tuya WiFi

RFID

DC 5V Adapter

Wire Siren

SIM Card

CENTRALE

PASSWORD UTENTE

OIRGINALE _____   PERSONALE _____

PASSWORD AMMINISTRATORE

OIRGINALE _____   PERSONALE _____

APPLICAZIONE

MAIL   _____

UTENTE   _____

PASSWORD   _____

SENSORE PORTA

NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

SENSORE PIR
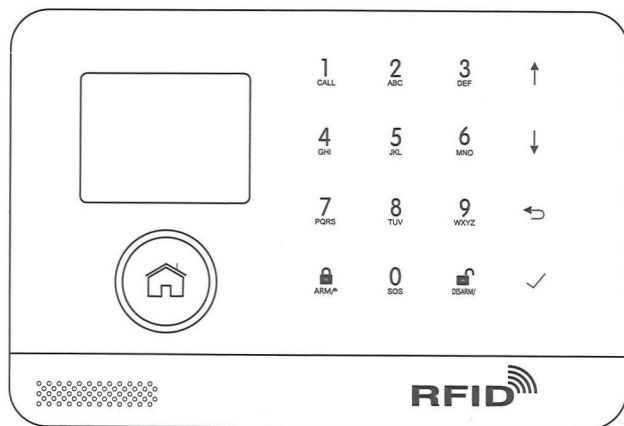
NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

NOME _____   NUMERO _____   POSIZIONE _____

GSM & WiFi Alarm System
User Manual
WIFI+GSM+GPRS

Content

Overall state

Explanation

For all the issues stated in this manual:

- 📶 The icon is only valid for the corresponding alarm host which is configured with WiFi module.
- ⛪ The icon is only valid for the user who has applied alarm service from local intranet alarm center.
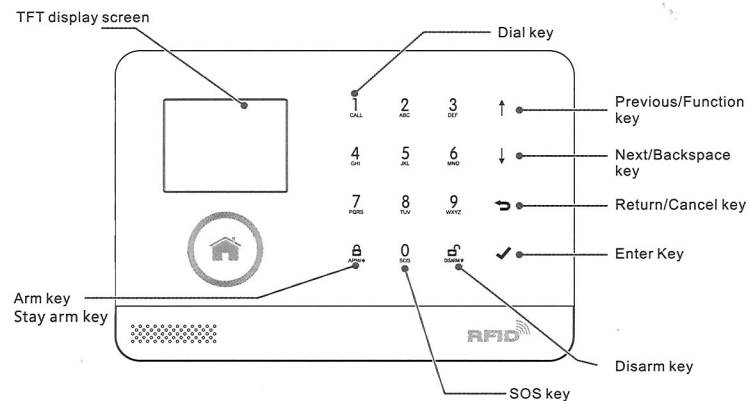
Features

- 2.4 inch TFT display screen, concise user interface and menu hint design.
- Main interface status bar, date/clock indication, fairly obvious alarm host status.
- Built-in powerful performance CPU master based on 32-bit Cortex-M3 core.
- Based on uCOS - III operating system with multitasking design, great user operation experience.
- WIFI/GSM/ GPRS intranet alarm system, support different alarm channels, like APP push/SMS/voice monitoring/intranet center etc. to ensure the alarm performance stable and reliable.
- Support SMS arm/disarm and voice arm/disarm
- Support up to 100 learing/storage location for remote control, RFID cards and wireless detector.
- Support many defense zones, such as gate, SOS, bedroom, window, balcony, perimeter, smoke, gas, carbon monoxide, water leaking, etc.
- Support the main power malfunction, backup power shortage, tamper alarm and other extended alarm.
- Support entry/exit zone, indoor zone, perimeter zone, 24-hour zone..etc.
- Up to 5 groups preset alarm phone numbers, SMS on/off and dial on/off can be set respectively.
- Support external wireless siren.
- Support timing arm and disarm
- Can store and inquire daily operation records and alarm records.
- GSM network clock synchronization, to ensure accurate clock, and support country time zone setting.
- Support multi-language menu display, voice prompts and alarm SMS setting.
- Can record 20 seconds voice message and alarm voice.
- Telephone function, support 5 groups re-dial number.
- User-friendly APP operation experience and user interface.
- Push Arm/disarm message to APP
- Support APP remote arm/disarm
- Online GPRS to obtain equipment status, automatic alarm when offline.
- Reserved remote GPRS TCP / UDP protocol channel, compatible with multiple alarm center networking protocol to facilitate network alarm.
- Center remote control.
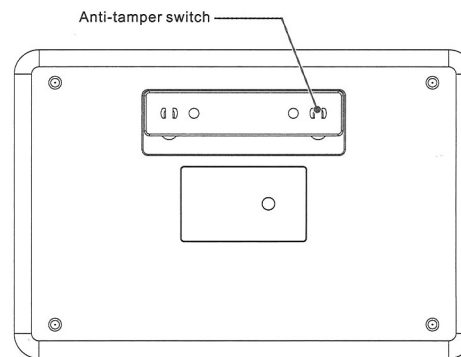
Identification for daily operation

