiFi Alarm System

成品尺寸:125*185mm
展开尺寸:250*185mm
封面封底:120g双胶
内页材质:68g双胶
骑马钉定装 单色

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

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Product Explanation

The Host: The receiver and control center of alarm system

Remote Control: Switch the mode of Host in Arm/Disarm/Home arm. Or for emergency alarm, but needs to connect with the host first.

Detector: Install in the area needs to be detected, send the alarm signal to the host, with PIR /Motion detector, Door window detector, Smoke detector, Gas/CO detector, etc. Need to connect with host first.

Arm: in arm mode, any detectors are triggered, the host will make an alarm

Diarm: in disarm mode, only the detector in emergency zone and elder helping zone is triggered, the host will make an alarm. Others not.

Home arm: in arm mode, the host will not make an alarm if the detector in home zone is triggered. But detectors in other zone still can trigger an alarm in this mode.

Alarm number: an auto-dial phone number while the host alarms.

CID number: the phone number of alarm center, the host send alarm message to this number address.

Help number: the auto -dial phone number while the detector in elder helping zone is triggered.

SMS number: The phone number of sending alarm message to the user when the host alarms

Voice call: use the alarm host as a mobile phone to make calls

Delay arm: after the user arm the system by host button or remote control, the host will delay a while before enter into arm mode.

Delay alarm: after the host receive the alarm signal from the detector, it will delay a while before alarms.

Remote control: Use the phone or mobile phone to dial the SIM number bound to the host. Then control the host after it answered.

APP control: Use the TUYA app in your smart phone to control the host.

System password: when locking the keyboard, input the password of the keyboard; When calling to the host for remote control, needs to be input is four digits, the factory password setting is 1234.

System volume: the volume of the system voice prompt when operating the host

System voice: whether voice prompt is required when operating on the host

Alarm time: the time of siren gives alarm, in minutes

SMS reply: refers to whether the host automatically replies to the SMS after receiving the SMS when the user sets the host parameters by sending SMS

Alarm output: when the host alarm, whether to output relay short circuit at the same time

Remote Control Voice Setting: when using the remote control to arm or disarm the host, the host voice prompts the system in alarm mode and gives "DI" notification sound.

Timing Arm & Disarm: set a group of Arm and Disarm time, so the host will enter into the arm or disarm state automatically at the set time.

User serial code: while connect to network, the number of the host in the networking center, composed of four digits.

Center precision: the requirement of handshake signal precision when the host interacts with the network center computer

Arm/Disarm upload: when the host changes the Arm/Disarm status, whether to upload the Arm/Disarm information to the network center

Self inspection time: in order to keep connection with the network center, the detection information shall be uploaded to the network center regularly

Self inspection in week: in order to keep connection with the network center, it is necessary to regularly upload the detection information to the network center

Backlight power saving: whether the display screen should be turned off to save power when the host is unattended

Anti Tamper switch: the host with a switch to prevent dismantling, choose to alarm when the host is dismantled or not

Illegal Arm: set the illegal arm function, which can prompt you whether the doors and windows are closed when you go out.

Recording: users can record a sound by the host in advance. When there is an alarm, the host dials the alarm phone. After the phone is connected, you can hear the recording on the phone, such as "XX has an alarm" and so on

Networking event code: it is used to define the alarm information attribute of the zone area, such as theft alarm, gas alarm, etc., which is represented by 3 digits

Alarm siren: when the detector in a certain zone area alarms, turn on the siren of the host or not.

Type of zone area: the attribute of zone area. There are 8 options.

Common zone area: the host only works when it is armed or in home arm status, and there is no response when it is disarmed.

Home zone: when the host enters the home arm status (press the home key on the host keyboard or the home key on the remote control), the type of zone is that the detector in the home zone will not alarm if it is triggered. Note: if a user is equipped with two accessories, one is a door magnet, the other is an infrared detector, the door magnet is in zone 1, and the infrared detector is in zone 60 (home zone). At this time, the user presses the home key of the remote control to make the host enter the home arm state. When the user walks around the home, the infrared detector will detect the movement of the human body and send out a signal, but the host will not respond. However, when the door magnet of zone 1 (ordinary zone) is opened, the host will immediately give an alarm.

Intelligent zone: in the status of arm, when the detector in the zone is triggered once, the system will not give an alarm immediately. It will give an alarm only if it is triggered again within 5 ~ 30 seconds after the first trigger.

Emergency zone: no matter in Arm or Disarm status, as long as the detector is triggered, it will alarm. It is generally used to connect smoke sensor, gas detector and emergency button.

Shut down zone: no matter in arm or disarm status, the detector will not alarm when it is triggered.

Chime zone: no matter in Arm or Disarm status, as long as the transmitter in chime zone is triggered, the host will give a chime sound "DingDong".

Welcome zone: In disarm status, the transmitter in welcome zone is triggered, the host will give a sound "Welcome". In arm status, the host will alarm when the transmitter is triggered.

Elder helping zone: no matter the in arm or disarm status, the transmitter of the elder helping zone is triggered, the host will voice prompt

"elder helping in a zone", and dial three groups of helping numbers.

Dial the number of the zone: when setting the alarm number of a zone, it defined which groups of alarm numbers should be dialed, and three groups of help numbers should be dialed for the elder helping zone.

System time: the system time and date of the alarm.

Alarm record: the information of each alarm of the host is recorded, including the zone number and the alarm date, for the user to query, and it can record up to 102 groups.

Arm/Disarm record: each arm and disarm of the host will be recorded, including arm and disarm action, time, date, method, etc., it can record up to 72 groups .

Chapter 1 Introduction

1.1 System introduction

This is a high-end GSM/WIFI(2.4G) alarm system with 1.7-inch TFT color screen, touch keyboard, and built-in powerful CPU master, more stable and reliable in performance. The panel supports wireless connection with PIR motion sensors, door contacts, smoke detectors, gas detectors, remote controls, emergency buttons, and other accessories. When the panel host received any alarm notification, the host screen will display the alarm zone immediately, with 80 dB siren sound on site, up to 110 dB siren sound by connecting external horn. at the same time the panel will push alarm message by GSM card and call the user's numbers by preset in the system. By pushing the alarm notices to the bound mobile phone through WiFi. It is widely used in families, factories, schools, shops, convenience stores, financial rooms, villas, residential areas and other places that need to be protected to ensure the safety of people and property.

