

Smart Security System

User Guide

WIFI+GSM/3G+GPRS

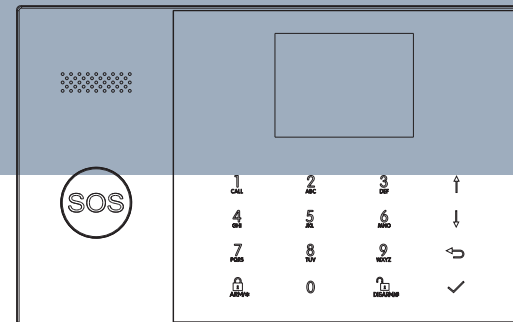
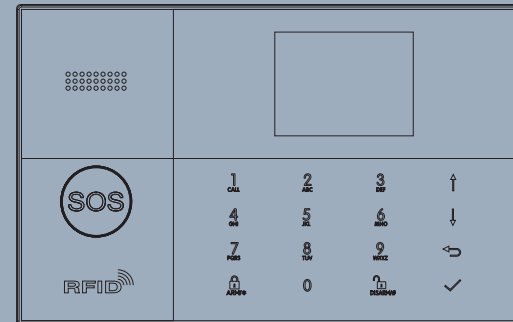


Table of content

About Your Security System	1~2
General	1
Features	1
General Information	2
SYSTEM OVERVIEW	3~8
About the Panel	3
About the Backlight Indicators of Panic Key	4
Wiring Overview	4
Hardwired Zone Connections	5
Home Screen	5
About the Home Screen Display	6
Quick View of Menu Functions	7~8
The First Usage	9~13
Set up	9
Setting Phone Numbers	9
Wireless Keys	10
Wireless Sensors	10
RFID Tags	11
Pairing with Wireless Siren	12
Alarm Syncing with Wireless Switch	12
Home Automation	12
Message Recording	13
Arm/Disarm Automatically	13
Mobile APP	14
Remote SMS	14~16
How to set the parameters via SMS	14
The alarm SMS notification prefix	15
How to set the customized Zone Name	15
Get the settings via remote SMS	15
Query the system settings	15
Query the second page of system settings	15

Query the Phone Number Settings	16
How to make a call via the panel	16
<hr/>	
Securing the premises	16
<hr/>	
Arming the System	17
Arming in Stay Mode	17
Disarming the System	17
SOS	17
Multi-Mode Alarm Feature	18
<hr/>	
SYSTEM TROUBLES	18
SMS Notification Feature	18
Two-Way Voice Feature	18
Voice Dialog	18
The Phone Programmed Call the Panel	18
Specifications	19
<hr/>	

About Your Security System

General

This system offers you three forms of protection: burglary, fire, and emergency, depending on the configuration of your system. The system consists of a touch panel control for system operation, various sensors that provide perimeter and interior burglary protection, and optional smoke, combustion or carbon monoxide detectors to provide early fire or dangerous environment warning. In addition, wireless keys or optional RFID tags allow you to control the system away from the touch panel control.

Features

- 2.4-inch TFT Color Display with simplistic human-machine interaction interface.
- Device status bar, clock & date display.
- Capacitive touch keys, on-board SOS button.
- Embedd CPU with 32-bit Cortex M3 kernel.
- Multi-task based OS design with excellent user operating experience.
- Wi-Fi/GSM/3G/GPRS networking alarm system with multiple notification methods including APP push,, SMS, voice monitoring, CMS networking alarm, to ensure stability and reliability.
- Voice arm/disarm, SMS arm/disarm/parameter settings.
- Support up to 90 remote controls and wireless detectors, 10 RFID tags
- 3 EOLR wired defense zones.
- Rename of defense zones like door, living room, SOS, bedroom, windows, balcony, perimeter, smoke, gas, carbon monoxide, water leakage, etc.
- Alarm for main power failure, backup battery low power, tamper.
- Alarm for low voltage on wireless detectors, and tampers on them.
- Door/windows opening alert when device is armed.
- Multiple defense modes for setting: Stay arm, Out arm, 24 Hours, Doorbell, etc.,
- Up to 5 alarm phone numbers can be set, SMS/call feature can be set separately.
- Wired siren port, 1 channel external wireless siren, 1 channel wireless socket with alarm synchronization.
- Remote control of home appliances through multiple wireless sockets. Timed on/off.
- Timed arm/disarm.
- Storage and query of daily operation logs and alarm logs.
- Auto sync of time via GSM/WiFi.
- Menu and voice prompts in multiple languages.
- Alarm SMS setting.
- Record up to 20 second voice message as alarm notification.
- Phone function.
- 5 phone numbers can be set for alarm auto dialing.