- **Arm**

  set security task (i.e. Anti-burglar), make the host into alert state, also known as Arming, Alert or Booting. Designate security guard mission(i.e. Anti burglar), set the alarm host into on-guard status, also called Arming, Alert or Power on.

- **Stay Arm**

  In case the user is at home, only set alert to entrance/exit or perimeter, also called home alert.

- **Disarm**

  Withdraw security task(i.e. Anti-burglar), also called Withdraw alert or Power off.

- **Trigger**

  Under 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.

- **Entrance delay**

  When user comes back and pass the Arm zones, the host will not immediately make alarms. It will allow user to Disarm the host with some time; the host will make alarms if time out beyond the Disarm.

- **Alarm**

  When the host create alarm action, acousto -optical alarm signal arises. The host will send SMS message to the preset mobile phone, dial the preset user telephone number, create push to mobile phone APP, or send alarm information to intranet security center.

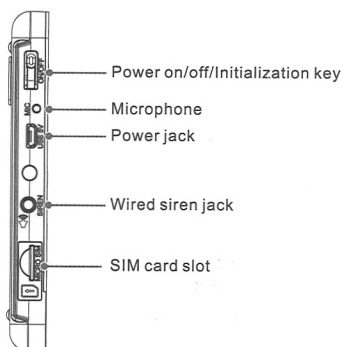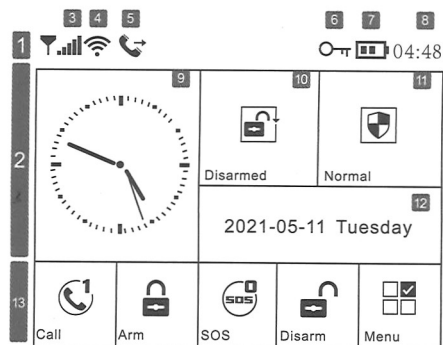# Alarm host appearance and accessories

· **Top view**

TFT display screen

Dial key

Previous/Function key

Next/Backspace key

Return/Cancel key

Enter Key

Arm key
Stay arm key

RFID

Disarm key

SOS key

· **Bottom view**

Anti-tamper switch

· Side view

- Power on/off/Initialization key
- Microphone
- Power jack
- Wired siren jack
- SIM card slot

· Key of side face

Function	Description
Power on	Press this key, "Welcome" appears in the screen, it means power on.
Power off	Press and hold this key for 3 seconds to power off.
Initialization	Press this key for 5 times to initialize parameters

