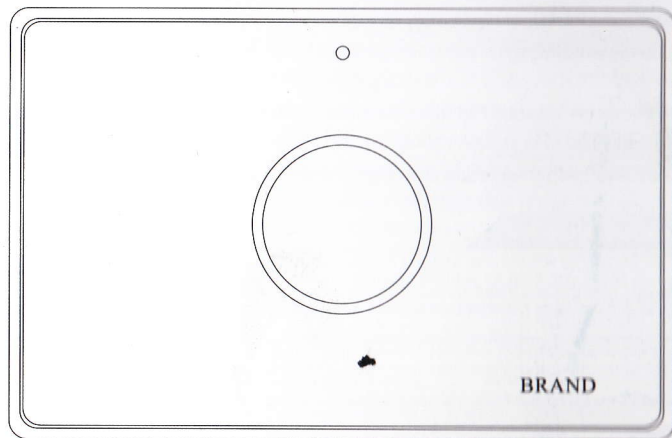Intelligent Burglar Alarm System

BRAND

A1

Intelligent Burglar Alarm System
User Manual

Contents

Features of the alarm host

◆ The alarm host supports two way voice communications

◆ The alarm host can turn on/off 6 intelligent remote control switches by short message commands or mobile phone APP.

◆ Wireless equipment triggering can turn on 6 intelligent remote control switches

◆ Can store 3 groups of short message alarm notice numbers and 5 groups of phone call alarm notice numbers

◆ Alarm host can expand to 50 wireless equipment and 10 wireless remote controllers

◆ Alarm host can connect to 2 groups of wired equipment

◆ The names of wireless defense zones can be personalized named to make the positions much clearer

◆ Both mobile phone APP and short message commands make the operation easier

◆ Alarm host has built-in siren

◆ Supports short message reminder when the wireless equipment are in low voltage or the host is powered on or powered off

◆ Built-in rechargeable 7.2V/1000mAh lithium-ion battery can last for more than 12 hours for normal working of the alarm host after main power is shut down

◆ Can turn on the lamp, TV or other electric devices automatically to frighten the burglar when the alarm is activated and the light in the room is dim

BRAND
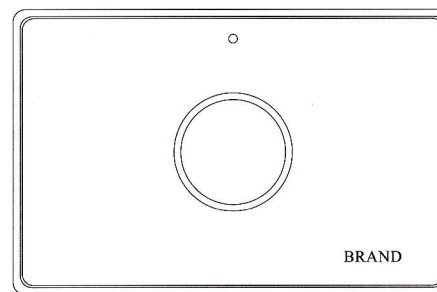
Introductions of the alarm host

Alarm host

It is the "brain" of the whole alarm system, it can receive and process the signals from detectors, the built-in siren will ring when alarm is activated, and will notice the family through dialing the preset mobile phone numbers or telephone numbers at the same time. Users can control the alarm system through remote controller, short message command or mobile phone APP to deal with the alarm.

BRAND
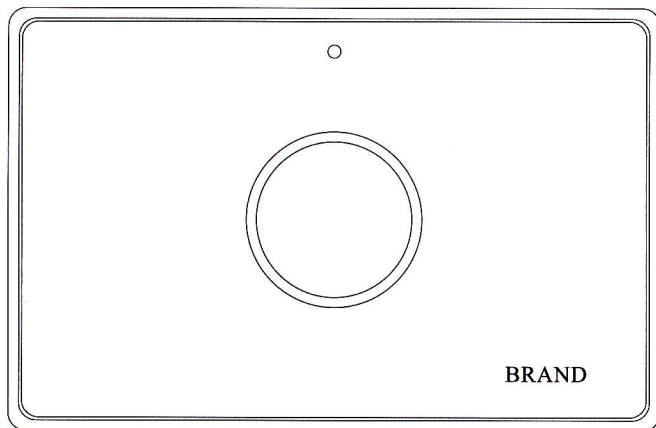
Wireless remote controller

When leaving home or before entering the home door, you can arm or disarm the alarm system through remote controller. When emergency happens, press the emergency button on the remote controller to trigger the alarm host to ask for help.
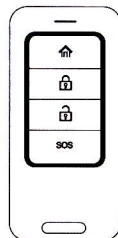
Wireless intelligent PIR motion detector

The wireless intelligent PIR motion detector can detect infrared ray signals from human or any moving objects which the temperature is similar as human's, once detects the burglar, it will send alarm signal to alarm host.
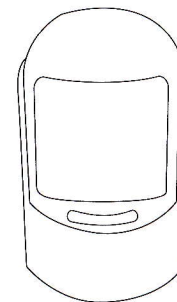
Wireless door magnetic switch detector

It can be installed on doors, windows or any other objects which can be opened and closed. Once the transmitter and magnetic stripe have been separated, the transmitter will send alarm signal to alarm host.

BRAND
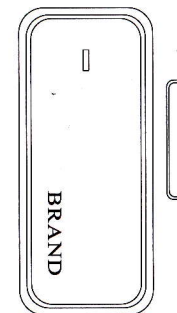
Power adapter

This power source is the main power supply of the alarm host. The alarm host has backup rechargeable battery, it can last for more than 12 hours for normal working of the alarm host after main power is shut down.
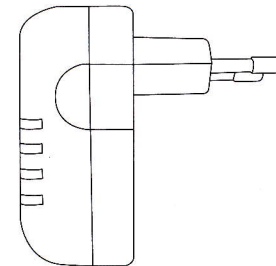
General view of the working status of the alarm host

Green light: main power supply indicator
Red light: GSM network signal indicator

BRAND

White light: arm or disarm indicator
Blue light: working status indicator of the alarm host

Tamper Proof Switch   Sound Holes of Built-in Speaker

Fasten Hole
of Bracket

Reset Button

Wired
Equipment
Interface

IN 1
IN 2
GND
COM
NO
NC
+12V
GND

GSM Card

GSM Card Slot

DC Power Jack

Power Switch

ON OFF

Round indicator

White light on:
System Disarmed

White light off:
System Armed

Blue light on:
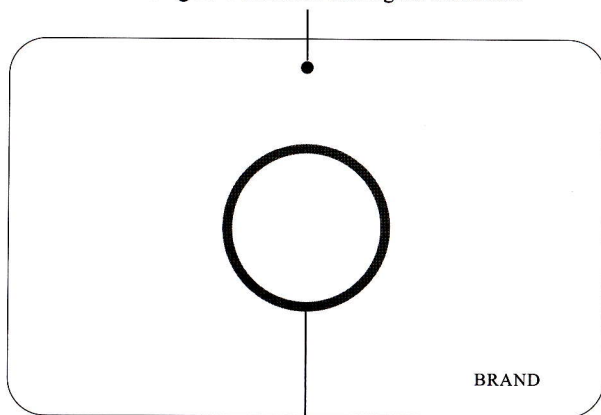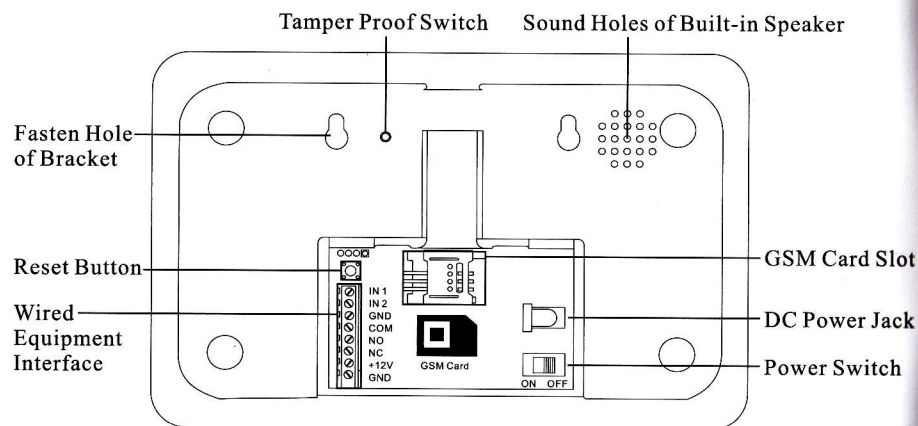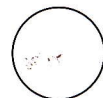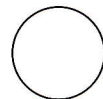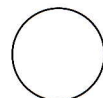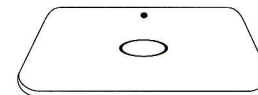System is in learning and coding status or the alarm host is in alarm status or the alarm host is receiving short message commands
Blue light flashes:
Searching and registering GSM network or the built-in GSM card of the alarm host is on the phone

Signal indicator

Signal indicator in Green:
Normal working status, it means the alarm host has been connected to the main power supply and GSM network signal is good.
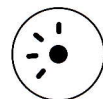
Signal indicator in Red:
The alarm host is not connected to the main power supply, and there is no GSM network signal or GSM network signal is very poor.

