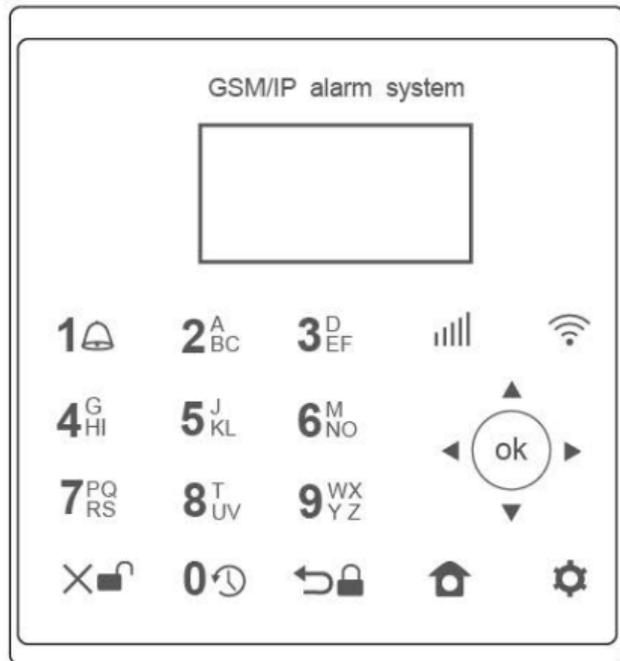




WIFI/GPRS/GSM IP alarm system

User Manual

Before using IP alarm system,
please ensure to
read user manual completely and
keep it for future reference



Preface

Thank you for purchasing our WIFI+GSM alarm system. Please read through this manual before using this product so as to operate the product properly.

Our system adopts the newest dual WIFI+GSM module, which are responsible to transmit the data via WIFI network or GPRS network.

Perfect structure, convenient installation, easy operation with wireless control keyboard are designed for the idea of people-oriented, which will make you feel easy and comfortable while using this system. You only need to install the different sensors on the door or window, and preset necessary data on the panel. When any sensor is activated under arm status, the system will push the alarm notification via internet by WIFI or GPRS network. Of course, it will make alarm call and SMS to owner's telephone number immediately. What you need is to insert a local SIM Card, or connect WIFI network by AP link on the APP

Attention

- 1) Please make sure your WIFI frequency 2.4G
- 2) Please be sure to program the system at the place with strong WIFI signal
- 3) Please be sure there is no other interference to effect setting of the system
- 4) It is difficult for the system to be compatible with all brands of mobile phone all over the world, Main brands like iPhone, SAMSUNG, HUAWEI, XIAOMI, OPPO will be recommended by manufacturer.

Contents

1. Brief function.....	1	15. Zone Active/Inactive.....	8
2. LCD mark instruction.....	2	16. Siren time.....	9
3. Front instruction.....	2	17. Zone type.....	9
4. Back instruction.....	3	18. Zone name.....	9
5. Wire terminal diagram.....	3	19. Delay set.....	9
6. System Menu.....	4	20. History Inquiry.....	10
7. Main menu.....	4	21. CMS Upload	10
8. Call No. Setting.....	4	22. Understanding of IOS/Android APP.....	11
9. SMS No. Setting.....	4	23. Camera.....	14
10. Add Accessory.....	6	24. The principle to calculate the APP operation success or fail.....	14
11. Password.....	7	25. Understanding for the connection of wire sensor with the system.....	15
12. Timer Setting.....	8	26. Maintenance.....	15
13. Factory Default.....	8	27. FAQ.....	18
14. Zone number.....	8		

Brief Function

- Adopt low power consumption of WIFI/GSM module, which is perfectly compatible with Cloud server and push server of system
- Internet plus IP alarm system with word menu on the LCD display
- Be compatible to WIFI/GPRS/GSM/SMS network. It will be priority to work under WIFI network, switch to GPRS/GSM then if WIFI is failure
- 39 wireless/wire zones for various of accessories, for example, wireless door sensor, wireless keypad, wireless strobe siren, wireless socket, wireless relay etc
- Android + IOS APP application easily control
- Notification push to application of smart phone within 1 second for burglarproof alarm, anti tamper alarm, low voltage alarm etc
- Alarm+IP camera integrated in one app. User can check remotely what happened real time via IP camera after get the alarm push/call/SMS quickly by click MONITOR button on the app
- Supports Latin ABC input on the keypad for zone name
- Program zone attribution remotely on app directly, for example, siren on/off, zone name, bypass or not, delay setting etc anytime anywhere(only for admin ID)
- Supports 1 group of admin ID and 10 groups of User ID with different authority
- Advanced one-key AP link for WIFI network

