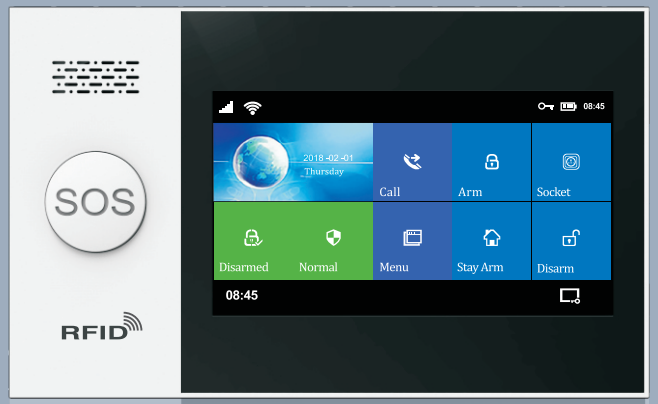
GSM & WiFi Network Alarm System

User Manual

Wi-Fi+GSM/3G+GPRS



APP download and configuration

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Overall state

Explanation

For all the issues stated in this manual:

- The icon WiFi is only valid for the corresponding model host which is configured with the WIFI module.
- The icon is only valid for user who has applied alarm service in the local network alarm operation service center.

Features

› 4.3-inch IPS color display, full capacitive touch screen operation, simple style man-machine interface and menu guidance design.

› The main interface status bar, date and time clock display, host status at a glance.

› Built-in powerful performance CPU master based on 32-bit Cortex-M3 core

› Based on the operating system with multitasking design, with a great user operation experience.

› WIFI/GSM/GPRS network alarm system, and support APP push/SMS/voice monitoring/center network etc. multi-channel alarm ways, to ensure the alarm performance stable and reliable.

› Support SMS arm/Disarm and parameters setting, support invoice arm/Disarm.

› Friendly APP operating experience and user interface, access to latest equipment working status.

› Up to 100 storage locations for the learning of remotes , RFID and wireless detectors. 4 wired defense zone

› Support many defense zones name such as of the gate, SOS, bedroom, window, balcony, perimeter, smoke, gas, carbon monoxide, water leaking, etc.

› Support the main power failure, backup battery power shortage, tamper alarm and other extended alarm; Support detector low battery alert & tamper alarm function.

› Door open alert.

› Support many defense zone types setting such as of entry/exit zone, indoor zone, perimeter zone, 24-hour zone, doorbell, etc.

› Up to 5 groups preset alarm phone numbers, SMS on/off and voice on/off can be set respectively.

› Support timing arm and disarm

› Can store and query several daily operation records and alarm records.

› GSM network automatic school, to ensure the clock is always accurate

› Support multi-language menu display, voice prompts and alarm SMS settings.

› Can record 20 seconds message and alarm voice.

› Telephone function, support 5 groups re-dial number.

- › Friendly APP operating experience and user interface, obtain the latest working state of the device at any time.
  › User arm and disarm, host alarm push to APP.
  › Support APP remote arm and disarm.

- › GPRS real-time networking online, access to the latest working state of the equipment at any time. Automatically alarm if offline.
  › Reserved remote GPRS TCP / UDP protocol channel, compatible with multiple alarm center networking protocol to facilitate network alarm.
  › Center remote control.

Daily Operation Nouns

›**ARM:** set security task (Anti-burglar), make the host into alert state, also known as Arming, Alert or Booting.

›**Stay Arm:** When users at home, only need to alert entrances or perimeter.

›**Disarm:** cancel the safety task (Anti-burglar), also known as removing alarm or shutdown.

›**Trigger:** In Arm state, detector detects someone or door is opened, it will trigger the detectors and make alarms.

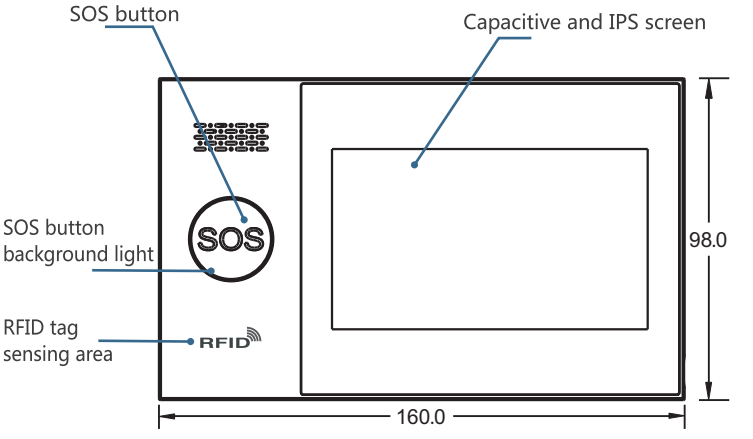
›**Exit delay:** after setting the host to be ARM state, in order to avoid making alarms for the users leaving and passing the Arm zones, delay the alarm time.