1.2 Feature

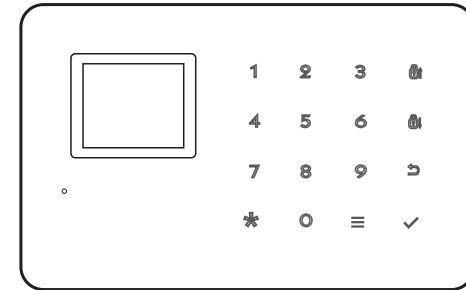
- Colorful TFT color display, humanized menu and voice prompt, easy to use
- Support 99 zones and 8 zone types optional in each zone; ON/OFF siren in each zone
- 8 groups timing Arm/Disarm function, weekly timing optional for each group to avoid manually arm and disarm frequently, truly realizes smartly and automatic control.
- The panel will dial 6 groups of preset phone number when alarm and no phone numbers lost even power off
- 10s automatic message recording function, Embedded artificial voice, the user will know the alarm location and alarm zones remotely.
- Remote arm and disarm, monitoring, speaking, switch alarm, switch intelligent socket function.
- Wireless intelligent connecting 1527 full range of accessories, support to connect 100 remote controls and 100 detectors
- Telephone (mobile phone) or sending SMS to control the host system remotely, innovative compatible with China Mobile Feixin function,

in order to save costs users send SMS to the host system settings and SMS .

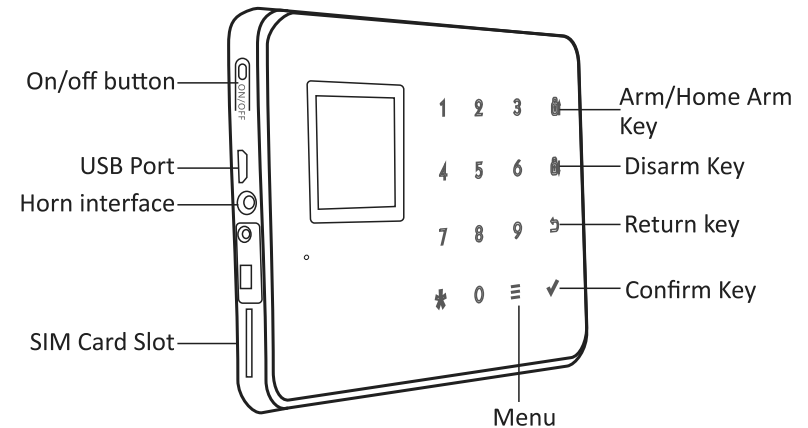
- Can use app to set and manage the panel host, support IOS / Android operating system. The host can be used as an ordinary mobile phone, which can make calls directly.
- One way of alarm linkage wireless relay, one way of linkage wireless sound and light siren, can be connected to the wired horn to expand the alarm volume.
- Integration of high-precision clock chip, time will not be disrupted due to power failure.
- The unique black box function can display the latest 72 arming and disarming records and 102 latest alarm records. Display the alarm time and area code accurately.
- 2 sets of CID numbers, can be connected with large central computers, and compatible with International network alarm Contact ID protocols.
- with low power reminder and anti tamper function.
- Built in rechargeable high-capacity lithium battery, automatically switch to standby supply when power failure.
- with SMS reminder and calling when power-off.
- The panel host adopts 850/900/1800/1900MHz GSM / GPRS module.

Chapter 2 Installation

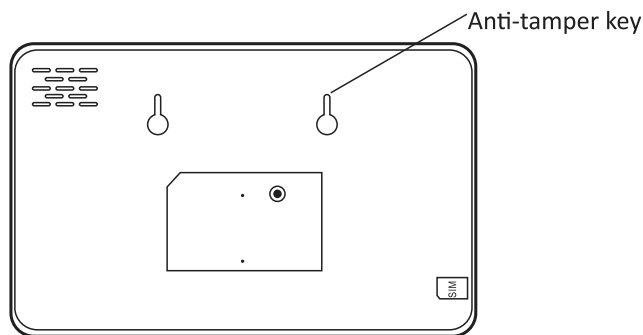
The panel should be installed in the central position of the guard area to receive all signals from detectors. Keep away from large metal objects or appliances with high-frequency interference, meanwhile, avoid the reinforced concrete walls and fire doors barriers, etc.



Front View



Host Touch Keypad and Side View



Panel Back View

Prompt information display	Display "Disarm"	Host in disarming status
	Display "Arm"	Host in arming status
	Display "Home Arm"	Host in home arming status
	Display "XX Zone is alarming"	Host in alarming status with specific defense zone
	Display "97 Zone is alarming"	97 Zone is alarming cause manual disassembly or moving the Host. Anti-tamper alarm.
	WIFI connect	Host Keypad connect WIFI
	SIM icon is blinking	Host did not detect SIM card

Chapter 3 Operation & Setting

3.1 Initial Power-on

According to the installation method, insert the SIM card to the card slot of the host panel, then connect host with power and long press [ON/OFF] button. Now then, host voice prompts "Welcome to smart voice alarm". At the same time the host starts self-testing GSM network, "GSM signal LED" flashing (flash once for 1S) when searching the GSM Signal. Until network working properly, SIM Card icon will disappear, means GSM signals and SIM card working normal. If it keeps flashing means not detecting SIM card or something is wrong with SIM card. Host Keypad shows not connect with WIFI.

3.2 Arm

Arm refers to a full range of on-site alarm detection alert when nobody at home; All detectors are in working state, when there is danger (theft, fire, gas leak etc) trigger the detectors, the host alarms immediately. After arming operation, it displays and locks "ARM" icon.

Remote Control operation: press key [ARM] once.

Keyboard operation: press key [ARM] once.

3.3 Disarm

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

Remote Control operation: press key [Disarm].

Keyboard operation: press key [Disarm].

3.4 Home Arm

Home Arm refers to when someone at home, and for safety, the detectors in the perimeter area like doors, windows, balconies 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 Home Arm operation, it displays and locks "Home Arm" icon.

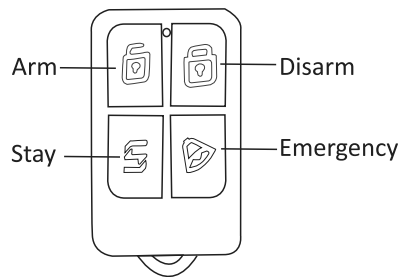
Remote Control operation: press key [STAY].

Keyboard operation: press key [ARM] twice.

3.5 Emergency Alarm

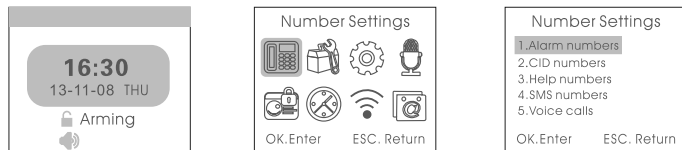
When an emergency occurs, press panic key on the remote control to enter emergency alarm state.