Specification

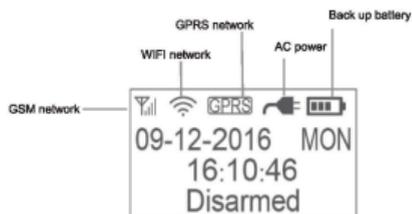
- Power supply: input AC=100 ~ 240V, output DC =5V
- Static current: <50mA (when not in charging , excluding wired detectors)
- Alarm current: <120mA (excluding wired siren)

- GSM transmission power: 2W
 - WIFI frequency: 2.4G, built-in wireless internet protocol IEEE802.11b/g and TCP/IP protocol stack
 - WIFI receiving sensitivity: -86dbm; Emitting power: 18dbm
 - GSM frequency: 850/900/1800/1900MHZ
 - GPRS class 12, max 85.6kbps
 - Backup li-lion battery: 3.7V/1300MA/H;
- Standby: 9-10 hours (transmitting data to server); Charge: 5 hours full for 0.5C
- Wireless receiving distance: > 100 meters (open space)
 - Wireless transmission distance: > 100 meters (open space)
 - Work condition: Temp -10 ° C ~ 70 ° C , RH 5% ~ 95%

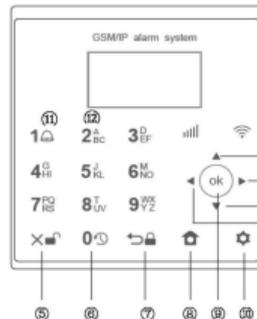
About the main panel

The main panel should be installed in the center of protected areas could receive the signal very well from WIFI router and wireless sensors. Please attention to keep the main panel away from metallic objects, steel-reinforced concrete, fireproof door, home appliance or any electricity device with high frequency interference

1 LCD mark instruction

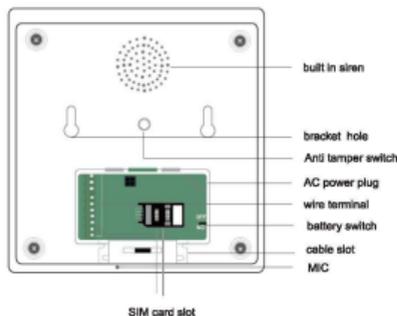


2 Front instruction

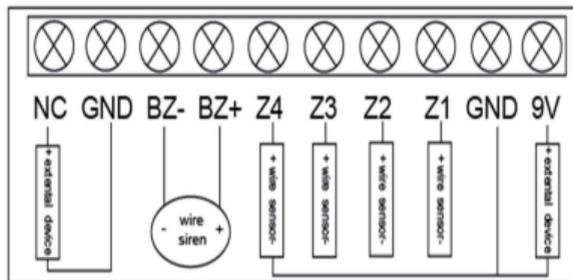


- ① up
- ② right & toggle key
- ③ down
- ④ left
- ⑤ delete & disarm
- ⑥ button 0, logs & space bar
- ⑦ Back & away arm
- ⑧ Home arm
- ⑨ confirm
- ⑩ menu button
- ⑪ number 1 & SOS
- ⑫ number 2 & letter input

3 Back instruction



4 Wire terminal diagram



NC,GND: Normal Close. It is used for external motor required NC type signal from panel

BZ-,BZ+: It is used for wire siren. Positive to BZ+, negative to BZ -

Z4-Z1,GND: It is used for wire sensor. Signal cable to Z4, COM cable to GND. Total supports 4 wire zones from Z4 to Z1

GND,9V: The system can provide 9V voltage for wire sensor, or external device

Specification

● Step 1: SIM card installation

1)Insert 2G SIM card without pin to the SIM slot at the back of panel if you need GSM call alarm or SMS alarm function

● Step 2: WIFI setting for the system via APP

1)Free download APP from Google Play with keyword: "WiFi-GSM IP alarm system"

2)Open APP and click"WiFi Setting", input "WiFi name", "WiFi password" and "UID"

3)Power on battery of the alarm panel. Panel will be on WIFI SETTING status if the WiFi LED flashes

4)Press 'CONFIRM' button on APP when the WIFI LED light flashes.