- 5 phone numbers can be set for alarm auto dialing.
- APP operation with great ease.
- APP push for arm/disarm, alarm, device status.
- APP arm/disarm.
- GPRS real time online for device status. Auto alarm when offline.
- GPRS TCP/UDP protocol channel reserved for multiple CMS networking alarm.
- CMS remote operation.

General Information

Burglary Protection

Your system provides two modes of burglary protection: STAY and AWAY. STAY mode protects the perimeter only, allowing you to freely move inside the premises. AWAY mode protects the entire system. Both modes provide an entry delay time that allows you to reenter the premises without setting off an alarm.

Zone

Your system's sensing devices have been assigned to various "zones." For example, the sensing device on your entry/exit door may have been assigned to zone 01, sensing devices on windows in the master bedroom to zone 02, and so on. These numbers appear on the display when an alarm or trouble condition occurs.

Exit/Entry Delays

Your security system has been programmed with delay times that allow you to exit the premises after arming, and to disarm the system upon entry, before an alarm occurs. If you leave the premises too late when exiting, or disarm too late when arriving home, it will cause a false alarm. If an alarm occurs, you should disarm the system immediately.

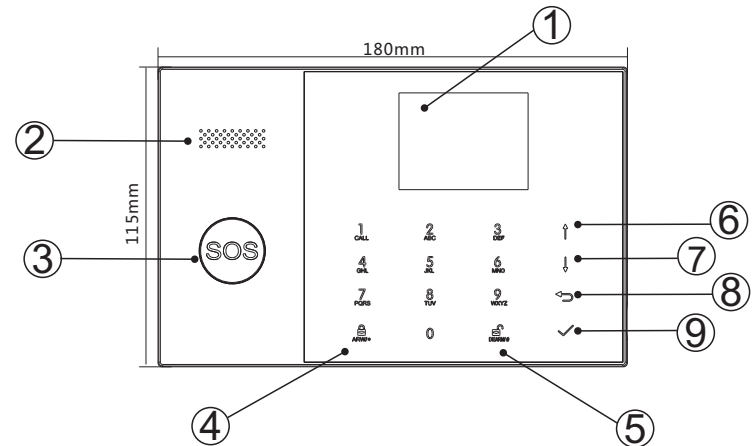
Exit Alarms:

The security system will generate a Door/Window Open alarm, and display "Door/Window Open" when you leave the premises and forget to close the door or window after the exit delay expires.

Alarms
When an alarm occurs, both the built-in and external sounders will sound until the system is disarmed or until alarm bell timeout occurs, and a message on the display will identify the zone(s) causing the alarm. Your system may also have been programmed to automatically send alarm messages and voice via the cellular/GSM/GPRS/3G network, and push alarm notification to your mobile app. In addition, if your system is connected to a central monitoring station, an alarm message will be sent. To stop the alarm sounding, you simply disarm the system.