Note: if the host password keyboard protection function is turned on, the password needs to be input before the operation to the keyboard, and the initial password is 1234.



3.6 Set Phone No.

The host can maximum set 6 groups alarm No., 2 groups CID No., 3 groups Help No., 6 groups SMS message No. The maximum length of every group phone No. is 30 digits. Please find settings as below:



Picture 3-1

3.6.1 Set Alarm Phone No.

As shown in picture 3-1, press key **【UP/DOWN】** to select **【1. Alarm Phone No.】** and press key **【OK】** or input 1, then input group number (1-6), then input phone number like 13812345678. User can set 6 groups alarm phone numbers at most. Then press key **【BACK】** to return to desk page.

Delete Alarm Phone No.

As shown in picture 3-1, after entering to the settings of alarm phone numbers, press key **【Menu】** to delete the alarm phone number and press key **【OK】** to save, then press key **【BACK】** to return to desk page.

3.6.2 Set CID No.

As shown in picture 3-1, press key **【UP/DOWN】** to select **【2. CID No.】** and press key **【OK】** or input 2, then input group number (1-2), then input CID number like 88889999 and press key **【OK】** to save. Then press key **【BACK】** to return to desk page.

Delete CID No.

As shown in picture 3-1, after entering to the settings of CID numbers, press key **【Menu】** to delete all the CID No. and press key **【OK】** to save, then press key **【BACK】** to return to desk page.

3.6.3 Set Help Phone No.

As shown in picture 3-1, press key **【UP/DOWN】** to select **【3. Help Phone No.】** and press key **【OK】** or input 3, then input group number (1-3), then input phone number like 13812345678 press key **【OK】** to save. User can set 3 groups alarm phone numbers at most. Then press key **【BACK】** to return to desk page.

Delete Help Phone No.

As shown in picture 3-1, after entering to the settings of Help Phone No., press key **【Menu】** to delete Help Phone No. and press key **【OK】** to save, then press key **【BACK】** to return to desk page.

3.6.4 Set SMS Phone No.

As shown in picture 3-1, press key **【UP/DOWN】** to select **【4. SMS Phone No.】** and press key **【OK】** or input 4, then input group number (1-6), then input phone number like 13812345678 press key **【OK】** to save. User can set 6 groups alarm phone numbers at most. Then press key **【BACK】** to return to desk page.

Delete SMS Phone No.

As shown in picture 3-1, after entering to the settings of SMS Phone No., press key **【Menu】** to delete Help Phone No. and press key **【OK】** to save, then press key **【BACK】** to return to desk page.

3.6.5 Phone Call

As shown in picture 3-1, press key **【UP/DOWN】** to select **【5. Phone Call】** and press key **【OK】**, then input phone number like 10086. Press key **【OK】** to start calling. Press key **【BACK】** to hang up.

Add Accessories	Add Remote Control	Add Detector
1.Add Remote Control	Enter Number(00-99)	Enter Number(00-99)
2.Add Detector		
3.Del Remote Control		
4.Delete Detector	Total : 001	Total : 000
5.Smart Accessories	OK.Enter ESC.Return	OK.Enter ESC.Return

Smart Accessories	Smart Accessories	Smart Accessories
Enter Number :	Enter Number :	Enter Number :
		Send OK
0.Siren 9.Alarm Outlet	0.Siren 9.Alarm Outlet	0.Siren 9.Alarm Outlet
Arming Key.ON	Arming Key.ON	Arming Key.ON
Disarm Key.OFF	Disarm Key.OFF	Disarm Key.OFF
OK.Enter ESC.Return	OK.Enter ESC.Return	OK.Enter ESC.Return

Picture 3-2

3.7.2 Delete Remote Control

As shown in picture 3-2, press key **[3. Delete Remote Control]** . With the voice prompt “Please input numbers (01-99)”(e.g. delete No. 1 remote control, then input 01; delete No. 22 remote control, input 22; delete all by pressing key **[ARM]**), then press key **[OK]** .

3.7.3 Add Detectors

As shown in picture 3-2, press key **[2. Add Detectors]** . With the voice prompt “Please input zone numbers (01-99)”(e.g. Study Zone No. 1 remote control, then input 01, study Zone No. 22 remote control, input 22), then press key **[OK]** . At this moment, trigger detectors to send a signal to host. Host voice prompts “Add Successfully” with **[Add Successfully]** on display, which means detector has been programmed to the host. If voice prompts add repeatedly, it means detector has been added to the host already and couldn’t be programmed repeatedly. To learn more detectors, trigger other detectors. The host can study as most as 150 different detectors.

3.7.4 Delete Detectors

As shown in picture 3-2, press key **[4. Delete Detectors]** . With the voice prompt “Please input numbers (01-99)”(e.g. delete Zone No. 1 remote control, then input 01; delete Zone No. 22 remote control, input 22; delete all by pressing key **[ARM]**), then press key **[OK]** .

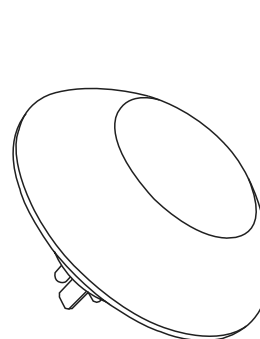
3.7.5 Intelligent Accessories

As shown in picture 3-2, press key **[1. Add Remote Controls]** . With the voice prompt “Please input numbers:”(0 means siren, 9 means alarm relay), then press key **[Arm]** and host send open signals; press key **[Disarm]** and host send close signals.

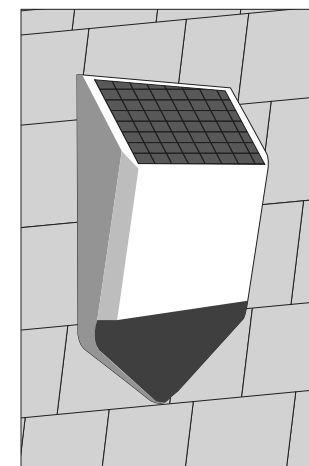
3.7.5.1 Code Match between Host & Wireless Strobe Siren

Code Match Method: In strobe siren standby mode, long press key **SET** until the alarm indicator lit constantly to enter learning state; Then on intelligent accessories page, input No. 0, press key **[ARM]** or **[DISARM]** , host will send signal as shown in picture 3-2; wireless strobe siren will beep twice and indicator flashes twice after receiving the signal, which means the code match successfully, then press the **SET** key of strobe siren to exit the learning state.

Check the Success of Code Match: after wireless strobe siren exit learning state, press key **[ARM]** or **[DISARM]** to switch **[Wireless Strobe Siren]** ON or OFF, if it’s OFF, strobe siren will beep “di di”; if it’s ON, siren will alarm , which means the host match code successfully with wireless strobe siren.



