

Voice GSM alarm system user guide

System Overview

Introduction

Wireless GSM Burglar Alarm with voice prompt for commercial and home use is built on leading microprocessor technology with advanced GSM digital signal processing power. It is a highly integrated system of digital speech, mobile messages, multiple modes of wireless coding, long-distance home appliances controlling, SMS Messages identification and other technologies. When alarming, it will automatically notify users via mobile network about the possible break-in using either voice calling or SMS messaging. It is stable, reliable and safe. With its user-friendly design and without the need of fixed telephone network, it can be widely used in different locations including shops, offices, villas, residential estate, garage, warehouse, to name just a few. It is an ideal choice to protect your properties and personnel safety.

Features

- Work with GSM SIM card, and voice prompt, ease of use.
- Two groups of Scheduled Arming and Disarming function. Each time disarmed you can select the included period of time, eliminating of need of the manual procedure, realizing the beauty of automatic controls.
- Four wired zone, six wireless zone, can be set as AWAY, STAY, INTELLIGENT or CLOSED types ,and each zone can be equipped with many accessories.
- Using phone (cellular phone) or SMS Messages to configure and control the Panel remotely.
- Six groups of phone numbers for voice calling and three groups for SMS Messages, 10 seconds ISD automatic leaving message record
- Telephone (phone) long-distance telephone control for arming, disarming, monitoring, remote announcement.

- One group of normally open signal output, which can be externally linked to electrical appliances with alarming output.
- Many built-in speeches, letting alarm receivers know the accurate alerting location
- SMS Messages content from alarming Defense zone can be customized.
- Wireless intelligent study coding, compatible with PT2262 normal encoding and a million groups encoding, convenient and flexible for adding or reducing accessories. Maximum support 50 remote control and 50 sensors.
- Telephone (phone) long-distance telecontrol for arming, disarming, monitoring,

talk backing, shouting, and controlling appliances, etc.

- EEPROM information protection, information never lost
- Built-in Ni-Hi rechargeable battery and automatically switchable upon power failure, and notification will be sent via SMS.
- Panel integrated with either dual-band, triple-band, quad-band GSM/GPRS industrial graded module, stable and reliable.

2. Anatomy of the LCD Dual-network Intelligence Burglar Alarm

2.1 System Components and Usage

ARM

The system is at a fully ready status where all detectors are activated in a working state, when the some events (burglar, fire, gas leak, etc) happened and detected, alarm system alarm right away.

In a ARM status, the panel [ARM] light is on.

To activate using remote control: press [ARM] key once.

STAY ARM

This is for partial arming of the alarm system when there are people at home, only some of the selected sensors are activated and could be triggered by events.

In a STAY ARM status, the panel [ARM] light is flashing.

To activate using remote control: press [STAY] key once.

DISARM

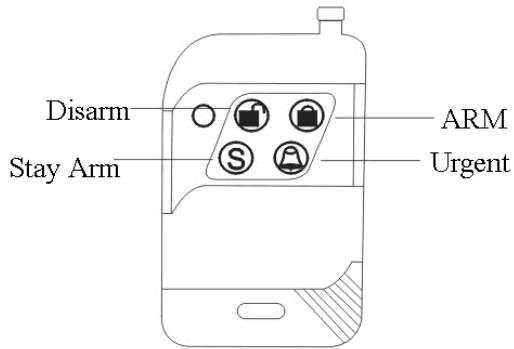
All sensors are deactivated and will not be respond to any events.

In a DISARM status, the panel [ARM] light is off

To activate using remote control: press [DISARM] key once.

EMERGENCY

When an emergency occurs, press emergency button on the remote or the * button on panel to activate alarm.