SYSTEM OVERVIEW

About the Panel

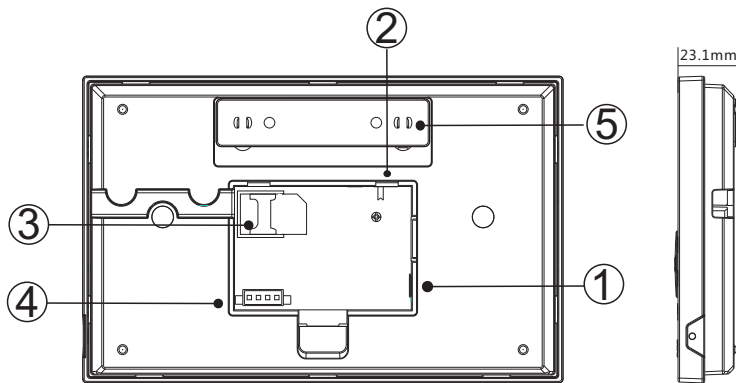


Index	Item	Description	
1	Display Window	2.4" TFT Display screen. Displays system status icons and information, time, zone(s) alarm information and user menus.	
2	Speaker	Alarms and confirmation sounds.	
3	Panic Key	Press to generate a Panic Alarm in case of fire or personal emergency.	
4	Away/Stay Arm Button	Press to arm the entire burglary system, perimeter and interior. Press twice to arm perimeter portion programmed for "Stay Arm Active" of burglary system only. Interior protection is not armed, which allows movement within premises without causing alarm.	
5	Disarm Button	Press to disarm the system and to clear alarm. Press twice to clear trouble display of accessories.	
6	Menu Buttons	Scroll Up/Function/Page Up Button	Scroll up to the desired function or menu.
7		Scroll Down/Backspace/Page Down Button	Scroll down to the desired function or menu.
8		Cancel/Back Button	Return to the previous screen.
9		Enter Button	Select option or enter to the next screen.

• About the Backlight Indicators of Panic Key

WHAT YOU SEE	WHAT IT MEANS
Blinking alternately	System is in Alarm
Pulse	System is Armed
Steady	System is Disarmed

• Wiring Overview

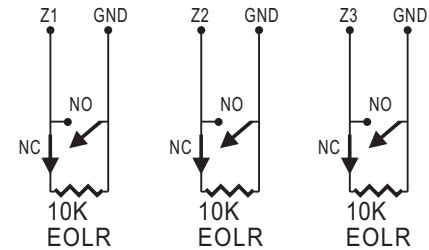


Index	Description
1	Power Supply Receptacle
2	Backup Battery Switch
3	SIM card Receptacle
4	EOLR Hardwired Zones Connections, refer to section 2.3 and the Hardwired Zones Connections diagram
5	Tamper Switch


• Hardwired Zone Connections

Zone 1, Zone 2 and Zone 3 are the EOLR supervised zones that supports both open circuit and closed circuit devices and has a response time of 300msec . Maximum zone resistance: 11000 ohms,plus EOLR
Connect closed circuit devices in series in the high (+) side of the loop. The EOL resistor must be connected in series with the devices, following the last device.

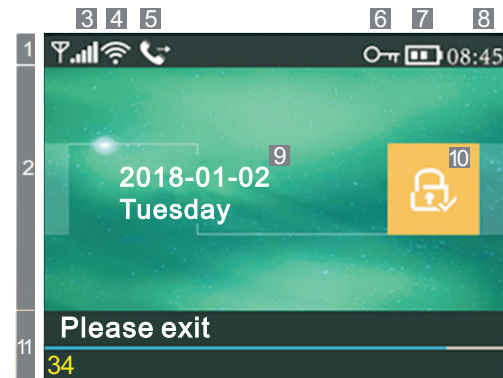
Connect open circuit devices in parallel across the loop. The 10000-ohm EOLR must be connected across the loop at the last device.
Refer to the Hardwired Zones Connections diagram.



the Hardwired Zones Connections Diagram

 **EOLR(End of Line Resistor):** If the EOLR is not at the end of the loop, the zone will not be properly supervised, and the system may not respond to an open circuit on the zone.

• Home Screen



• About the Home Screen Display

1	3	GSM Status		No SIM card present or SIM card faulty
				Connected to server
				RSSI level signal strength Signal strength is displayed by a series of 1 to 5 bars (weak to strong), and bars are gray if not registered with cell network
	4	Wi-Fi Status		Indicates that the system is connected to a WiFi source and the signal strength.
				Indicates that the system is connected to the server if dot is displayed.
	5	GSM 任务状态		SMS Sending
				Calling
	6	键盘锁状态		Keypad Locked
7	Power Status		AC Powered	
			Displayed when the system has lost AC power. The icon is red when the system's backup battery power is low.	
8	Clock	08:45	Real-time Clock	
2	9	Date, time and week		
	10	Arm/Disarm Status		System is Armed Away
				System is Armed Stay.
	System is Disarmed.			
11	Ready	08:45	Clock	
	Countdown	"Please exit" Countdown Bar	Exit Delay You now have xx seconds to leave the premises before the exit delay expires. When the exit delay is completed, the alarm system is armed.	
		"Please disarm" Countdown Bar	Entry Delay You must disarm the system before the entry delay expires, or an alarm will occur.	
		"Synchronizing" Countdown Bar	Sniffer Mode You must active the wireless transmitter before the sniffer delay expires.	
Alarming	"Alarm" is displayed upper the red bar, and the Zone "Alarm" is displayed in a red status bar along the red bar. An alarm (bell) icon along with "Alarm " is displayed alternately with the Zone that has caused the alarm.			

