

GSM IV Intelligent Wireless Burglar Alarm System

User Manual

Thanks for choosing our product, please read this manual before use it

Chapter 1 Functions and Specification

1、 Main functions

Record 10 secs voice alarm message.

Setting fixed time for set /recall alarm system in main machine.

Main machine monitor ,talk function. Alarm receiver talk with people who be with main machine.

Both 16 wireless alarm zone and 5 wired alarm zone set around alarm zone, internal zone, 24 hrs zone, voice alarm zone and silent alarm zone to comply with kinds of place.

Wired alarm zone (open/close) set easily to comply with kinds of wired detectors.

Outlet siren port.

Wireless detectors work with main machine by couple learning code.

Make call or send message to set/recall main machine from long distance.

Pre-set 5 numbers for message alarm.

Pre-set 5 numbers for call alarm.

Pre-set 1 group sms alarm centre number and 1 group call alarm centre number.

Notice user by sms when power is off.

Control relay outlet when alarm out, to work together with power, video, etc.

High quality dual or quad frequency GSM/GPRS wireless industrial module.

Internal backup battery in main machine.

Whole wireless system. Install easily in garage, storage where fixed line unreachable.

2.Specification

1、 standby circuit current: 20mA

2、 Supply power: DC 9V—12V

3、 working temperature: -10℃ — +55℃

4、 Support GSM850/900/1800/1900MHz

5、 Receive mode: ASK

6、 Receive frequency: 315/433 /868/915MHz

7、 workable distance: 100 m (empty space)

8、 detectors comply with: 16 pcs

Chapter 2 mode of alarm zone

1.mode of alarm zone

remarks: 00—15 wireless alarm zone, 16—20 wired alarm zone, For each alarm zone,there are 7 kinds setting mode for different alarm message.

2. the relationship between setting mode and alarm zone

Set/recall system	Monitor alarm zone	No monitor zone	Suitable for
Set outside	Internal/around/24 hr zone	no	No body at home
Set at home	Around/24hr zone	Internal zone	People at home
Recall	24hr zone	Internal/around zone	Open to everyone

Remarks: when it is set outside. All detectors are under standby status. When it is set at home. internal zone detectors will not work ,only around zone and 24 hr zone are under standby status.

Chapter 3 Programming code settings

Remarks: □ means one digit number, 123456 is default password, if user changed password, then, it will change 123456 into new password.

Below 0—5 programming code for basic control (support call/sms)

*	Replay record voice
1#□#	Set/recall system □=0 recall ; □=1 set outside; □=2 set at home; eg: sms: 123456#1#0# ; recall the system
2#□#	Siren control □=0 close ; □=1 open;
3#□#	Monitor locale □=0 close; □=1 open ; remarks: under talking status only
4#□#	Talking locale □=0 close; □=1 open; remarks: under talking status only
5#□#	Relay control □=0 disconnect; □=1 connect;

Below 10—39 programming code (sms only)

10#User number #	The 1 st sms receiver eg: send message: 123456#10#13800138000# ; means set number 15905090000 to be the 1 st sms receiver, when alarm happen ,send message to this receiver number,
11#User number #	The 2nd sms receiver
12#User number #	The 3rd sms receiver
13#User number #	The 4th sms receiver
14#User number #	The 5th sms receiver
15#User number #	The 1 st call receiver eg: send message 123456#15#138001380005# ; set number 15905090005 to be 1 st call receive number, when alarm happen, call this receiver number.
16#User number #	The 2nd call receiver

17#User number #	The 3rd call receiver
18#User number #	The 4th call receiver
19#User number #	The 5th call receiver
30#new password#	Change password. eg: send message: 123456#30#123456# ; password change to be: 123456
31#□□□□#□□□□#	Set/recall system at fixed time. update system time eg: 123456#31# ; update system time eg: 123456#31#2200#0800# ; set system at 22: 00 recall system at 08:00.
33#□#	Relay connect or not when alarm happen. □=0 no; □=1 yes ; default : 1
39#□#	Menu language □=0 English; □=1 Chinese; default: 0 English

Below 40—50 settings for alarm centre (sms only)