Signal indicator in Orange:
The alarm host is connected to the main power supply, but there is no GSM network signal or GSM network signal is very poor.
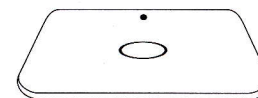
The built-in siren will ring once when the alarm host is power on, signal indicator in orange means the alarm host is connected to the main power supply but has not found out the GSM network signal, the blue light flashes in round indicator, it means the alarm host is searching for GSM network signal, about 15-30 seconds later signal indicator in green means the alarm host has found out the GSM network signal, and then the built-in GSM card of the alarm host starts to register in GSM network, about 3-5 seconds later the alarm host will make a "DI" sound, and the blue light off in round indicator means registration in GSM network is successful, the white light on in round indicator means system disarmed.

Installation of the alarm host

GSM
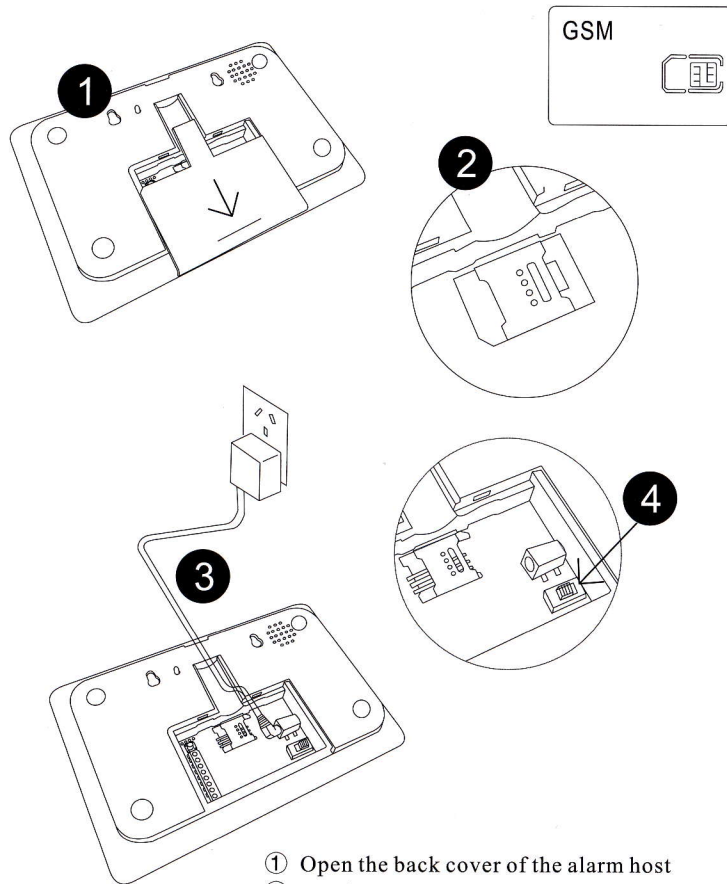
① Open the back cover of the alarm host
② Put the SIM card into the SIM card slot and fix it
③ Connect to the power adapter
④ Turn on the power switch

! After the alarm host has been inserted the GSM card, you need to store alarm notice phone number first, then the alarm host can alarm and ring normally, even if the mobile phone charges of the GSM card is owed, the built-in siren will still ring when alarm occurs.

Three methods to control the alarm host

Remote controller, short message commands and mobile phone APP all can set up the alarm host to the status of away mode arm, disarm, stay mode arm and emergency alarm, etc. These three methods make it easier to control your alarm host.

Method one

Remote controller
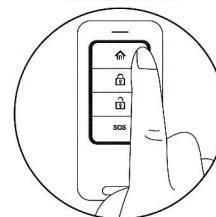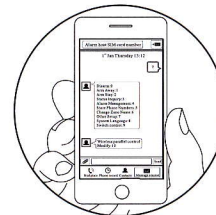Users can take this portable remote controller with them, press the arm button when leaving home, and press disarm button before entering the home door. When emergency happens, press emergency button to trigger the alarm host to call for help immediately, this is the easiest and fastest control method.

Method two

Short message commands
Please refer to page 9 for details of short message commands.

! Attention! Short message command is not suitable for emergency alarm.

Method three

Mobile phone APP
Start the mobile phone app, enter the name of the alarm host and SIM card number, then you can set up your alarm host.

! Attention! Mobile phone APP is not suitable for emergency alarm.

Two methods to set up the alarm host

Method one

Short message commands : send "?" to SIM card number of the alarm host, the alarm system will reply you with guide menu for setting up. Please refer to page 9 for details of short message commands.

Method two

Start the mobile phone APP, enter the name of the alarm host and SIM card number, then you can set up your alarm host.

! Easier and faster, recommended!

Set up the functions of the alarm system by SMS

Alarm host SIM card number +✉

1st Jan Thursday 13:12

?

Send "?" to the SIM card number of the alarm host, the system will reply with "guide menu".

Disarm:0
Arm Away:1
Arm Stay:2
Status Inquiry:3
Alarm Management:4
Store Phone Numbers:5
Change Zone Name:6
Other Setup:7
System Language:8
Switch control:9

Wireless parallel control Modify:10

📎 [ ] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

---

Alarm host SIM card number +✉

1st Jan Thursday 13:12

Password#0

System Disarmed.

Send "password#0" to the SIM card number of the alarm host, the system will reply with "System Disarmed.", it means the alarm system is disarmed now.

Password#1

System Armed in Away Mode.

Send "password#1" to the SIM card number of the alarm host, the system will reply with "System Armed in Away Mode.", it means the system is armed in away mode now.

Password#2

System Armed in Stay Mode.

Send "password#2" to the SIM card number of the alarm host, the system will reply with "System Armed in Stay Mode.", it means the system is armed in stay mode now.

📎 [ ] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

---

❗ Attention! The alarm host should be stored alarm notice phone numbers in advance, and then it can alarm and ring normally.

❗ Directly send "password# the related code number of the guide menu" to the SIM card number of the alarm host to set up the system, and the default password is 1234.

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

Password#3

Send "password#3" to the SIM card number of the alarm host, the system will reply with the menu of "the status of the alarm host".

(Plase Text Below Command Code to Inquiry the System Setting)
31: Control Panel Status
32: IMEI Information

31

Send "31" to the SIM card number of the alarm host, the system will reply with the current status of the alarm host.

System Status:Stay Armed
AC Power: On
Alarm Type:Audible
Local Siren: OFF
SMS Alert for Keyfob
Operation: OFF
Wired Sensor Type:N.O.

32

Send "32" to the SIM card number of the alarm host, the system will reply with the IMEI number of the GSM module of the alarm host.

IMEI NO. : **** **** ***** ****

📎 [   ] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

11

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

Password#4

Send "password#4" to the SIM card number of the alarm host, the system will reply with the menu of the "local early warning management".

(Please Text Below Command Code to Manage the System Setting)
41:Turn On the Local Siren
41:Turn Off the Local Siren
43:SMS Alert for Control Switch:ON

44:SMS Alert for Control Switch: OFF
45:Activate Devices When Alarming
46:Deactivates Devices When Alarming
47:Relay ON
48:Relay OFF

41

Send "41" to the SIM card number of the alarm host to turn on the local siren.