• Quick View of Menu Functions

		Icon and Caption	Description	Factory Defaults	
Main Menu	Settings		Exit Delay	Used to set Exit Delay 0~65535, unit: second	40 seconds
			Entry Delay	Used to set Entry Delay 0~65535, unit: second	30 seconds
			Siren Duration	Used to set Siren Duration 0~65535, unit: minute	3 minutes
			Arm Beep	Enable/Disable Arm and Disarm Beep ⁽¹⁾	Enable
			Siren	Enable/Disable Alarm Continuous Siren when an alarm occurs	Enable
			Arm SMS	Enable/Disable SMS notification when arm or disarm	Disable
			Keypad Lock	Enable/Disable Keypad Lock ⁽²⁾	Disable
			Backlight	Enable/Disable Keypad Backlight ⁽³⁾	Enable
			Keypad Tone	Enable/Disable operation chime	Enable
			Delay Tick	Enable/Disable entry and exit chime	Enable
	Door/Window Open Warning		Enable/Disable Exit Alarm Warning ⁽⁴⁾	Enable	
			System	Change System Code ⁽⁵⁾ 4 digits	6666
			User	Change User Code ⁽⁶⁾ 4 digits	1234
		Language	简体中文	Language Selection ⁽⁷⁾	English
			English		
			Deutsch		
			РУССКИЙ		
			Español		
			Polski		
			Italiano		
Français					
Português					
	Initialization	Loading Factory Defaults ⁽⁸⁾			
	Reset	Reset			

Main Menu	Phone	1 st Phone	Used to set the first Phone Number, Enable /Disable Dialling and Enable/Disable SMS	Null
		2 nd Phone	Used to set the second Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
		3 rd Phone	Used to set the third Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
		4 th Phone	Used to set the fourth Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
		5 th Phone	Used to set the fifth Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
	Log	Alarm Log	Used to view system alarm events.	
		Arm Log	Used to view system arm/disarm events.	
	Parts	Remote	Pairing, Delete or Delete All the wireless keys	
		Detector	Pairing, Edit, Delete or Delete All the wireless sensors	
		RFID	Pairing, Delete or Delete All the RFID tags	
		Add	Pairing a new Wireless Key, Sensor or RFID tag	
		Delete/Edit	Delete a Wireless Key or RFID tag from the list Edit/Delete a wireless sensor from the list	
		Delete All	Delete all the Wireless Key, Sensors or RFID tags	
		Siren Learn	Used to sends a transmission signal to the wireless siren be paired.	
		Eol Zone	Used to set the Zone(EOLR) Name, Type	
		Alarm Socket	Pairing with the wireless switch	
		Socket	Pairing with the wireless switch	
	Wi-Fi	Airlink	WiFi configuration (Requires the mobile APP).	
		Unbind	Unbind the Panel link from the server	
		MAC/IP	Used to display the MAC and IP addresses of the WiFi module	
	Record	Record	Message Recording and Playback	
		Play	Used to listen to the recorded message	
		Delete	Used to delete the recorded message	
		Duration	Used to set Record Duration (unit: second, 1-20 is available)	20seconds
	Timer	Arm Timer	Used to set a daily time to arm automatically, and Enable/Disable automation	
		Disarm Timer	Used to set a daily time to disarm automatically, and Enable/Disable automation	
		Disarm Timer	reserved	+08:00
Date&Time		Set the time and date		
Wi-Fi Sync		Enable/Disable using the WiFi network-provided time	Enable	
2G/3G Sync		Enable/Disable using the cellular network-provided time	Enable	
Version	Used to display the firmware and MAC address of the WiFi module, the firmware and IMEI of the GSM module and Serial Number of panel			

• Description

1. Arm Beep : When enabled, the system will announce the system status when armed or disarmed.
2. Keypad Lock : The system will lock the keypad if no operation during 30 seconds on Home Screen. To enable the keypad, you must enter the valid User Password.
3. Backlight : If disabled, display backlight turn off after 30 seconds if no operation on Home Screen.
4. Door/Window Open Warnings : If enabled, the system will generate a Exit Alarm Warning notification when you leaving a door or window open after the exit delay expires.
5. System Password : used for keypad unlocking and SMS remote settings.
6. User Password : user for keypad unlocking, SMS Remote Control and Alarm text notification prefix Setting.
7. Language : Voice Announcement, Displaying and SMS notification will be in the selected language. After selecting the desired language, the panel will reset.
8. Initialization : If the factory default configuration is loaded, any data that has already been programmed into the system will be changed into the Factory Default Configuration!