›**Entry delay:** when users come back and pass the Arm zones, the host will not immediately make alarms, allow users to Disarm the host with some time; the host will make alarms if time out beyond the Disarm.

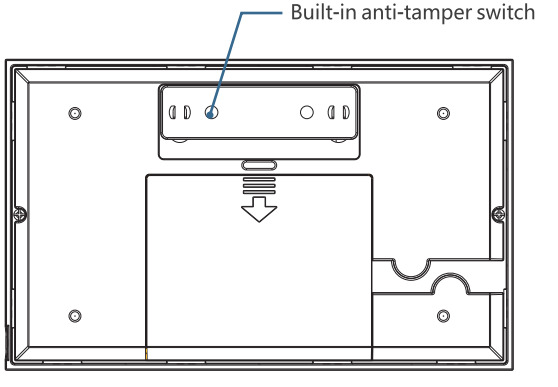
›**Alarm:**when the host have the alarm assignment, it will cause the strobe alarm locally, then send the SMS alarm to the mobile defaulted, dial the mobile defaulted, push the alarm to the mobile app and send the message to the networking alarm center etc.

APPEARANCE AND ACCESSORIES

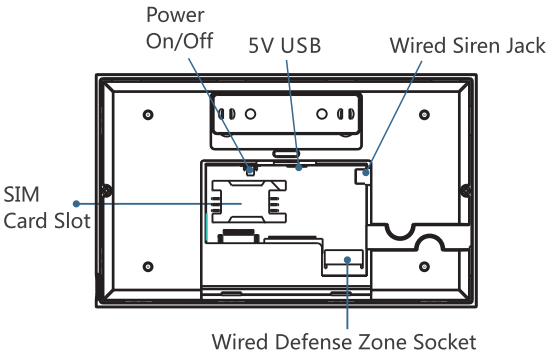
· Front



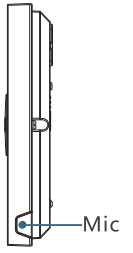
· Back



· Back



· Side View



· Power On/Off

Function	Method
Power On	Push this button, it will show "welcome" means power on successfully
Power Off	Push this button for 3 seconds till the screen become black, means power off successfully

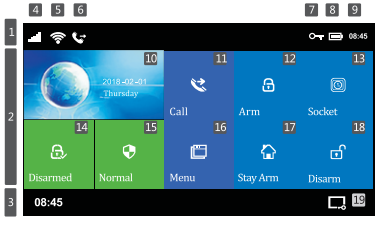
· SOS Button

Push this button when emergency, it will cause the strobe alarm locally, then send the SMS alarm to the mobile defaulted, dial the mobile defaulted, push the alarm to the mobile app and send the message to the networking alarm center etc.

· SOS button backlight

Back ground light	Status
Circulate twinkle	Alarm
Breathing twinkle	Alarm
Normally on	Disarm

· Navigating Menus



· Main interface function and button description

Top status bar	1	4	GSM Status indication		No SIM card or wrong inserting
					GPRS networking status indication
					GSM networking strength indication
					No networking if gray color, 1~5 means the strength level
		5	WIFI wireless		1~4 means the wifi strength level Gray color means no wifi
					Device already connected with the cloud, White dot at the right bottom corner means the binding mobile is online
		6	GSM assign status		SMS sending
					Telephone/mobile dialing
		7	Keyboard Lock		Keyboard locked status,5seconds countdown before locked
		8	Power status		Main power supply
					Spare power supply,0~3 shows the power capacity
		9	Clock	00:04	Current time
Main status zone	2		2018-02-01 Thursday		Current date and week
		11	Dial button		Push and dial the telephone number
		16	Menu button		Push and enter into the menu setting
		12	Arm button		Push and enter into the arm system
		13	Socket button		Push and control the intelligent socket
		17	stay Arm button		Push and enter into stay arm
		18	Disarm button		Push and enter into disarm
		14	Arm/Disarm Log button		Push and searching the arm/disarm history
		18	Arm/Disarm status		Arm status
					Stay arm status
					Disarm status
		15	Alarm Log		Push can searching the alarm history
			Alarm status		No alarm
					Alarm status,will show the zone number if the zone alarm
Bottom status bar	3	00:04			Current time
		"Please exit" Countdown bar			Exit the delay status Enter into the countdown status when arm finished Will get to : get into when the countdown finished
		"Please disarm" Countdown bar			Enter into the delay status Need to be the count down status when get to the arm status, if no disarm, device will be triggered and alarm
		"Synchronizing" Countdown bar			Learning accessory state Please trigger the parts before count down
		Screen close button			Push and enter into black screen