Local Siren is ON

42

Send "42" to the SIM card number of the alarm host to turn off the local siren.

Local Siren is OFF

📎 [   ] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

12

Alarm host SIM card number   +✉

1st Jan Thursday 13:12

👤◀ SMS Alert for control switch: ON

43 ▶ Send "43" to the SIM card number of the alarm host to turn on short message reminder function for control switch.

👤◀ SMS Alert for control switch: OFF(Default)

44 ▶ Send "44" to the SIM card number of the alarm host to turn off short message reminder function for control switch.

👤◀ Devices Activated When Alarming

45 ▶ Send "45" to the SIM card number of the alarm host to turn on wireless defense zone linkage electric devices function.

👤◀ Devices Deactivated When Alarming

46 ▶ Send "46" to the SIM card number in the alarm host to turn off wireless defense zone linkage electric devices function.

👤◀ Relay is ON

47 ▶ Send "47" to the SIM card number of the alarm host to turn on relay.

👤◀ Relay is OFF

48 ▶ Send "48" to the SIM card number of the alarm host to turn off relay.

📎 [_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

Wireless defense zone linkage electric devices function is via the alarm host to control the intelligent remote control switch to be realized, if the alarm host is in away mode armed status, it will turn on the intelligent remote control switch automatically when any wireless equipment in any defense zones has been triggered and the light in the room is dim. Default setting of wireless defense zone linkage electric devices function is off.

Alarm host SIM card number   +✉

1st Jan Thursday 13:12

Password#5 ▶ Send "password#5" to the SIM card number of the alarm host, the system will reply with the menu of "alarm notice phone numbers management", including 3 groups of short message alarm notice numbers and 5 groups of phone call alarm notice numbers, it is advised to set up the alarm notice phone numbers as per the priority level.

👤◀ SMS
1:
2:
3:
TEL
1:
2:
3:
4 :
5:

👤◀ SMS
1:*** **** ****
2:
3:
TEL
1:*** **** ****
2 :
3:
4 :
5:

SMS
1:*** **** ****
2:
3:
TEL
1:*** **** ****
2 :
3:
4 :
5:
▶ Copy and paste the menu of "alarm notice phone numbers management", and fill in or modify the short message notice numbers and phone call notice numbers in the related positions, and then send this message to the SIM card number of the alarm host for setting up. The system will reply with the numbers which have already been set up if the setting is successful.

📎 [_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

Attention! After the alarm notice phone numbers have been set up, the alarm host will only accept the short messages commands and phone calls from preset phone numbers. When alarm occurs, the system will send alarm notice short message and make an alarm phone call as per the priority level of preset phone numbers. The alarm host should be stored alarm notice phone numbers in advance, and then it can alarm and ring normally.

Page 15

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

Password#6

Send "password#6" to the SIM card number of the alarm host, the system will reply with the menu of "wireless defense zone information" and "switch names of electric devices".

👤 1:Wireless Zone 1
2:Wireless Zone 2
3:Wireless Zone 3
4:Wireless Zone 4
5:Wireless Zone 5
6:Wireless Zone 6
7:24H Zone 7 Alarm
8:24H Zone 8 Alarm
9:Device 1

❗ Attention! After modifying the names of wireless defense zones, if alarm occurs, users will immediately be aware of what kind of wireless equipment in which position has been triggered by the names of wireless defense zones.

👤 10:Device 2
11:Device 3
12:Device 4
13:Device 5
14:Device 6

❗ About the limit of the words, 8 Chinese words; 16 English words; if the amount of the words is over limit, the system will reply with short message reminder as below: **Wireless defense zone information is more than 16 words, please correct!**

1：****Alarm
2：****Alarm
3：****Alarm
4：****Alarm
5：****Alarm
6：****Alarm
7：24H Zone 7Alarm
8：24H Zone 8Alarm

Copy and paste the menu of "wireless defense zone information" and "switch names of electric devices", then modify the names of wireless defense zones or the switch names of electric devices in the related positions, and then send this message to the SIM card number of the alarm host for setting up. The system will reply with the wireless defense zone information and the switch names of electric devices which have already been set up if the setting is successful.

📎 [_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

15

Page 16

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

Password#7

Send "password#7" to the SIM card number of the alarm host, the system will reply with the menu of "other settings".

👤 Alarm Type:
71: Audible(Default)
72: Silent
Wired Sensor Type:
73: N.O.
74: N.C.(Default)
SMS Alert for Keyfob Operation:
75: ON
76: OFF(Default)

👤 77: Change Password:
Old Password#77#New Password#
Alarm Delay:
78#Exit Delay Time#
79#Entry Delay Time#

71

Send "71" to the SIM card number of the alarm host to set up the siren ring when the alarm host alarms.

👤 Alarm Type: Audible

72

Send "72" to the SIM card number of the alarm host to set up the siren silent when the alarm host alarms.

👤 Alarm Type: Silent

📎 [_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

16

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

73

Wired Sensor Type: N.O.

Send "73" to the SIM card number of the alarm host to set up the wired equipment to be normally open type.

74

Wired Sensor Type: N.C.

Send "74" to the SIM card number in the alarm host to set up the wired equipment to be normally closed type.

75

SMS Alert for Keyfob Operation: ON

Send "75" to the SIM card number of the alarm host to turn on short message reminder function of remote controller operation.

76

SMS Alert for Keyfob Operation: OFF

Send "76" to the SIM card number of the alarm host to turn off short message reminder function of remote controller operation.

Old password#77#new password#

Password has been changed!

Send "old password#77# new password#" to the SIM card number of the alarm host to modify the password of the alarm host.

[_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

❗ Attention! New password must be 4 digits; the factory initial password is 1234

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

78#*#

Exit Delay Time(0-300sec): *S

Send "78#*#" to the SIM card number of the alarm host to set up the time delay of arm for the alarm host when leaving home, "*" is the digits from 0 to 300, it means the seconds of time delay.

79#*#

Entry Delay Time(0-300sec): *S

Send "79#*#" to the SIM card number of the alarm host, to set up the time delay of alarm for the alarm host when coming back home, "*" is the digits from 0 to 300, it means the seconds of time delay.

Password#8

Send "password#8" to the SIM card number of the alarm host, the system will reply with the menu of "system language".

81: English(default)
82: Chinese
83: Customized language

82

Send "82" to the SIM card number of the alarm host to set up the system language to Chinese.

语言已设定为"中文"

81

Send "81" to the SIM card number of the alarm host to set up the system language to English.

Language has been changed to "English".

[_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

Password#9

> Send "password#9" to the SIM card number of the alarm host, the system will reply with the menu of "switch control".

👤 91#:Device 1:Power ON
91*:Device 1:Power OFF
92#:Device 2:Power ON
92*:Device 2:Power OFF
93#:Device 3:Power ON
93*:Device 3:Power OFF
94#:Device 4:Power

👤 ON
94*:Device 4:Power OFF
95#:Device 5:Power ON
95*:Device 5:Power OFF
96#:Device 6:Power ON
96*:Device 6:Power OFF

91#

> Send "91#" to the SIM card number of the alarm host to turn on the switch of electric device 1.

👤 Device 1:Power ON

91*

> Send "91*" to the SIM card number of the alarm host to turn off the switch of electric device 1.

👤 Device 1:Power OFF

📎 [_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

---

Alarm host SIM card number +✉

1ˢᵗ Jan Thursday 13:12

92#

> Send "92#" to the SIM card number of the alarm host to turn on the switch of electric device 2.

👤 Device 2:Power ON

92*

> Send "92*" to the SIM card number of the alarm host to turn off the switch of electric device 2.

👤 Device 2:Power OFF

93#

> Send "93#" to the SIM card number of the alarm host to turn on the switch of electric device 3.