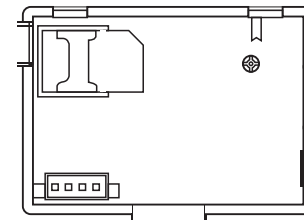
The First Usage

• Set up



With the built-in WiFi Communications module, if your system is equipped to report alarms and Remote Access via Mobile APP over the internet, your router must remain powered-on at all times, and a WiFi internet connection is required.

With the built-in GSM/3G Communications module, if your system is equipped to report alarms and Remote control via SMS or Voice Dialling, to ensure the SIM card is installed (refer to the diagram below) and the panel must be connected to the GSM/3G Cellular or to the Internet.



AC Power Connections - Connect the Power Supply to the **DC 5V** receptacle, and push the backup battery switch to "ON" .

• Setting Phone Numbers

Up to 5 User Phone Numbers used to receive the Alarm SMS notification and Audio Alarm Verification.

- ↓ Select: "Main Menu→Phone→1st Phone, 2nd Phone, 3rd Phone, 4th Phone or 5th Phone", the system displays the Phone programming screen.
- ↓ Use **[←]** to scroll to **[☰]**, then use digits keypad to enter the Phone Number (up to 18 digits).
- ↓ Use **[←]** to scroll to **[☑]**, then use **[↔]** to toggle between "off" and "on". When "on" is selected, the Voice Dialing Alarm will be active.
- ↓ Use **[←]** to scroll to **[☑]**, then use **[↔]** to toggle between "off" and "on". When "on" is selected, the SMS Text Notification Alarm will be active.
- ↓ Press **[☑]** to save your new settings.

Wireless Keys

Pairing a New Wireless Key

- ↓ Select "Main Menu→Parts→Remote→Add".
- ↓ "Synchronizing" is displayed, the system goes into the sniffer mode and count down the pairing time remaining.
- ↓ Press one button of wireless key to send a transmission signal to the panel.
- ↓ As the serial number of wireless key is added to panel, "Leaning OK" will be displayed. The system will display "Device code has been learnt" if serial number of wireless key have been learned.

Delete

- ↓ Select "Main Menu→Parts→Remote→Delete".
- ↓ Use the **[↑]** **[↓]** buttons to scroll to the serial number be deleted.
- ↓ Press **[☑]** to delete the selected serial number.

Delete All

- ↓ Select "Main Menu→Parts→Remote→Delete All".
- ↓ A total number of serial numbers learned is displayed.
- ↓ To delete all the serial numbers, press **[☑]**.

Wireless Sensors

Pairing a New Sensor

- ↓ Select "Main Menu→Parts→Detector→Add".
- ↓ Use **[↑]** to scroll to **[☰]**, then use **[↓]** to scroll to the desired Zone Name.
- ↓ Use **[↑]** to scroll to **[☑]**, then use **[↓]** to scroll to the desired Zone Mode(Type). You must assign a Zone Type to each zone(sensor), which defines the way in which the system responds to faults in that zone.
 - "**Stay Arm Active**" usually assigned to sensors or contacts on entry and exit doors, exterior doors and windows, perimeter. Active when armed in AWAY or STAY mode.
 - "**Out Arm Active**" usually assigned to a interior area (i.e.: foyer, lobby, or room). Bypassed automatically when armed in STAY mode.
 - "**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**".
- To disable the zone, select "**Close**".

- ↓ Use **[↑]** to scroll to **[☑]**, then use digits keypad to enter the Zone Number (0-89 are available). The Zone Number should be unique.
- ↓ Press **[☑]**, "Synchronizing" is displayed, the system goes into the sniffer mode and count down the pairing time remaining.
- ↓ Active wireless sensor to send a transmission signal to the panel.
- ↓ As the serial number of wireless sensor is added to panel, "Leaning OK" will be displayed. The system will display "Device code has been learnt" if serial number of wireless sensor have been learned, and the Zone Name/Mode/Number will be refreshed.

