GSM & WiFi Alarm System
User Manual

GSM+WIFI+4G

Content

Overall state

Explanation

For all the issues stated in this manual:

- WiFi 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/3G/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.
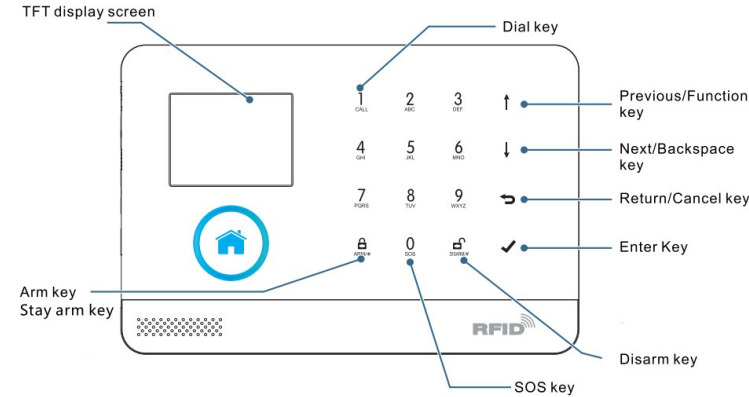- Support many defense zones, such as gate, SOS, bedroom, window, balcony, perimeter, smoke, gas, carbon monoxide, water leaking, etc.
- Support the main power malfunction, backup power shortage, tamper alarm and other extended alarm.
- Support entry/exit zone, indoor zone, perimeter zone, 24-hour zone..etc.
- 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.
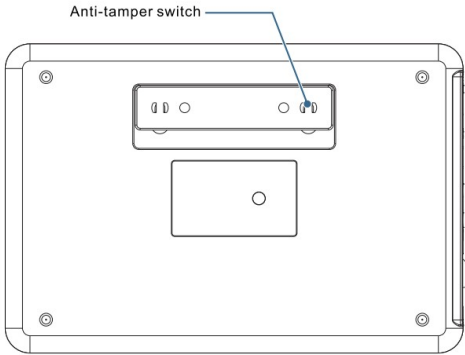
Identification for daily operation

- **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.

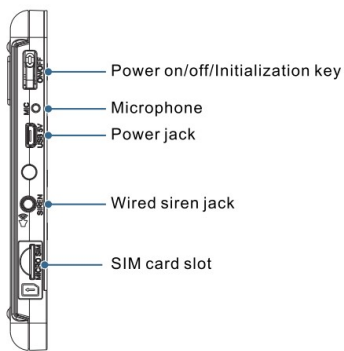# Alarm host appearance and accessories

· Top view

TFT display screen

Dial key

Previous/Function key

Next/Backspace key

Return/Cancel key

Enter Key

Arm key
Stay arm key

Disarm key

SOS key

RFID

· 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
					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
					Alarm status
		12	Date		Current date
Keyboard quick hint	13		Keypad	1 CALL	Call
				ARM*	Arm/Stay arm key
				0 SOS	SOS key
				DISARM#	Disarm key
					Menu key

· Menu structure

MENU

Setting

Delay

Item	Description
Exit Delay	Set Exit delay, refer to "**Identification for daily operation**"
	Unit: second, Range: 0~65535, Default: 40 seconds
Entry Delay	Set Entry delay, refer to "**Identification for daily operation**"
	Unit: second, Range: 0~65535, Default: 30 seconds
Siren Duration	Set siren duration
	Unit: minute, Range: 0~65535, Default: 3 minutes

Switch

Item	Description
Arm Beep	Set arm beep
	Select: On/Off, Default: Off
Siren	Set Siren
	Select: On/Off, Default: On
Arm SMS	Set Arm/Disarm SMS
	Select: On/Off, Default: Off
Keypad Lock	Set keypad to be locked or not[1]
	Select: On/Off, Default: Off
Backlight	Set keypad backlight to be on or off[2]
	Select: On/Off, Default: Off

Password

Item	Description
System	Set system password
	Range: 0000-9999, 4 digits, default: 6666
User	Set user password
	Range: 0000-9999, 4 digits, default: 1234

Language[3]

Item	Description
简体中文	Simplified Chinese(Default)
English	English
Deutsch	Deutsch

Initialization — Set system Initialization, refer to "Initialization"