· Menu Structure

Main menu	System Setting	Delay Setting	Exit Delay	Set the exit delay value, please refer to the daily operation words
				Unit:seconds;scope:0~65535; default:40 seconds
			Enter Delay	Set the enter delay value, please refer to the daily operation words
				Unit:seconds;scope;0~65535; default: 30 second
			Siren Duration	Set the siren duration time while alarming
				Unit:minutes;scope:0~65535;default:3 minutes
		Function Setting	Arm Beep	Set the arm beep for external siren while arm/disarm
				scope:on/off, default:off
			Alarm Beep	Set the siren notice for internal/external siren while arm/disarm
				scope:on/off, default:off
			Arm/Disarm SMS	SMS notice while setting the Arm/disarm
				scope:yes/no, default:no
			Keypad Lock	Keypad locked setting
				scope:yes/no, default:no
			Keyboard Backlight	Keyboard backlight setting
				scope:on/off, default:off
			Keypad Tone	Keypad Tone setting
				scope:on/off, default:off
			Delay Tick	Delay Tick notice while in/out setting
				scope:on/off, default:on
		Password Setting	System Password	System password setting
				Scope:0000~9999;scope:6666
			User Password	User password setting
				Scope:0000~9999;default:1234
		Language Setting	简体中文	Host Language: Simplified Chinese
			English	Host Language: English
			Deutsch	Host Language: Deutsch
			РУССКИЙ	Host Language: Russian
			Español	Host Language: Spanish
			Polski	Host Language: Polish
			Italiano	Host Language: Italian
			Français	Host Language:French
			Português	Host Language: Portuguese
		Initialization	System Initialization, Function & describe as: System Initialization	

Mainmen	Phone Management	1st Phone	Group 1 alarm phone number & dial Switch,SMS switch	See as: Phone Number setting
		2st Phone	Group 2 alarm phone number & dial Switch,SMS switch	
		3st Phone	Group 3 alarm phone number & dial Switch,SMS switch	
		4st Phone	Group 4 alarm phone number & dial Switch,SMS switch	
		5st Phone	Group 5 alarm phone number & dial Switch,SMS switch	
	Log Searching	Alarm Log	Alarm log & Event record	
		Arm Log	Alarm/disarm log searching	
	Accessories	Remote Controller	Add/delete remote controller	See as: Remote controller add/ delete
		Detectors	Add/delete wireless detectors	See as: Wireless detector add/ delete
		RFID	Add/delete RFID cards	See as: RFID card add/ delete
		Siren Learn	External wireless siren pairing	See as: External Wireless Siren matching
		Alarm Socket	Alarm linkage intelligent socket Airlink	See as Wireless Alarm Linkage
		Socket Timer	Intelligent socket timer on/off setting	See Intelligent Home
		Reader	Read the data code sent by terminal accessories	See
		Wired Defense Zone	Alarm information for configuring wired defense zones	See
	Wi-Fi Setting	Airlink	Host gets into WIFI wireless networking airlink status（need to match mobile APP)	See as Mobile APP with the host airlink & unbind
		Unbind	Unbind the mobile app with the host	
		MAC/IP	Get the Wi-Fi MAC&IP address	
		Hotspot Configuration	Host gets into WIFI wireless network airlink status（need to match mobile APP)	
	Record	Record/Playback	Record and playback	See as: Record management
		Play	Play the current record	
		Delete	Delete the current record	
		Duration	Set record duration	scope:1~20 second; Default:20
	Timer	Arm Timer	Arm timer time & on/off setting	See as: Arm / disarm Timer
		Disarm Timer	Disarm timer time & on/off setting	
		Zone&Sync	Set the time difference between the local time with the Greenwich time	
		Date & Time	Host time manual setting	
		Wi-Fi Sync	Set if the time sync with the Wi-Fi	Scope: on/off; default: on
		2G/3G Sync	Set if the time sync with the 2G/3G network	Scope: on/off; default: on
	Version	Search the Wi-Fi firmware、MAC address、2G/3G firmware、2G/3G module IMEI number、host firmware、host serial number		

Note: 1.Keyboard lock open: at the main interface, no pushing within 30 seconds or push directly, host will enter locked status. After locked, the user must enter a password to unlock before he can operate the host.