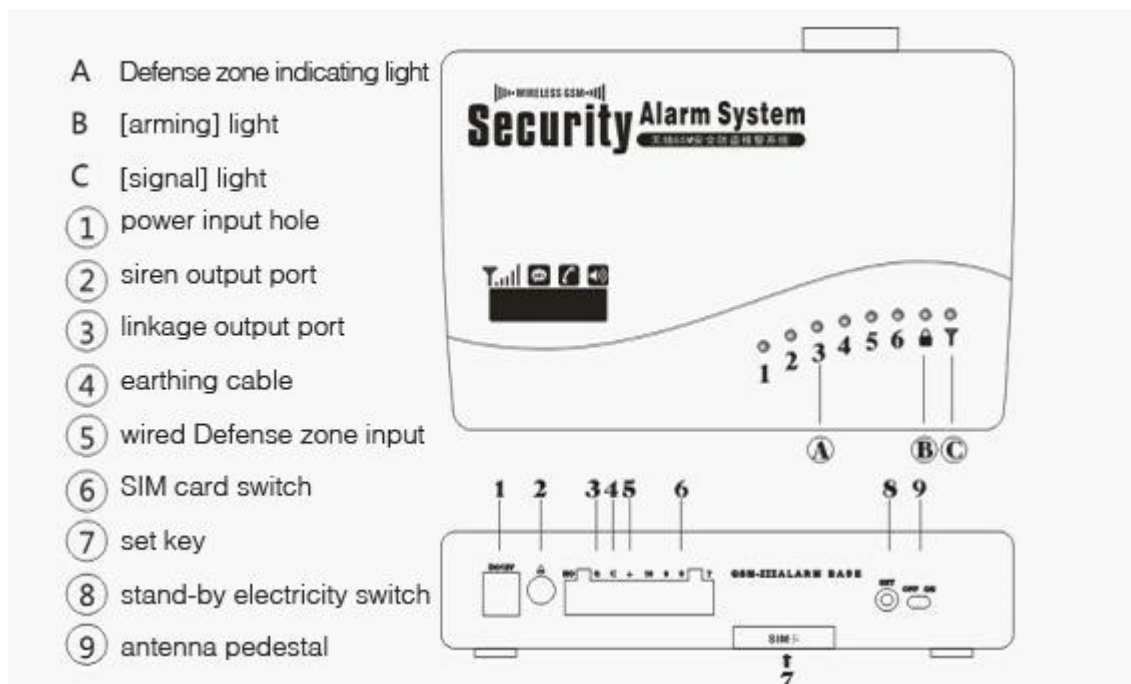


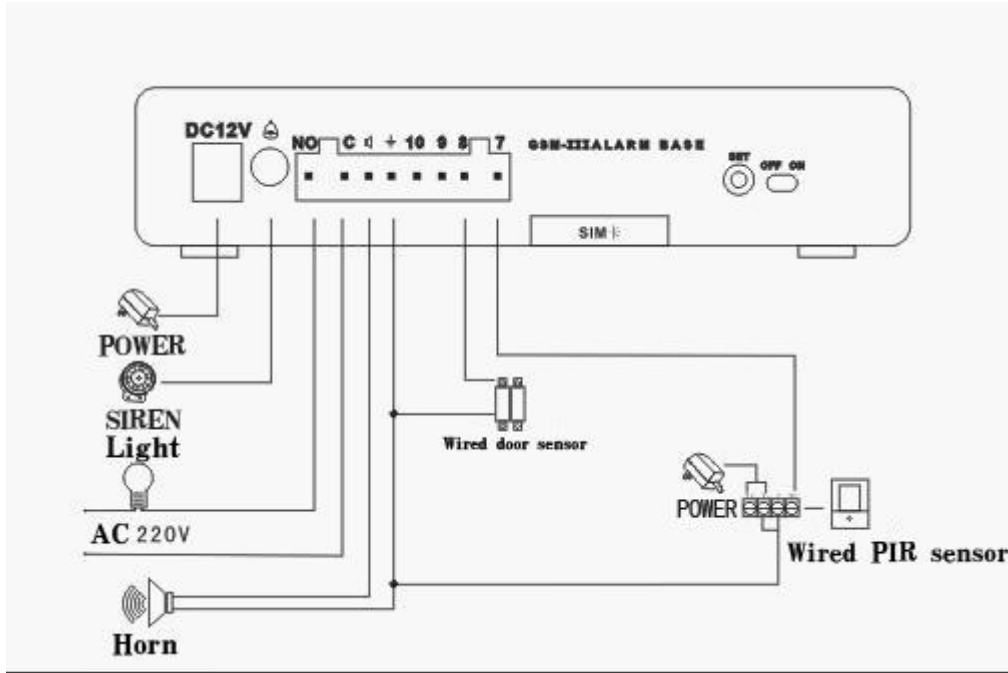
2.2 System Setup

2.2.1 Panel Setup

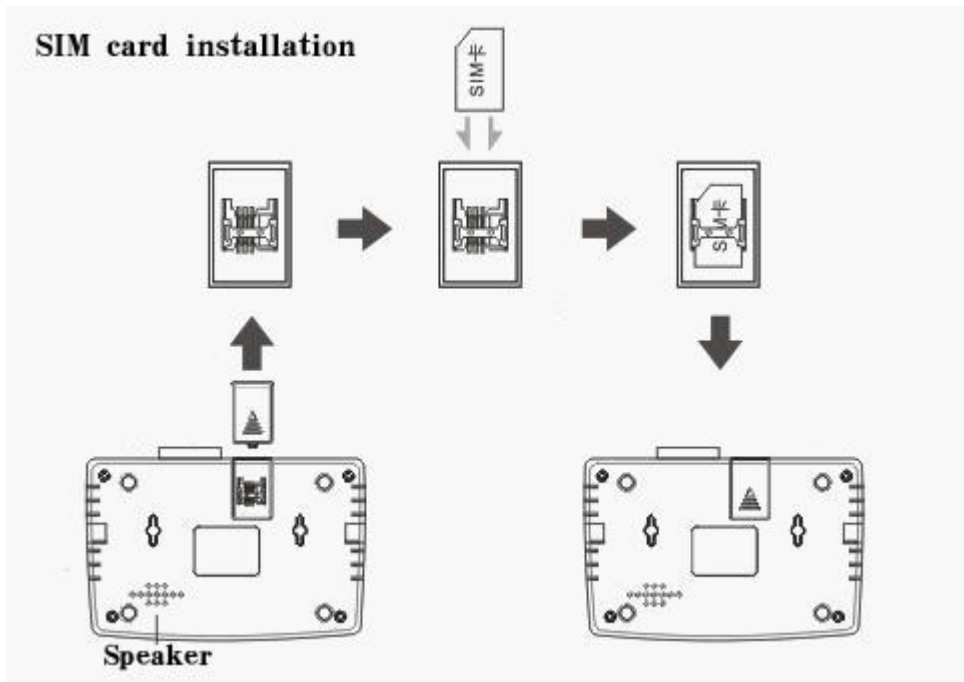
Alarm panel should be installed at a central location with best transmission to all the wireless sensors and accessories. Keep the panel well away from large metal objects or household appliances with high-frequency interference, and avoid barriers such as concrete walls with metal frame inside and fire doors.