· Main interface

· Description for main interface

Status bar 1	3	GSM signal	⚠📶	No SIM card	
			📶	GPRS networking indication	🖧
			📶	GSM signal indication	
				Gray color means no signal, 1-5 level stands for GSM signal strength	
	4	WiFi wireless network	📶	1-5 level stands for WiFi signal strength, Gray color means no signal	WiFi
			📶	Device already connected to cloud. The white dot on right corner means the binding mobile phone is online.	
	5	GSM task status	✉	Sending SMS	
			📞	Dialing	
	6	Keyboard status	🔒	Keyboard is locked. There is 5- seconds countdown hint.	
	7	Power status	🔋	Powered by main power	
			🔋	Powered by back up battery, 0-3 level stands for remaining battery capacity.	
	8	Time	08:45	Current time	
Main status zone 2	9	Delay status of clock panel	🕐	Clock panel shows current time	
			23 Please exit	Exit delay status. After armed, the user should leave the site before countdown time ends. When countdown time ends, it enters into arm mode.	
			18 Please disarm	Entry delay status. The user should disarm after entrance into the site before countdown time ends. If the user don't disarm, it will trigger alarm when countdown time ends.	
	10	Arm/Disarm status	🔒	Arm	
			🏠	Stay arm	
			🔓	Disarm	
	11	On alarm	🛡	No alarm	
			Zone 00	Alarm status	
	12	Date		Current date	
Keyboard quick hint 13	📞	Keypad	CALL	Call	
	🔒		ARM*	Arm/Stay arm key	
	SMS		0 SOS	SOS key	
	🔓		DISARM#	Disarm key	
	📋		✓	Menu key	

Menu structure

Icon and Caption				Description	Factory Defaults
Main Menu	Settings	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
			🗣 Hum an Voice	Enable/disable voice prompts	Enable
		Language	简体中文	Language Selection(7)	English
			English		
			Deutsch		
			РУССКИЙ		
			Español		
			Polski		
			Italiano		
			Français		
			Português		

				Description	Factory Defaults
Main Menu	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.	
			EoI 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	
			Zone&Sync	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

*Note: 1. When the main keyboard is unlocked, if the user does not do any action or directly press ⊟ Key, then the keyboard is locked. After the keyboard is locked, the user needs to input password before using the keyboard.
2. When keyboard backlight is off, if the user does not do any action under main interface, or directly press ⊟ key, then the backlight is off to save power.
3. When certain language is selected, then the operation voice reminder, display and alarm SMS all are converted to this language. The alarm host will restart when language selection is confirmed.

Initial usage

Start

↓ Insert SIM card : According to below diagram, insert MICRO SIM card. When a ticking voice is heard, it means the SIM card is inserted properly.
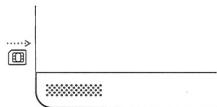
↓ Power on : Plug power adaptor into USB 5V jack to turn on power.

↓ Turn on the alarm host : Press Power On/Off key, a "welcome" window appears, then the alarm host is turned on.

↓ Turn off the alarm host : Press and hold Power On/Off key for 3 seconds until the screen is off, then the alarm host is turned off.

System initialization

Continuously press Power On/Off key for 5 times, the alarm host will restart, then system initialization is finished. After system initialization, all the data including remote control, wireless detector, RFID card, language and time zone and other setting are reset to factory default all. IP address is cleared and the alarm host is offline GPRS. The IP address needs to be set again to assure the alarm host to go online and connect with intranet center.

> Please be cautious to use this function. Normally it is only used when user forgets password, or alarm host malfunction, or the parameter is wrongly set, or unknown detector, remote control or RFID card are learnt.

Menu operation

Description for operation keys
Press Previous ↑ and Next key ↓ to select menu。
Press Return key ⊟ to last menu。
Press Enter key ☑ to next menu。

> 1. When ↓ is used as backspace key, long press ↓ to delete all input information.
> 2. For the other function which is not mentioned in this paragraph, please refer to the description in the "Menu Structure".

· 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.

After the wireless siren is synchronized with the alarm host, if the alarm host triggers alarm, alarm sound will arises from the siren at the same time.

Record
Record alarm voice

The user can record 20-seconds voice. If alarm occurs, the alarm host will dial preset phone number and play this record alarm voice.

- ↓ Operation keyboard: Main Menu → Record → Record and Play
- ↓ At first the alarm host will display "Busy and waiting please", when it changes to "Recording", it means start to record voice.
- ↓ After recording is finished, the alarm host displays "Playing"and starts automatic playback.
- ↓ After playback is finished, press ☑ to save. The alarm host displays "Please wait saving". After a few seconds, "Setting OK"appears, then recorded voice is saved.