5)Panel will restart once get WIFI information from APP,and WiFi icon will appear on LCD

● Step 3: System setting

After WIFI set successfully, user can program the system refer to the system menu

System Menu

● 1 Password To The Menu

Press the menu button on the panel, input the password to program the system. The default password is 1111

Password Require

● 2 Main menu

Call No.Setting
SMS No.Setting
Add Accessory
System Setting

Zone Setting
History Inquiry
CMS Upload
Time Zone

●2.1 Call No. Setting

System allows to set max 6 groups of call alarm numbers. Once alarm happened, the system will make calls to them one by one. User can move by click the right button or left button, input the alarm numbers, and confirm by "OK" button (note: Both the panel and APP will be synchronized each other)

*Call No.Setting
SMS No.Setting
Add Accessory
System Setting

Call Alarm No.:
1.1234567890
2.
3.

4.
5.
6.

●2.2 SMS No. Setting

The menu will include the following 3 functions, user can move the menu and confirm by press "OK" button

Call No.Setting
*SMS No.Setting
Add Accessory
System Setting

SMS Alarm
Power On/off SMS
LOW-Voltage SMS

2.2.1 SMS Alarm

User can set total 6 groups of numbers to get SMS notification for the variety of burglarproof alarm information. For example, PIR sensor alarm, door sensor alarm, smoke sensor, water sensor alarm, panic button alarm etc

SMS Contents Format

Once alarm happened, the system will send SMS one by one with the following format: [Zone]+[A]+[B]+[alarm], A=zone number, for example 25

B=zone name, for example door sensor

So the content you will receive: zone 25 door sensor alarm

Call No.Setting
*SMS No.Setting
Add Accessory
System Setting

*SMS Alarm
Power On/off SMS
LOW-Voltage SMS

Input SMS No:
1.
2.
3.

4.
5.
6.

2.2.2 Power On/Off SMS

User can set 1 group of number to get SMS notification for the failure or recovery of AC power

SMS Contents Format

AC Power is failed

AC power is recovered

SMS Alarm
*Power On/off SMS
LOW-Voltage SMS

Input SMS No:
1.00123456789

2.2.3 Low-Voltage

User can set 1 group of number to get SMS notification for low voltage of back up rechargeable battery inside of panel.

SMS Response Contents

Host Low-Voltage

SMS Alarm
Power On/off SMS
*LOW-Voltage SMS

Input SMS No:
1.00232344234

2.3 Add Accessory

User can add the remote control and wireless detector by choose the corresponding menu

Call No.Setting
SMS No.Setting
*Add Accessory
System Setting

Add Remote
Add Detector
Delete Remote
Delete Detector

2.3.1 Add Remote

Press add remote, you will see the LCD show "please trigger remote control", and then you can press disarm button on the remote control. The LCD will show "please trigger again". Finally you can press it again to end this operation

*Add Remote
Add Detector
Delete Remote
Delete Detector

Please Trigger
Remote Control

Please Trigger again

2.3.2 Add Detector

Choose add detector, and press the OK button to confirm. You will see the LCD show "Zone number (1-39)", you can input any zone number directly for the detector. Press OK button to switch to next step "Please trigger detector", at this time, please try to trigger the detector and you will see that LCD show "please trigger again". Finally you can trigger it again to end this operation

Add Remote
*Add Detector
Delete Remote
Delete Detector

Zone Number
(1-39):

Please Trigger
Remote Control

Please
Trigger again

2.3.3 Del. Remote

Choose Del remote control, and press OK button to confirm. you will see the LCD show "Success", it means all remote control will be deleted

Add Remote
Add Detector
*Delete Remote
Delete Detector

Success

2.3.4 Del. Detector

Choose Del. detector, you will see the LCD show "Zone number (1-39), you can input the zone number of corresponding detector you want to delete. Press OK button to confirm, finally the LCD shows "Success".

Add Remote
Add Detector
Delete Remote
*Delete Detector

Zone Number
(1-39):

● 3. System Setting

This part of menu will include Password ,Timer Setting , Factory Default.

Call No.Setting
SMS No.Setting
Add Accessory
*System Setting

Password
Timer Setting
Factory Default

●3.1 Password**3.1.1 Admin Password**

*Password
Timer Setting
Factory Default

Admin Password
User Password

New Password:

It is required when user enter into the main menu, arm, disarm, and control home appliance device, which is only kept by administrator.:

3.1.2 User Password

It also can be used to arm, disarm and control home appliance for authorized users, but it can't be used to enter into the menu.

