MOBILE CALL
GSM Alarm System

USER'S MANUAL

For a better understanding of this product, please read this user manual thoroughly before using it.

MOBILE CALL
GSM Alarm System

CONTENTS

Function Introduction

[Function Instruction]

- 7 wired and 99 wireless defense zones;
- LCD screen with time clock display;
- Voice prompt for all operations;
- 3 groups of timely arm and disarm;
- Can store 6 phone numbers when alarming, system will make alarm call to these numbers automatically;
- Can store 3 SMS numbers: when alarming, system will send alarming SMS automatically;
- 10-second automatic message recording;
- Built-in artificial intelligent digital voice announcer;
- Built-in artificial English message;
- Users can make calls by using keypad on alarm panel, just like a telephone;
- One-key-control function: Out Arm, Home Arm, Remote Arm;
- Arm/ disarm by SMS or call remotely;
- SOS, fire, gas, door, hall, window, balcony and boundary places alarm;
- Real-time, delay, 24 hours, bypass defense zones programming function;
- Wireless coding: easy to add additional wireless accessories;
- Remote control Arm, Disarm, Monitor, and Intercom by phone;
- SMS alert for power failure or recovery;
- Built-in AAA Ni-Hi rechargeable battery: make alarm when power off

[Alarm Host Diagram]

In order to make the main unit get the wireless signal well for all wireless accessories, please put the alarm host at the central place of your defense area.

Make sure it's away from large metal objects and house hold appliances which may cause high frequency interference, as well as barriers such as reinforced concrete wall or fire door, etc.

Alarm Host Diagram

Alarm Panel front schematic diagram:

Alarm Panel back schematic diagram:

Wired terminal block:

Alarm Host Diagram

1	LB-	Positive of two-way speaker (red cable)
2	LB+	Negative of two-way speaker (black cable)
3	12V	12V Output Port (Positive)
4	GND	Ground
5	Zone 1	Wired sensor 1: support both NO and NC
6	Zone 2	Wired sensor 2: support both NO and NC
7	Zone 3	Wired sensor 3: support both NO and NC
8	Zone 4	Wired sensor 4: support both NO and NC
9	Zone 5	Wired sensor 5: support both NO and NC
10	Zone 6	Wired sensor 6: support both NO and NC

1	SIM	Put SIM card in this card slot
2	Siren	Plug in siren connector
3	Power	Connect to the external power supply
4	Switch	Switch for backup battery. Turn it on then power on

Note:
1. "LB -" and "LB +" are to connect external speaker. If you think the internal speaker is not loud enough, please contact us for professional speakers.
2. Connect one cable of the wired sensor to GND and the other to "Z1/Z2/Z3.../Z6"

Alarm Host Diagram

LCD display:

[Functions Settings]

1. Initialization

Please insert SIM card and plug in power adaptor, and then power on the system, all the LED lights will be on for 2 seconds and you will hear a long beep; the system comes into initialization. After the time clock displays on the LCD screen, the GSM starts flashing and the main unit starts to detect the GSM network until a long beep.

Then the GSM indicator goes out indicating the system comes into disarm status.

Finally, turn on the backup battery switch.

2. Enter Settings

In the state of disarm, input 4-digit password by the keypad on the main unit and press (#) button to confirm. You will hear a voice prompt: please enter instruction. At the same time, [SET] indicator is on without flashing and (0000) displays on the screen, indicating the system enters setting status. You can perform different settings repeatedly as long as the system keeps in setting status. The system will exit setting mode and return to disarm status if you don't press any keypad button for 40 seconds.

Functions Settings

Note: In setting status, press [ ] can delete the numbers input. The system default password is (8888).

Operating method [XXXX] [#]
X indicates the new 4-digit password.
LCD display:

3. Exit Settings

Press [ ] and [#] button, the main unit emits a long beep and exits settings. The [SET] indicator goes out and the system returns to disarm state.
Operating method: [ ] + [#]

4. Factory Reset

In disarm status, use keypad to input [95175308246] and press (#) to confirm, all the LED indicators will be on for 2 seconds and you will hear a long beep. The main unit gets all its settings cleared and restores to its factory settings successfully.
Operating method: [95175308246] + [#]

5. Coding of Remote Controller

The remote controller has to be code to the alarm host in order to perform normally.