Timer

The users can set automatic arm/disarm time according to their own routine time, avoiding repeated operation or missed arm/disarm.

Arm Timer

- ↓ Operation keyboard: Main Menu → Timer → Arm Timer

Arm Timer		↑ Function
⏰ Timer	00:00	↓ Backspace
▣ Switch	off	⟲ Cancel
		✓ Enter

- ↓ Press □ to select ⏰ Timer, then press the backspace key □ to delete the original time.
- ↓ Input the 4-digit scheduled arm time (Hour: Minute).
- ↓ Press □ to select ▣ Switch, and press □ to select "On/Off".
- ↓ Press ☑ to confirm, the alarm host displays "Setting OK" to complete the setting.

Disarm Timer

- ↓ Operation keyboard: Main Menu → Timer → Disarm Timer

Disarm Timer		↑ Function
⏰ Timer	00:00	↓ Backspace
▣ Switch	off	⟲ Cancel
		✓ Enter

- ↓ Press □ to select ⏰ Timer, then press the backspace key □ to delete the original time.
- ↓ Input the 4-digit scheduled disarm time (Hour: Minute).
- ↓ Press □ to select ▣ Switch, and press □ to select "On/Off".
- ↓ Press ☑ to confirm, the alarm host displays "Setting OK" to complete the setting.

🛜 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

Parameter setup

The user is required to edit SMS message according to below format, and send the SMS message to SIM card in the alarm host.

*	Engineer Password	Address	Content	*	Address	Content	*

One SMS message can includes one or more address or content, but it must be separated by * and the first and last data must be *. The address should be founded of 2 digits. One SMS content can include maximum 160 bits. It is suggested to put all contents in one SMS.

Address	Function	Contents and Limit	Factory Default
35	Times of redial	1~255 times	Once
36	Times of auto answering ring	1~255 times	Once(reserved)
38	Revise user password	0000~9999 4 digits	1234
39	Revise system password	0000~9999 4 digits	6666
43	Initialization	Empty, refer to Note 1	
51	Set alarm phone 1	Refer to Note 2	Off
52	Set alarm phone 2	Refer to Note 2	Off
53	Set alarm phone 3	Refer to Note 2	Off
54	Set alarm phone 4	Refer to Note 2	Off
55	Set alarm phone 5	Refer to Note 2	Off
62	Inquire GSM signal strength	Empty	
90	Set GPRS server IP address	This operation is only valid for online GPRS. Refer to Not 3	Empty
92	Set GPRS APN	This operation is only valid for online GPRS. Refer to Not 4	CMNET
93	Set NTP IP	Refer to Note 5	us.ntp.org.cn
94	Set Greenwich time zone	Refer to Note 5	+ 8

Note: Below examples are based on default system password 6666

1. Initialization: All learnt remote control, wireless detector and RFID card are remained, the other parameter is reset to factory default.
   Set SMS contents: `*6666*43*`

2. Format of alarm phone number: xxxxxxxxxxxx,A,B
   XXXXXX is phone number(Max. 18 digits), A is calling alarm switch(1-on, 0-off). B is SMS alarm switch(1-on, 0-off) .

Example: Set 2 alarm phone numbers as 13912345678 and 075581234567. 13912345678 is used to receive calling and SMS alarm, 075581234567 is used to receive calling alarm, then please set SMS contents according to below format:
`*6666*5113912345678,1,1*52075581234567,1,0*`

3、 Format of IP address: : aaa,bbb,ccc,ddd,xxxxx
   aaa,bbb,ccc,ddd is IP address, xxxxx is the port, separated with comma.
   Example: Set GPRS server IP address as 116.62.42.223, port is 2001, then please set SMS contents according to below format:
   `*6666*90116,62,42,223,2001*`

4、 Set GPRS APN
   Example: The local GPRS APN is internet.beeline.kz, then please set SMS contents according to below format:
   `*6666*92internet.beeline.kz*`

5、 Set Greenwich time zone : Set auto synchronization between alarm host clock and internet time. Time difference zone range: -12.0~13.0

Alarm host name setup

The user can set a name for the alarm host which is used as the prefix of SMS phone number. This helps to recognize the alarm host or specific alarm location.
Example: SMS `1234@XX Building a Block`, 1234 is password, @ is command, XX Building a Block is the name(Max.40 bits)

Parameter inquiry

All feedback SMS contents are written in English, please inquire according to below description.