主机图





■ SIM card installation



■ Indication

function	Indications	Description
Built-in speaker	short "beep" once	Key Tip

	"beep", "beep" two short tones	Exit configuration or learnt succeed
	"beep", "beep", "beep" three short tones	Error indication
	Voice prompt	The prompt voice of the function and status

ARM LED	Light up	Alarm panel at ARM state
	Rapid flashes	Alarm panel at STAY ARM state
	Flash slowly	Alarm panel at delay ARM or recording state
	Off	Alarm panel at DISARM state

Defense zone indicating light(1~6)	Light up	A(1~6) zone alarm
	One LED flashing	This zone enter delay alarm state
	All flashing	Unloaded SIM card or loaded wrong

GSM Signal indicator	Flash one time for 1s	GSM Signal weak or unloaded SIM card
	Flash one time for 3s	GSM signals and SIM card are normal

3 Installation of Panel

3.1 Alarm Panel Initial Setup

Load the SIM Card, connect telephone line, fix the GSM Antenna, connect the power and other cables if any, then power up alarm panel. The alarm panel voice prompt "Welcome to use alarm system", and start self-test the GSM network, "GSM Signal indicator" flash one time each 1s means it's searching the GSM signals, when's Signal indicator " flash one time each 3s means GSM signals and SIM card are normal. (it takes about 10 seconds or so for searching). Remark : if all defence zone indicating light(6) is flashing and the alarm panel restart for 20s means Unloaded SIM card or loaded wrong.

Upon everything working properly, the battery switch should be at the [ON] position for continuous charging.

3.2 Pre-record Voice Message

Alarm panel will play a pre-recorded voice message after the alarm call when a pre-set phone number upon alarm. To record customized message:

- Press and hold "SET"Key 3s to enter the configuration mode:
- Speak your message at the panel for recording
- System will record 10 Seconds and then automatically exit; or press any key to end whenever your message end.
- Press"SET"Key to exit setup status.

3.3Enable or disable the GSM Module:

System default the GSM module is on . if the user not installed the SIM card , the host will restart until find SIM card and GSM signal.

Remark: If set the GSM module to off, the alarm system only used as the live alarm system, only cleared the police , can not dialed the phone alarm number. Moreover ,the host without the SIM card would not restart when you closed the GSM module.

3.3.1 Close GSM module method:

- In the disarm status, press **[SET]** key for 3 seconds, release it when the recording light on .
- Wait 2seconds, and then hold the **[SET]** key 3 seconds once again, the panel will respond with "di,di,di" three times means changing into the state of closed the GSM module .
- Turn on the power supply again after power off . the panel will prompt "welcome to use alarm system ", and "di di di" three times ,means the GSM module is off.

3.3.2 Open GSM module method:

- In the disarm status, press **[SET]** key for 3 seconds, release it when the recording light on .
- Wait 2seconds, and then hold the **[SET]** key 3 seconds once again, the panel will respond with " di,di" twice means changing into the state of open the GSM module .
- Turn on the power supply again after power off . the panel will prompt "welcome to use alarm system ", and "di" once ,means the GSM module is on.

Remark: If the GSM module is off, the alarm system would be can not read the SIM card.

3.4 Add Remote Control:

- Press **[SET]** key 1s ,all defence zone indicator light would be on and voice prompt" add remote control " to enter the configuration mode:
- Then press any key of the remote control to send a signal to the alarm panel, voice prompt "learning successful", beep only once means the remote control has been configured before.
- Alarm panel can configure up to 50 remote control of different addressing. Upon completion press **[SET]** 6 times every 1s to exit the configuration mode.

3.5 Delete the remote control:

- Press **【SET】** key 1s , alarm panel beep once ,all defence zone indicator light would be on and voice prompt" add remote control " to enter the configuration mode:
- And then hold **【SET】** key 3s ,alarm panel beep twice ,all defence zone indicator is off ,means all remote control deleted.

3.6 Add detector

- Press **【SET】** key 1s , alarm panel beep once ,all defence zone indicator light would be on and voice prompt" add remote control " to enter the configuration mode:
- Press **【SET】** key 1s again ,the first defence zone indicator light on ,and voice prompt " learning one zone " to enter the configuration mode.
- Then trigger the detector to send a signal to the alarm panel, voice prompt "learning successful", beep only once means the detector has been configured before.
- Press **【SET】** 1s again ,the second defence zone indicator light on ,and voice prompt " learning second zone " to enter the configuration mode. And so on, for each of the rest defence zones .
- Last press **【SET】** again ,alarm panel would be beep twice , and all indicator light off to exit the configuration mode. Alarm panel can configure up to 50 sensors of different addressing.

3.7 Delete detector

- Delete the sensor of first defence zone : press **【SET】** twice ,and then press **【SET】** 3s when the first defence zone indicator light on ,the alarm panel beep twice ,means delete the detector of first zone successfully.