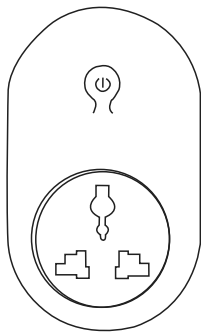
Siren J009



Solar Strobe Siren J1

3.7.5.2 Code Match between Host and Smart Socket

Code Match Method: In smart socket standby mode, long press key SET for 5s until the socket indicator light turns out to enter learning state; Then on intelligent accessories page, press key [ARM] or [DISARM] to switch smart socket ON or OFF, host will send signal ; Smart socket indicator light flashes twice, which means the code match successfully, then press the SET key of smart socket to exit the learning state. Check the Success of Code Match: after smart socket exit learning state, press key [ARM] or [DISARM] to switch smart socket ON or OFF, if it's OFF, smart socket lit RED; if it's ON, socket lit BLUE, which means the host match code successfully with smart socket.



Smart Socket

3.8 System Set

On main page, press key [UP/DOWN] to move the cursor behind [System Set] , then press key [OK] or number 3 to enter system set page, as shown in picture 3-3.

3.8.1 Delay Set

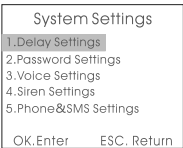
On system set page, put cursor on [Delay Set] , and press key [OK] or number 1 to enter delay set page, as shown in picture 3-3.

3.8.1.1 Delay Arm Set

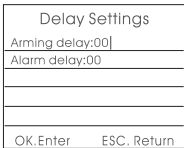
On delay set page, put cursor on [Delay Arm Time], input the delay time (00-99s), 00 means without delay, arming immediately, then press key [OK] to save setting, as shown in picture 3-4.

3.8.1.2 Delay Alarm Set

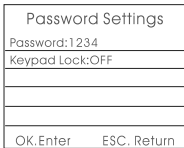
On delay set page, press key [DOWN] to move cursor behind [Delay Alarm Time], input the delay period(00-99s), 00 means without delay, alarming immediately, then press key [OK] to save the setting.



Picture 3-3



Picture 3-4



Picture 3-5

3.8.2 Password Set

On system setting page, press key [UP/DOWN] to move the cursor behind [Password Set], then press key [OK] or number 2 to enter password set page, as shown in picture 3-4.

3.8.2.1 System Password

On password setting page, input four digits new passwords in System Password (original password is 1234), press key [OK] to save.

3.8.2.2 Keypad Password

On password setting page, press key [DOWN] to move the cursor behind [Keypad Password Set], press key [MENU] to switch it ON or OFF and press key [OK] to save setting. If the lock function of keypad is open, host will lock when it enters into dormancy or alarm state. Unlock the keypad by inputting the password. The factory default is unlocked.

3.8.3 Voice Setting

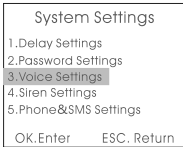
On system setting page, press key [UP/DOWN] to move the cursor behind [Voice Setting], then press key [OK] or number 3 to enter Voice Setting page, as shown in picture 3-6.

3.8.3.1 System Volume

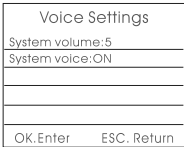
On voice setting page, put the cursor on [System Volume], input volume level 0-7, then press key [OK] to save the setting. 0 means mute during the operation to host, and 7 mean the largest volume, as shown in picture 3-7. The factory default is level 5.

3.8.3.2 System Voice

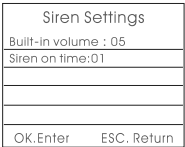
On voice setting page, press key [DOWN] to move the cursor behind [System Voice], press key [MENU] to switch it ON or OFF and press key [OK] to save setting. If switch it off, there is no voice prompt only button voice during operation. The factory default is on.



Picture 3-6



Picture 3-7



Picture 3-8

3.8.4 Siren Setting

On system setting page, press key [UP/DOWN] to move the cursor behind [Siren Setting], then press key [OK] or number 4 to enter Siren Setting page, as shown in picture 3-8.

3.8.4.1 Internal Siren Volume

On siren setting page, input volume level 0-7, then press key [OK] to save the setting. 0 means mute and 7 means the largest volume, as shown in picture 3-8. The factory default is level 5.

3.8.4.2 Siren Alarm Time

On siren setting page, press key [DOWN] to move the cursor behind [Siren Alarm Time]. The siren alarm time is between 0-20 minutes, then press key [OK] to save setting. 0 means mute, the factory default is 1 minute.

3.8.5 Phone Message Setting

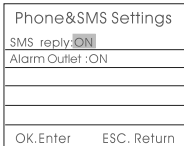
On system setting page, press key [UP/DOWN] to move the cursor behind [Phone Message Setting], then press key [OK] or number 5 to enter phone message setting page, as shown in picture 3-8.

3.8.5.1 Message Reply

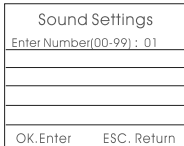
On phone message setting page, press key [MENU] to switch it ON or OFF and press key [OK] to save setting. If switch on, the host will send message to advise whether settings are correct when users do settings by message. The factory default is on.

3.8.5.2 Alarm Output

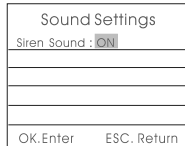
On phone message setting page, press key [DOWN] to move the cursor behind [Alarm Output], press key [MENU] to switch it ON or OFF and press key [OK] to save setting. If switch on, relay will shortcut output while the host alarming, COM and NO shortcut. The factory default is on.



Picture 3-9



Picture 3-10



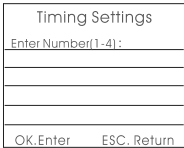
Picture 3-11

3.8.6 Alarm Output

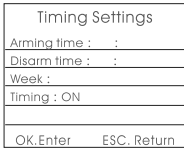
On system setting page, press key [UP/DOWN] to move the cursor behind [Remote Control Voice Setting], then press key [OK] or number 6 to enter setting page, as shown in picture 3-10. With the voice prompt “Please input numbers:”(No:01-99), then press key [OK] to enter next page; press key [MENU] to switch it ON or OFF and press key [OK] to save setting, as shown in picture 3-11. If switch it on, it means the remote control will sound “DIDI” when using this numbered remote control to arm and disarm. The factory default is on.