Inquire system setting

SMS format : `*6666*62*` , Alarm host feedback SMS :

SYSTEM set:	
SN:	Alarm host serial number
LANGUAGE:	Alarm host language
ENGINEER PASSWORD:	Engineer password
USER PASSWORD:	User password
GSM CSQ:	GSM signal strength
	(0 or 99 means abnormal strength)
WIFI RSSI:	WiFi signal strength

Inquire system setting2

SMS format : `*6666*90*` , Alarm host feedback SMS :

SYSTEM set2:	
APN:	GPRS name
GPRS IP:	GPRS server IP address and port
NTP:	Internet time server domain
TIME ZONE:	GMT standard time zone
SERVER:	Current WiFi server

Alarm phone setup inquiry

SMS format : ***6666*51***, Alarm host feedback SMS :

```
PHONE set:
1:    1st alarm phone number, voice alarm switch, SMS alarm switch, general switch
2:    2nd alarm phone number, voice alarm switch, SMS alarm switch, general switch
3:    3rd alarm phone number, voice alarm switch, SMS alarm switch, general switch
4:    4th alarm phone number, voice alarm switch, SMS alarm switch, general switch
5:    5th alarm phone number, voice alarm switch, SMS alarm switch, general switch
REDIAL COUNTER:Redial times of voice alarm
```

Delay setup inquiry

SMS format : ***6666*33***, Alarm host feedback SMS :

```
DELAY set:
ENTRY:                Entry delay(unit: second)
EXIT:                 Exit delay(unit: second)
SIREN:                Siren duration(unit: minute)
```

Switch setup inquiry

SMS format : ***6666*46***, Alarm host feedback SMS :

```
SWITCH set:
ARM/DISARM BEEP:      Arm/Disarm switching beep(1:on, 0:off)
ALARM BEEP:           Siren alarm beep(1:on, 0:off)
ARM/DISARM SMS:       Arm/Disarm SMS switch(1:on, 0:off)
```
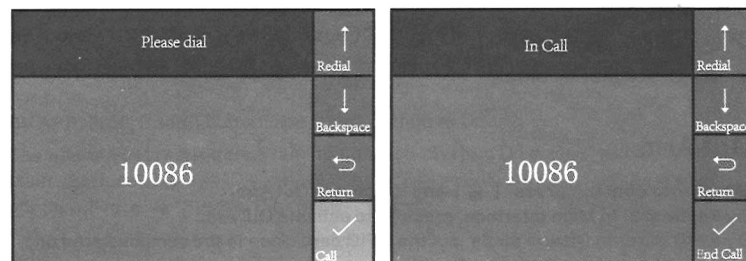
Remote control/detector/RFID card inquiry

SMS format : ***6666*26***, Alarm host feedback SMS :

```
DETECTOR learned:
REMOTE:               Number of remote control
DETECTOR:             Number of detector
RFID:                 Number of RFID card
```

Phone function

In Main Interface, press ☐ key to make calling.
Please operate according to the hint in this interface.

In case of following condition, No GSM network, in Arm mode, on alarm, making a call is forbidden.

Daily operation

The user can control the alarm host by any of following ways :

✓ Remote control, Keyboard, RFID card.
✓ Remote SMS.
✓ 📶 Mobile phone APP.
✓ 🏠 GPRS alarm center.

Out Arm

By remote control: press 【 🔒 】 key to activate Out Arm.
By keyboard: In Main Interface, press 🔒 to activate Out Arm.
By RFID card: 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) at first, then the alarm host will feedback "System Armed!" SMS to mobile phone to confirm.
By APP: Press Arm button, the alarm host will report "System Disarmed". App status changes to 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 "Sytem Armed!" SMS.