- Delete the sensor of second defence zone : press **【SET】**three times ,and then press **【SET】** 3s when the second defence zone indicator light on ,the alarm panel beep twice ,means delete the detector of second zone successfully.

- Delete the sensor of third defence zone : press **【SET】** Four times ,and then press **【SET】** 3s when the third defence zone indicator light on ,the alarm panel beep twice , means delete the detector of third zone successfully .

- Delete the sensor of fourth defence zone : press **【SET】** five times ,and then press **【SET】** 3s when the fourth defence zone indicator light on ,the alarm panel beep twice , means delete the detector of fourth zone successfully .

- Delete the sensor of fifth defence zone : press **【SET】** six times ,and then press **【SET】** 3s when the fifth defence zone indicator light on ,the alarm panel beep twice , means delete the detector of fifth zone successfully .

- Delete the sensor of sixth defence zone : press **【SET】** seven times ,and then press **【SET】** 3s when the sixth defence zone indicator light on ,the alarm panel beep twice , means **delete the detector of sixth zone successfully .**

4 Command Reference

This system supports two methods of configuration including telephone set and SMS messaging. Following are examples how instructions are given via one of the three methods of setting

Example: you want to change the first phone number for voice calling to 13899998888:

Method 1: By telephone set

Calling into the alarm panel, upon connected, alarm panel will ask for password, it is 1234 as the default, then press #, and then press 3113899998888# , press the * then press # to exit configuration mode.

Method 2: Using SMS

On your mobile phone, compose a SMS message as 12343113899998888# and send to your alarm panel.

4.1 Commands for Configuration

Set up voice alarm phone number	To set the 1st group to the 6th group of voice alarm phone number 【 1-6 】 indicates that the first group to the sixth group alarm number correspondingly. Example: If the user wants to set 13812345678 for the first set of voice alarm phone number
Syntax: 【 3 】 + 【 1-6 】 + 【 Phone number 】 + 【 # 】	Method one: Remote calling into the alarm panel put in password (initial password: 1234) when being asked, then press the # key, hear the voice prompt means the host into setting state. In remote setting, press a digital then the host will broadcast one digital speech, if press a digital not broadcast speech or press once broadcast second speech means setting not correct. Press* key to exit. Method two: Send SMS messages 12343113812345678# to a alarm panel (which at the beginning of 1234 is the user password), the alarm panel will reply with SMS message "Group 1 phone number: 13812345678" to confirm the 1st group alarm phone number is set to13812345678 successfully. For users using the telephone line extension, you should dial the number 13812345678+**+extension number. Here one * means wait 1s,Two * means wait 2s . Remark: If enable the dialing of power off function, when power off, it will automatically dial the preset telephone number, and voice prompt "zero zone alarm .

Delete voice alarm phone number	Used to delete the first groups to the sixth group alert phone numbers
Syntax: 【3】 + 【1-6】 + 【#】	Example: If you want to delete the first set of telephone alarm number, Method one: After entering the telephone remote setting status, press 31#. Method two: Send SMS message 123431# On the alarm panel, alarm panel reply " Group 1 phone number" to confirm the 1st group alarm phone number has been removed.
Set phone number to receive SMS message	To set the first group to the third group of phone number for SMS message. When alarm panel is alert, it sends a SMS message to the three sets of numbers one by one.
Syntax: 【3】 + 【7-9】 + 【Phone number】 + 【#】	Example: If the user wants to set 13812345678 SMS for the first group of SMS message Method one: After calling and connected to the panel from remote, press 3713812345678# Method two: Send SMS message 12343713812345678# to the panel. Remark: When AC power off or on, it will send SMS message to the preset telephone number.
Delete SMS phone number	Used to delete the first group to SMS of the third group police number
Syntax: 【3】 + 【7-9】 + 【#】	Example: If you want to delete the first set of SMS message phone number, Method one: After calling and connected to the panel from remote, press 37# Method two: Send SMS message 123437# to the panel
Password modification	Used to modify the user password, the default user password is 1234
Syntax: 【50】 + 【4 digits new password】 + 【#】	Example: If you want to set up a new user password 4321 Method one: After calling and connected to the panel from remote, press 504321# Method two: Send SMS message 1234504321#
Set delay for system arm	Upon armed from the remote control or alarm panel, the alarm panel is set to delay 0 — 99 before at the ready status of ARM. The system default is 00 seconds.
Syntax: 【51】 + 【00-99 Second】 + 【#】	Example: users need to set the delay time for 60 Seconds. Method one: After calling and connected to the panel from remote, press 5160# Method two: Send SMS messages12345160#
Set the time of delay for alarming	Set the time of delay upon alarm, it can be set to 0-99 seconds, the system default is 00 seconds.

