

## Home alarm system



## User's manual

### Profile

To better understand this product, please read the user's manual carefully before using.

### Features;

1. 1-99 LED wireless defense zone , with digital number to show the defense zone, and with keypad on panel
2. Auto-dial six telephone numbers when alarming.
3. Can set the home arm and away arm functions.
4. Every defense zone can set independently arm, disarm, delay alarm and so on
5. Have the password protection
6. Can arm/disarm/listen-in by calling the host phone number

7. can code 99 wireless detectors in total.
8. With built-in backup battery, still work when power failure

### Brief introduction of system

This alarm consists of main engine of alarm and various wireless-connected accessories. When people enter the defense region illegally, the main engine will give sound of sirens and call the hosts, so hosts can return home or inform neighboring relatives to cope with the instantly. Also, they can monitor the sound on the spot.

### Alarm installation

Insert the plug of telephone outside line into LINE2 of the main engine and connect LINE1 of the main engine with telephone using attached telephone wire of alarm. Then joint up the power source and warning signal; meanwhile the main engine will give a sound of “B” and light of the power source goes on, which means the main engine starts working.

### Gate magnetism installation

Use the random equipped double-side tape to stick a magnetic stripe on the door and affix the gate magnetic emission box on the doorframe. Pay attention to put the magnetic strip close to the side with indicator lights of the emission box during installation, assuring proper alignment and the smaller distance the better.

### Infrared detector installation

The principle of infrared detectors is to sense people’s movement through sensing infrared signals generated by bodies and the detection range is usually 5-12 meters. Infrared sensor should be installed about 2.2 meters away from ground. Aim straight at the detection ranges. Moreover, the infrared detector can be only installed in the room, without facing the sunshine, windows and other places where temperature is easy to change, because the installed location may influence the detection range and accuracy.

### **Function settings**

All the settings can be carried out under the undefended situation with a long ring for

all the proper operations while two short sounds for wrong settings.

**Silent alarm # 0 0 #** no alarm whistle for warning

**Vocal alarm # 0 1 #** alarm whistles for warning

**Set up common alarm telephone numbers # (1~5) ?...? #** set 1-5 groups  
telephone number, “1-5” is the ordinal of the telephone number;  
“?...?”stands for telephone numbers.

**Set up emergency phone numbers # 6 ?...? #** The same method as above,  
press alarm button of the main engine and the remote alarm button  
will call this group number.

**Delete telephone numbers # (1~6) #** Delete all the selected group telephone numbers.

**Set up alarm delay # 7 ?? #** set up delay warning time in the delay mode zone,  
in seconds. Here, “??” stands for the number of seconds within the range between 0  
and 99.

**Alarm ringing time # 9 ?? #** The alarm ringing time without human  
intervention after warning, Here, the range of “??” is between 0 and 30 minutes.

**Inquiry alarm defense area 0-9** Directly press 0-9 to inquiry the 10 latest  
alarm events and display alarm defense area (0 means the latest one).

**The state of setting up defense area # 8 ? ? (0~7) #** Here,“??” stands for the  
serial number from 0 to 99. (0-7) designates the setting mode of selected defense area.

**0=not use, 1=common defense area, 2=intelligent defense area, 3=emergency  
defense area, 4=multi-checked defense area, 5=delay-alarm defense area,  
7=repeat triggered defense area.** For example, press # 8 2 2 # then you can set up  
defense area 2 as the intelligent area.

**Note: When you input “99”, it means all the wireless defense  
area will work according to this mode.**

**Emergency defense area:** No matter under the defended or  
undefended situations, once triggered it will report to the police  
immediately, which is suitable for the gas reaction, smog reaction,  
safe, emergency accesses and other special occasions.

**Intelligent defense area:** After selecting an area as intelligent defense one, **the defense area is not effective (it is still effective under the normal defense area)**, which is suitable when hosts at home, because indoor infrared alarm function is canceled, while the gate magnetisms on the door and window are still in a state of monitoring.

**Multi-checked defense area:** Under the situation of defense or intelligent defense, if two or more detectors that set up multi-checked **are all triggered within 30 seconds**, the main engine will give an alarm. Therefore, based on this pattern, none of the infrared detectors will misinform the events.