👤 Device 3:Power ON

93*

> Send "93*" to the SIM card number of the alarm host to turn off the switch of electric device 3.

👤 Device 3:Power OFF

94#

> Send "94#" to the SIM card number of the alarm host to turn on the switch of electric device 4.

👤 Device 4:Power ON

94*

> Send "94*" to the SIM card number of the alarm host to turn off the switch of electric device 4.

👤 Device 4:Power OFF

📎 [_____] Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

---

To control the switches of electric devices by short message commands is via the intelligent remote control switch to be realized, every time the alarm host receives a short message command of the menu of "switch control", it will send a group of wireless codes to the intelligent remote control switch, this group of wireless codes is exactly related to the received short message command, and this group of wireless codes must be learnt & coded and defined its functions by the intelligent remote control switch in advance. Please refer to P35 for details of the intelligent remote control switch learning & coding.
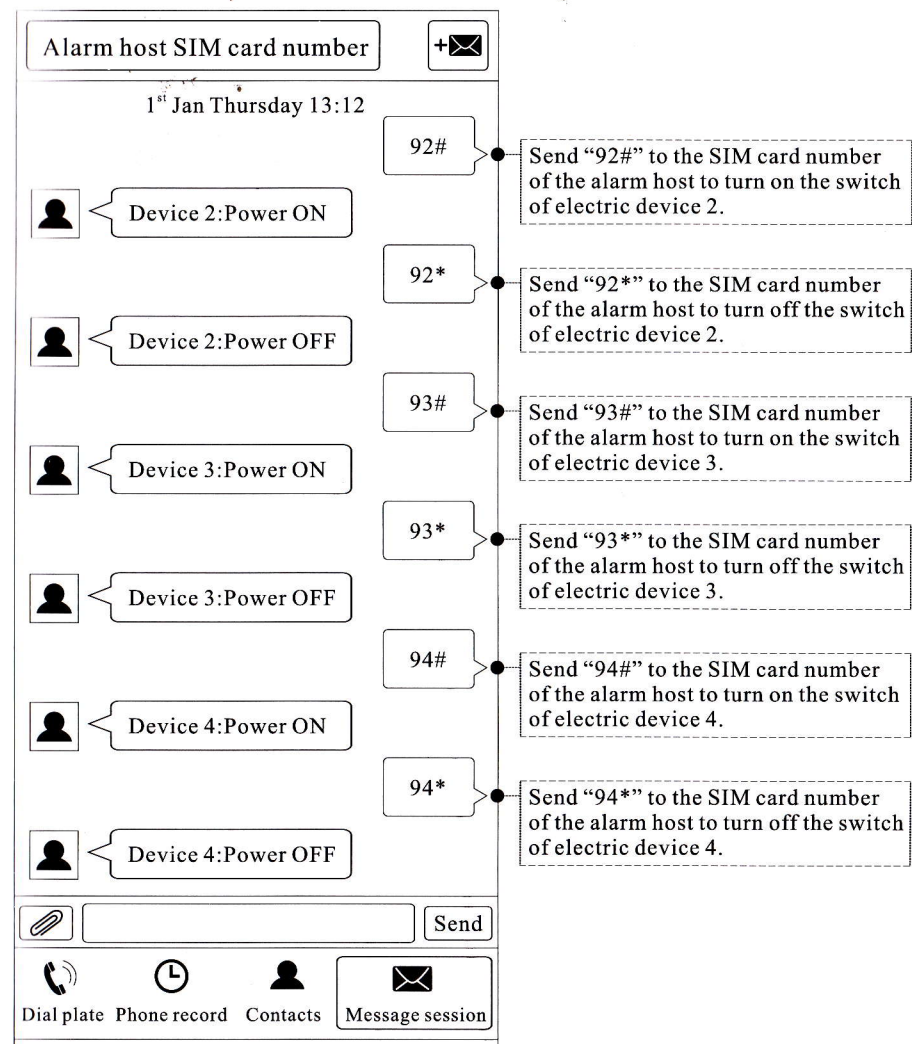
Alarm host SIM card number   +✉

1st Jan Thursday 13:12

95#

Device 5:Power ON

Send "95#" to the SIM card number of the alarm host to turn on the switch of electric device 5.

95*

Device 5:Power OFF

Send "95*" to the SIM card number of the alarm host to turn off the switch of electric device 5.

96#

Device 6:Power ON

Send "96#" to the SIM card number of the alarm host to turn on the switch of electric device 6.

96*

Device 6:Power OFF

Send "96*" to the SIM card number of the alarm host to turn off the switch of electric device 6.

📎 [   ]   Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

Alarm host SIM card number   +✉

1st Jan Thursday 13:12

10

Zone1:S1
Zone2:S2
Zone3:S3
Zone4:S4
Zone5:S5
Zone6:S6

Send "10" to the SIM card number of the alarm host, the system will reply with the menu of "the information of the switches of wireless defense zone linkage electric devices".

❗

Attention! The serial numbers of the switches of wireless defense zone linkage electric devices can only be adjusted but cannot be modified, for example exchange S1 and S6.

Zone1:S6
Zone2:S5
Zone3:S4
Zone4:S3
Zone5:S2
Zone6:S1

Copy and paste the menu of "the information of the switches of wireless defense zone linkage electric devices", and directly adjust the serial numbers of the switches of wireless defense zone linkage electric devices at the related positions, then send this message to the SIM card of the alarm host for setting up. The system will reply with the information of the switches of wireless defense zone linkage electric devices which has already been set up if the setting is successful.

Zone1:S6
Zone2:S5
Zone3:S4
Zone4:S3
Zone5:S2
Zone6:S1

📎 [   ]   Send

📞 Dial plate   🕐 Phone record   👤 Contacts   ✉ Message session

Wireless remote controller

This remote controller looks simple and generous with portable design can be hung with keychains or hidden under the sun visors of the car. It has four buttons which are used as away mode arm button, disarm button, stay mode arm button and emergency call button, respectively.

Signal indicator

Stay mode arm

Away mode arm

Disarm

Emergency call
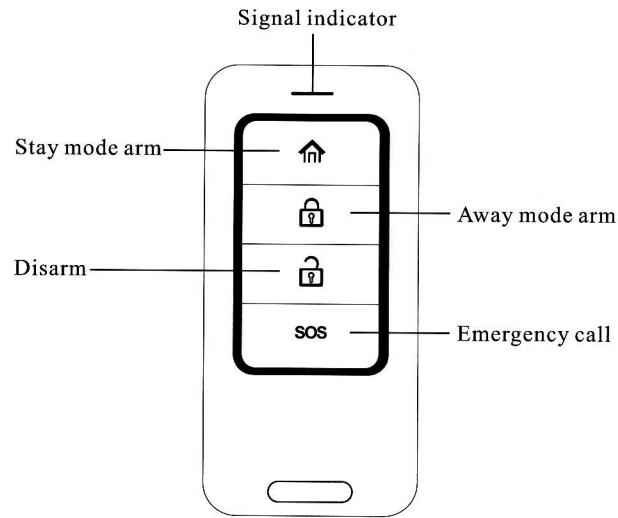
Parameters:
Coding format: 1527
Wireless signal transmitting distance ≤80 meters

If signal indicator flashes once, it means transmitting control signal.

If signal indicator is in low-light level, it means low voltage of the battery, please replace the battery with new one in time.

Note: it takes about 0.5 seconds for wireless remote controller to transmit a complete instruction, therefore, when using the remote controller, please press and hold its button for 0.5 seconds or longer.

Away mode arm
Before leaving home, press away mode arm button, the alarm host will ring once to show you the alarm host has been set up in away mode armed status; the alarm host will notice the preset phone numbers if any detector is triggered.

Disarm
Before entering your home, press disarm button, the alarm host will ring twice to show you the alarm host has been set up in disarmed status, then you can move freely in your home without triggering alarm (except the wireless equipment which has been set up in 24-hour wireless zone). If the siren rings continually due to the reason of alarm, you can also press disarm button to get rid of alert.