<p>Syntax: 【 52 】 + 【 00-99 Second 】 + 【 # 】</p>	<p>Example: the user needs to set the alarm delay time to 60 Seconds. Method one: After calling and connected to the panel from remote, press 5260#. Method two: Send SMS message 12345260#</p>
<p>Set length of Siren sound</p>	<p>Set alarm length of sounding when panel alarm, could be set to 0-20 minutes, factory default is 1 minute.</p>
<p>Syntax: 【 53 】 + 【 00-20 Minutes 】 + 【 # 】</p>	<p>Example: you want to make a siren sound 5 Minutes. Method one: After calling and connected to the panel from remote, press 5305#. Method two: Send SMS messages12345305#</p>
<p>Alarm linkage function on or off</p>	<p>Enable or disable the alarm linkage function. 1 is enabled and 0 is disabled, the system default is 1.Example: users need to set the alarm linkage function off,</p>
<p>Syntax: 【 54 】 + 【 0/1 】 + 【 # 】</p>	<p>Method one: After calling and connected to the panel from remote, press540# Method two: Send SMS message 1234540# Method three: 1234200# Remark: If enable the alarm linkage function, when alarming, the relay absorption would change the circuit condition between NO and COM. The time of relay actuation is the same with siren sound time. When disable the alarm linkage function, the relay of the panel can remote control the home appliance. After calling and connected to the panel from remote, input the password, press 9 ,the relay on,0 OFF. Or send SMS 12343#ON, 12344# Means OFF。 Can control the power which below 1000W ,such as electric cooker ,lamp, water suction pumpetc.</p>
<p>Set audible confirmation for remote control operation</p>	<p>1 means on and 0 means closed, the default is on. Example: set panel without sound when remote control is sending signal.</p>
<p>Syntax: 【 55 】 + 【 0/1 】 + 【 # 】</p>	<p>Method one: After calling and connected to the panel from remote, press 550# Method two: Send SMS messages 1234550#</p>
<p>Set date and time settings</p>	<p>Set the system date and time Example: it is now 1st of July of 2012 9 : 00 : 00 am</p>
<p>Syntax: 【 56 】 + 【 2-digits year 】 + 【 01-12 The Month 】 + 【 01-31 Day 】 + 【 00-23 Hour 】 + 【 00-59 Minute 】 + 【 00-59 Second " + 【 # 】</p>	<p>Method one: After calling and connected to the panel from remote, press 56120901090000#. Method two: Send SMS message123456120901090000#</p>

<p>The first set of Scheduled arm and disarm time setting</p>	<p>To set the time for scheduled arm and disarm, Example: set up the first group scheduled time to arm at 22 : 00 pm and disarm at 07 : 00 am, this is valid for Monday, Tuesday, Wednesday, Thursday and Friday of each week.</p>
<p>Syntax: 【 57 】 + 【 AAAA Scheduled time of arm 】 + 【 BBBB Scheduled disarmed time 】 + 【 Number of week 】 + 【 # 】</p>	<p>Method one: After calling and connected to the panel from remote, press 572200070012345# Method two: Send SMS message 1234572200070012345# Remark: set the arm time and disarm time to be 24:00, would be closed the scheduled arm/disarm function .</p>
<p>The second set of Scheduled arm and disarm time setting</p>	<p>To set the time for scheduled arm and disarm, Example: set up the second group scheduled time to arm at 12 : 00 pm and disarm at 13 : 00 am, this is valid for Monday, Tuesday, Wednesday, Thursday ,Friday, Saturday and Sunday of each week.</p>
<p>Syntax: 【 58 】 + 【 AAAA Scheduled time of arm 】 + 【 BBBB Scheduled disarmed time 】 + 【 Number of week 】 + 【 # 】</p>	<p>Method one: After calling and connected to the panel from remote, press 58120013001234567# Method two: Send SMS message 123458120013001234567# Remark: set the arm time and disarm time to be 24:00, would be closed the scheduled arm/disarm function .</p>
<p>Set the type of defense zone</p>	<p>To set 6 wireless zones type, 01~06 represents 1-6zone number, 1-5 represents one of the 5 zone type:</p>
<p>Syntax: 【60】 + 【01-06 zone number 】 + 【 1-5 Type 】 + 【 0/1 】 + 【 # 】</p>	<ol style="list-style-type: none"> 1. NORMAL 2. STAY ARM 3. INTELLIGENT 4. EMERGENCY 5. CLOSED <p>The last 0/1 represents 0 siren of panel produce no sound upon alarming while 1 is sounded. Example: Set zone number 2 as STAY zone type, and siren not sound upon alarming Method one: After calling and connected to the panel from remote, press 600220# Method two: Send SMS message 1234600220#</p>
<p>Set mode of wired alarm zone</p>	<p>Set wired alarm zone to NO or NC. The zone number of 07-10 are wired defense zones, system default is 07-10 are wired zones with NO mode.</p>
<p>Syntax: 【61】 + 【07-10,zone number】 + 【1-5】 + 【0/1】 + 【0/1】 + 【#】</p>	<p>1-5 represents one of the 5 zone type:</p> <ol style="list-style-type: none"> 1.NORMAL 2.STAY ARM 3.INTELLIGENT 4.EMERGENCY 5.CLOSED