In setup state, use keypad to input [20], input the remote controller number (1~8), and then press (#) button to confirm. The main unit emits a long beep and you will hear "remote control coding". The [ ] indicator is in without flashing; press any button on the remote controller, the main unit makes a long beep and you will hear "coding completed", the [ ] indicator goes out, indicating the remote controller succeeds in coding.
Operating method [20]+(A)+(#)
A indicates: 1~8 remote controllers number.

Functions Settings

You can add maximum 8 remote controllers.

LCD display:

6. Delete Remote Controller

The remote controller can't control the main unit after it's deleted.

In setup state, use keypad to input [21], then input the remote controller number (1-8), and then press (#) button to confirm. The main unit emits a long beep and the [Signal] indicator flickers once. You will hear a voice prompt "delete completed".
Operating method: [21] +(A)+ [#]
A indicates: 1-8 remote controllers number.

7. Coding of Defense Zone

Wireless detectors have to be coded to the main unit in order to trigger alarm.

In setup state, use keypad to input [23], input the defense zone number you want to code (01~99), and then input [#] to confirm. The main unit emits a long beep and the corresponding defense zone is displayed on the screen. You will hear a voice prompt: "detector coding".

Then trigger a wireless detector to emit a wireless signal after receiving the signal, the main unit makes a long beep, and you will hear "coding completed", the [ ] indicator goes out at the same time.
Operating method: [23]+(XX)+(#)
XX indicates: 01 –99 defense zones number.
LCD display:

Functions Settings

8. Delete Defense Zone

The wireless detector can't control the main unit after it's deleted.

In setup state, use keypad to input [24], then input the defense zone number you want to delete (01~99), and then input (#) to confirm. The main unit emits a long beep and the defense zone indicator flickers once.

You will hear a voice prompt "delete completed".
Operating method: [24]+(XX)+ [#]
XX indicates: 01 –99 defense zones number

9. Change Password

1) Change Operation Password

Operation password is the password used to disarm or remote control.

In setup status, use keypad to input [30], then input the 4-digit new password, and then press (#) to confirm. The main unit will make a long beep and you will hear a voice prompt "setting completed".
Operating method: [30] +(XXXX)+ (#)
XXXX indicates: the new 4-digit password
For example: change the system password to 1012
Operating method: [30] +(1012)+ (#)
LCD display:

2) Change Program Password

Program password is the password you should input in order to setup the system.

In setup status, use keypad to input [31], then input the 4-digit new password, and then press (#) to confirm. The main unit will make a long beep and you will hear a voice prompt "setting completed".

Functions Settings

[Operation Instructions]

1. System status. There are 4 status as following

1) Arm: defense zone 1–99 will alarm when detectors are triggered
2) Home Arm: in arm status, the defense zone which is set as [Home Arm] will alarm when detectors are triggered.
3) Disarm: defense zone 1–99 will not alarm when detector triggered (except 24 hours defense zone)
4) System setup status: In this status, all defense zones will not alarm when detectors are triggered.

2. Remote Operation Operation

Users can use remote controller to set system as Out Arm, Home Arm, Emergency Alarm, Real-time Disarm and etc.

1) Out Arm: Press ■ button
2) Disarm: Press ■ button
3) Home Arm: Press ★ button
4) Emergency Alarm: Press ▲ button, system will alarm at once.

3. Home Arm

It means, for the safety, while somebody is at home, you need to enable the peripheral door, window, balcony and boundary detectors of the alarm system while prevent from triggering the indoor detectors, which may cause improper warning. then, you shall select Arm at Home, let just part of the detectors work and disable the other parts.