40#message centre number #□#	For message centre □=0 set/recall don't notice; □=1 set/recall system notice; default: 0 eg: 123456#40#13800138000#0# ; set number 13800138000 to be message centre number, when alarm happen ,send message to this centre number.
41#call centre number #□□□□#□#	For call centre □=0 set/recall don't notice; □=1 set/recall system notice; default: 0 eg: 123456#41#13800138001#1234#0# ; set number 13800138001 to be call centre number. 1234 is main machine number. set/recall system don't notice. when alarm happen, call this number and send DTMF message.
42#set system centre#	For set system settings eg: 123456#42#13800138002# ; set number 15905091002 to be set system centre number. When system is standby, call this number, after 3 sound, then, be off line.
43#recall system centre #	For recall system centre eg: 123456#43#13800138003# ; set number 13800138003 to be recall system centre number. When system is recalled, call this number, after 3 sound, then, be off line.

Below 50—65 programming code for wireless zone (sms only)

50#□#zone name#	For alarm zone 00 1: □ mode of alarm zone; 2: zone name for message content 1mode of alarm zone: (details in chapter 2) □=1: internal zone voice alarm 2. zone name: remarks: within 12 Chinese words、within 24 English words, default: wireless alarm eg: 123456#50#4#door # ; wireless zone 00 is around zone voice alarm mode. Message content is “door”
51#□#zone name #	For alarm zone 01
52#□# zone name #	For alarm zone 02
53#□# zone name #	For alarm zone 03

54#□# zone name #	For alarm zone 04
55#□# zone name #	For alarm zone 05
56#□# zone name #	For alarm zone 06
57#□# zone name #	For alarm zone 07
58#□# zone name #	For alarm zone 08
59#□# zone name #	For alarm zone 09
60#□#zone name #	For alarm zone 10
61#□# zone name #	For alarm zone 11
62#□# zone name #	For alarm zone 12
63#□# zone name #	For alarm zone 13
64#□# zone name #	For alarm zone 14
65#□# zone name #	For alarm zone 15

Below 66—70 programming code for wired alarm zone (sms only)

66#□#zone name#□#	<p>For wired alarm zone 16</p> <p>1: □ mode of alarm zone;</p> <p>2: zone name for message content</p> <p>3: □ mode of act the wired alarm zone port.</p> <p>1mode of alarm zone: (details in chapter 2)</p> <p>□=1: internal zone voice alarm</p> <p>2. zone name:</p> <p>remarks: within 12 Chinese words、within 24 English words, default: wired alarm</p> <p>3 mode of action:</p> <p>□=0: shorted</p> <p>□=1: open</p> <p>default: 0</p> <p>eg: 123456#66#4#hall#1#</p> <p>wired alarm zone 16 is around zone voice alarm.message content: hall, port is shorted.</p>
67#□# zone name#□#	For wired alarm zone 17
68#□# zone name#□#	For wired alarm zone 18
69#□# zone name#□#	For wired alarm zone 19
70#□# zone nam #□#	For wired alarm zone 20

Chapter 4 Install Examples

4.1. Hardware and system description

Install a infrared sensor for hall, a wireless door sensor for door, a wired door sensor for strobe, a smoker sensor, 2 remote, 1 sms receiver number: 1380013800, a call receiver number: 13800138001

remarks: sms receiver: send message to this receiver number when alarm out; call receiver: call this call receiver number when alarm out.

4.2. Install processing (Installation and Setup)

Install accessories with the base panel

- Insert SIM card into card slot at the base of base panel.
- connect with siren (this is optional, make sure the ground and positive pole not reversed)
- fix antenna – make sure the contact points contacted each other well
- connect the power and power on (make sure it's 12V 1.5A power, other voltage may damage the panel)
- observe the STATUS orange light flash slowly means it is searching network. around 40 seconds later ,it should turn to green light (If can't turn to green light, power off ,then, check the sim card and antenna).

Learning of Remote Control and Sensors

- Have remote control, sensors and base panel on table first for a trial.
- Load all batteries into wireless sensors and remote control. (make sure all working, it should at least flash when you trigger it; if not, change battery)
- Press RESET (at the back of base panel) for 2 seconds, STATUS indicator should turn to red light, this is in Configuration Mode.
- Now you can trigger the remote controllers and sensors one by one slowly. You should see the RED STATUS indicator of base panel flashes that means signal received.
- After you finish all sensors and remote control learning, press RESET again to quit. You should press the RESET button until it turns flashing.
- A number of seconds later the STATUS indicator should turn GREEN means the base panel now ready for work.