**Note: Set up two or more than two defense areas to be multi-checked and they should be set up respectively.**

**Delay alarm defense area:** When the defense area is triggered and need alarm, the main engine can delay the alarm (the concrete delay time is determined by the “**Setting up alarm delay**”); moreover, the warning behavior can be canceled during delayed time.

**Delete defense area:** It means delete selected defense areas (only for wireless defense areas). **Note: when you input # 8 99 6 #, all of the wireless defense areas will be deleted.**

**Repeat triggered defense areas:** When the detector is triggered once, the system will not alarm immediately. Only **when it is triggered again within 5-30 seconds** after the first trigger, the system will alarm.

The selection of common defense area and intelligent defense area has no influence of choosing Mode 4, 5, 6, so you choose intelligent or common defense area, while selecting anyone of Mode 4, 5, 6 at the same time. However, when you reselect Mode 1, 2, 3, Mode 4, 5, 7 will be cleared.

**Input password \* password \*** (The designing password is: 0000, which

can be changed to another four numbers as the password)

**Learning remote controller \* 0 \*** The intelligent learning remote controller of main engine begin to count down 10 seconds When the remote or detector is triggered in 10 seconds, the main engine can distinguish automatically and give a long sound, presenting the location of remove memory, which means successful study(**All of the code learning method is the same**).

**Learning detector \* 0 1 \*** the intelligent learning remote controller of main engine. Learning method is same as above.

**Designated serial learning detector \* 8 ? ? \*** Connect learning detector to the designated defense area number and ?? is the defense number. For example, if you want to designate a detector to Defense Area 16, only input “\* 8 16 \*”.

**Delete all of the remote controllers \* 0 2 \*** means delete all of the remote controllers.

**Delete all of the defense area detectors \* 8 99 7 \*** means delete all of the defense area detectors.

**Use remote controller to open and close the alarm sound**

**\* 2 1/0 \*** Alarm sounds for opening while buzzer sounds for closing.

**Open crack-proof function \* 3 1 \*** Open this function, then none of the wireless remote controllers can cancel defense (except for the cancel defense button of the main engine).

**Close crack-proof function \* 3 0 \*** Close this function, then remote controller of main engine can cancel defense normally.

**Delayed time of setting up defense** Inputting \* 4 ?? \* can start the delayed time of setting up defense, which means the formal defense will begin after ?? seconds when you press the button. Here, the range of “??” is between 0 and 99. Although it is in the state of delayed defense, it can enter defense situation immediately if you repress the defense button,

**Open the alarm function when telephone lines disconnect \* 5 1 \*** When phone lines disconnect or failure, it will give alarm rings to inform.

**Close the alarm function when telephone lines disconnect \* 5 0 \*** means main engine will not detect telephone lines disconnection or fault.

**Remote setup telephone ringing times \* 6 ? \*** If the ring times calling local fixed-line telephone above the setting times, it will connect remote server automatically. Here, “?” is the setting ring times, **while “0” means no remote setup.**


**Modify passwords \* 7 new password (4 numbers) new password (4 numbers) \*** Use it when keyboard is locked and you forget password at the same time.

**Recover factory settings \* 8 password \*** The system will recover factory settings (Clear telephone numbers, vocal alarm, alarm sounds, cancel alarm, delayed setting defense, close the function of detecting disconnected telephone lines, alarm ring time last for 5 minutes).  
The instruction can not delete remote controller and defense area.


**Password protection on the keypad** The system has no password protection from factory, people can arm/disarm the system on panel without password. If the people want to have this function, the command is **\*11\***, after this, need to enter **\*password\***, the original password is 0000, then enter **\*0000\*** before arm and disarm. To close this function by command: **\*10\***

## **Application of alarm system**


### **1. Set up defenses**


Press “” button on remote controller or “Set up defenses” button on panel and the main engine will give a sound of “B”, then the main engine enter the defense situation or delayed defense state.

### **2. Cancel defenses**


Press “” button on remote controller or “Cancel defenses” button on panel and the main engine will give two sounds of “B”, then the indicator lamp dies out, so the main engine is in a state of no defenses.