2.keyboard background light closed: at the main interface, no pushing within 30 seconds or push directly, host background light will be closed to save the power.

After selecting one language, the operation notice, display, SMS message will switch to the same language, host will restart while finished.

Initial Use

Getting started

- **Insert Card:**insert a standard micro SIM card into the card slot as illustrated below
- **Power On:** plug in the power adapter through the USB 5V interface.
- **Host On:** when the host is off, switch to ON and 'Welcome' displays. The host is on.
- **Host Off:** when the host is on, switch to OFF and black screen displays. The host is off.

System initialization

Main menu-System Setting-Initialization. All parameters, languages and time zones set by users will be back to factory default setting, all remote controls, detectors, RFID tags and records will be deleted, after initialization.

Networking IP deleted, the host is in GPRS offline statue. You' ll need to send SMS to reset IP for the host to go back online.

Caution! only advised to do this when you forget operation password, host malfunction, parameters setting mistakes, unidentified detectors, remote controls or RFID tags learned. Initialization doesn' t work under Keypad Lock.

Menu Operation

This product is designed with capacity touchscreen, utilizing current sensing of human body to function.
For features not listed in this chapter, refer to the descriptions in the diagram above.

Adding Alarm Phone Number

The host can be set to communicate with up to 5 phone numbers, dialing and SMS feature of which can be enabled/disabled separately. To set #1 phone number, for instance:

- 1. Keypad operation: Main Menu→Phone→1st Phone, press to enter setting interface. You can input the alarm phone number (max.18 digits).
- 2. Move to and press to set it on/off. When you set it on, the host will call this phone number when alarm happens.
- 3. Move to and press to set it on/off. When you set it on, the host will send SMS to this phone number when alarm happens.
- 4. Press ✓ to confirm Setting.

Adding/Deleting Remote Controller

Push: Main menu → Parts → Remote controller, enter the interface for remote controller setting.
Push ∧ or ∨ for page down, it will show all the Synchronized remote controller

Adding a new remote controller

- Press ⊕ to add remote, 20-second countdown starts. Press any of the 4 buttons on the remote control so that it sends wireless signal to the host.
- When 'Learning OK' displays, the remote is added successfully.
- When 'Device code has been learned' displays, it means the remote
- control was added already or it has the same wireless code as the other wireless detector added. Please change to a new remote.

Deleting a remote controller

- Press on the list of remotes to delete the remote,
- Press ⊗ to delete all remotes.

Match code with/delete wireless detectors

- Press: Main → menu → Parts → Detector,enter into the detector setting
- interface. Press ∧ or ∨ page down, it will list all the Synced wireless detectors.

Sync the new wireless detectors

- Press ⊕ ,host get into the" Set Name/Mode/Number" interface.
- Press ,choose the name of the zone for the none Sync wireless detectors.
- Press ,choose the type of the zone for the none Sync wireless detectors. Choose" **Stay Arm Active"** ,after the arm or stay arm setting, the detectors in this zone will alarm while be triggered. Front Door 、Window 、Balcony 、Perimeter use this kind of detectors.
  Choose **"Out Arm Active"** , after the stay arm setting, the detectors in this zones will not alarm while be triggered. Living Room 、 Bedroom and other internal place use this kind of detectors.
  Choose " **24 Hours Active"** , it will alarm while be triggered anytime, SOS Panic、Smoke/Fire、Gas、CO、water Leakage use this kind of detectors.
  Choose" **Close"** , it will not alarm while triggered.
  For wireless doorbell, please choose" **Doorbell"** , It will note "dingdong" anytime while be triggered.
- Press enter & edit the zone code of the none Sync wireless detectors, please do not be repeated with the code of the other zones.
- Press ✓ , host will show" Synchronizing" , and will get into the dialogue box for 20 seconds cut down of the wireless detectors.
  Trigger the wireless detectors and send signals to the host.