> ⚠ Under Out Arm mode, all defense zones are on alert status. If any defense zone is triggered, the alarm host will generate a local siren 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.

Stay Arm

By remote control: Press 🏠 key to activate Stay Arm.
By keyboard: In Main Interface, press 🔒 key for twice to activate Stay Arm.
By APP: Press Stay Arm button, App status changes to Stay Arm
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 "System Stay Armed!" SMS.

> ⚠ Under Stay Arm mode, only valid Stay Arm defense zones are on alert status. If any defense zone is triggered, the alarm host will generate a local siren 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.

Disarm

By remote control: Press 🔓 key to activate Disarm
By keyboard: In Main Interface, press 🔓 to activate Disarm
By RFID card: In Arm/Stay arm 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#2 (1234 is user password) at first, then the alarm host will feedback "System Disarmed！" SMS to mobile phone to confirm.
By APP: Press Disarm button, app status change to Disarm

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 "System Disarmed!" SMS.

> ⚠ Under Disarm mode, all the alarm procedure will be terminated.

SOS

By remote control: Press **sos** key to activate SOS.
By keyboard: In Main Interface, press 0 to activate Disarm
By APP: Press "SOS" key to activate panic alarm.
The alarm host reminde: The Main Interface displays "Help". The alarm host will generate a local siren 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.

SMS notification feedback

> <The alarm host name>:
> Remote operation result

Alarm and remote monitoring

The alarm host supports diverse alarm types. When alarm is triggered, it will send alarm SMS to the user's mobile phone and push alarm message to APP, simultaneously send alarm message to GPRS alarm center and make calling to the user, then the user can do on-time monitoring and remote operation.

The alarm host also support following alarm types,
✓ The main power malfunction(when main power malfunction lasts for 5 seconds, the alarm is activated)
✓ Back up battery shortage(In case of main power malfunction, when back up battery's voltage is lower than 3.45V and lasts for 10 seconds, the alarm is activated)
✓ Main power recovers.
✓ Anti-tamper alarm(When the mounting bracket is separated with the alarm host, the alarm is activated).

Remote SMS

Parameter setup

The user is required to edit SMS message according to below format, and send the SMS message to SIM card in the alarm host.

*	Engineer Password	Address	Content	*	Address	Content	*

One SMS message can includes one or more address or content, but it must be separated by * and the first and last data must be *. The address should be founded of 2 digits. One SMS content can include maximum 160 bits. It is suggested to put all contents in one SMS.

Address	Function	Contents and Limit	Factory Default
35	Times of redial	1~255 times	Once
36	Times of auto answering ring	1~255 times	Once(reserved)
38	Revise user password	0000~9999 4 digits	1234
39	Revise system password	0000~9999 4 digits	6666
43	Initialization	Empty, refer to Note 1	
51	Set alarm phone 1	Refer to Note 2	Off
52	Set alarm phone 2	Refer to Note 2	Off
53	Set alarm phone 3	Refer to Note 2	Off
54	Set alarm phone 4	Refer to Note 2	Off
55	Set alarm phone 5	Refer to Note 2	Off
62	Inquire GSM signal strength	Empty	
90	Set GPRS server IP address	This operation is only valid for online GPRS. Refer to Not 3	Empty
92	Set GPRS APN	This operation is only valid for online GPRS. Refer to Not 4	CMNET
93	Set NTP IP	Refer to Note 5	us.ntp.org.cn
94	Set Greenwich time zone	Refer to Note 5	+8

Note: Below examples are based on default system password 6666

1. Initialization: All learnt remote control, wireless detector and RFID card are remained, the other parameter is reset to factory default.
   Set SMS contents: *6666*43*

2. Format of alarm phone number: xxxxxxxxxxxx,A,B
   XXXXXX is phone number(Max. 18 digits), A is calling alarm switch(1-on, 0-off). B is SMS alarm switch(1-on, 0-off).