Reset — Restart alarm host

Phone

Item	Description	
1st Phone	Set 1st phone number, Dial on/off, SMS on/off	
2nd Phone	Set 2nd phone number, Dial on/off, SMS on/off	Refer to "Phone number setup"
3rd Phone	Set 3rd phone number, Dial on/off, SMS on/off	
4th Phone	Set 4th phone number, Dial on/off, SMS on/off	
5th Phone	Set 5th phone number, Dial on/off, SMS on/off	

Main menu

Log

Item	Description
Alarm Log	Inquire alarm log history
Arm Log	Inquire arm/disarm log history

Parts

Item	Description	
Add Remoter	Learning new remote control	Refer to "Add/Delete remote control"
Del Remoter	Delete all remote control	
Add Detector	Learning new wireless detector	Refer to "Add/Delete wireless detector"
Del Detector	Delete all wireless detectors	
Add RFID	Learning new RFID card	Refer to "Add/Delete RFID card"
Del RFID	Delete all RFID cards	
Siren Learn	Send 1-second wireless learning signal to external wireless siren.	Refer to "Synchronization with external wireless siren"

WiFi

Item	Description	
Airlink	Set alarm host into wireless network configuration(via APP)	Refer to "unbind mobile phone APP with alarm host"
Unbind	Unbind alarm host with mobile phone APP	

Record

Item	Description	
Record	Record and playback	Refer to "Voice record"
Play	Play current recorded voice	
Delete	Delete current recorded voice	

Timer

Item	Description	
Arm Timer	Set daily arm time and switch on/off	Refer to "Clock/Timing"
Disarm Timer	Set daily disarm time and switch on/off	
Zone & Sync	Set the country or region's standard Greenwich time difference, which is synchronous to internet time. Default time zone: +08:00.	

Version — Inquire firmware version, serial number, server.

*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".

Phone number setup

The host can set up to maximum 5 groups of alarm numbers, each set of numbers can be set independently of their dial-up switch and SMS switch.
Take example as phone number 1:

- Operation Keyboard: Main Menu → Phone → 1st Phone, enter into phone number setup menu.

| 1 st Phone	
	Press ↑ to select ⊞ Number, input the alarm number (up to 18 digits), and press ↓ to backspace in case of error
	Press ↑ to select ✆ Dial, press ↓ to select On or Off.If "On" is selected, the panel will dial the alarm number when an alarm occurs.
	Press ↑ to select ✉ SMS, press↓ to select On or Off.If "On" is selected, the alarm host will send SMS to this phone when an alarm occurs.

- Press ☑ to confirm, the alarm host will display "Setting OK".

Add/Delete remote control

Add

- Operation Keyboard: Main Menu → Parts→ Add Remoter→ Enter.
- The alarm host displays "Synchronize" and enters into the 20- seconds countdown dialog window waiting for the remote control synchronization.
- Press any key of the remote control to send signal to the alarm host.
- The alarm host displays "Learning OK" , then the remote control is successfully added.
- If the alarm host displays "Device code has been learnt", it means this remote control is already added to this alarm host, please use other remote control to try again.

Delete

- Operation Keyboard: Main Menu → Parts → Del Remoter → Enter.
- The alarm host displays "Delete Remoter all", meanwhile all stored remote control's number is displayed in the dialog window.
- Press ☑ to confirm, the alarm host displays "Operation OK", all remote control is deleted.

Add/Delete wireless detector(included doorbell alarm)

Add

- Operation keyboard: Main Menu → Parts → Add Detector → Enter
- It enters into "Set Name and Mode" dialog window
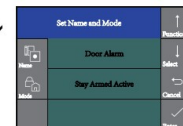
Set Name and Mode	
Door Alarm	Press ↑ to select ⊞ Name, and press ↓ to select the corresponding name of the zone where the wireless detector is to be added.
Stay Armed Active	Press ↑ to select, and then press ↓ to select the mode of zone where the wireless detector is located.
	Select **"Stay armed Active"**, When the alarm host is armed or Stay armed, the detector will always alarm if triggered,. Suggest to set this mode of detector in the main door, window, balcony, perimeter area.
	Select "Out Armed Active", when the alarm host is Out armed, the detector will not alarm if triggered. Suggest to set this type of detector in hall, bedroom area.
	Select **"24 hours Active"**, the host will alarm at any time once triggered. Suggest emergency, smoke, gas, carbon monoxide, water leaks and other detectors to be set to this mode.
	Selecting **"Close"** , the alarm host will not alarm at any time if triggered.
	For doorbell, please select **"Doorbell"**, then a tinkling sound arises from the alarm host whenever the doorbell is pressed.