- When host shows" **Learning OK"** , means the detectors Sync successfully, it will list all the name of the detectors, type, code and address code.
  If host shows" **Device code has been learned"** ,means the detectors have been learned or repeated with the code of the other learned remote controller, need to be changed.

Delete

- Press the listed detectors ,delete the chosen detectors.
  Press ,delete all the detectors.

Setting Name/Type of Wired Defense Zone

The host supports up to 4 wired defense zones, name and type of which can be set separately.

Zone number for wired defense zones are not changeable and within 100-103

Setting wired zone #1 .for example:

- Main Menu→Parts→Wired Zone, wired zone 1,enter setting。
- Press to set name.
- Press to set type.

Stay Arm Active usually assigned to sensors on entry and exit doors, exterior doors and windows, perimeter. Active when armed in AWAY or HOME mode. We recommend to set Door/Window Sensor to **Stay Arm Active.**

Out Arm Active usually assigned to a interior area (i.e.: foyer, lobby,or room). Bypassed automatically when armed in STAY mode. We recommend to set PIR Motion Detector to **Out Arm Active.**

24 Hours Active usually assigned to a zone containing an Emergency Button, Smoke Sensor, CO, Water Leakage and Gas Sensors.

To used as doorbell, select **Doorbell.**

How to Pair a New Wireless Siren by Touchscreen

Go to Menu → Parts → Siren Learn

Press and hold the **SET** button of the siren until you hear two beeps, then the siren goes into the paring mode and the light ring blinks quickly.

How to Pair a New RFID Tag by Touchscreen

- Go to Menu → Parts → RFID → Add and enter
- Synchronizing is shown, the hub goes into the paring mode and count down the pairing time remained .

Tap the RFID Tag on the panel :

As the serial number of RFID Tag is added to the hub, Leaning OK will be shown.

The hub will show Device code has been learned if serial number of RFID Tag has been learned.

- Go to Menu → Parts → RFID → Delete to delete the RFID Tag specified by serial number .
- Go to Menu → Parts → RFID → Delete All to delete all the RFID Tags.

- Tap ✓ on the touchscreen within 6 seconds. The hub shows **Learn Signal Sent** and sends a transmission signal to the siren.
- The siren gives four beeps of successful indication.

If you want to unbind the wireless siren with the hub, press and hold the SET button of the siren until you hear three beeps.

How to Pair a New Wireless Socket by Touchscreen

- Go to Menu → Parts → Alarm Socket
- Press and hold the button of the switch until it lights up, then the switch goes into the paring mode.
- Tap on and off on the touchscreen . The hub shows and sends the on and off transmission signals to the switch.
- The siren gives three flashes of successful indication.

When a sound alarm occurs,the alarm wireless switch opens until the system is disarmed or alarm sounder timeout occurs.

If you want to unbind the alarm wireless switch with the hub, press and hold the button of the switch for about 10 seconds until light is off .

Smart home appliance

Full sockets

Interface press:press Socket,enter into the intelligent socket controlling interface.

Syncing

The syncing method between the host with the socket, please refer to the" alarm linkage intelligent socket syncing" one host can sync with several socket. press"On" or" Off" host will have the on/off signal to control the wireless socket.

Socket Timer

- Host can set several groups timer to open/close the intelligent socket. Can set the socket number, time, time on/off etc. in each group.
- Press: Main menu → Parts → Socket Timer, enter the intelligent socket timer interface.

Add the timer

- Press , enter into the socket timer setting interface.
- Press or + in - ,set the socket number.
- Press or + in - ,adjust the timer time.
- Press the week item in ,set the day of the week.
- Press choose timer on or off.
- Press ✓ , finish the setting.

Edit

Press the serial number front of the Timer, can edit the relevant timer, same as the above.

Wireless alarm linkage

Sync with alarm linkage intelligent socket

Press:Main menu → Parts → alarm linkage intelligent Alarm Socket,and enter

Delete

Press 🗑 behind of the timer list, delete the relevant timer.

Press ⊗ delete all the Timer.

Voice Recording

Alarm Recording

You can record up to 20s voice, the host will call pre-set phone numbers and play the voice.