Edit/Delete

- ↓ Select "Main Menu→Parts→Detector→Edit".
- ↓ Use the **[↑]** **[↓]** buttons to scroll to the serial number be edited.
- ↓ To edit the Name/Mode/Number of displayed zone, press **[↑]**.
- ↓ To delete the selected serial number, press **[☑]**.

Delete All

- ↓ Select "Main Menu→Parts→Detector→Delete All".
- ↓ A total number of serial numbers learned is displayed.
- ↓ To delete all the serial numbers, press **[☑]**.

RFID Tags

Pairing a New RFID Tag

- ↓ Select "Main Menu→Parts→RFID→Add".
- ↓ "Synchronizing" is displayed, the system goes into the sniffer mode and count down the pairing time remaining.
- ↓ Put the tag close to the RFID area of panel.
- ↓ As the serial number of tag is added to panel, "Leaning OK" will be displayed. The system will display "Device code has been learnt" if serial number of tag have been learned..

Delete

- ↓ Select "Main Menu→Parts→RFID→Delete".
- ↓ Use the **[↑]** **[↓]** buttons to scroll to the serial number be deleted.
- ↓ Press **[☑]** to delete the selected serial number.

Delete All



- ↓ Select "Main Menu→Parts→RFID→Delete All".
- ↓ A total number of serial numbers learned is displayed..
- ↓ To delete all the serial numbers, press **[☑]**.


Pairing with Wireless Siren

- ↓ Operating the Wireless Strobe Siren to go into the Sniffer mode(refer to user guide of strobe siren).
- ↓ Select "Main Menu → Parts → Siren Learn" .The panel displays " Learn Signal Sent" and sends a transmission signal to the Strobe Siren.
- ↓ The Strobe Siren gives a successful indication.

Alarm Syncing with Wireless Switch


Pairing with Wireless Switch


- ↓ Select "Main Menu → Parts → Alarm Socket" , the system displays the Alarm Socket pairing screen.
- ↓ Operating the Wireless Switch to go into the Sniffer mode(refer to user guide of wireless switch).
- ↓ Press the "on" button  and the "off" button  in turn , The panel displays " Learn Signal Sent" and sends a transmission signal twice to the Wireless Switch.
- ↓ The Wireless Switch gives a successful indication.
To test if pairing ok, press "on" and "off" to check if the wireless can be opened and closed.

 When a sound alarm occurs, the Wireless Switch will be opened until the system is disarmed or alarm sounder timeout occurs.

Home Automation (If equipped)

Pairing with Wireless Switch


 To pair with the wireless switch (up to 8 switches), refer to the previous section "Pairing with Wireless Switch" .To test if pairing ok, press "on" and "off" to check if the wireless can be opened and closed.

 You can open or close the wireless switch via control panel.

Message Recording

Message Recording and Playback







Your system can Record/Playback/Delete a brief message(up to 20 seconds) that can be played back later. The message will be played to the remote when a alarm call is connected.

- ↓ Select "Main Menu → Record → Record" , the system displays the Record screen.
- ↓ Ready to record when "Recording" is displayed in the title box and the system display will count down the recording time remaining.
- ↓ Speak into the microphone and the recording automatically stops after the time expires.
- ↓ The system plays back the message automatically.
- ↓ Press  button to save the message.







Arm/Disarm Automatically

The feature can be used to program the system to arm or disarm the system automatically at a daily time.

Arm Schedule

- ↓ Select "Main Menu → Timer → Arm Timer" , the system displays the Arm Timer programming screen.
- ↓ Use  to scroll to  , then use digits keypad to enter the Daily Arm time (in 24-hr).
- ↓ Use  to scroll to  , then use  to select "on" .
- ↓ Press  to save your new settings.

Disarm Schedule

- ↓ Select "Main Menu → Timer → Disarm Timer" , the system displays the Disarm Timer programming screen.
- ↓ Use  to scroll to  , then use digits keypad to enter the Daily Disarm time (in 24-hr).
- ↓ Use  to scroll to  , then use  to select "on" .
- ↓ Press  to save your new settings.

Mobile APP

Please refer to attachment

Remote SMS

How to set the parameters via SMS

To set the parameters via SMS, editing the setting text message as below, then sends it to the SIM number installed in the panel. Your mobile will received an acknowledgement SMS if setting ok.