Stay mode arm
Press stay mode arm button, the alarm host will ring once to show you the alarm host has been set up in stay mode armed status, all of wireless equipment which has been set up in stay mode wireless zone is in disarmed status, users can move freely; and all of wireless equipment which has been set up in away mode wireless zone or 24-hour wireless zone is in armed status, it will be triggered and the alarm host will alarm immediately.

Emergency call
Control the alarm host by remote controller when you come back home opening the door or when you leave home closing the door. When emergency happens, you can press the emergency call button of the remote controller to trigger the alarm host to ask for help immediately.
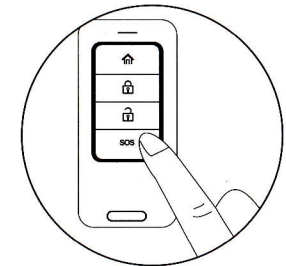
Wireless PIR motion detector

This wireless PIR motion detector with fashionable and attractive design style, simple and convenient installation, it is suitable for detecting the signal of human body's movement indoor, adopts high intelligent analysis calculation, can effectively distinguish the signals of human body's movement and interference element. Built-in indicator has low voltage reminder function.

Parameters:
Coding format: 1527
IR detecting distance: ≤8m
Transmitting distance of wireless signal ≤80 meters
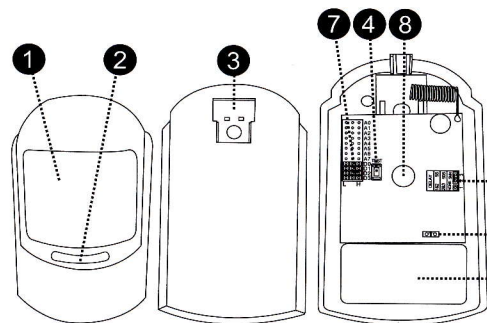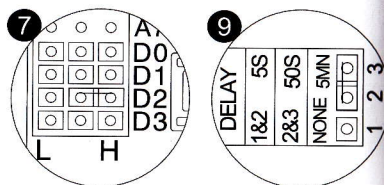
① Infrared detecting window
② Signal indicator
③ Installation bracket card slot
④ Coding and learning (test) button
⑤ LED setting plunger pin
⑥ Battery
⑦ Defense zone setting plunger pin
⑧ Infrared sensor
⑨ Alarm time gap setting plunger pin

Infrared sensor: it is used to detect the signal of human body's movement, please do not touch its surface, and keep it clean.

LED setting plunger pin: It is used to set up whether the red LED indicator flashes or not when the PIR detector has been triggered. The red LED will flash if the LED setting plunger pins have been connected, otherwise, it will not flash in order to hide the PIR detector after normal test.

Alarm time gap setting plunger pin: it is used to set up the time gap between two triggering of PIR detector, and default setting is 50 seconds in order to save power, if the PIR detector has been triggered, the next triggering will be invalid within this 50 seconds of time gap. There are 3 options as below:

① Connect plunger pin 1 and pin 2 for test mode, the time gap will be 5 seconds
② Connect plunger pin 2 and pin 3 for working mode 1, the time gap will be 50 seconds
③ No connections between plunger pins for working mode 2, the time gap will be 5 minutes

Working status indicator of wireless PIR motion detector

If the red LED indicator flashes once, it means the PIR detector has been triggered, if yellow LED indicator always light up, it means low voltage of battery, please replace the battery in time.

Installation and walking test of wireless PIR motion detector

Installation: the installation position should be the entry of the place where the burglar may break in. The PIR detector is much more sensitive on the horizontal movement than vertical movement, so the best direction of installation should be the one which is vertical with the direction of human body's movement.
① Press the fastener of PIR detector
② Make sure the battery is installed correctly
③ Close the shell
④ Lock the screw of the fastener
⑤ Fasten the detector's bracket on the wall by screws, then hang the detector
⑥ The LED indicator should face down during the installation, the installation height had better to be between 2 and 2.2 meters. Can change the detecting angle and distance by adjusting the installation height or the detector's bracket

2.0~2.2m
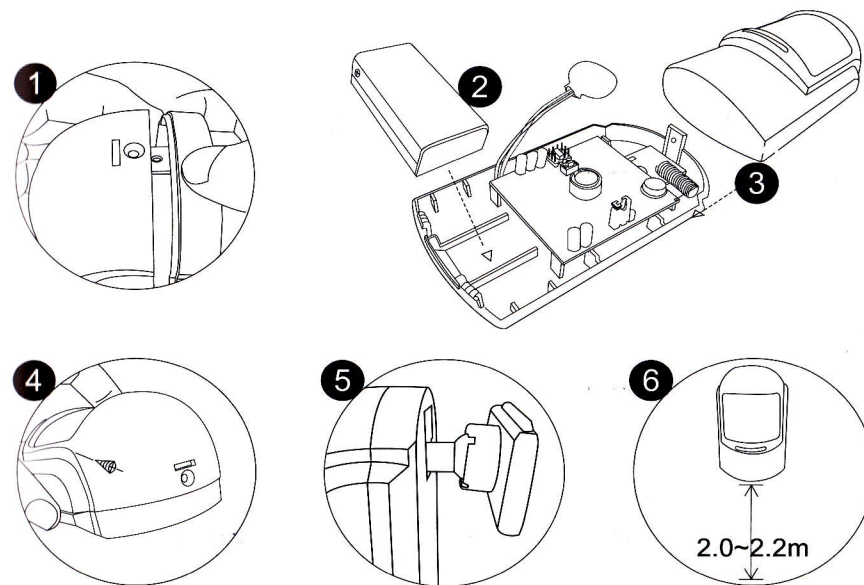
Walking test:
① After installation, when the PIR detector is powered on, both the red and yellow LED indicators will flash once at the same time to enter working status.
② Walk cross the detecting area and watch the status indicator, the red LED will flash once when the PIR detector detects the movement signal of human's body, and the PIR detector will not be triggered again until after the preset time gap.
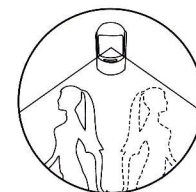
Attention:

① Please do not install the PIR detector at the place where the temperature changes a lot, for example the place near to the air-conditioner, fluorescent lamp, oven, micro-wave oven or fridge, etc.

② Please do not install the PIR detector at the place where it faces to the glass window or door, in case the day light or complex environment outside of the window or door effects the PIR detector, for example the direct sunlight, crowd or moving vehicles, etc.

③ If you want to install two PIR detectors at the same place, please adjust the positions to void false alarm which is caused by the mutual interference between the two PIR detectors.

④ This product can reduce the possibility of accidents, but cannot 100% guarantee your safety. Please buck your ideas up, and strengthen your safety awareness for your own daily safety.

Detecting range

Vertical view   Side view

110°

0m   2m   4m   6m   8m
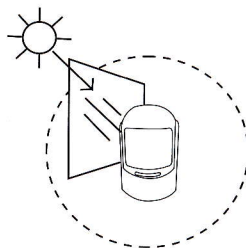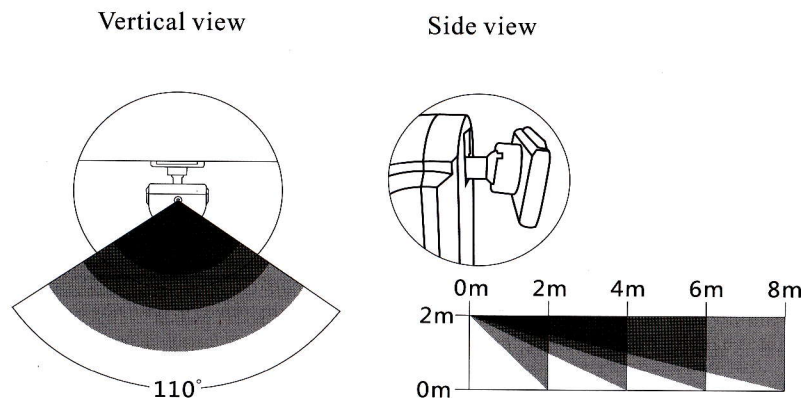
Learning & coding of wireless PIR motion detector

Newly-purchased wireless PIR motion detector needs to be coded with the alarm host before using, please refer to P32 for details of wireless equipment learning & coding, clearing and defense zone settings.