- Main Menu → Voice Recording → Record and Play.
  The host displays "Busy, please wait"
- When it displays "Recording", the countdown starts.
- Speak to the host, make sure the voice record is simple and precise, This is address, intrusion detected'
- When finished, "Voice record playing" displays, and you' ll hear the playback.
  Click ✓ to save, it prompts "Saving, please wait"
- When "Operation succeed" displays, the recording is done.

Timed Arm/Disarm

You can set auto arm/disarm based on your routine to avoid duplicated operation in everyday life or not to forget arm/disarm.

Timed Arm

- Main Menu → Clock → Timed Arm
- Click + and - to set arm time (hour,minute)
- Click ■ to select "ON".
- Click ✓ to confirm.

Timed Disarm

- Main Menu → Clock → Timed disarm.
- Click + and - to set arm time (hour,minute)
- Click ■ to select "ON".
- Click ✓ to confirm.

Mobile APP

-Scan QR code on the preface of user manual to download the APP.

-For initial use, WiFi configuration with the host is required, please refer to the prompts in the APP.

REMOTE SMS

Set Parameters by SMS

User only need to edit the SMS as below format, and send to the host SIM card number to finish the setting.

*	System password	*	Address setting	Content setting	*	Address setting	Content setting	*

One SMS can be include one or several address and content, but need to be separated by *, the head and the end must be *, each address should be 2 digits, otherwise it may have the unexpected result, each SMS must be less than 160 bytes, we suggest to finish all the contents in one SMS.

Address	Function	Content & Scope	Factory Setting
35	Redial times while dial failure	1~255 Times	1 Time
36	bell ring times while auto receiving	1~255 Times	1 time（in future）
38	User name password correct	0000~9999 must be 4 digits	1234
39	System password correct	0000~9999 must be 4 digits	6666
43	Parameter initialization	See note 1	
51	alarm phone 1st setting	See note 2	Closed
52	alarm phone 2nd setting	See note 2	Closed
53	alarm phone 3rd setting	See note 2	Closed
54	alarm phone 4th setting	See note 2	Closed
55	alarm phone 5th setting	See note 2	Closed
62	Search the GSM field strength	Empty	
90	Set the GPRS sever IP address	this setting only be valid while the GPRS online, see note 3	Empty
92	Set the GPRS APN	this setting only be valid while the GPRS online, see note 4	CMNET
93	Set domain name of the network time sever		us.ntp.org.cn
94	Set the time difference with the standard Greenwich time		+8

Setting comment(allthe example used the default system password:6666):

1、**Parameter initialization:**keep the learned remote controller, wireless detectors

and RFID cards, others recovery to factory setting.

Set the SMS content as: *6666*43* .

2、 **Alarm phone number setting format**: xxxxxxxxxxx,A,B

Such as: xxxxxxxxxxx is the phone number(no more than 18 digits),A: alarm voice dial switch(1-on,0-off),B: SMS alarm switch(1-on,0-off).

For Example:

Set 2 alarm phone number, the one 13912345678used to receive the voice dialing and SMS,the one 075581234567only used to receive the voice dialing, then the SMS content should be:

*6666*5113912345678,1,1*52075581234567,1,0*

3、 **IP address setting format should be:** aaa,bbb,ccc,ddd,xxxxx

Such as: aaa,bbb,ccc,ddd is the IP address,xxxxx is the port number,use the comma to separate for each address.

For example:

Set the GPRS network sever IP address is 116.62.42.223,port number is 2001, then the SMS content setting should be: *6666*90116,62,42,223,2001*

4、 Set the local GSM operator GPRS access point APN

For example:

Local GSM operator GPRS access point APN is internet.beeline.kz，then the SMS content setting should be： *6666*92internet.beeline.kz*.

Set Control Panel’s Name by SMS

Set one name to the host, used for the prefix for the alarm SMS, so to distinguish the position for each alarm host.

SMS setting format 1234 is the user password, @is the commend words, “XX estate a building” is the content name (no more than 40 digits).

Set Defense Zones’ Name by SMS

Set the name of each zones, used to distinguish each zones when alarm happened.

SMS setting format: 1234@XX bedroom ,1234 is the user password, @ is the commend digit，XX is the zone code（scope 00~99）,” bed room” is the name want to set (no more than 20 digits) .