*	System Password	*	Command1	Parameter1	*	Command2	Parameter2	*
---	-----------------	---	----------	------------	---	----------	------------	---

Note: The command must be 2 digits(e.g.,01,90,etc.), and the header, separator and ending character must be '* ' .

Command	Function	Description	Factory Defaults
51	1 st Phone Number	refer to note 1	Null
52	2 nd Phone Number	refer to note 1	Null
53	3 rd Phone Number	refer to note 1	Null
54	4 th Phone Number	refer to note 1	Null
55	5 th Phone Number	refer to note 1	Null
90	the server IP address and Port	Only used for connection to server, refer to note 2	Null
92	the GPRS APN	Only used for GPRS network, refer to note 3	CMNET

Note:

The examples uses the default system password 6666.

- The Phone Number setting format of remote text message: **xxxxxxxx.A,B**
In this sting, "xxxxxxxx" is the phone number(up to 18 digits), "A" used to Enable(1) or Disable(0) the Alarm Voice Dialling and "B" used to Enable(1) or Disable(0)the Alarm SMS notification.
For example:
To set the 1st Phone Number as "13912345678" and enable the SMS notification only, and to set 2nd Phone Number as "075512345678" and enable the Voice Dialling only, then the remote SMS is *6666*5113912345678,0,1*52075512345678,1,0*.
- The server IP address and Port used for connection to the alarm monitoring company.
The server IP and Port setting format of remote text message: **aaa,bbb,ccc,ddd,xxxxx**
In this string, "aaa,bbb,ccc,ddd" is the IP and "xxxxx" is Port.
For example:
To set the IP and Port as "116.62.42.223:2001" , then the remote SMS is *6666*90116,62,42,223,2001*.

- Setting the operator Access Point Name

For example:

To set the APN as "internet.beeline.kz" , then the remote SMS is *6666*92 internet.beeline.kz*.

The alarm SMS notification prefix

The panel can be named after a customized text via remote SMS. The name is used for the alarm SMS notification prefix.

The alarm notification prefix setting format: **1234@XXX building**.

In this string, "1234" is the User Password , "@" is a command flag and "XXX building" is the customized text.

How to set the customized Zone Name

You can set a customized name for each zone via remote SMS. The name is used to identify which zone alarm occurs in the SMS notification.

Remote SMS format: **1234@XX@Down Stairs**

In this string, "1234" is the User Password , two "@" are command flags, "XX" is the Zone Number(from 00 to 89) and "Down Stairs" is the customized text. .

Get the settings via remote SMS

Query the system settings

Format is *6666*62*, and the panel echoes as follow.

SYSTEM set:	
SN:	Serial Number of the panel
LANGUAGE:	Language
ENGINEER PASSWORD:	System Password
USER PASSWORD:	User Password
GSM CSQ:	GSM RSSI
WIFI RSSI:	Wifi RSSI

Query the second page of system settings

Format is *6666*90*, and the panel echoes as follow.



SYSTEM set2:	
APN:	GPRS Access Point Name
GPRS IP:	Server IP address and Port
NTP:	reserved
TIME ZONE:	reserved
SERVER:	reserved

Query the Phone Number Settings

Format is *6666*51*, and the panel echoes as follow.

PHONE set:	
1:	The 1st Phone Number, Voice Dialling and SMS switches
2:	The 2nd Phone Number, Voice Dialling and SMS switches
3:	The 3rd Phone Number, Voice Dialling and SMS switches
4:	The 4th Phone Number, Voice Dialling and SMS switches
5:	The 5th Phone Number, Voice Dialling and SMS switches
REDIAL COUNTER:	Redial Counter for Voice Dialling

How to make a call via the panel

On the home screen, you can make a call via the digit keypad.
Press  to view the list of dialled number, then press  to redial it.


 The call will be cancelled if GSM network is not registered, the system is armed or in voice alarming.

Securing the premises

Arming the System

To arm the system, you can operate as below:


By Wireless Key: Press  key.

By Panel: Press  button when home screen is displayed.

By RFID tag: Put the RFID tag close to the RFID area when system is disarmed.

By APP: Press the “arm” button, host return to “arm” state, APP shows the host is in “arm” status.