Main Unit Operation: Press [At Home] button on keypad
Remote Control Operation: Press [ ] button on remote controller
LCD display:

Technical Parameters

[Technical Parameters]

List 1:

Input Voltage	DC12V/1A
Standby Current	<55mA
Alarming Current	<450mA
Wireless Frequency	315/433MHz, PT2262/EV1527, 4.7MΩ
GSM Frequency	900/ 1800/ 1900MHz
Back-up Battery	NI-HI AAA*6 DC7.2V
Siren Volume	110dB

List 2:

Defense Zone	Out Arm	Home Arm	Type	Alarm Information	Siren
Zone 1	effective	invalid	real-time	Door alarm	alarm
Zone 2	effective	invalid	real-time	Hall alarm	alarm
Zone 3	effective	invalid	real-time	Window alarm	alarm
Zone 4	effective	effective	real-time	Door alarm	alarm
Zone 5	effective	effective	24 hours	Fire alarm	alarm
Zone 6	effective	effective	24 hours	Gas alarm	alarm
Emergency zone	effective	effective	real-time	Emergency alarm	alarm
Zone 7-99	effective	invalid	real-time	Emergency alarm	alarm
Wired wireless zone (93-99)	effective	invalid	real-time	Emergency alarm	alarm
Operation Password	8888	Remote control		On	
Remote control password	1234	Siren		Off	
Siren sound time	180sec	Home Appliance		Optional	

Components list

[Components list]

Main panel	1pc	Remote controller	2pcs
Siren	1pc	PIR sensor	1pc
Door sensor	1pc	Power adapter	1pc
User manual	1pc		

[Care and Maintenance]

The alarm system has excellent design and uses advanced technologies. It shall be used with care. The following suggestions are required to maintain your obligations under the warranty terms, and for prolonging the service life of the system.

Place the control panel and all parts and accessories out of children's reach.

Keep the alarm system dry. Rain, humidity and various fluids or moisture all will corrupt the electronic circuit.

Do not use or place the alarm system in dirty locations, otherwise the electronic elements will be damaged.

Do not place the system in excessively hot locations.

High temperature will shorten the service life of electronic equipment, damage batteries, deform or even melt some plastic parts.

Do not place the system in excessively cold locations.

Other wise condensation many occur and damage the circuit board of the alarm system.

It is recommended that you check and test the alarm system periodically.

Care and Maintenance

Check the main unit every three months:

1. Whether it can arm/disarm normally;
2. Whether it can dial the number for alarm normally;
3. Whether it can receive wireless detectors' signal normally;
4. Whether the back –up battery can work normally.

Check the wireless detectors once a month:

1. Trigger wireless detectors to see if system can alarm normally;
2. Check all detectors' batteries to see if it's in low voltage;
3. Check whether wireless detectors can send signal to the main unit normally.

Check the SIM card:

1. Check the use of SIM card, such as network signal, balance, etc.
2. Make sure the PIN code verification of the SIM card is closed.
3. Please keep the password and SIM card number safe, in case that other people remote control the system illegally.

Since the alarm system is continuously in operation or standby mode, the supply adaptor of the control panel shall be connected to a safe and reliable socket.

Do not place the system near your bedroom or office table, because the siren will make high-loudness sound in the case of alarm, which may adversely affect your rest or work.

If the alarm system will not be used for a long time, please disconnect the system from the power supply.

Please do not disassemble, repair or alter the products without permission, or it may cause accidents and faults.

Care and Maintenance

Do not drop this product on the ground or on hard objects, as it may lead to massive impact to cause faults and damages.

Without approval and consent of relevant authorities, please do not set "110", "119" or the alarm phone number of police station for this main unit.

Please read the suggestions above carefully and follow the instructions herein. If any of the equipment does not work properly, please send it to the dealer or authorized service point for repair. We will try our best to solve the problem for you as soon as possible.

The Following Sensors Are Optional

Signal Repeater / Wireless Keypad / Wireless Outdoor Flash Siren / Glass Sensor / Panic Button / Remote Controller / Smoke Detector / Gas Detector / Wireless Pet Immune PIR Detector

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Care and Maintenance

Optional sensors/detectors are packed separately. They include remote controller, outdoor siren, transmitter, wireless PIR, wireless gap sensor, wireless gas detector, wireless smoke detector, panic button, baluster, etc. You can choose according to your specific requirements.

Typical house configuration