Searching system setting:

SMS format： *6666*62* , host echo:

YSTEM set:	
SN:	Host serial number
LANGUAGE:	Host language
ENGINEER PASSWORD:	Engineer password
USER PASSWORD:	GSM field strength value(0 or 99means the signal unusual)
WIFI RSSI:	WIFI field strength value

Searching system 2

SMS format：*6666*90*, host echo:

SYSTEM set2:	
APN:	Name of the GPRS access point
GPRS IP:	GPRS network IP sever & client number
NTP:	Network time sever domain name
TIME ZONE:	GMT standard time
SERVER:	Sever

Alarm phone number searching setting

SMS format：*6666*51* ,host echo:

PHONE set:	
1:	1 alarm phone number, voice switch, SMS switch, general switch
2:	2 alarm phone number, voice switch, SMS switch, general switch
3:	3 alarm phone number voice switch SMS switch general switch
4:	4 alarm phone number voice switch SMS switch general switch
5:	5 alarm phone number voice switch SMS switch general switch
REDIAL COUNTER:	voice alarm redial counters

Delay searching setting

SMS format: *6666*33* , host echo:

DELAY set:	
ENTRY:	delay entering(unit: second)
EXIT:	delay quit(unit: second)
SIREN:	alarming time(unit: minutes)

Searching switch setting

SMS format：*6666*46* ,host echo:

SWITCH set:	
ARM/DISARM BEEP:	arm/disarm Beep switch(1：on, 0：off)
ALARM BEEP:	alarm beep switch(1：on, 0：off)
ARM/DISARM SMS:	arm/disarm SMS switch(1：on, 0：off)

Learned remote controller & detector quantities

SMS format：*6666*26* ,host echo:

DETECTOR learned:	
REMOTE:	learned remote controller quantities
DETECTOR:	learned detectors quantities
RFID:	learned RFID card quantities

PHONE FUNCTION

Push in the main interface, and enter the phone number dialing interface.
Push to look over the dialed phone number.

! In any of the following states, phone call operation will be forbidden: GSM network abnormal, arm/disarm, phone alarm being in progress.

User Daily Operation

Users can operate the alarm host in any ways as below:

- On-site Remote controller, keyboards , RFID cards .
- Remote SMS
- Mobile phone APP
- GPRS alarm center

Out Arm

By remote control: press 【 】key to trigger "Out Arm" .
By keyboard: In Main Interface, press to trigger Out Arm.
By RFID tag: In disarm mode, put the RFID card close to the sensitive area on bottom right corner of the alarm host.
By remote SMS: Send SMS message 1234#1 (1234 is user password), the alarm
host will send "System Armed!" SMS to mobile phone to confirm.
By APP: In Main Menu, select "icon, then select delay arm time (exit delay). After around 3 seconds, operation for "Out Arm" is completed, the App status icon updated to Out Arm.
The alarm host reminder: A reminding voice "System armed" will be heard, the main Interface displays "Armed" and "Please exit" , and an exit time progress bar appears. The user should leave the alarm zone before exit time. If Arm/Disarm SMS switch 【 】 is on, the preset phone will receive SMS of "System Armed!" .

In Out Arm mode, all defense zones are on alert statues. If there is any defense zone being triggered, the alarm host will generate sound and light alarm. Meanwhile, alarm host will send alarm SMS and make calling to preset phone number, and push alarm information to APP/GPRS alarm center. If alarm host has been learned alarming leakage smart plug, the plug will switch on when alarming.

Stay Arm

By remote control: press 【 】key to trigger "Stay Arm" .
By keyboard: In Main Interface, press to trigger Stay Arm.
By remote SMS: Send SMS message 1234#3 (1234 is user password), the alarm host will send "System Stay Armed!" SMS to mobile phone to confirm.
By APP: In Main Menu, select " Stay Arm" icon, after around 3 seconds, the operate for "Out Arm" is completed.
The alarm host reminder: A reminding voice "System armed" will be heard, the Main Interface displays "Stay Armed" . If Arm/Disarm SMS switch 【 】 is on, the preset phone will receive SMS "System Stay Armed! ".

In Stay Arm mode, only valid Stay Arm defense zones are on alert status. If any defense zones is been triggered, the alarm host will generate sound alarm, Meanwhile, alarm host send alarm SMS and make calling to preset phone number, and push alarm information to APP/GPRS alarm center. If alarm host learned alarming. leakage smart plug, the plug will switch on when alarming.