	<p>The first 0/1 represents 0 siren of panel produce no sound upon alarming while 1 is sounded.</p> <p>The second 0/1 ,0 means NO and 1 means NC</p> <p>NO means short-circuit to alarm</p> <p>NC means open-circuit to alarm</p> <p>Example: Set 7 zone to NORMAL, NC alarm, without sound when alarming ,</p> <p>Method one: After calling and connected to the panel from remote, press6107101#</p> <p>Method two: Send SMS message 12346107101#</p> <p>Remark:</p> <p>1) set 7 zone to NO alarm ,in the arm status ,when7 and GND to be short-circuit condition ,the alarm system would be alarming.</p> <p>2) set 7 zone to NC alarm ,in the arm status ,when 7 and GND to be open circuit condition ,the alarm system would be alarming.</p> <p>Usually Suitable for connect the alarm port of the wired accessories.</p>
<p>Siren volume adjustment</p> <p>Syntax: 【62】+【00-99】+【#】</p>	<p>Valid value is from 00 to 99 as largest, system default is the largest.</p> <p>Example: users need to set volume to 50 .</p> <p>Method one: After calling and connected to the panel from remote, press 6250#</p> <p>Method two: Send SMS message 12346250#</p>
<p>Auto dial-up function when power off</p> <p>Syntax: 【64】+【0/1】+【#】</p>	<p>When power off, auto dial function on or off .1 for on ,0 for off , the panel would not dial the pre-set phone number. Default is 0.</p> <p>Example: Users want to receive the call from the panel when power off.</p> <p>Method one: After calling and connected to the panel from remote, press 641#</p> <p>Method two: Send SMS message1234641#</p>
<p>Set audible confirmation from panel to on or off</p> <p>Syntax: 【11】+【0/1】+【#】</p>	<p>Alarm panel will produce audible confirmation beep upon receipt of signal from remote control. 1 is on, 0 is off, default is on.</p> <p>Example: users need to disable the audible confirmation.</p> <p>Method one: After calling and connected to the panel from remote, press110#</p> <p>Method two: Send SMS message 1234110#</p>
<p>Enable or disable the SMS Messaging</p> <p>Syntax: 【12】+【0/1】+【#】</p>	<p>1 is on and 0 is off. Default is on</p> <p>Example: the user will need to turn off the text messaging feature</p> <p>Method one: After calling and connected to the panel from remote, press120#</p> <p>Method two: Send SMS message 1234120#</p>
<p>Restore factory</p>	<p>System restore factory setting</p>

setting	Method one: After calling and connected to the panel from remote, press130000# Method two: Send SMS message1234130000# Remark: This feature will restore all settings to factory default apart from the configuration of sensors and remote control.
Syntax: 【13】+【0000】+【#】	
Total System Reset	Disconnect power to the alarm panel, turned off the battery switch alarm panel, then press and hold the alarm panel of SET button while power-on. The system will respond with long “beep” for 5 seconds, then can release SET button. The system is now totally reset. All configuration has been cleared, all sensors and remote controlled are deleted and password is restored to original 1234.
Syntax: Press and hold the SET and power on.	

Note: Other than the SMS commands for assigning specific phone number for certain zone, alarm panel will respond to all other SMS commands by replying confirmation of setting by SMS.

4.2 Commands of System Enquiries

The following instructions are only for SMS command to control panel remotely:

Remote SMS disarm	Send SMS message 12340# into alarm panel
0#	Note: 1234 is the password
Remote SMS NORMAL arm	Send SMS messages 12341# to set the alarm panel to ARM
1#	
Remote SMS STAY arm	Send SMS message 12342# to set alarm panel to STAY ARM.
2#	
Remote SMS turn on relay	Send SMS message 12343# to turn on the relay of the alarm panel
3#	
Remote SMS turn off relay	Send SMS messages 12344# to turn off the relay of the alarm panel
4#	
Query the AC power status	Send SMS messages 12346# to the alarm panel, the alarm panel replies AC power normal or AC power failure.
6#	
Query the alarm panel general settings	Query the alarm panel status included: arm/disarm, relay status, status of integrated alarm, status of SMS messaging, status of

<p>20+ 【#】</p>	<p>remote operation, password, delay alarming setting, delay arm setting, length of time of siren sounding, volume of siren, keyboard locking status, audible confirmation</p> <p>Example: Send SMS message 123420# to the alarm panel, the alarm panel replies with a list of related setting:</p> <p>Arm on→ arm status Relay out off → relay off Voice on → voice on AC Dial on → Auto dial the preset phone alarm number when power off . Alarm out on →alarm linkage on Send SMS on→SMS messaging on RC siren on→Siren sound when remote control operation Password:1234→the password is 1234 Alarm delay:00s→delay alarming 0 second Arm delay:00s→ delay arm 0 second Siren on 01 min→ siren sounding time 1 minute Siren VOL:99→ volume of siren 99</p>
<p>Query voice alarm phone number</p> <p>21+ 【#】</p>	<p>Return a list of 1st to 6th phone number group for voice alarm and 1st to 3rd SMS alarm number .1-6 for 1st to 6th phone alarm number ,7-9 for 1st to 3rd SMS alarm number</p> <p>Example: Send 123421# to the alarm panel, the alarm panel replies " 1 : 13712345678" means the first voice alarm phone number is 13712345678</p> <p>Remark: phone alarm number can be the same as SMS alarm number .</p>
<p>Query the system time and scheduled arm/disarm time</p> <p>22+ 【#】</p>	<p>Query the system time</p> <p>Example: Send 123422# to the alarm panel, the alarm panel replies "System clock : 12-07-01 12:00". Means the system is now 1st of July of 2012 12 : 00 : 00 am.</p> <p>Arm time1>22:00 Disarm time1>07:00 Arm/Disarm week>12345 Arm time2>24:00 Disarm time2>24:00 Arm/Disarm week>1234567</p> <p>Means: the first group scheduled time to arm at 22 : 00 pm and disarm at 07:00 am, this is valid for Monday, Tuesday, Wednesday, Thursday and Friday of each week.</p> <p>The second scheduled arm/disarm time function is disabled</p>
<p>Query the type and siren setting of all defence zones</p>	<p>Query the type and siren setting of all defense zone</p> <p>Example: Send 123423# to the alarm panel,</p> <p>Reply message format and analytic:</p>