Wireless door magnetic switch detector

Wireless door magnetic switch detector can be installed on doors, windows or any other objects which can be opened and closed. Once transmitter and magnetic stripe have been separated, the transmitter will send alarm signal to the host immediately, and the host will send alert to users in time. The Wireless door magnetic switch detector has tamper proof function, which can be aware of the external damage, to guarantee the safety of families at utmost.

Parameters:
Coding format: 1527
Transmitting distance of wireless signal ≤80 meter
Super low power consumption design, the battery can last for 3 years at least

(1) Transmitter
(2) Magnetic stripe
(3) Alarm indicator
(4) Battery holder
(5) Defense zone setting plunger pin
(6) Tamper proof switch

D0 D1 D2 D3
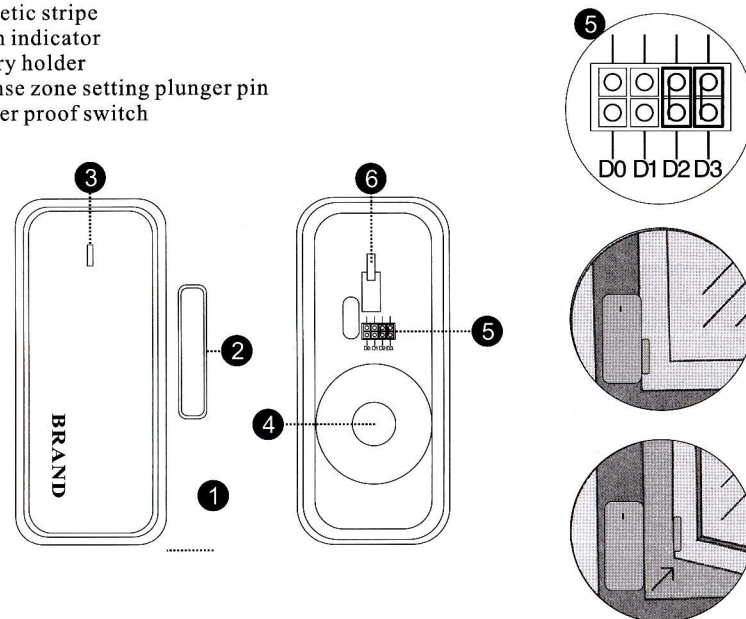
Working status indicator of wireless door magnetic switch detector

It will flash once after every triggering from opening the door.

If the indicator flashes in low speed continuously for 2 minutes, it means low voltage of the battery, please replace the battery with new one in time.
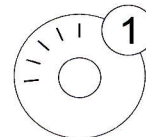
Installation notice of wireless door magnetic switch detector

① Please input the battery correctly after opening the back cover of the detector
② Clean the place where you are going to install the detector
③ Remove the double faced adhesive tape at the back side of detector, install the transmitter on the fixed part of door or window, and install the magnetic stripe at the active part of door or window
④ Magnetic stripe should be at the left side of the transmitter
⑤ The transmitter and magnetic stripe should be at the same surface, and the distance between them cannot be more than 1cm
⑥ Please do not install the detector at the places where there are lots of metals or antenna wires

Magnetic stripe should be at the left side of the transmitter

BRAND

Battery
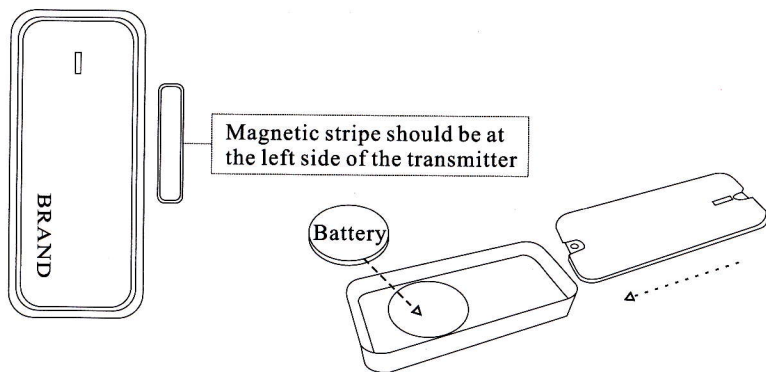
Tamper proof alarm: if the burglar tries to remove wireless door magnetic switch detector, the built-in tamper proof switch will be triggered and the alarm host will alarm.

Wireless defense zone setting plunger pin: please refer to P33-34 for details of wireless defense zone settings.

Note: the factory default setting of the wireless door magnetic switch detector is in wireless defense zone 1, after arming of the host, once the transmitter and the magnetic stripe have been separated for more than 2cm distance, it will be triggered, and the host will alarm immediately.

1cm

Instructions of wired equipment and the connections of linkage electric devices

Reset
IN 1
IN 2
GND
COM
NO
NC
+12V
GND

GSM Card

Power
DC 12V

ON   OFF

Home appliances

Wired input 1 **IN 1**
Wired input 2 **IN 2**
Common ground **GND**
Common terminal **COM**
Normally open **NO**
Normally closed **NC**
Power supply of
wired equipment **(12V/300mA) +12V**
Common ground **GND**

Power source of the
home appliances

Wired PIR
motion detector

Wired door
magnetic switch detector
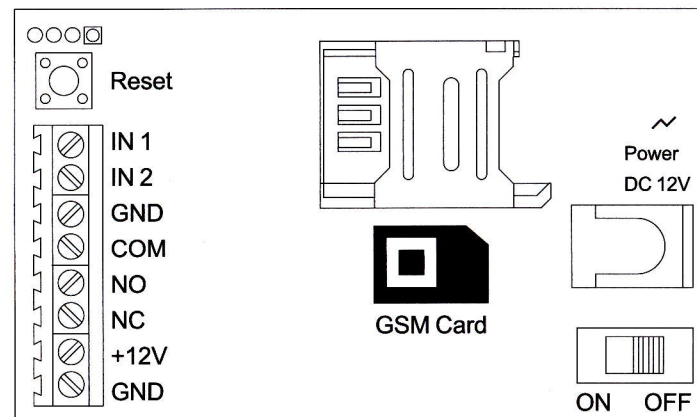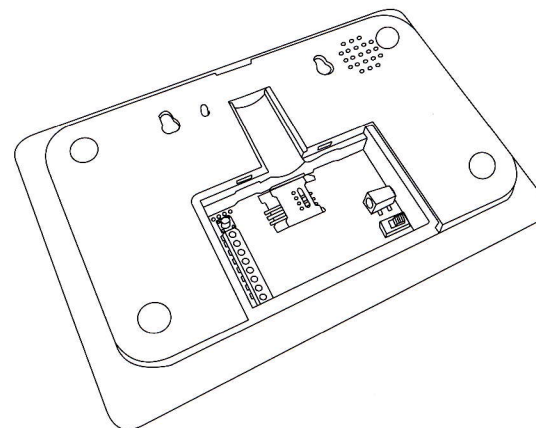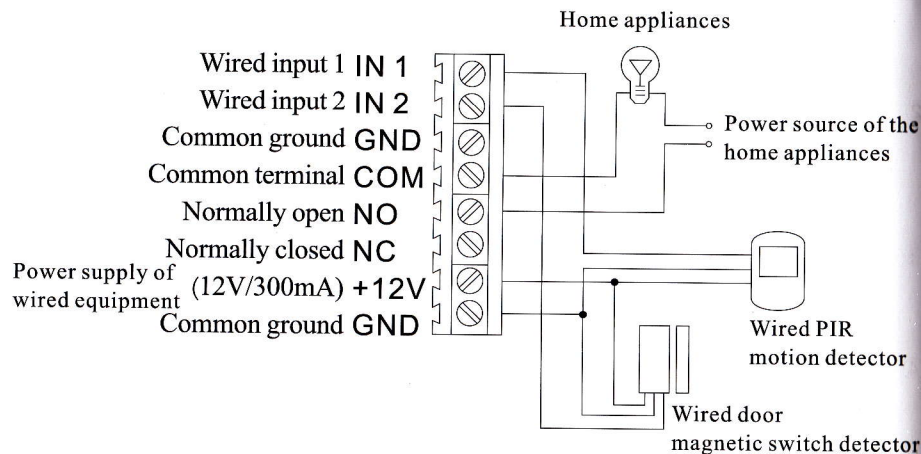
Wired equipment
Supports two groups of wired equipment, after connecting,
please do the setting as per the types of wired equipment.
(Normally open or normally close alarm, please refer to P17
for details).

