GSM Smart Alarm System

INSTALLATION MANUAL

GSM Signal indicator
Green: Strong
Yellow: Normal
Red: Weak
Yellow flashing: SIM card trouble

Back/Dialing(Press 2s)/*

Power indicator
On: stable
Flashing slowly: AC power trouble
Flashing quickly: Low battery

Arm stay
Arm away
Program(press 2s)
Panic
Disarm

RFID
Flashing slowly: Voice recording
On: Playing voice record
Flashing quickly: Alarming

Figure 0/Play

Confirm/
Voice record(press 2s)/
Enter
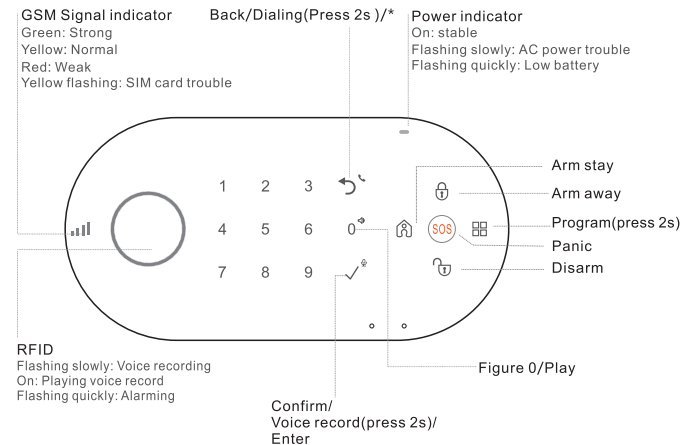
Definition of buttons

Arm away   The system will be full-armed after 20s(defaulted) delay time.
Arm stay   The system will be arm-stayed by pressing this button.
Disarm   Press, input users password (default is 0808) and confirm with ✓. Duress password is users password+0 (default is 08080), then panel disarms but sends duress SMS to users number.
Program   In disarm status, press for 2s, input password (default is 1234) + ✓ to enter programming.
Panic   In standby status, keep pressing this button to panic alarm.
Confirm/Voice record/Enter ✓ Press to confirm, voice record(keep pressing for 2 second) or Enter.
Back/Dialing/*   It can be pressed to return to last step, to dial to make a phone call(keep pressing for 2 second) or cancel the setting.
Play   It works as the figure 0 or play the voice records.

Speaker   Anti-tamper   Non-Slip EVA

SIM socket   Terminals   Battery switch   AC power
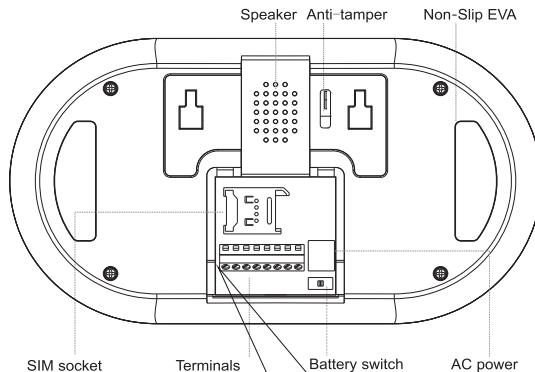
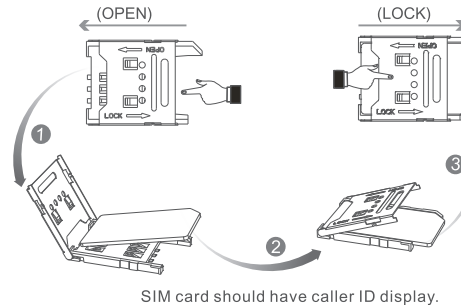|	
COM	Relay COM
NO	Relay NO
NC	Relay NC
AUX	Aux power supply
GND	Aux power GND
Z2	Wired zone 2
GND	Wired zone GND
Z1	Wired zone 1

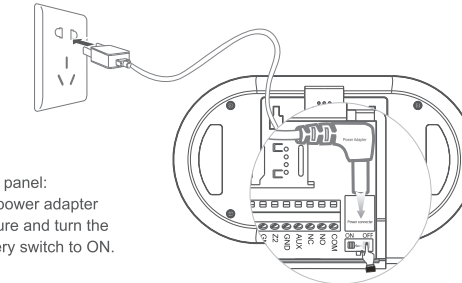**Step1: Install the APP**

iOS APP   Android APP

Scan the QR codes to download the APP then add user and telephone numbers as instructed by APP.