Example: Set 2 alarm phone numbers as 13912345678 and 075581234567. 13912345678 is used to receive calling and SMS alarm, 075581234567 is used to receive calling alarm, then please set SMS contents according to below format:
*6666*5113912345678,1,1*52075581234567,1,0*

3、Format of IP address: : aaa,bbb,ccc,ddd,xxxxx
   aaa,bbb,ccc,ddd is IP address, xxxxx is the port, separated with comma.
   Example: Set GPRS server IP address as 116.62.42.223, port is 2001, then please set SMS contents according to below format:
   *6666*90116,62,42,223,2001*

4、Set GPRS APN
   Example: The local GPRS APN is internet.beeline.kz, then please set SMS contents according to below format:
   *6666*92internet.beeline.kz*

5、Set Greenwich time zone : Set auto synchronization between alarm host clock and internet time. Time difference zone range: -12.0~13.0

Alarm host name setup

The user can set a name for the alarm host which is used as the prefix of SMS phone number. This helps to recognize the alarm host or specific alarm location.
Example: SMS 1234@XX Building a Block, 1234 is password, @ is command, XX Building a Block is the name(Max.40 bits)

Parameter inquiry

All feedback SMS contents are written in English, please inquire according to below description.

Inquire system setting

SMS format : *6666*62*, Alarm host feedback SMS :

SYSTEM set:	
SN:	Alarm host serial number
LANGUAGE:	Alarm host language
ENGINEER PASSWORD:	Engineer password
USER PASSWORD:	User password
GSM CSQ:	GSM signal strength
	(0 or 99 means abnormal strength)
WIFI RSSI:	WiFi signal strength

Inquire system setting2

SMS format : *6666*90*, Alarm host feedback SMS :

SYSTEM set2:	
APN:	GPRS name
GPRS IP:	GPRS server IP address and port
NTP:	Internet time server domain
TIME ZONE:	GMT standard time zone
SERVER:	Current WiFi server

SMS alarm

When any alarm is triggered, the alarm host will send SMS to preset phone numbers as following contents:

```
<The alarm hostt name>:
Current alarm
```

Voice alarm and remote monitoring

Automatic dialing preset phone number when the alarm host alarms

When any alarm is triggered, the alarm host will automatically dial preset phone numbers(make sure the dial switch is on). After the user ringed, the alarm host will play current alarm type at first. If there is a preset voice, this voice will be played. Then the user will hear reminding voice "Press 1 to arm, press 2 to disarm, press 3 to monitor, press 4 to talk". If it is mistake alarm, the user can press "2" to activate Disarm. The user also can press "3" or "4" to turn off the alarm sound for better monitoring. If monitoring is unnecessary, just quit calling.
If the user does not answer the call or failed calling, the alarm host will constantly dial the preset phone number according to the preset redial times until the user answers the call.

Preset phone number to call alarm host

If the preset phone number voluntarily calls the alarm host, the alarm host will automatically answer the call, then the user can do on-time monitoring and remote operation.

Receiving alarm by Intranet monitoring center

When any alarm is triggered, the alarm host will send alarm message to GPRS alarm center. The alarm center can handle the alarm quickly after receiving and confirming the alarm message.

> The function is only valid when the IP address is correctly set. Proper APN setting is required for foreign countries. Please refer to "SMS parameter setup" for details.

Specification

- Input voltage: DC5V(micro USB jack)
- Working current: <120mA
- Standby current : <80uA
- Siren output:<500mA
- Wireless frequency: 315MHz/433MHz/868MHz
- Wireless coding: EV 1527
- GSM bands: 850/900/1800/1900MHz
- WiFi standard: IEEE802.11b/g/n wireless standard
- Back up battery:3.7V/1000mAh lithium battery
- Working temperature: -10~55℃
- Relative humidity: < 80%RH (No freezing)
- Product dimension:185x125x14.7MM （LxHxT）

Packing List

- Alarm host x1
- Micro USB 5V/1000mA Power adapter x1
- Wireless PIR detector x1
- Door sensor x1
- Remote control x2
- RFID card x2
- Wired siren x1