3.8.7 Scheduled Arm/Disarm

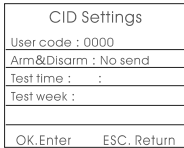
On system setting page, press key [UP/DOWN] to move cursor behind [Scheduled Arm/Disarm], then press key [OK] or number 7 to enter setting page, as shown in picture 3-12. With the voice prompt “Please input numbers:”, enter No between 1-4; then press key [OK] to enter next page; with voice prompt input scheduled arm time, scheduled disarm time. Move cursor behind scheduled switch, press key [MENU] to switch it ON or OFF and press key [OK] to save setting, as shown in picture 3-11. If switch it on, the host will automatically arm and disarm in preset time.



Picture 3-12



Picture 3-13



Picture 3-14

3.8.8 Scheduled Arm/Disarm

On system setting page, press key [UP/DOWN] to move cursor behind [Network Center Setting], then press key [OK] or number 8 to enter setting page, as shown in picture 3-14.

3.8.8.1 User Area Code

On remote control voice setting page, input four CID code in [User Area Code], press key [OK] to save setting. The factory default is 0000.

3.8.8.2 Arm/Disarm Upload

On remote control voice setting page, press key [DOWN] to move cursor behind [Arm/Disarm Upload], press key [MENU] to switch [Not Upload] / [Arm Upload] / [Disarm Upload] / [Arm/Disarm Upload], press key [OK] to save setting. The factory default is [Not Upload].

3.8.8.3 Self Test Time

On remote control voice setting page, press key [DOWN] to move cursor behind [Self Test Time], input self test time, press key [OK] to save setting.

3.8.8.4 Self Test Week

On remote control voice setting page, press key [DOWN] to move cursor behind [Self Test Week], input any week no. 1234567, press key [OK] to save setting.

3.8.9 Low Battery and Anti-tamper Setting

On system setting page, press key [UP/DOWN] to move cursor behind [Low Battery and Anti-tamper Setting], press key [OK] or number 9 to enter setting page, as shown in picture 3-15..

3.8.9.1 Back Light Power Saving

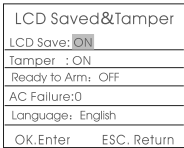
On low battery and anti-tamper setting page, on the item [Back Light Power Saving], press key [MENU] to switch on or off and press key [OK] to save setting. If switch it on, TFT color display will close to save power. The factory default is open.

3.8.9.2 Anti-tamper Switch

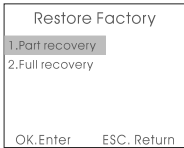
On low battery and anti-tamper setting page, press key [DOWN] to move cursor behind [Anti-tamper Switch], press key [MENU] to switch on or off and press key [OK] to save setting. If switch it off, the host will not alarm if anti-tamper switch is triggered. The factory default is open.

3.8.9.3 Illegal Arm

On low battery and anti-tamper setting page, press key [DOWN] to move cursor behind [Illegal Arm], press key [MENU] to switch on or off and press key [OK] to save setting. If switch it on, the host cannot arm if it fails to receive the signal sent by sensor closure. The factory default is close.



Picture 3-15



Picture 3-16



Picture 3-17

3.8.9.4 Power Off Setting

On low battery and anti-tamper setting page, press key [DOWN] to move cursor behind [Power Off Setting] , input 0-5, press key [OK] to save setting. 0 means close prompt function, 1 means AC off, 2 means dialing, 3 means dialing siren, 4 means dialing linkage, 5 means dialing+siren+linkage, The factory default is 0.

3.8.10 Restore Factory Setting

In the system setting page, press [up/down] key to move cursor to the [Restore Factory Settings]. Then, press [OK] button or press key [0] directly to enter into the Restore Factory Setting page, as shown in Figure3-16.

3.8.10.1 Partial Restoration

After entering into Restore Factory Setting page, press [OK] button, the host will remind whether to restore factory settings. After restoring factory setting, the remote controls and detectors added before would not be deleted, but all the other parameters will be restored to the factory state.

3.8.10.2 Full Restoration

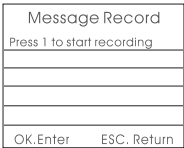
After entering into Restore Factory Setting page, press [2] key and then long press [OK] key until a host reboot is completed. In this situation, all the remote controls and detectors will be deleted and all the parameters will be restored to factory state, as shown in Figure3-17.

3.9 Recording Setting

Host will play the preset recording after dialing the preset alarm number. And the recording setting method is as below:



Picture 3-18



Picture 3-19



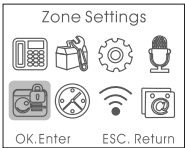
Picture 3-20

On main menu. as shown in picture 3-18, press [UP/DOWN] key to move the cursor at [Recording] , then press key [OK] or number 4 directly to enter recording setting page, as shown in picture 3-19; On recording setting page, press key [BACK] to return to the main menu; Press any key to start recording. The recording time is 10s, as shown in picture 3-20. The recording should be brief, e.g. “This is XXX’s house, it’s intruded illegally, please help”.

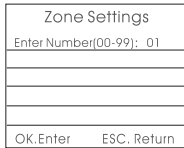
Host will exit automatically after 10s, and user can press any key to end recording during recording process.

3.10 Zone Management

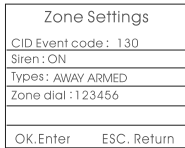
On the main menu page, as shown in Figure 3-21, press [Up / Down] key to move the cursor to the zone management. Press [OK] button or press number 5 directly to enter zone management page, as should in Figure 3-22. Then input the zone number (1-99) and press [OK] to enter the next level menu. Zone attribute setting mainly includes networking feature code setting, built-in siren on/off setting , zone type setting, dialing group when alarming and wired zones open/closed alarms, etc as shown in Figure 3-23. The setting is as follows:



Picture 3-21



Picture 3-22



Picture 3-23

3.10.1 Network Even Code

After entering next level menu, input event code in the Networking Event Code. 100 means medical aid, 110 represents fire, 121 denotes robbery, 122 denotes a noiselessly rob, 130 represents burglary, 131 denotes the perimeter burglary, 151 denotes gas leakage. Press [OK] to save.

3.10.2 Internal Siren On/off

After entering the next menu, press [Down] key to move the cursor to [Alarm alerting] .Press [Menu] key to switch ON and OFF and then press [OK] to save. If you select Off, it indicates that host will not alert when the detectors in that Zone receives alarms.

3.10.3 Set Zone Type

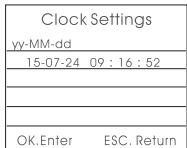
After entering the next level menu, press[DOWN] key to move cursor to [Zone Type]. Press [Menu] key or press numbers directly to select: **[1]** Normal, **[2]** Stay, **[3]** Intelligent, **[4]** Emergency, **[5]** Close, **[6]** doorbell, **[7]** Welcome, **[8]** Help the Senior, then press key[OK] to save.