Linkage electric devices
Can turn on the Lamp, TV or other electric devices
automatically when any sensor has been triggered and the
light in the room is dim.

Wireless equipment learning & coding, clearing and defense zone settings

Wireless equipment learning & coding

(1) Press the RESET button of the alarm host, the alarm host will make a "Di" sound, blue
light will be on in the round indicator, the alarm host will be in learning & coding status
(Press RESET button again within 20 seconds, the alarm host will exit learning &
coding status).

(2) Trigger the wireless equipment once, the alarm host will ring once, and the blue light in
the round indicator will flash once, it means the wireless equipment has been learnt &
coded successfully.

(3) There are several methods to trigger the wireless equipment, can press the test button or
tamper proof switch of the wireless equipment, separate the two parts of the door
magnetic switch detector, or press any button of the remote controller, etc.

(4) After the learning & coding is successful, press the RESET button of the alarm host
again, the alarm host will make the "Di" sound twice, the blue light in the round
indicator will be off, the alarm host will exit the learning & coding status.
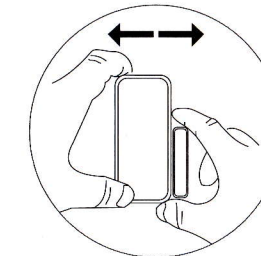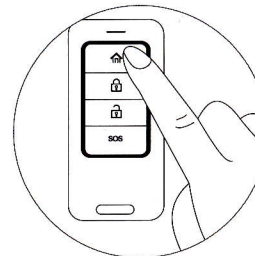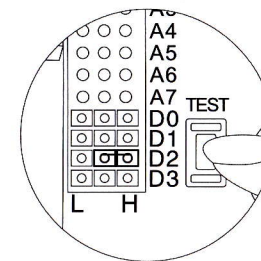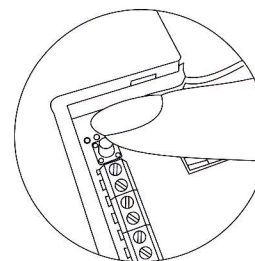
Clear wireless equipment

After the alarm host is switched on, press and hold the RESET button of the alarm host for 5 to 10 seconds until the alarm host make a "Di" sound, then release the RESET button, at this moment all of the coding information of wireless equipment of the alarm host has been cleared, but the alarm host will still keep the stored alarm notice phone numbers and user settings.
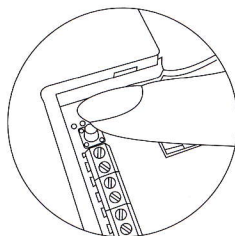
Clear the stored alarm notice phone numbers and user settings

Switch off the power of the alarm host (move power switch to OFF), press and hold the RESET button of the alarm host, and then switch on alarm host (move power switch to ON), about 3 to 5 seconds later, the alarm host will make a "Di" sound, release the RESET button, at this moment all of the stored alarm notice numbers has been cleared, all of the user settings has been recovered to factory default settings, but all of the coding information of wireless equipment of the alarm host is still kept.
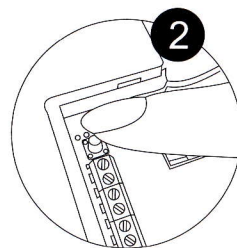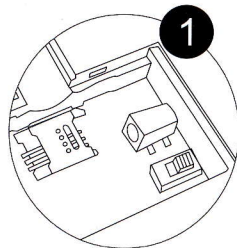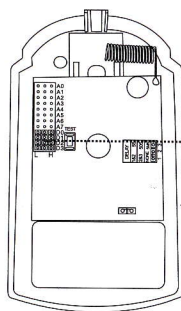

The positions of wireless defense zone setting plunger pins in the PCB of wireless equipment
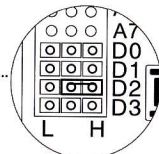
Wireless defense zone setting plunger pins

Wireless defense zone setting plunger pins

Wireless PIR motion detector

Wireless door magnetic switch detector

33
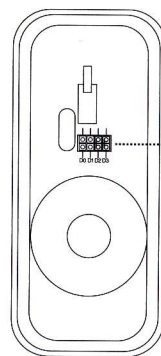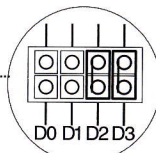
Away mode defense zone plunger pin settings

This is the normal factory settings of wireless equipment, if the alarm host is in armed status, it will alarm immediately after receiving the signal from wireless equipment which has been triggered.
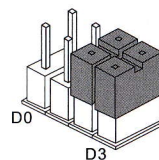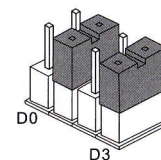
Wireless zone 1   Wireless zone 2   Wireless zone 3   Wireless zone 4
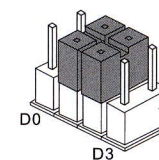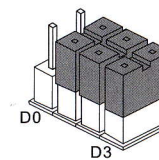
Tips: the factory default setting of wireless PIR motion detector is in stay mode defense zone 1, and wireless door magnetic switch detector is in away mode defense zone 1.

Stay mode defense zone plunger pin settings

The alarm host will alarm immediately but only for the situation when the alarm host is triggered by the wireless equipment which has been set up in away mode defense zone or 24-hour defense zone, and the host will not alarm if the alarm host is triggered by the wireless equipment which has been set up in stay mode defense zone.
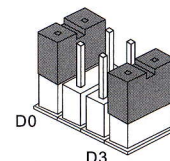
Wireless zone 5
(Stay mode defense area 1)
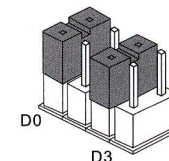
Wireless zone 6
(Stay mode defense area 2)

24-hour defense zone plunger pin settings

No matter the alarm host is in armed or disarmed status, the alarm host will alarm immediately once the alarm host is triggered by the wireless equipment which has been set up in 24-hour defense zone, it is advised to set up the smoke detector, gas detector and correlation type active infrared fence or detector in 24-hour defense zone.
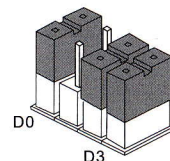
24-hour defense area

24-hour defense area

34
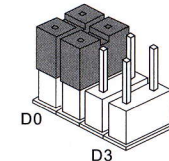
Intelligent remote control switch learning & coding and clearing

① Send short message command to the alarm host by mobile phone

② The alarm host will send a group of wireless codes to the intelligent remote control switch after receiving the short message command

③ The intelligent remote control switch learns and codes the wireless codes from the alarm host

In order to make the learning & coding easier between the intelligent remote control switch and the alarm host, you can add parameter to the short message command of the menu of "switch control", then send this short message to the SIM card number of the alarm host, the alarm host will continuously send the same group of wireless codes to the intelligent remote control switch every time it receives the short message command, and this group of wireless code is exactly related to the received short message command, and the time of sending wireless code continuously is decided by the added parameter, the format of the parameter is "*#" ("*" is the digits from 1 to 10, it means the seconds of sending wireless codes continuously), add this parameter to the end of short message command of the menu of "switch control", then send this short message to the SIM card number of the alarm host. For example: send "91#5#" to the SIM card number of the alarm host, the alarm host will send the same group of wireless codes to the intelligent remote control switch continuously in 5 seconds after receiving the short message command.