Disarm

By remote control: press 【 】 button to trigger "Disarm" .
By keyboard: press on main interface .
By RFID tag: in out arm/stay arm mode, put the RFID card close to the sensitive area on bottom right corner of the alarm host. By SMS: Send SMS message 1234#2 (1234 is user password), the alarm host will send "System Disarmed!" SMS to mobile phone to confirm.
By APP: In Main Menu, select " Disarm" icon, after around 3 seconds, the operate for "Out Arm" is completed.
The alarm host reminder: A reminding voice "System Disarmed" will be heard, the Main Interface displays "Disarmed" . If Arm/Disarm SMS switch is on,the preset phone will receive SMS "System Disarmed!" .

In Disarm mode, all alarm procedure will be terminated, If Arm/Disarm SMS switch is on , the preset phone will receive SMS "System Stay Armed! ". If alarm host learned alarming leakage smart plug, the plug will switch off.

SOS

By remote control: press【SOS】button on the remote control.
By keyboard: Press 【SOS】 on the main interface of the alarm host.
By APP: Select" SOS" icon in the main menu.
The alarm host reminder: The Main Interface displays "Help" . The alarm host will generate a sound alarm, and send alarm SMS or make calling to the preset phone numbers , simultaneously send the alarm message to mobile phone APP or GPRS alarm center.

Confirm the operation result by SMS

<The alarm host name>: The result of remote operation

ALARM & REMOTE MONITORING

The host supports multiple types of alarm. When alarm occurs, it sends alarm messages containing the detector name and number to the user's mobile phone, pushes alarm information to the mobile phone APP, and sends alarm information to the handset monitoring center. At the same time, it dials the user's telephone, and the user can conduct on-site monitoring and remote control after the connection.

The host also supports the following alarm classes

- Main power failure (the alarm is effective after the main power failure lasts for 5 seconds)
- Anti-prying alarm (alarm after separation of main engine wall mounting bracket and main engine)
- Spare battery power shortage (The alarm is valid when the spare battery voltage is less than 3.45V and lasts for 10 seconds under the condition of main power failure.)
- Main power recovery.

SMS Alarm

Alarm occurred, host will send SMS manger to the preset phone numbers,should

```
<Host Name>:
Current alarm!
Defense Zone：xx
```

Auto Dial Number Setting

When alarm occurs, host will dial the preset phone numbers. (dial switch should be opened), after user answered, host will displays the current alarm type first, if there is a default recording, it will have voice notice "Press 1 is arm, Press 2 is disarm, Press 3 to monitor, Press 4 to talk". If user finds the misinformation, press 2 to disarm and end the alarm progress. Users can also press 3 to close the scene alarm. Just hang up the phone without monitor.

If the user fails to answer or dial, the host will continue to dial the preset phone according to the preset number of dials until the user receives the call.

Preset Telephone Remote Calls Host

When several sets of telephone numbers preset by the host actively call the alarm host, the host will automatically connect, after the call is connected, the host can monitor the on-site scene or control the host according to voice prompts.

Networking Alarm Receiving Procedure

When alarm occurs, host will send the alarm message to the network monitoring center via the GPRS. The emergency response can be handled quickly after the central police have responded to the alarm.

This function will be valid only after the host has been opened with the user network alarm function and service.)

The IP address must be set up by using SMS, and this function will be effective.
APN must also be set in foreign or other areas. As for the method of these two settings, please see SMS message setting parameters).

Technical Parameters

-Input Voltage: DC5V (Micro USB Standard Interface Power Supply)
-Working Current: <120mA when the screen is off, <240mA standby current when the screen is on
-Standby Current: 0uA
-Siren Output: <560mA
-Wireless Frequency: 315/433/868/915Mhz
-Wireless Coding: eV1527
-GSM System: 850/900/1800/1900MHz
-WIFI System: IEEE802.11b/g/n wireless standard
-Spare Battery: 3.7V/500mAh lithium battery
-Working Temperature: 0 ~ 55 ℃
-Relative Humidity: < 80% (no condensation)
-Product Size: 160*98*19MM (length x height x thickness)

PACKING LIST

-1 host with the spare battery
-Micro USB 5V/1000mA standard power supply
-Others as the customer OEM requirement.

PGST®

Date: 2019.8.21

产品型号	PG-107	**部件名称**	PG-107公司标准英文说明书
设　　计		**材　　料**	封面128铜板纸（表面过哑膜） 内页70G双胶纸骑马钉
品　　号			
工　　艺		**成品尺寸**	120*180MM

注： 封面封底四色**CMYK**
内页单色