3.10.4 Set Sub Zone Dialing

After entering the next menu, press [Down] key to move the cursor to [Zone Dialing]. Input user number when this Zone alarms. It can be any desired phone groups among 123456, but if the zone type is for [Help the senior], the group is fixed to help number and can’t be set, then press [OK] to save.

3.11 Clock Management

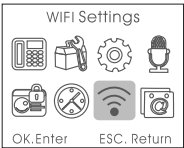
On the main page, press [Up / Down] key to move the cursor to [clock management], then press the [OK] button or press number 6 to enter clock management page. Press [Menu] button to switch the display format of the date, and press [Up / Down] key to switch among year, month, date, hour, minute and second; Press numeric key to input the numbers then press [OK] to save, as shown in Figure 3-26.



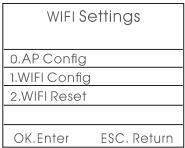
Picture 3-26

3. 12 WIFI Configuration

In the main page, press [Up / Down] to [WIFI configuration], then press [OK] button or press the number 7 to enter WIFI configuration page, as shown 3-27, when configuring WIFI, Please press W181 keypad number 0 (AP configuration) 1 (intelligent configuration), if you want to cancel all users, please press keypad number 2, as shown 3-28.



Picture 3-27



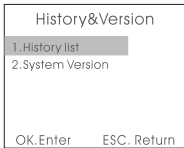
Picture 3-28

3.13 Check Records

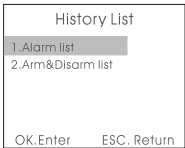
On the main page, press [Up / Down] to [Version Records], then press [OK] button or number 8 into checking version records page, as shown 3-29, 3-30 [Record query] includes alarm records and arm/disarm records, 3-31 [Version query] you can see the model, software version number and IMEI code of GSM module.



Picture 3-29



Picture 3-30



Picture 3-31

3.13.1 Alarm Records

On [Check Records] page, press [OK] key to enter [Alarm Records], as shown in picture 3-32. Press key [UP/DOWN] to check alarm records. At most 102 records can be saved, and each record includes information like record number, alarm date, time, zones etc.

3.13.2 Arm/Disarm Records

On [Check Records] page, press [UP/DOWN] key to move the cursor to [Arm/Disarm Records] and press [OK] or number 2 to enter [Arm/Disarm Records] page, as shown in picture 3-33. Pres[UP/DOWN]to check Arm/ Disarm records. As most 72 records can be saved, and each record includes information like record number, Arm/Disarm date, time and mode, etc.

3.13.3 Check Product Version

On main menu page, as shown in Figure 3-34, press [UP/DOWN] to move the cursor to [Check Product Version] and then press [OK] or number 8 directly to enter to the version checking page. Users can see the model number of the product, software version and GSM module IMEI code, as shown in Figure 3-34.

Alarm list
001 History
Alarm date :
Alarm time :
Alarm zone :
OK.Enter ESC. Return

Picture 3-32

Arm&Disarm list
001 History
Date :
Time :
Status :
OK.Enter ESC. Return

Picture 3-33

System Version
Ver : ERDFI548645485
IMEI : 86719021261619
MAC :150206K6
OK.Enter ESC. Return

Picture 3-34

Chapter 4: SMS Setting and Command Chart

In addition to set parameter through host menu, SMS or Faction Message can also set host parameters. The form is as below: **【System Password】** + **【Command Number】** + parameter 1+parameter 2+parameter 3+parameter 4. All commands begin with system password, and 1234 is system's initial password. Users can change system password and since then, users should use the modified password, or host will not response to the commands.

NO.	Name	Command No.	Parameter1	Para. 2	Para. 3	Para. 4	Example
1	Disarm	0				#	12340# Disarm
2	Arm	1				#	12341# Arm
3	STAY	2					12342# STAY
4	Relay ON	3					12344# Relay ON
5	Relay OFF	4					12345# Relay OFF
6	Check host general parameters	11				#	123411# Check host voice volume, Siren's state, etc

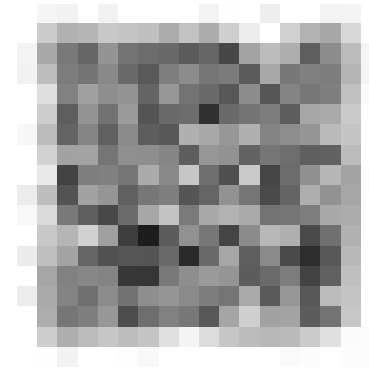
7	Set phone No.	3	1~9 Group 1-6 is common number; 7-9 is the senior help number	13899998888 (User can set 31 as the number)	#	12343113899998888# Set first group phone number
8	Delete Phone No.	3	1~9		#	123435# Delete 5th Phone No.
9	Check phone No.	30	01~09, 1-9 group		#	12343008# Check 8th Phone Number
10	Set SMS number and central number	4	1~8; Group 1~6 is SMS number; 7~8 is central number	13899998888 (User can set 31 as the number)	#	12344113899998888# Set first group phone number
11	Delete Phone No.	4	1~8		#	1234435# Delete 5th Phone No.
12	Check phone No.	40	01~08, 1-8 group		#	123443008# Check 8th Phone Number
13	Set system password	50	Four any figure among 0-9		#	1234509876# Set user password as 9876
14	Delay Arm period setting	51	00-99		#	12345130# Set Delay Arm Period as 30s
15	Delay Alarm Period setting	52	00-99		#	12345230# Set Delay Alarm Period as 30s
16	Set Alarm Siren Period	53	00-20 Minutes			12345305# Set Alarm Siren Period as 5 Minutes
17	Date /Time setting	56	20150520	203000	#	12345620150520203000# Set time as 2015//20/20:30:00
18	Check system time	56			#	123456# Check system time
19	Arm/Disarm at fixed time	57	01-04; 01-04 group fixed time		#	12345770170800180012345# Set the first fixed time, Arm automatically at 8:00 form Monday to Friday, disarm at 18:00
20	Check Arm/Disarm at fixed time	57	01-04; 01-04 group fixed time		#	12345701# Check the first group of time for Arm/Disarm
21	Set Zone Attributes	60	01~99; 01-99 Zone	1-Normal Zone 2-STAY Zone 3-Intelligent Zone 4-Emergency Zone 5-Close Zone 6-Doorbell Zone 7-Welcome Zone 8-Help The Senior Zone	1-Siren on when alarming 2-Siren off when alarming	# 1234601880# Set zone 18 as Help the Senior Zone, Siren doesn't alert when alarming.