- Press ☑ confirm The alarm host displays "Synchronize" and enters into the 20- seconds countdown dialog window waiting for the wireless detector synchronization.
- Trigger the wireless detector to launch wireless signal to the alarm host.
- The alarm host displays "Learning OK", then the wireless detector is successfully added.
  If the alarm host displays "Device code has been learnt", it means this wireless detector is already added to this alarm host , please use other wireless detector to try again.

Delete

- Operation keyboard: Main Menu → Parts→ Delete Detector → Enter
- The alarm host displays "Delete detector all", meanwhile all stored detector's number is displayed in the dialog window.
- Press ☑ to confirm, the alarm host displays "Operation OK", all wireless detector and doorbell are deleted.

Add/Delete RFID card

Add

- Operation keyboard: Main Menu → Parts→ Add RFID → Enter
- The alarm host displays "Synchronize" and enters into the 20- seconds countdown dialog window waiting for the RFID card synchronization. Put the RFID card close to the sensitive area on the down-right corner of the alarm host.
- The alarm host displays "Learning OK", then the RFID card is successfully added.
  If the alarm host displays "Device code has been learnt", it means this RFID card is already added to this alarm host.

Delete

- Operation keyboard: Main Menu → Parts→ Del RFID → Enter
- The alarm host displays "Delete RFID all", meanwhile all stored RFID card's number is displayed in the dialog window.
- Press ☑ to confirm, the alarm host displays "Setting OK", all RFID cards are deleted.

Synchronization with external wireless siren

This operation instruction is subject to our company model PE-519 wireless siren.

- Operation keyboard: Main Menu → Parts→ Siren Learn → Enter
- Press and hold the Set button on the siren until 2 sound is heard. The siren's indicator will flash quickly, then it enters into synchronization status.
- Press ☑ to confirm, the alarm host displays "Learn Signal Sent" and send wireless signal to the siren.
- A long and a short sound arise from the siren, which means successful synchronization.

⚠ 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

- 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

- 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

Ghid de utilizare rapidă a aplicației Smart Life

Descărcați APP

Aplicația „Smart Life" a fost lansată în marile magazine de aplicații globale, o puteți descărca căutând „Smart Life" în magazinul de aplicații sau scanând codul QR de mai jos.

Aplicația IOS: căutați „Smart Life" în magazinul Apple pentru a descărca
Notă: aplicația 1OS nu are cod QR, trebuie să o descărcați în magazinul Apple căutând Smart Life

Aplicație Android : căutați „Smart Life" în Google Play pentru a descărca sau scana următorul cod QR pentru a-l descărca.
Note:

1, utilizatorii din China continentală pot scana versiunea site-ului oficial și o pot descărca.

2, utilizatorii din afara Chinei continentale doar scanează versiunea Google Play

3, Atât versiunea site-ului oficial, cât și versiunea Google Play sunt aceeași aplicație, doar canalele de descărcare sunt diferite.

Versiunea site-ului oficial   Versiunea Google Play

Înregistrarea contului și autentificarea

Când utilizați un număr de telefon mobil pentru a vă înregistra și a vă autentifica, trebuie să selectați țara/regiunea corespunzătoare atunci când vă înregistrați și să vă conectați și să înlocuiți codul de țară „+xx" de la începutul contului pentru numărul de telefon mobil cu codul corespunzător țara căreia îi aparține numărul de telefon mobil.

Configurarea rețelei dispozitivului

Modul implicit de configurare a rețelei este Airlink Configure și poate fi, de asemenea, comutat la „SoftAP Configure" prin „Other Mode".
La configurarea rețelei pentru dispozitiv, telefonul mobil trebuie să fie conectat la rețeaua Wifi pe care dispozitivul trebuie să o configureze (doar rețeaua WIFl de 2,4 GHz este acceptată la configurarea rețelei pentru dispozitiv)

Configurare cu un singur clic

1. Faceți clic pe „Adăugați dispozitiv" (Figura 1);
2. Faceți clic pe „Sensor" și selectați „Alarm (Wi Fi)" (Figura 2);
3. Introduceți parola Wi-Fi și faceți clic pe „Next" (Figura 3);
4. În „Setări Wi-Fi" ale gazdei, selectați „Configurație cu un singur clic", confirmați pentru a reseta Wi-Fi și faceți clic pe „Confirmați intermiterea indicatorului" în APP (Figura 4);