<p>23+ 【#】</p>	<p>1:Normal On means the first zone is normal zone, siren on. 2:Stay Off means the second zone for STAY alarm, siren off 3: Smart On means the third zone for INTELLIGENT, siren on 4: Urgent On means the fourth zone for EMERGENCY, siren on 5: Close Off On means the fifth zone for CLOSE, in close state 6: Normal On means the sixth zone for NORMAL, siren on 7: Normal On NO means the seventh zone is NORMAL, siren on, and short-circuit to alarm 8: Normal On NC means the eighth zone is NORMAL, siren on, and open-circuit to alarm. 9:Normal on NO means the ninth zone is NORMAL, siren on, And short-circuit to alarm 10: Normal siren NO means the tenth zone is NORMAL, siren will alarm ,and short-circuit to alarm</p>
<p>Query the customized SMS message content</p> <p>80 + 【#】</p>	<p>Query zone 00-99 the content of SMS message customized. Example: Send 123480# to the alarm panel to query for zone 01 message content. Reply message format and analytic: 1: The first zone message content"1 zone alarm " 2: The second zone message content"2 zone alarm " 3: ditto 10: ditto</p>
<p>Customize the SMS message for certain zone</p> <p>8+ 【1-9zone number】 + 【message content】 + 【#】</p>	<p>Used to customize the SMS message for zone 1-9.(this content is sent into the first to the third SMS message numbers users reset after this zone alarming, content confined within 12 Letters) Example: Send message “123481 1 door Open#” to the alarm panel will set alarm panel to send SMS message “Front Door Alarm” upon zone 1st alarm being triggered Reply message format and analytic: 1: the first door open means the first zone message content to "1 door open" 2: 2 zone means the second zone message content"2 zone alarm" 3: 3 zone means the third zone message content"3 zone alarm" 4: ditto 10:0 zone means the tenth zone message content "10 zone alarm "</p>
<p>Customize the SMS message for 10th zone</p> <p>90+ 【message content】 + 【#】</p>	<p>Set the tenth zone message content Example: change the tenth zone message to "1 win open" send a message "123490 1 win open" to the panel.</p>

Note: "1234" string shown above table all represents the password. User can

change password and thus should adjust the commands listed accordingly.

5 Remote Control of Panel

5.1 After receiving the Panel Alert:

After Panel alerts, it will automatically dial the preset telephone number for three times until connected ,and send SMS message to the preset telephone number . When the user picks up the phone, a piece of pre-recorded voice message will be played back immediately and let the receiver noted about the event. Upon receiving the call, it can also control the alarm panel remotely via the phone (according to the command below). User will not be asked for password upon connected and alarm will automatically hang up call within receiving any instruction within 20 seconds.

[1] key: arming	[2] key: disarming
[3] key: monitoring open	[4] key: monitoring closed
[5] key: turn on announcement	[6] key: turn off announcement
[7] key: siren ringing	[8] key: stop siren sound
[9] key: turn on relay	[0] key: turn off relay
[*] key: hang up, system will not dial the next number on list.	

Remark:

- If not hang up using [*] key or disarm using [2] key, the system will retry to call the next phone numbers on list until one connected.
- Panel will not ask for password when dialing out upon alarming.

Remark: monitoring time is 20 seconds. If continue to monitor, user needs to press 3 key again. Press [3]+[5] To support talkback function, the host needs to connect to another passive loudspeaker, which are 8 ohm and its power above 0.5 W.

5.2 Remote Dialing In Operation:

Remote-control operations can be done via any phone. You can just dial into the alarm panel and user will be asked for password upon connected and alarm will automatically hang up call within receiving any instruction within 20 seconds or password is incorrect. (original password 1234)

[1] key: arming	[2] key: disarming
[3] key: monitoring open	[4] key: monitoring closed
[5] key: turn on announcement	[6] key: turn off announcement
[7] key: siren ringing	[8] key: stop siren sound
[9] key: turn on relay	[0] key: turn off relay
[*] key: hang up,	

[#] key: Enter the system remote configuration mode, Without receiving no instruction, the panel will automatically hang up after 20 seconds.

6 Types of Alarm Zone

6.1 Definitions of Zones

The alarm supports 10 distinguishable defense zones and they can be classified into one of the 5 Zone Types with their respective characteristics.

Type ID	Zone Type	Interpretation
1	NORMAL Defense Zone	the Panel only works on the arming status. When disarming, there is no response.
2	STAY Defense zone (AT-HOME Defense zone)	can be shut off solely through the remote control (keyboard) to avoid the Infrared Detectors and other in-room detectors from misinformation when master is resting at home.
3	INTELLIGENT Defense zone:	if the detector in the Defense zone is triggered only once, it will not immediately alarm. But if being triggered once again within 30 seconds after the first triggering, it will alarm immediately.
4	EMERGENCY Defense zone:	no matter on arming or disarming status, if detector is triggered it will alert. Usually used in connecting with Smoke Detectors, Gas Detectors and emergency button, etc.
5	CLOSED Defense zone:	no matter arming or disarming status, detectors will not alert even being triggered.

