Smart Security System

User Guide

WIFI+GSM+GPRS
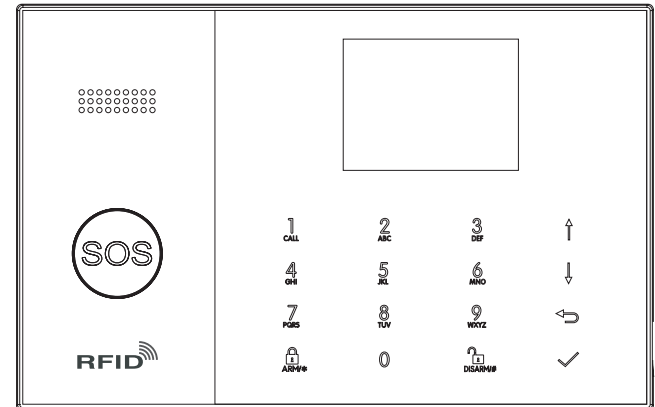
Table of content

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/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 monocide, 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/disam.

-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.
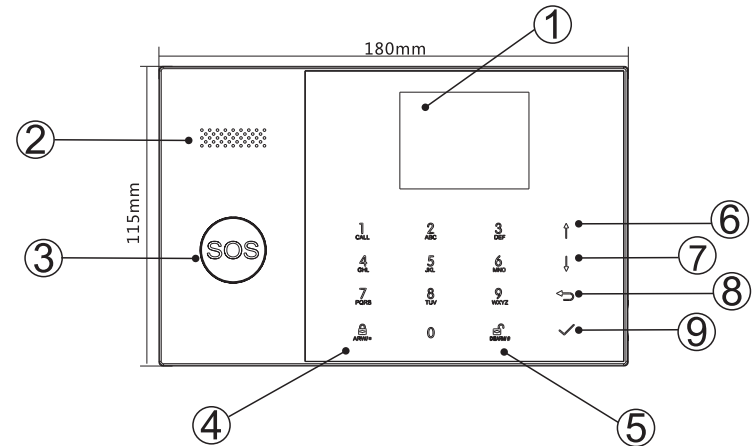
Exit Alarms:

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.
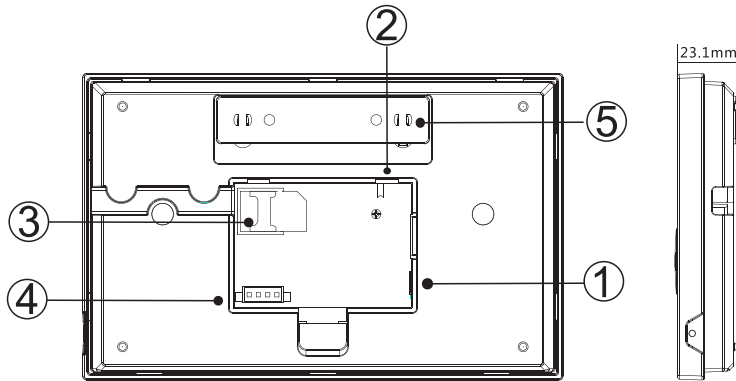
SYSTEM OVERVIEW

· **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
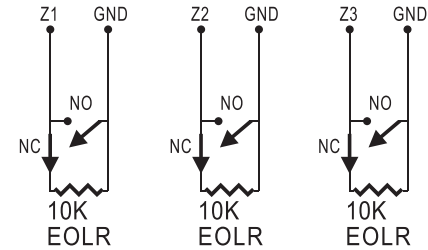

23.1mm

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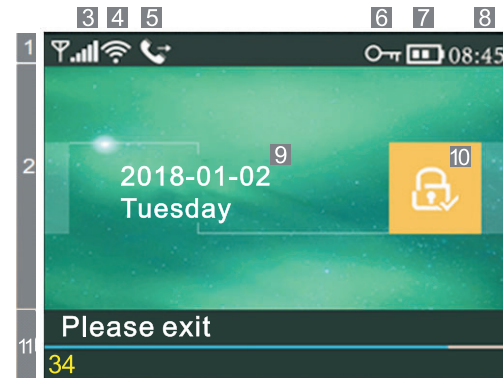Connect open circuit devices in parallel across the loop. The 10000-ohm EOLR must be connected across the loop at the last device.
Refer to the Hardwired Zones Connections diagram.