22	Check Zone Attributes	60	01~99; 01-99 Zone				12346001# Check 01 Zone Attribute
23	Set Network Feature Code	64	01~99; 01-99 Zone	100-Medical treatment 110-Fire 121—Robbery 122-Silence Rob 130-Burglar 131-Surrounding 151-Gas		#	12346438151# Set Zone 38 as Gas zone
24	Set system volume	79	1~7			#	1234793# Set Alarm Volume Level as 3
25	Set Zone Alarm SMS Message Content	80	01-99; 1-99 Zone	ABCEFG; SMS Contents (less than 25 characters)		#	12348060 Front door is open# Set Zone 60 Alarm Message Content as "Front door is open"
26	Check Zone Alarm SMS Message Content	81	01-99; 1-99 Zone			#	12348160# Check Zone 60 Alarm Message Content
27	Set LCD powering saving ON/OFF	84	0—ON 1—OFF			#	1234840# Set LCD always ON
28	Set Built-in Siren volume	87	0~7			#	1234873# Set Built-in Siren volume as 3
29	Set Arm/Disarm Upload Center	91	0-No upload 1-Arm upload 2-Disarm upload 3-Arm and Disarm upload			#	1234911# Set Arm Upload
30	Set Network CID Number	92	0~9 any four digital CID Number			#	1234929988# Set CID No. as 9988
31	Set Network Self-test time	94	0800; Time	1234567 Week		#	12349401007# Set self-test with the center at 01:00 on every Sunday.
32	Restore Factory Reset	9898	0800; Time				12349898#

Notice:"1234" in above chart indicates system password. User should use the new password is the user has change the password.

Chapter 5:APP remote control

Scan the QR code, or search for "TUYA SMART" in App store or Android mobile phone market to download and install.



Register

To open the "Tuya smart" app for the first time, users need to register an account:

Network access configuration

Intelligent connection

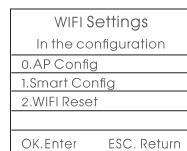
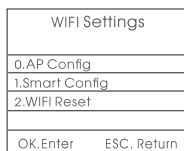
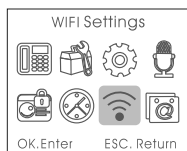
1. connect the WiFi router in your home first, make sure that the WiFi router can connect to the external network normally, enter the app **[all devices]** page, click the **[add device]** icon, select the WiFi connector in the other page, enter the WiFi input page, then enter the WiFi secret code, and click **[confirm]** to enter the start configuration page.

Smart connection

1. Connect the mobile phone to the WiFi router at home first, make sure that the WiFi router at home can connect to the Internet normally, enter the app **[all devices]** page, click the **[add device]** icon, select the **[WiFi connector]** in the "other" page, enter the WiFi input page, then enter the WiFi code, and click **[confirm]** to enter the start configuration page.



2. Press the main menu key to enter the main page, then press the [up / down] key to move the cursor to the [LAN] , press the [OK] key or directly press the number key [7] to enter the LAN page. Press the number key [2] to disconnect the connected WiFi network; Press the number key [1] to enter the network configuration state.



Note: network access configuration must be carried out in the same WiFi .

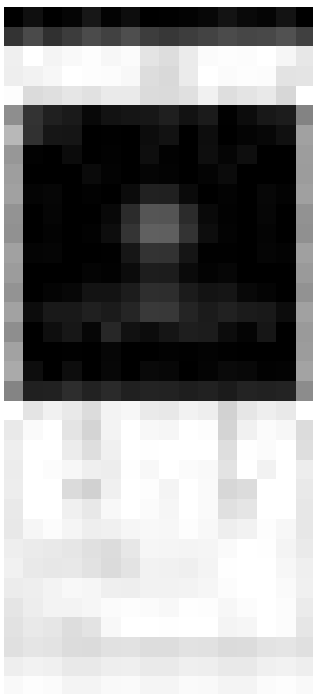
AP connection

First connect the mobile phone to the hot WiFi emanating from the device, and then input the WiFi name and password that the device will be connected to, and then configure the device to access the Internet.

1. Please ensure that the equipment works normally (it is not in "alarm" or "low power" state at present),
 2. Enter the app [all devices] page, click the [add device] icon, and select [WiFi connector] in the "other" page,
 3. On the [add device] page, click the [hot distribution network (compatibility mode)] in the upper right corner to enter the AP configuration page. The app will jump to the WiFi connection configuration page of the mobile phone, press the host menu key to enter the main page, and then press the [up / down] key to move the cursor to the [LAN], press the [OK] key or directly press the number key [7] to enter the LAN page. Press the number key [3] to enter the AP network configuration state, and the WiFi module of the host starts to distribute a WiFi hotspot. According to the prompt on the app page, connect the WiFi hotspot distributed by the host (the name of the WiFi hotspot distributed by this button: smarlife-xxxx, no password). After connecting the WiFi hotspot of the button, return to the app operation page and enter the AP connection page.



On the app start configuration page, app and equipment are configured. When the equipment is successfully configured, it will automatically jump to the [add equipment success] page, and select the name of the equipment, such as the living room. Click the "Arm/Disarm" of the host on the app page to enter and operate the host, and query the operation history.



Chapter 6: Receiving Alarms and Remote Control

6.1 Handling method after receiving alarm:

When there is an alarm, the host will automatically dial the telephone number set before and alerting according to the setting. If the phone line of the owner is busy or cannot be connected, the system will dial the next pre-set number automatically. The system will dial the preset phone number three times. After receiving the alarm call, it will play the preset recording. The user doesn't need to enter a password. The following is the corresponding operation when pressing the figures on phone:

Key [1]: Arming Key[2]: Disarming
Key [3]: Monitoring On Key[4]: Monitoring Off
Key [5]: Speaker On Key[6]: Speaker Off
Key [7]: Siren On Key[8]: Siren Off
Key [9]: Ganged Socket On Key[10]: Ganged Socket Off
Key [*]: Exit and hang up. The system would not dial next phone number.

Note: both monitoring and speaking time are 20 seconds. Press [3] key to continue monitoring. Press [5] to continue speaking within 20s.

6.2 Remote control operation method

User can use any phone to call the phone number of the phone card on the host. After a ringing cycle the host will automatically get through. After hearing prompt, enter password (host factory default is "1234", there would be a prompt when imputing the wrong password. The system will automatically hang up if the third time is still incorrect). You will hear a prompt when password is correct. Then, press following keys to control the corresponding functions:

Key [1]: Arming Key[2]: Disarming
Key [3]: Monitoring On Key[4]: Monitoring Off
Key [5]: Speaker On Key[6]: Speaker Off
Key [7]: Siren On Key[8]: Siren Off
Key [9]: Ganged Socket On Key[10]: Ganged Socket Off
Key [*]: Exit and hang up. The system would not dial next phone number.