Figura 1   Figura 2   Figura 3   Figura 4
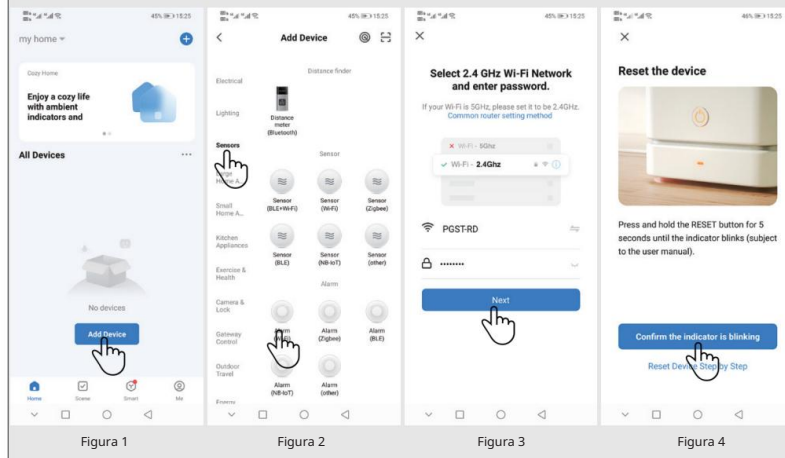
5. Faceți clic pe „Flash" în APP (Figura 1); APP intră în interfața dispozitivelor de conectare și afișează „Dispozitive de conectare" (Figura 2);

6. Gazda afișează „Configurare reușită", iar interfața „Adăugați dispozitiv" a aplicației afișează „Gazdă de alarmă multifuncție" adăugată cu succes, iar aplicația face clic pe „Finalizare" (Figura 3); APP sare la
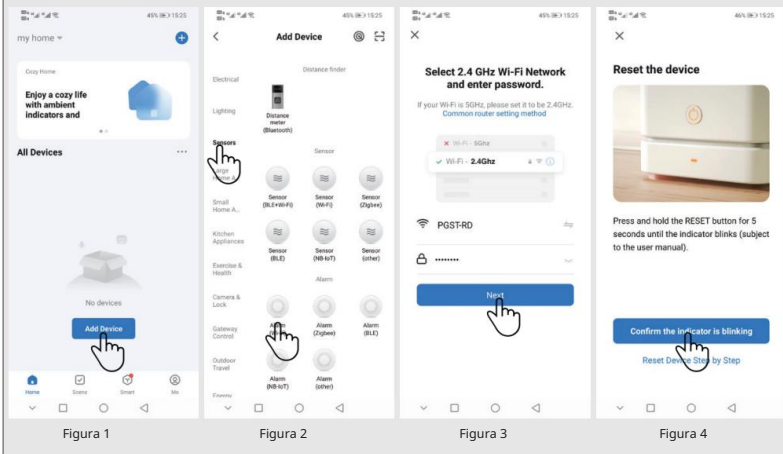Interfața funcției „gazdă de alarmă multifuncțională" și adăugarea echipamentelor este finalizată (Figura 4);.


| Figura 1 | Figura 2 | Figura 3 | Figura 4 |
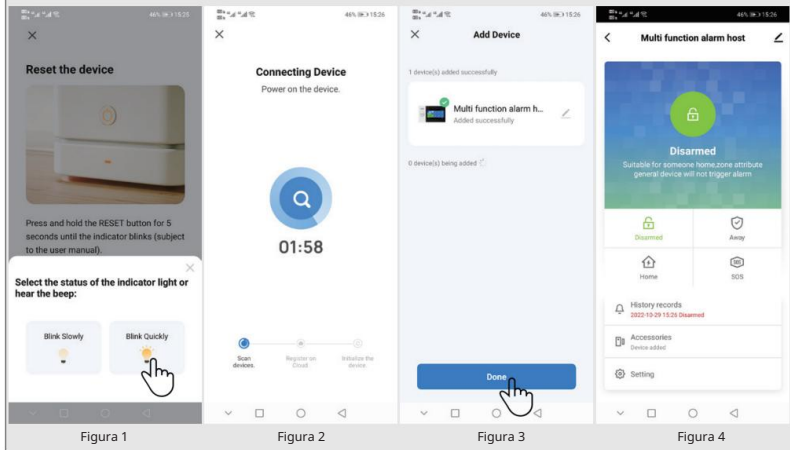
Configurare hotspot