To learn the function of turning on the switches of electric devices by intelligent remote control switch: first send short message command by mobile phone, then press and hold the switch button on the panel of the intelligent remote control switch until the learning & coding indicator on the panel of the intelligent remote control switch flashes twic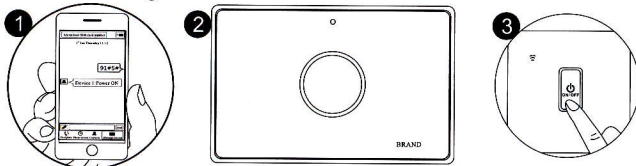e, at the moment the intelligent remote control switch is in learning & coding status, and the group of wireless codes which the intelligent remote control switch learns is defined as the function of turning on the intelligent remote control switch, after the learning & coding is successful, the learning & coding indicator on the panel of the intelligent remote control switch will flash once. For example: send "91#5#" to the SIM card number of the alarm host, at this moment the group of wireless codes which the intelligent remote control switch learns is defined as the function of turning on the switch of electric device 1.

To learn the function of turning off the switches of electric devices by intelligent remote control switch: first send short message command by mobile phone, then press and hold the switch button on the panel of the intelligent remote control switch until the learning & coding indicator on the panel of the intelligent remote control switch flashes three times, at the moment the intelligent remote control switch is in learning & coding status, and the group of wireless codes which the intelligent remote control switch learns is defined as the function of turning off the intelligent remote control switch, after the learning & coding is successful, the learning & coding indicator on the panel of the intelligent remote control switch will flash once. For example: send "91*5#" to the SIM card number of the alarm host, at this moment the group of wireless codes which the intelligent remote control switch learns is defined as the function of turning off the switch of electric device 1.

The short message commands of the menu of "switch control" from 91#, 91* to 96#, 96* are corresponding to the first to the sixth intelligent remote control switch, respectively.

Clear the wireless codes which have been learnt & coded by the intelligent remote control switch: press and hold the switch button on the panel of the intelligent remote control switch until the learning & coding indicator on the panel of the intelligent remote control switch flashes four times, at this moment the intelligent remote control switch has finished the operation of clearing wireless codes.

Technical specifications of the alarm host

Product name:	GSM SMS Intelligent Burglar Alarm System
Model number:	A1
Power source adapter:	AC110-240V/50~60Hz
Power supply of the alarm host:	DC12V/1000mA
Working frequency of GSM module:	850/900/1800/1900MHz
Standby current:	80mA
Alarm maximum current:	1000mA
Built-in backup battery:	7.2V/1000mAh lithium-ion battery
Alarm sound of the built-in siren:	110dB
Expanded wireless equipment:	10 wireless remote controllers
	50 other wireless equipment
Wireless equipment frequency:	433MHz/315MHz($\pm$75KHz)
Coding and decoding format:	1527
Material of the shell:	ABS plastic
Working conditions:	temperature: -20℃ – 55℃
	Humidity: <= 80% (No condensation)
Unit Dimension:	191mm x 125mm x 25mm (L.W.H)

Frequently Asked Questions

Alarm host

① If I want to know which part of my home alarms, how do I set up?

A. The alarm host has 8 wireless defense zones, thereinto, four away mode defense zones, two stay mode defense zones and two 24-hour defense zones, every defense zone can be renamed (if the quantity of wireless equipment is less, every wireless equipment can be set up in one defense zone independently; otherwise, the wireless equipment in the same place can be set up in the same defense zone, it is advised to set up smoke detector, gas detector or other important detectors in 24-hour defense zones), the alarm host has 2 wired defense zones too(cannot be renamed).

B. Please refer to P33-P34 for details of defense zone plunger pin settings of wireless equipment.

C. In order to make it more convenient for your memory, please rename the wireless defense zones according to the different places of your home by sending short message "password#6", for example, "wireless defense zone 1" has been learnt & coded with the wireless door magnetic detector on the main door, we can modify the name "wireless defense area 1" to "main door of home", when alarm occurs, you will receive the customized alarm notice short message "main door of home alarms!".

② If the main power source suddenly shut down, will it affect the A1 alarm system?

This alarm system has rechargeable backup lithium-ion battery, which can still work for 12 hours after the main power is shut down, when the main power comes back, it will continue to charge the backup battery.

③ After I insert the SIM card into the alarm host, why it cannot search the GSM network signal?

A. Please make sure your SIM card supports GSM network.

B. Please make sure you insert the SIM card first, and then turn on the power switch.

④ How can I download the mobile phone APP?

Please contact and consult our agent.

⑤ Can I always get the alarm notice if my alarm host is armed or disarmed?

Yes, if you control the alarm host by APP, you can always receive the operation message of armed or disarmed. If you want to control the alarm host by remote controller and receive the alarm notice short message of armed or disarmed, please send: "password#75" to the SIM card number of the alarm host, to turn on short message reminder function of remote controller operation.

Wireless door magnetic switch detector

① When the transmitter and the magnetic stripe of wireless door magnetic switch detector are separated, why does not the alarm host alarm?

A. Please make sure the red indicator of the wireless door magnetic switch detector is on when the transmitter and the magnetic stripe are separated, if not, please replace the battery with new one in time.

B. Please check whether the positions of the transmitter and the magnetic stripe are swapped.

C. Please make sure the door frame is not made of metal, metal door frame will affect the transmitting signal of wireless door magnetic switch detector.

D. Please make sure the distance between the transmitter and the magnetic stripe is more than 2 cm.

Wireless PIR motion detector

① After installation of the wireless PIR motion detector, why does not it send signal to the alarm host during the test?

A. Please make sure the alarm host is in away mode armed status, not in stay mode armed status.

B. Please make sure the red indicator of the wireless PIR motion detector is on during the walking test.

C. In order to save power, continuously trigger the wireless PIR motion detector in 50 seconds, only one triggering is valid, and the next triggering will be valid after the 50 seconds of time gap.

② The false alarm and fail alarm of the wireless PIR motion detector

A. Please make sure whether it is caused by the movement of the little pet in the home.

B. Please check the installation position of the wireless PIR motion detector; it should be avoided to the place where it is near to home electric appliances that may change the indoor temperature, like the places near to the window, air-conditioner, daylight lamp, electric heat, fridge, oven, electric water heater, etc.

C. Please check whether the wireless PIR motion detector is exposed by the strong light, whether it is installed behind the glass.

D. Please make sure the installation height and range is within the detectable range.

Wireless remote controller

① To arm or disarm the alarm host by remote controller, why does not the alarm host response?

A. It takes about 0.5 seconds for wireless remote controller to transmit a complete instruction, therefore, when using the remote controller, please press and hold its button for 0.5 seconds or longer.

B. When pressing the buttons on remote controller, if the indicator flashes, it means the remote controller works well; otherwise, please replace the battery with new one in time.

Warm tips

All of the wireless equipment has already been learnt & coded with the alarm host before we sell them, so what you need to do is to check whether the signal transmitting between the alarm host and wireless equipment works well after receiving the goods. In order to identify the defense zones, please write down the serial number of the detector, after the installation, modify the names to your familiar names in Android or iOS software, or modify the names according to the names of the installation places, so once the detector is triggered, we will immediately be aware of which detector is triggered by the alarm notice short message. After installation and renaming, please bind the phone numbers you want to authorize.

Because this intelligent burglar alarm system works by short messages most of the time, when we buy a new GSM card, please choose the one which has the best short message set to reduce the phone call cost, this way we can get the best burglar alarm result by spending the least money! Finally test it again to make sure all of the detectors work well.

❗ Attention! Please do not install the wireless equipment in any wet or hot place.