6.2 Default

Operation password	1234		
Siren volume	99	Alarm linkage	Enable
1-10zone type	Normal	GSM module	Enable
Siren sound	1minute	Audible confirmation for remote operation	Enable
Delay ARM	0s	Delay alarming	0s
7-10wired zone alarm type	N0	1-10zone alarm	Siren sound
SMS message	Enable	1-10Zone SMS message content	某防区报警

6.3 Fitting parameters:

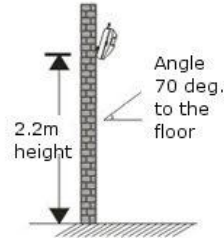
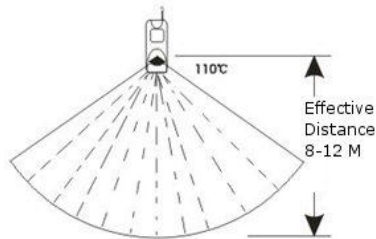
- Input voltage: DC9V-12V
- Standby currents: < 25 mA
- Alarm current: < 450 mA
 - Wireless frequency: 315/433/868/915MHZ , 2262/1.5-4.7M , EV1527/300K
- GSM Format: Support GSM850/900/1800/1900MHz (option)
 - Backup battery: NI-HI AAA*6 DC7.24V
 - Alarm loudness: 110dB
- Detailed parameters: The alarm should be compatible with PT2262, PT2240 and EV1527. Using PT2262 encoding, the resistance is recommended 1.5M-4.7M; using with EV1527 encoding, the resistance by 300K, data recommended 1010.

7. 1 Guideline for Installing Door or Window Sensor



1. The surface for door sensor installation should be clean so door sensor can be attached to the door and frame firmly with double faced adhesive.
2. Each door sensor is a pair of sensor and magnet. The sensor (A as in diagram) should be installed on the fixed door frame and the magnet (B as in diagram) should be placed on the movable door with a distance not exceeding 1 cm.
3. Upon installed, door sensor should be tested by open the door and check if the indicator on door sensor flashes for 1 second.
4. In case the door sensor is running out of battery, the indicator should be kept lit as a low-voltage notification.

7.2 Guideline for Installing PIR Motion Sensor



1. Before use, make sure the power switch of PIR motion sensors is at the ON position.
2. Installation height is about 2.2 meters above ground and the optimized detection angle for most motion sensor is 90 degree. The sensor should face the detected area with this consideration for best coverage. It is advised to install with the face of motion sensor perpendicular to the most probable moving detection of people for the highest effective detection.
3. Within coverage of detection, there should be no any objects for obstruction.
4. There should be no two infrared detectors in the same as they will possibly intervene with each other.
5. Avoid the detector facing window, cooling or warming machines, or other appliances that cause the temperature changing sharply and thus cause false alarm.
6. Most infra-red detector needs about 5 minutes to heat up before READY for normal operation.
7. Regular PIR motion sensor is for indoor use unless the specification stated otherwise.

Unless specifies otherwise, most infra-red detector are indoor use and not reliable to use outdoor.

8 Troubleshooting

Troubleshooting	Reasons	Methods
Host don't read SIM card or GSM alarm don't dial the phone or don't text messages	<ol style="list-style-type: none"> 1. SIM card unloaded 2. SIM card is setting PIN code 3. GSM signal weak 4. does not have a voice alarm number 5. did not set SMS messages receiving alarm number 6. mobile phone card balances have insufficient or validity 7. no open SMS messages function 	<ol style="list-style-type: none"> 1. load SIM card 2. cancel PIN code 3. change to place with strong signal or adding outdoor GSM antenna 4. set the voice alarm number 5. set the SMS messages receiving alarm number 6. mobile phone card prepaid phone call charges 7. enable SMS messages function
can not long-distance operation	password input wrongly	password input or changed to new password Or forced always clear factory set back
no record indication when alerting	alert record un-recorded	record alerting re-record according to the specification
remote controller out of order	<ol style="list-style-type: none"> 1. coding unmatched with the host 2. insufficient power 3. battery pieces poor contact or corroded 4. unmatched with host 	<ol style="list-style-type: none"> 1. re-coding 2. change battery in the same type 3. eliminating the dirt on the pieces caused by corrosion 4. contact the local dealer to change the matched remote controller
infrared detector out of order	low power	change to the same type battery
siren without sound	1. siren plug or jack in short circuit or broken-line	<ol style="list-style-type: none"> 1. repair or change plug or jack 2. change the jack line

	2. plug line in short circuit 3. siren closed	3. set siren ringing time on the host
The distance for host to receive the infrared detector, door status switch and remote controller is shortened	1.a nearby emitter is sending code 2. host receiver stoppage 3.standby battery of the host insufficient	1.find the interfering source and eliminate it 2.post back to the factory for amendment 3.check host power whether plugged well
Buttons failure	Open password keyboard protection function	Closed password keyboard protection function
Host no voice prompt	Shut down voice prompt functions	Open voice prompt functions