1. Faceți clic pe „Adăugați dispozitiv" (Figura 1);

2. Faceți clic pe „Sensor" și selectați „Alarm (Wi Fi)" (Figura 2);

3. Introduceți parola Wi-Fi și faceți clic pe „Next" (Figura 3); În „Setări Wi-Fi" ale gazdei, selectați „Configurare hotspot" și confirmați pentru a reseta Wi-Fi,

4. APP faceți clic pe „indicatorul de confirmare clipește" (Figura 4);

| Figura 1 | Figura 2 | Figura 3 | Figura 4 |

5. APP faceți clic pe „bliț lent" (Figura 1);

6. APP intră în interfața „Conectați Wi-Fi mobil la hotspot-ul dispozitivului" și faceți clic pe „Deconectare" (Figura 2); Conectați hotspot-urile dispozitivelor SmartLife_ XXXX, apoi faceți clic pe Return (Figura 3);

7. APP intră în interfața dispozitivelor de conectare și afișează „Dispozitive de conectare" (Figura 4);

8. Gazda afișează „Configurare reușită", iar interfața APP „Adăugați dispozitiv" afișează „gazdă de alarmă multifuncțională" adăugată cu succes (Figura 5);

9. APP faceți clic pe „Finish", APP trece la interfața funcției „gazdă de alarmă multifuncțională" și adăugarea echipamentului este finalizată (Figura 6).

| Figura 1 | Figura 2 | Figura 3 |

| Figura 4 | Figura 5 | Figura 6 |
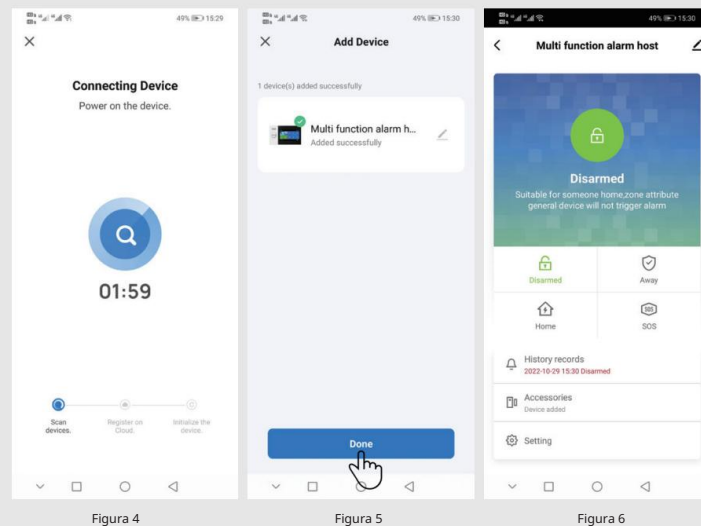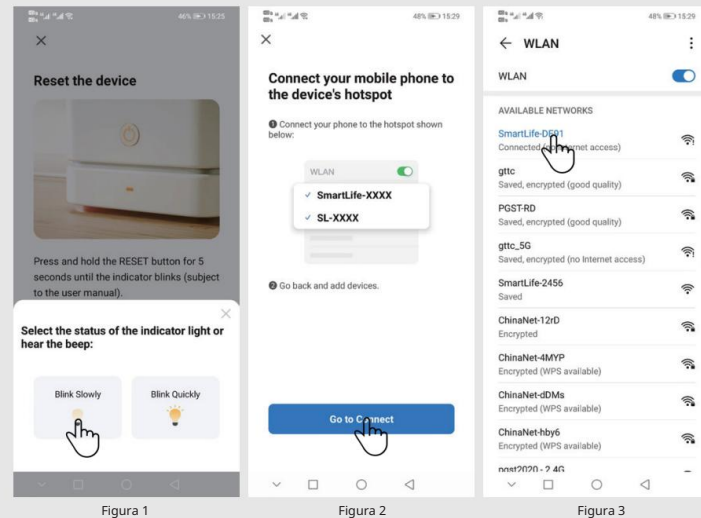
Remote SMS

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:xxxxxxxxxxx,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 1 (CALL) 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).

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