### **3. Emergency alarm**

Press “” button on remote controller or “Alarm” button on panel, main engine will enter the state of emergency alarm instantly, calling automatically and siren going off.

Press “” button on remote controller once is silent alarm, while long press or two presses will open the siren.

#### **4. Intelligent defenses**

Press “” button on remote controller or “Intelligent” button on panel, then main engine will enter the state of intelligent defense or delayed defense.

#### **5. Status indication of main engine digital tube**

Indicate “**SF**” for defense, “**CF**” for no defense, “**99**” for emergency alarm, “**bF**” for intelligent defense. “**F1**” for alarm when telephone lines disconnect, “**F3**” means there is no learning defense area, **1-98** means wireless defense area, **L1-L8** means wired defense area.

#### **6. Operation methods of remote setup**

You can use any telephone to dial the numbers of main engine and it will put on automatically after system detecting the ring times you have been setup. When you hear the beep, input passwords (two sounds when the password is wrong, while when the wrong time is above 3, the phone will hang up automatically), the original password is 0000, and if it is correct, you can have remote control of the system.

Please press # after accomplish all operations, then you can implement other operations and hang up telephone.

Press “1” to monitor the scene    Press “2” to ring alarms    Press “3” to close arisen  
Press “4” to arm    Press “5” to disarm

If the password is wrong or no any operations within 20 seconds, it will hang up automatically.

Press “1” button once you can listen for 20 seconds

#### **7. Processing method after receiving alarm**

In case of emergency, main machine will dial the setup telephone numbers automatically and give alarm rings based on settings. If the host’s phone is in use or not able to connect, the system will dial next alarm phone, until it is dialed and hosts

confirm.

Press “1” to monitor the scene    Press “2” to ring alarms    Press “3” to close arisen

Press “4” to arm    Press “5” to disarm

## Standard components

1 the main panel  
1 wireless PIR detector  
1 wireless door/window detector  
1 siren  
2 remote controllers,  
1 adaptor  
1 phone line  
1 instruction manual

## Technical Parameters

### Main panel

Operating voltage: DC9V  
Average power: AC/DC exchanger 2A.  
Wireless receiving distance:  $\leq 100M$   
Operating Frequency: 433.92  
Operating voltage: 9/12V/220/110VAC

Outer Alarm Siren Volume: 110 db  
Working Condition: Temperature  $- 10^{\circ}C \sim + 40^{\circ}C$   
Humidity  $\leq 90\%$   
Capacity for Wireless Device: 160

### Wireless door/window Detector

Power Supply: DC12V(inner 9V battery)  
Static Current:  $\leq 20 \mu A$   
Transmission Current:  $\leq 15mA$   
Transmission Frequency: 315/433MHZ $\pm 0.5MHZ$   
Transmission Distance: No obstacle 80m  
Interval Distance: 15 mm  
Working Condition: Temperature  $- 10^{\circ}C \sim + 40^{\circ}C$   
Humidity  $\leq 90\%$



### **Wireless P.IR Detector**

Power Supply: DC9V (inner 9V battery)

Static Current:  $\leq 100 \mu\text{A}$

Transmission Current:  $\leq 20\text{mA}$

Transmission Frequency:  $315/433\text{MHZ} \pm 0.5\text{MHZ}$

Transmission Distance: No obstacle 80m

Detective Speed:  $0.3 \sim 3\text{m/s}$

Detective Distance:  $5 \sim 12\text{m}$

Detective Range: Horizontal  $110^\circ$  Vertical  $60^\circ$

Working Condition: Temperature  $-10^\circ\text{C} \sim +40^\circ\text{C}$

Humidity  $\leq 90$

### **Remote Controller**

Power Supply: DC9V (inner DC9V battery)

Static Current: 0

Transmission Current:  $\leq 15\text{mA}$

Transmission Frequency:  $315/433\text{MHZ} \pm 0.5\text{MHZ}$

Transmission Distance: No obstacle 80m

Working Condition: Temperature  $-10^\circ\text{C} \sim +40^\circ\text{C}$

Humidity  $\leq 90$