Step 2: Insert SIM card

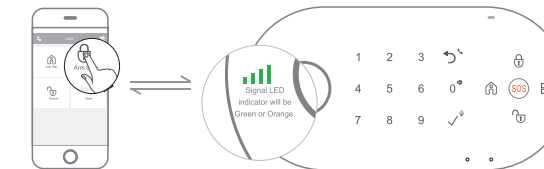Open the back cover to insert the SIM card. (Power off before insert or take off the SIM card.)

(OPEN)   (LOCK)

SIM card should have caller ID display.

Step 3: Power up

Power up the panel:
Connect the power adapter as to the picture and turn the back-up battery switch to ON.
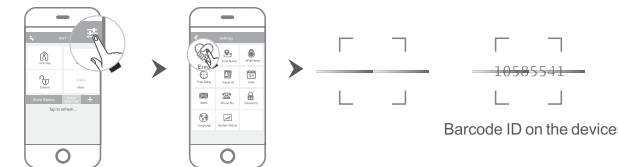
Step 4: Connect the Panel with APP

The panel should react in 1 minute after Disarm or Arm message sent from APP. If not, please shut down the panel. Turn on again and push the button at the same time until the Panel sounds DI, DI..... Then try to connect the panel with APP again.

Step 5: Register devices

Barcode ID on the devices

Enroll by APP
Enter the **Enroll** in APP, and scan the barcode on the accessories. Or the accessories can be enrolled by input the ID in APP.
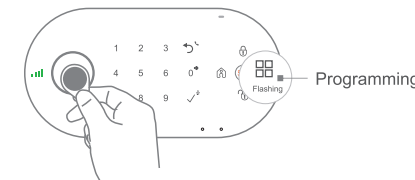
Enroll by Panel
As panel in **Programming** status, Press, the numbers will be lighted line by line 147-258-369. Trigger the accessories, the panel will receive the signal for enrolling with voice guide "Enrolling success!" and show the enrolled zone by lighting the numbers on the keypad.

▲ **Enter programming: Press until the panel sounds "Enter Password". Input password(default 1234) and then press ✓ .**
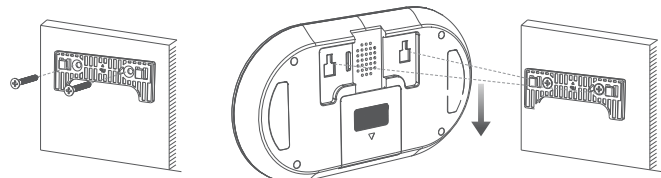
Enroll /Delete RFID card
Enter into programming, approach the RFID to panel(the blue circle) until it sounds "Enrolling success!".
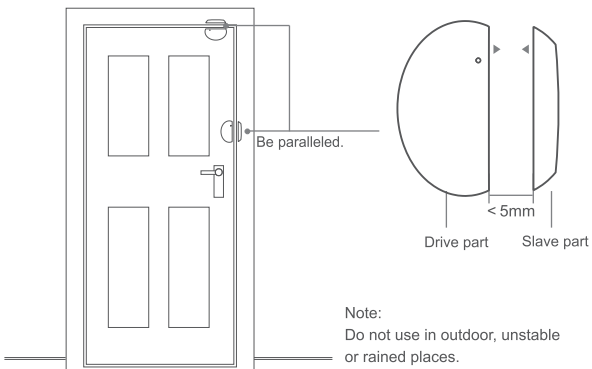Approach the enrolled RFID to panel again till the panel sound "DI....." to delete it.
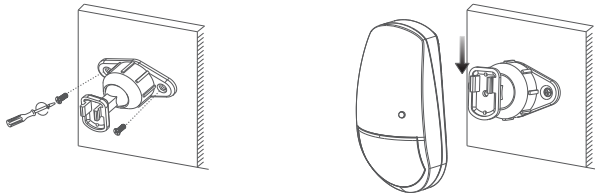
Programming