User A: DIY user name freely with Latin letter or Arabic numerals, which can be switched via Right button. (total 10 groups of users from A to J)

Password: 4 digits

Admin Password
*User Password

User A:
A
Password:
123 >

3.2 Timer Setting

Password

*Timer Setting

Factory Default

Group 1

Group 2

Group 3

Group 4

Home arm: 09:30

Disarm: 18:30

Week: SUN >

Timing: OFF >

3.3 Factory Default

User can choose menu "factory default" to reset the system. All data and operation will be clear.

Password

Timer Setting

*Factory Default

Success

4. Zone Setting

*Zone Setting
History Inquiry
CMS Upload
Time Zone

Zone Inactive >
Siren Time
Zone Type
Zone Name

Zone Number
(1-39):

Delay Set

4.1 Zone Number

User can choose any zone number from 1-39, and press OK button to confirm.

*Zone Setting
History Inquiry
CMS Upload
Time Zone

Zone Number
(1-39):5

4.2 Zone Active/Inactive

Zone active: The zones will be working and active for any alarm

Zone Inactive: The zones will stop working and Inactive for any alarm

*Zone Inactive >
Siren Time
Zone Type
Zone Nam

Zone Number
(1-39):5

●4.3 Siren Time

User can set the siren duration from 00 min to 30 mins.
 00 min: the siren won't give off sound
 30 mins: the siren will give off sound for ,30 mins

Zone Active >	
*Siren Time	Siren Time
Zone Type	(00-30mins): 01
Zone Name	

●4.4 Zone Type

Away Arm: All detectors will trigger alarm when the panel is away armed and home armed, but not working when the panel is disarmed
 Home Arm: All detectors won't trigger alarm when the panel is home armed, but work when the panel is away armed. Of course, they won't work also under the disarmed status
 Emergency: All detectors will trigger alarm no matter when the panel is away armed, home armed or disarmed

Zone Active >	
Siren Time	
*Zone Type	1.Home Arm
Zone Name	2.Away Arm
	3.Emergency

●4.5 Zone Name

User can name for zone with letter and numbers, switched to ABS or 123 by press right button
 . The max length for zone name is no more than 16 digits

Zone Active >	
Siren Time	
Zone Type	
*Zone Name	New Zone Name:
	David Office 1st
	abc >

●4.6 Delay Set

4.6.1 Alarm delay & Arm delay (00-99s)

User can set time for delay alarm or delay arm from 00 to 99 seconds

*Delay Set	*Arm Delay
	(00-99): 10
	*Alarm Delay
	(00-99): 10

● 5 History Inquiry

Alarm logs: It will show alarm information, including date, time, zone name and zone number

Zone Setting
*History Inquiry
CMS Upload
Time Zone

Alarm Logs
Arm/Disarm Logs

Arm/Disarm logs: It will show operation information, including date, time and operator

*Alarm Logs
Arm/Disarm Logs

001 log >
Time:09-24 17:32
Alarm Zone : 15
Door alarm

Alarm Logs
* Arm/Disarm Logs

001 log >
Date:09-24
Time:17:32
Disarmed

● 6 CMS Upload

Zone Setting
History Inquiry
*CMS Upload
Time Zone

CMS Upload
ON >

● 7 Time Zone

Zone Setting
History Inquiry
CMS Upload
*Time Zone

Time Zone -1

Time Zone 13

Time zone is used to adjust time correctly because of the time difference. User needs to input the number as per the following format for correct time.

Format: Time zone+12

For example, France is in zone 1 East. So here we need to input 13 (1+12).

China is in zone 8 East, so here user in china need to input 20 (8+12)

If it is in Zone 3 West, you can input 9 (3-12)

Understanding of IOS/Android APP

1 APP download

User can download freely the application from Google play or Apple store and install on the smart phone by source the following keywords. Remotely program, Arm and Disarm will be more easier and smarter

Keywords

Google play: WIFI-GSM IP alarm system

Apple store: WiFi-GSM IP alarm system

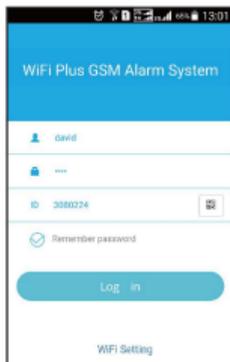
2 How does alarm panel connect with WIFI via android APP

Step 1: Start smart phone connected to WIFI

Please make sure your smart phone connected with WIFI already. Because we need to send your WIFI name and password to alarm panel via app on the phone.