By remote SMS: Send a message 1234#1 (“1234” is User Password) to the panel, then an acknowledgement SMS will be returned if armed.

The system will announce “System Armed” . Home Screen will displays the “Armed” icon and the countdown bar. You must leave the premises before the Exit Delay expires. If the “Arm SMS”  is enabled, you will receive a SMS notification.


 All burglary zones, interior & perimeter, are armed.

Arming in Stay Mode

This mode is used when you are staying home.


To arm the system in stay mode, you can operate as below:

By Wireless Key: Press  key.

By Panel: Press  button twice when home screen is displayed.

By APP: Press the “ stay arm” or “home arm” button, host return to “stay arm” , app will show the “stay arm” status.

By remote SMS: Send a message 1234#3 (“1234” is User Password) to the panel, then an acknowledgement SMS will be returned if armed.


The system will announce “System Armed” . Home Screen will displays the “Stay Armed” icon. If the “Arm SMS”  is enabled, you will receive a SMS notification.

 Perimeter burglary zones (Zone Type programmed as Stay Arm Active), such as windows and doors are armed.

Disarming the System

To disarm the system ,to silence alarm ,to clear trouble displays and to cancel the alarm that is in progress , you can operate as below:


By Wireless Key: Press  key.

By Panel: Press  button when home screen is displayed.

By RFID tag: Put the RFID tag close to the RFID area when system is armed.

By APP: Press the “disarm” button, host return to “disarm” state, APP shows the host in “disarm” status.

By remote SMS: Send a message 1234#2 (“1234” is User Password) to the panel, then an acknowledgement SMS will be returned if armed.

The system will announce “System Disarmed” . Home Screen will displays the “Disarmed” icon. If the “Arm SMS”  is enabled, you will receive a SMS notification.

SOS

To manually active panic function, you can operate as below:

By Wireless Key: Press SOS key.

By Panel: Press SOS key on the panel.

By APP: Press “panic” or “SOS”, system will alarm.

Home screen displays “Panic Alarm” .An Panic Alarm will be generated.

An Panic Alarm send an text notification to your mobile ,and sounds a loud,steady alarm at your panel.

Multi-Mode Alarm Feature

SYSTEM TROUBLES :

Loss of AC Power: If the building and/or neighbourhood has lost electrical power, the system will continue to operate on battery for several hours.

System Low Battery: "Low Battery" is displayed when the system's backup battery power is low.

Sensor Low Battery: Each wireless sensor in your system has an internal battery. The system detects low battery conditions in wireless sensors, and displays a "Sensor Low Battery" message on the home screen, means that battery replacement in the indicated sensor(s) is due within 7 days.

AC Power Normal.

Tamper: when a cover tamper has been detected to generate a Tamper Alarm.

SMS Notification Feature

When an alarm or system trouble occurs, a SMS notification will be sent to the Phone Number that have been programmed in your system.

Two-Way Voice Feature

Voice Dialog

When an alarm occurs, the system will dial to your Phone Number that have been programmed in your system. After the call is connected, you can hear the voice message that have been recorded and what the alarm occurs, then system will announce "Press 1 to arm, press 2 to disarm, press 3 to monitor, press 4 to talk" . Press 3 or 4 to listen the violated premises and voice dialog between an operator and an individual at the premises. If a false alarm is ensured, press 1 to cancel the alarm that is in progress.

The Phone Programmed Call the Panel

When the phone that have been programmed in the system call the panel, two-way voice is connected automatically. Allows operator to listen, talk to or conduct two-way conversations with individuals on the premises.

Specifications

- Primary Power:** Plug-in Power Supply, micro USB 110/220VAC to 5VDC, 1A output
- Backup battery:** 3.7V/1000Ah Lithium battery
- Consumption:** < 150mA@normal
- Siren Output:** < 300mA
- Radio Frequency:** 315/433/868/915Mhz (optional)
- RF code:** eV1527
- GSM:** 850/900/1800/1900MHz
- Wi-Fi:** IEEE802.11b/g/n
- Operation Temperature:** -10~55°C

PGST[®]

Date: 2019.12.3

产品型号	PG-105	部件名称	PG-105涂鸦英文标准说明书
设计	Belinda	材 料	封面128铜板纸（表面过哑膜） 内页70G双胶纸
品 号			
工 艺		成品尺寸	120*180MM

注：封面封底四色CMYK
内页单色