Record

Press RECORD for 2 seconds, RECORD light on (main machine under record status for 10 seconds, 10 seconds later, it quit automatically.) speak with main machine to record till RECORD light off.

Update system time

Send message: 123456#31#

Zone settings (details in chapter 2 and chapter 3)

Send message: 123456#50#2#hall alarm#

123456#51#4#door alarm#

123456#53#7#gas alarm#

123456#54#7#remote 1#

123456#55#7#remote 2#

123456#66#4#strobe #1#

Add user

Send message: password#10#13800138000#

Send message: password#15#13800138001#

Install ready, whole system status as below:

Wireless infrared sensor	Wireless zone 00	Hall alarm, internal zone voice alarm
Wireless door sensor	Zone 01	Hall alarm、 around zone voice alarm
Wireless gas sensor	Zone 02	Gas alarm、 24hr zone voice alarm

Remote 1	Zone 03	Remote 1、24hr zone voice alarm
Remote 2	Zone 04	Remote 2、24hr zone voice alarm
Wired door sensor	Zone 16	Strobe/around zone voice alarm, open alarm
15905090000	Sms receiver 0	Send message out when alarm happen
15905090001	Call receiver 0	Call out when alarm happen

3. System Test

System alarm test

Press set button of remote, then, status be green light. then, depart the two parts of wireless door sensor. result: siren alarm out, send message to message receiver number. content “door alarm”. Make call to call receiver number, when receiver answer the call, it play the record voice. (press“*”repeat), press 1#0# to recall the system, press 2#0# close the siren (support call programming code 1#— 5 #)

Long distance system control

Call the main machine, after connect, then, heard 1 long sound of “di”, press password, end with #. Then, heard a long sound of “di” (password is correct, user monitor/control, support programming code 1#— 5 #), if heard 2 sound “di” (password is wrong, enter password again, it quit automatically if no correct password enter into within 30 seconds.) .

Trouble shooting

If siren keep silent, please check if it is connected well. or mode of zone set to be silent alarm. If can't call out or send message out, please check if the value of SIM card is too low, or the signal is too weak.

Chapter 5 Common Operation Introduction

How to add door sensor/infrared sensor/remote etc wireless detector

Press RESET for 2 seconds. STATUS indicator turn to lasting red light. (main machine is learning sensors, 20 seconds later, sensors quit if can't receive signal from main machine. Press RESET again to quit) .the alarm zone number start from 00. then, 01 ,02...

How to delete wireless sensor/remote

Send message: password#50#0# ; wireless detectors be delete of zone 00

How to revive to default settings

Press RESET, power on, till STATUS red light turn to orange flash light, all detectors of main machine be delete. The password to be 123456.

Long distance set the alarm system by phone

Call the main machine, heard a long sound of “di”. Put password ,end with #.head a long sound of “di”, put into 1#1# , then, a long sound “di” again, then, quit the call.

Remarks: all call programming , a long sound of “di” means successes. 2 short “di” means failure .

How to re-define remote control pad

Press RESET 5 seconds. STATUS indicator light turn to red light then turn to orange light. press the 4 button one by one, the 1st one is emergency alarm button(if ok, the STATUS light will flash, or it failed). The 2nd button is recall system button, the 3rd one is set outside, the 4th one is set at home. Then, it quit.

remarks: support 4 button remote only.

Chapter 6 Wireless accessories connection

remarks: 0: low level; 1: high level; ∞: no connection.

item	2262 chip data lead pin connection			
	10 pin	11 pin	12 pin	13 pin
Door sensor	∞	∞	0	0
Infrared sensor	∞	∞	1	0
Gas sensor	∞	1	∞	0
Smoker sensor	1	1	1	0
help	0	1	∞	0
Remote set outside	1	0	0	0
Remote set at home	0	0	0	1
Remote recall	0	0	1	0
Remote emergency call	0	1	0	0

安装电路图