Step 2: Run APP

Open APP on the smart phone, Click WiFi Setting button at the



bottom of APP login interface

Step 3: Input the required information on WIFI setting interface

User name

You can edit any name there

Password

it is only allowed to input the password which set on the system before. The system supports 1 admin password, 10 user passwords.(the default password is 1111)

SSID

You can choose the local WIFI network you are using.

WIFI password

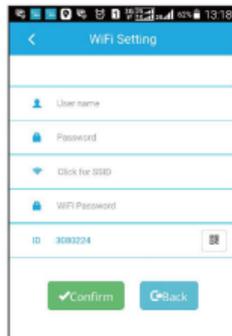
input the WIFI password

ID

You can input by scan the QR code at the back of panel. Each panel will be with unique ID number

Step 4: Start WIFI setting status on the alarm panel

Switch on the battery of alarm panel, you will see "ID number"



appeared on the LCD display. The alarm panel will start the WIFI setting status when WIFI LED light starts flashing.

Step 5: Changes on the alarm panel and smart phone

Please press "Confirm" button on the APP wifi setting interface when the alarm panel on the WIFI setting status, you will see that alarm panel will restart automatically, and a request coming on your smart phone, for example "A new device connection request" or similar indication, please agree with it.

Step 6: WIFI connected successfully

If WiFi icon appears on the LCD display, which means the system is connected with WiFi successfully.



3 How does alarm panel connect with WIFI via IOS APP

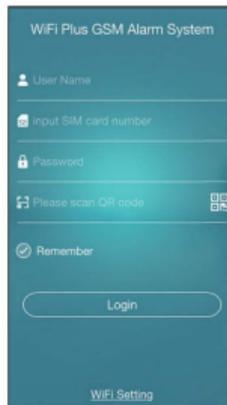
Step 1: Go to the "settings" on Iphone

Connect Iphone to the hotspot with JHF+ID firstly by input password "PW+ID"

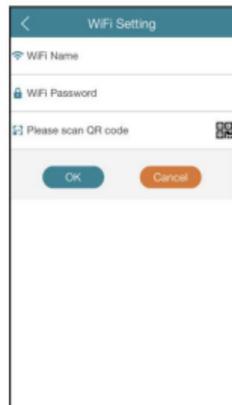


Step 2: Run APP

Open APP on the smart phone, Click WiFi Setting button at the bottom of APP login interface



Step 4: Start WIFI setting status on the alarm panel
Switch on the battery of alarm panel, you will see



"ID number" appeared on the LCD display. The alarm panel will start the WIFI setting status when WIFI LED light starts flashing.

Step 5: Changes on the alarm panel and smart phone

Please press "OK" button on the APP wifi setting interface when the alarm panel on the WIFI setting status, you will see that alarm panel will restart automatically

4. Log in on the APP

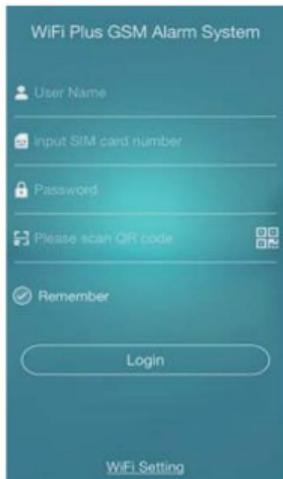
Go back to App login interface, and make sure your smart phone is connected with WIFI already. Input the user name ,password, click the LOG IN button, you will see the functional interface

Disarm: It is used to stop alarming, and also all zones won't work if you trigger any sensors. Except for emergency zone.

It will be changed with orange color for each successful operation.

It means panel is disarmed successfully or panel is on disarm status now

Arm: All zones will work after you press Arm button, which means all zones will give off alarm if you



trigger any sensors

If it is changed with orange for each successful operation. It means panel is armed successfully or panel is on arm status now

Home Arm: Home arm zone won't work after you press Home arm button, which means it won't give off alarm if you trigger the sensors at home arm zone. But other zone will work normally

If it is changed with orange color for each successful operation. It means panel is home armed successfully or panel is on home arm status now

Listen In: You can click it to make a call to alarm panel, so that you can hear what happened there



:Red means the linkage between APP and Alarm panel is failed

White means the linkage success

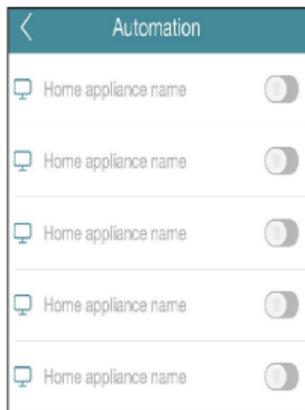


 : App will send heartbeat signal each 5 min to contact with cloud server. Red means failed this time or the previous status. White means success