Note: both monitoring and speaking time are 20 seconds. Press [3] key to continue monitoring. Press [5] to continue speaking within 20s.

Chapter 7: Technical Parameters

7.1 Technical Parameters

Input Voltage: USB 5V

Standby Current: <60mA

Alarm Current: <300mA

Wireless Frequency: 433MHz

GSM Standard: Support GSM850/900/1800/1900MHz

WIFI module: Support 2.4G wireless WIFI

Backup Battery: 3.7V 800mA Lithium Battery

Standby hours: 8h

Alarm Loudness: 80dB

Wireless distance: 100 meters (in open area)

7.2 Factory default zone type

Normal Zone	STAY Zone	Intelligent Zone	Help the Senior Zone	Doorbell Zone	Welcome Zone	Emergency Zone
01-59 Zone	60-79 Zone	80-89 Zone	90 Zone	91 Zone	92 Zone	93-99 Zone

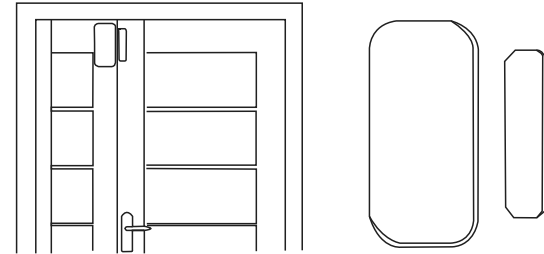
7.3 System factory default

System Password	1234	SMS Message	ON
Remote control	ON	Remote Alarm	ON
Alerting time	1 Minute	Delay Alarm	0 Seconds
Delay Arm	0 Seconds	1-99 Zone Alarm	Alarm Alerting
1-99 Zone Alarm Message	XX Zone Alarm		

Chapter 8: Install Detectors

8.1 Installation and Usage of Door Sensor

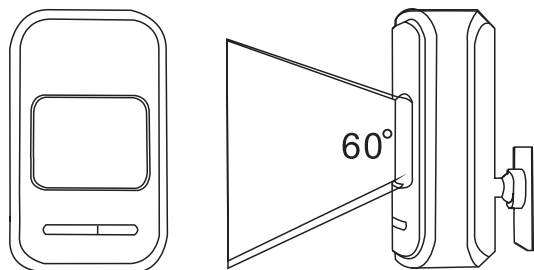
Door sensor is used for sensing the closing and opening state of the door, and is consisted of transmitter and magnet two parts. It can be installed on doors, windows or any object that can be closed and opened. When transmitter is separated from the magnet, door sensor will send alarm signal to alarm panel, host will alarm.



The door contact should be installed on the movable door or windows. Firstly, make the installation position clean. Take out wireless door sensor, and then stick the double faced adhesive tape on the bottom. The installation should note the following items:

1. The door sensor part A (transmitter) and part B (magnet) should be installed separately, that is, A on fixed door and B on movable door.
2. A and B should be in the same vertical line and the distance between A and B should not be greater than 1 cm.
3. After the installation, the indicator light flashes for 1s as the door open, that means the door sensor is installed successfully.
4. The indicator lighting for 1 second means alarm. The indicator in constant light is a suggestion of low power.
5. A, B can also be reinforced by screws, (A: remove the bottom cover, strengthen the screw and then cover the bottom again; B can be directly fixed by the screw.)

8.2 Installation and Use of PIR Motion Detector



Before use, make sure the power switch of PIR motion sensors is on. Installation height is about 2.2 meters above ground and it should be installed in the corner of the room to get the best detection range. At the same time, it should form a certain angle with the walking line (90 degree angle is best for detection).

Installation:

Talk out the supplied bracket; insert the bracket to the slot. Take out the pedestal and fix it with two screws on the wall. Press the PIR with bracket into the center hole of the pedestal. And then adjust the best angle of detector. (This method is suitable for project installation)

Attention:

1. The detector should not face the outside of window directly.
2. There should be no any big objects for obstruction within coverage of detection.
3. There should be no two infrared detectors in the same space as they will possibly intervene with each other.
4. Avoid facing window, cooling or warming machine, stoves, or other appliances that cause temperature changing sharply, which may cause false alarm.
5. Infrared detector should be used indoor only.

Chapter 9:Troubleshooting

Troubleshooting	Reasons	Methods
1, Nodialing for alarm	1. Not arming 2. alarm phone unset 3. parts improperly installed, distance too far 4. code not match	1. do arming operation 2. re-set according to the instruction book 3. adjust the location of parts 4. re-coding
2, Can't remote operate	1, input wrong password	1, Correct password or change to a new password
3, Host can't read SIM card or don't dial and text to preset alarm phone number	1, No SIM card 2, PIN code is set for SIM card 3, bad GSM signal 4, SIM card has scratched copper 5, Alarm phone number unset 6, Message Alarm number unset 7, Card balance is insufficient or out of date 8, Message function is OFF	1, Insert SIM card 2, Cancel PIN code 3, change to a strong signal place 4, change to a normal SIM card 5, set alarm phone number 6, set message alarm number 7, charge SIM card 8, activate the message function
4, remote controller not work	1. coding unmatched with the host 2. insufficient power 3. battery pieces poor contact or corroded 4. unmatched with host	1. re-coding 2. change battery of the same type 3. eliminating the dirt on the pieces caused by corrosion 4. contact the local dealer to change the matched remote controller
5, remote controller not work	1. coding unmatched with the host 2. insufficient power 3. battery pieces poor contact or corroded 4. unmatched with host	1. re-coding 2. change battery of the same type 3. eliminating the dirt on the pieces caused by corrosion 4. contact the local dealer to change the matched remote controller
6, PIR sensor not work	1. coding unmatched with the host 2. insufficient power 3. battery pieces poor contact or corroded 4. unmatched with host	1. re-coding 2. change battery of the same type 3. eliminating the dirt on the pieces caused by corrosion 4. contact the local dealer to change the matched remote controller
7, no sound from siren	1. Siren plug or jack have short circuit or disconnection 2. Plug cord has open circuit 3. Siren is off	1. Fix or change the plug or jack 2. Change the plug cord 3. Set siren alarming time on the host

8, The transmitter distance for host is shortened	1. a nearby emitter is sending signal 2. The host receiver stops work 3. Power supply of standby battery of the host is insufficient	1.find the interfering source and eliminate it 2.send the host back to the factory for repairing 3.check whether the power supply is plugged well
9, Keep alarming when host is on	Telephone line is not connected and disconnection alarm function is open	Connect the phone line and close the disconnection alarm function.