Step 6: Mounting and testing

Suggested mounting places as below:

Bedroom
Bedroom
Kitchen
Living room
Front door
Bedroom

⚠ Before fixing the system, please test the communication signal between the panel and accessories.

Signal testing: When the panel is in programming status, press ⊙ until the number buttons flash line by line 123-456-789, which means the panel enters into wireless signal testing status. Trigger the enrolled accessories, the panel will sound DI, DI, DI to indicate the signals well received.

Note:
1. Install the panel in the center of the accessories.
2. Install the accessories near the door or windows to make sure the intruders will cross the protected area.
3. Install the magnetic contacts on the wooden door to make sure the transmitting signal will not be affected.

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3 Mounting Instruction

Panel Mounting

Screw the bracket to the wall.   Slide the panel to the bracket.
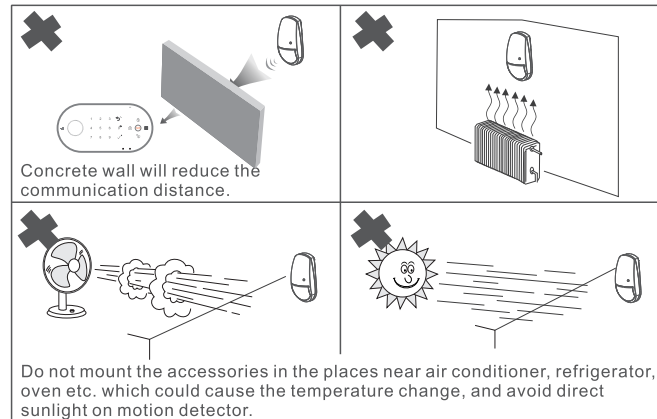
Magnetic contact mounting

Be paralleled.

< 5mm

Drive part   Slave part

Note:
Do not use in outdoor, unstable or rained places.

Motion detector mounting

Fix the bracket.   Slide the detector to the bracket.

Installation note

Concrete wall will reduce the communication distance.

Do not mount the accessories in the places near air conditioner, refrigerator, oven etc. which could cause the temperature change, and avoid direct sunlight on motion detector.

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4 Functions

☎ **Calling**
Press ↰, input phone number and confirmed by pressing ✓# .

✉ **Recording, Playing recording**
Press ✓# to record. Local recording and remote recording are optional.

📱 **Tele-control via cell phone**
Users can remote control the control panel via cell phone, such as arm-away, arm-stay, listening, recording, and playing recordings, etc.

🎤 **Alarming recording** The voice recordings in the alarm call.
Enter programming, Input 00 + ✓# , the recording button will flash, then start recording for 20s. Input 01 + ✓# to play the recording.

📵 **Low Voltage warming**
Cell phone will send SMS as **xx wireless detector low voltage.**

🔁 **Periodic supervision**
Periodic supervision for wireless PIR and magnetic switch, and the SMS Wireless zone loss.

🚪 **Window/door open remind(Defaulted value is OFF)**
The system will detect the situation of Magnet and remind users "Door or Window is Open" before users arm the system.
Enter programming, input 701+ ✓# to turn on this function and 700+ ✓# to turn off it.

💬 **Event log**
Event log can be checked on APP.