 : Red means the voltage of panel battery is low

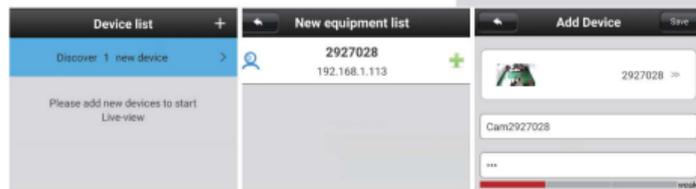
 **Automation:**
It is used to control home appliance via wireless ON/OFF relay signal. APP provides max 20 groups of signal for max 20 pcs of device.

 **Camera:**
Firstly, It will ask you to install the APP of IP camera from Apple Store automatically.
Secondly, you need to connect the internet LAN to the IP camera



Thirdly, you can enter into log in interface of IP camera, please register the account by mobile or email, we advise you to try mobile.

Fourthly, you will see 1 new device discovered on the app, and click it to add with default password: 123.



5. The principle to calculate your operation on APP success or fail

- 1) The function button should be changed with orange color
- 2) App appears "success" indication for each operation.
- 3) If app appears "no response, please check whether network or panel is available, please redo it to ensure above 2 points principle for 100% successful operation



Understanding about GPRS setting on APP

- 1)) The first line: Input the access point names of the SIM card
- 2)) User name: Input the user name of access point name (APN)
- 3)) APN password: Input the APN password of the SIM card carrier
- 4)) Message center number: Input the message center number of the SIM card carrier.(it is not must information for GPRS setting)

Attention:

For most of main country, the system can recognize the GPRS network, it will connect to GPRS network automatically.so no need to set GPRS data anymore

Understanding for the connection of wire sensor with the system

Adding 1 pc of wire door sensor to zone 28, take Z4 for example:

Step 1: Connect the wire sensor positive to Z4, and negative to GND

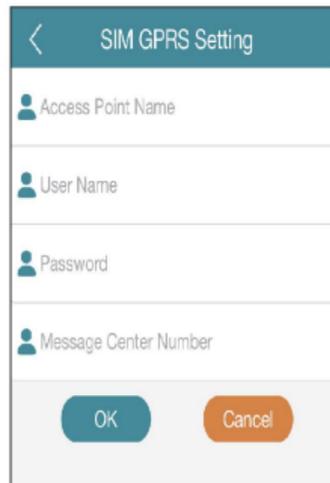
Step 2: Switch to system menu "Add Accessory", and choose "zone number: 28", press"OK" to confirm

Step 3: Trigger wire sensor to send signal twice

Step 4: LCD showing "success"

Maintenance

Alarm system is in use everyday, but must also conduct regular maintenance periodic testing. In order to ensure the alarm system works well, the main panel needs to comprehensive detection every 3 months, detectors tested monthly



← SIM GPRS Setting

Access Point Name

User Name

Password

Message Center Number

OK Cancel

1 Host checking

- ① Arm/disarm normally or not
- ② Whether it can call or SMS after trigger sensor
- ③ Whether it can receive the signal from the sensor normally
- ④ Check regularly whether enough money in the SIM card

2 Sensor checking

- ① Trigger detector by hand, check whether it can be triggered or not
- ② Check the batteries every 3 months

FAQ

1)What we do if the panel restarts automatically again and again

——Please check whether there is enough money in the SIM card. The system will restart again and again if no data sent to clouds server.

——Please check whether the panel is low voltage or not

Solution:

——Save enough money in the SIM card

——Connect the system with WIFI

——Connect the system to AC power to charge

2)Why the system will restart when i set WIFI password on the app

——Yes, once the system get the WIFI password successfully , it will restart. User also can see coming WIFI mark on the LCD display

3)what is the password i need to log in on APP

——The password is admin password or user password. There is total 1 admin password and 10 users password in the system. The default admin pass word is 1111.

4)How to start GPRS network

- Firstly you need to consult with your SIM card carrier for the ACCESS POINT NAME, its USER NAME, and APN password
- Secondly, After WIFI connection success, you need to go to the menu *SIM GPRS ATT.: For most of main countries, the system can connect GPRS network automatically. No need to set GPRS data

Note

Don't dismantle, repair or renovation products, otherwise any accidents happened

Don't open the system without permit for warranty items. If there is any questions about the operation, don't hesitate to contact your local seller or manufacture by email. We or our agent will response to you within 24 hours