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 Top Status Bar	**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 Task Status	✉	SMS Sending
		📞	Calling
	6 Keyboard lock status	🔑	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 Status Area Arm/Disarm	**9**		Date, time and week
	10 Arm/Disarm Status	🔒	System is Armed Away
		🏠	System is Armed Stay.
		🔓	System is Disarmed.
11 System Status Display Area	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	Delay	⏱ 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
		Switch	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
			Human Voice	Enable/disable voice prompts	Enable
		Password	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		
			Ελληνικά		
			Română		
		Initialization		Loading Factory Defaults[8]	
		Reset		Reset	

6

7

			Description	Default
Main Menu	Phone	1st Phone	Used to set the first Phone Number, Enable /Disable Dialling and Enable/Disable SMS	Null
		2nd Phone	Used to set the second Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
		3rd Phone	Used to set the third Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
		4th Phone	Used to set the fouth Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
		5th Phone	Used to set the fifth Phone Number, Enable /Disable Dialling and Enable/Disable SMS	
		IP	central monitoring station IP address	
	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	
		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	
		Decoder	retrieve accessory's ID code	
	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	
		SoftAP Configure	WiFi connection via hotspot	
	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/4G 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 Sreen. 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 Sreen.
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!
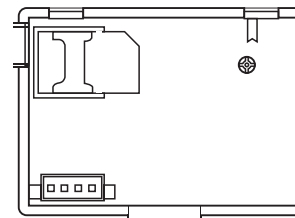
The First Usage
· Set up

⚠ 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 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 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.

Meassage 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.

WiFi Mobile phone APP

Please refer to attachment

Smart Life APP Quick Use Guide

APP Download

"Smart Life" APP has been released to the major global application stores, you can download it by searching "Smart Life" in the application store or by scanning the QR code below.

IOS App: Please search " Smart Life" in Apple store to download .
Note: IOS app has no QR code , have to download it in Apple store by searching " Smart Life"

Android App: Please search " Smart Life" in Google Play to download or scan the following QR code to download.
Notes:
1、Mainland China users can scan the Official Website Version and download it.
2、Non-Mainland China users just scan the Google Play Version .
3、Both the Official Website Version and the Google Play Version are the same app, just only the download channels are different.

Official Website Version   **Google Play Version**

Account Registration and Login

When using a mobile phone number to register and log in, you need to select the corresponding country/region when registering and logging in, and replace the "+xx" country code at the beginning of the mobile phone number account with the code corresponding to the country to which the mobile phone number belongs.

Device Network Configuration

The default network configuration mode is Airlink Configure, and it can also be switched to "SoftAP Configure" by "Other Mode".
When configuring the network for the device, the mobile phone needs to be connected to the WiFi network that the device needs to configure (only 2.4 GHz WIFI network is supported when configuring the network for the device).

Airlink Configure

• Use Smart Life APP to click the "+" in the upper right corner of the main interface -> Next select "Security & Sensor" -> Next select Alarm"Wi-Fi" and click OK to enter the Wi-Fi interface.
·Enter the correct WiFi password, click "Next", enter the device configuration preparation interface, and wait for the device to enter the Airlink Configure mode.
·According to the instructions, the device enters the WIFI Airlink Configure mode.
·Back to the "Smart Life APP", click "Continue" to configure the network, and wait patiently for the network configuration to be completed.

SoftAP Configure

• Use Smart Life APP to click the "+" in the upper right corner of the main interface -> Next select "Security & Sensor" -> Next select Alarm"Wi-Fi" -> Next select "Other mode" -> Next Select "SoftAP Configure"and click OK to enter the Wi-Fi interface.
·Enter the correct WiFi password, click "Next", enter the device configuration preparation interface, and wait for the device to enter the SoftAP mode.
·According to the instructions, the device enters the WIFI SoftAP mode.
·Back to the "Smart Life APP", click "Continue" to configure the network, and wait patiently for the network configuration to be completed.

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	1st Phone Number	refer to note 1	Null
52	2nd Phone Number	refer to note 1	Null
53	3rd Phone Number	refer to note 1	Null
54	4th Phone Number	refer to note 1	Null
55	5th 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 exmples uses the default system password 6666.

1、 The Phone Number setting format of remote text message: **xxxxxxxxxx,A,B**
In this sting, "xxxxxxxxxx" 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*.

2、 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*.

3、 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.

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 forseveral 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, 2A output
- **Backup battery:** 3.7V/1000Ah Lithium battery
- **Consumption:** <150mA@normal
- **Siren Output:** <300mA
- **Radio Frequency:** 433Mhz
- **RF code:** eV1527
- **GSM:** 850/900/1800/1900MHz
- **Wi-Fi:** IEEE802.11b/g/n
- **Operation Temperature:** -10~55℃

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.