🔧 **Restore the defaulted password and clear all the phone numbers without changing the zones.**
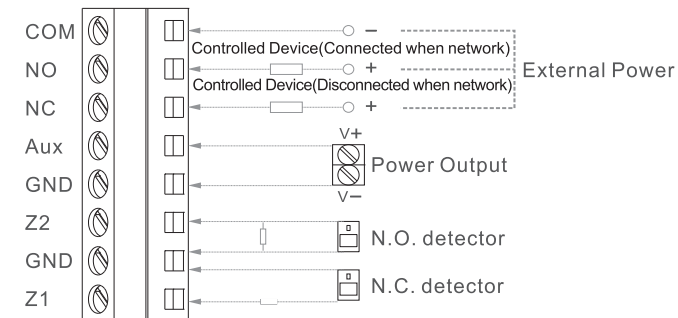Keep pressing ⊙ , and power up the panel until the panel sounds "DI......"

🏠 **Restore the factory defaults**
Enter programming, input 970 + ✓# to restore the factory default.

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5 Appendix

External Devices Connecting Diagram

COM
NO
NC
Aux
GND
Z2
GND
Z1

Controlled Device(Connected when network)
Controlled Device(Disconnected when network)
External Power

V+
Power Output
V−

N.O. detector
N.C. detector

Features

➢ 32 wireless zones, 2 wired zones
➢ Support 16 RFID , 8 keyfobs
➢ 2 wireless sirens
➢ Relay output x 1,Aux power output x 1
➢ 6 phone numbers and 6 SMS numbers
➢ 3 codes：1 for installer，1 for user code，1 for duress
➢ 40 event log
➢ Supervision function
➢ Door/window open reminder
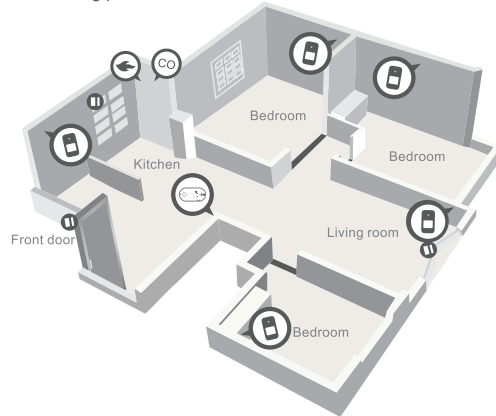➢ RFID for arm away/disarm

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Technical Parameters:
1. Power adaptor: Input 100V- 240VAC 50/60Hz 0.3A, Output: 12VDC 1A
2. Static current: ＜100mA@12V(not include wired detectors current)
3. AUX power output:
   Working voltage: 12VDC(AC10-12V,Only battery DC6-8.4V,
   Working Current: 70mA~100mA
4. Backup battery capacity: 950mAH/3.7V ×2
5. Wireless frequency: 433MHz / 868MHz±0.5MHz
6. Detector/Magnetic contact/Keyfob wireless distance: ≥100m(with no obstacle)
7. Siren wireless distance: ≥50m (with no obstacle)
8. Built-in siren: 80dB
9. Relay output max load: DC 24V/1.0A
10. Battery life: 12h
11. GSM frequencies: 850/900/1800/1900

Trouble Shooting

Troubles	Reasons	Solutions
No call for alarm	Wrong telephone number	Set correct number
	Line is busy	Set 2 or more numbers
Keyfob cannot operate the system	Battery is drained	Replace with new battery
Wireless device cannot be supervised	Not be registered or be cleared.	Register again
	Too long distance or obstacle between keyfob and panel	Adjust the distance and angle
Power indicator is off	AC power disconnects or bad connects	Check the AC power connecting
The system has no feedback when the zone is triggered	Zones are bypassed	Cancel zone bypassed
	When disarm, zone type 4.5.6 do not alarm; arm-stay zone type 5 does not alarm	Operate normally
During walk test, re-trigger for detector cannot be realized after 1st trigger	There is a sleep period of 5 minutes for detector to save battery between 2 triggers	Wait 5 minutes after the 1st trigger
SMS setting, system reply error	False command	Use correct command
	System is alarming	Reset after disarmed