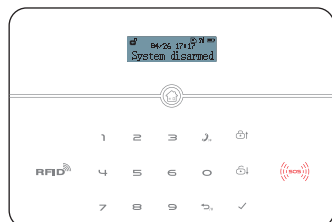# Intelligent network home alarm host
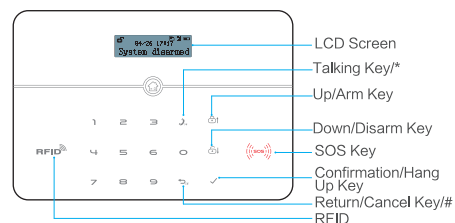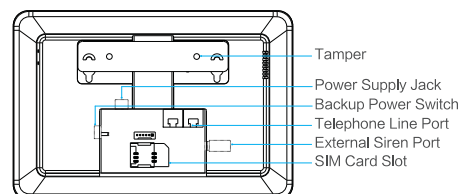
GSM/3G+PSTN

Android

iPhone

Function Instruction

☐ 128*32 pixel dot matrix LCD screen which is convenient and intuitive, presenting a good user experience.

☐ Host status on main interface such as status bar, status icon, date & clock real – time display can be got at a glance.

☐ Support multi – language menu display, voice operation prompts and alarm SMS setting.

☐ AS a GSM / PSTN intelligent alarm system, it supports many multi-channel alarm ways such as of telephone lines, mobile phones, SMS etc., to ensure stable and reliable alarm performance.

☐ Support CID communication protocol. Alarm event can be uploaded to center platform.

☐ Reserved remote GPRS TCP/UDP protocol channel,compatible with multiple alarm center networking protocol to facilitate network alarm.

☐ Support 12 wireless zones and 4 wired zones, each wireless zone can install 10pcs detectors, total 120 wireless detectors.

☐ 9 wireless remote controls, 5 RFIDs.

☐ Support many zone names setting such as of system, gate, hall, SOS, bedroom, window, balcony, perimeter, smoke, gas, carbon monoxide, water leaking, etc.

☐ Support many zone types setting such as of delay zone,24-hour zone, indoor zone, exit zone, doorbell zone etc.

☐ Timing arm and disarm.

☐ 10-second manual recording.

☐ Support preset of 6 groups alarm phone numbers and 3 groups of SMS numbers.

☐ Can set siren to be enabled/disabled, and set siren's ringing
☐ time. Support external wired siren and external

wireless siren.

☐ Support main power failure, low backup battery, host tamper and other SMS notification.

☐ Record 10 latest alarm logs.
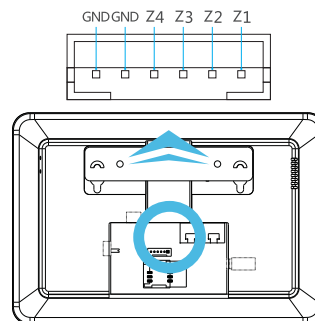
Host appearance and components
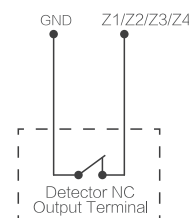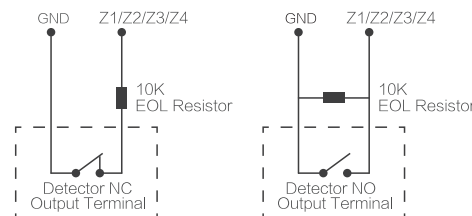
>> Host Front View

- LCD Screen
- Talking Key/*
- Up/Arm Key
- Down/Disarm Key
- SOS Key
- Confirmation/Hang Up Key
- Return/Cancel Key/#
- RFID

>> Host Back View

- Tamper
- Power Supply Jack
- Backup Power Switch
- Telephone Line Port
- External Siren Port
- SIM Card Slot

>> Wired Zone Connection Port

GND GND Z4 Z3 Z2 Z1

NC Connection

GND   Z1/Z2/Z3/Z4

Detector NC
Output Terminal

EOL Connection

GND   Z1/Z2/Z3/Z4   GND   Z1/Z2/Z3/Z4

10K
EOL Resistor

10K
EOL Resistor

Detector NC
Output Terminal

Detector NO
Output Terminal

Main interface

04/26 17:17
System disarmed
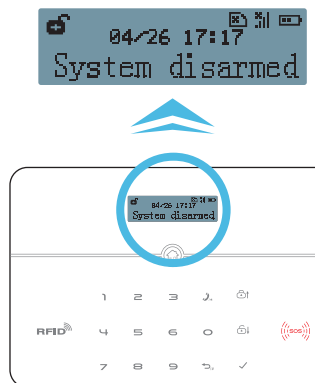
>> Description Of Main Interface's Display Area

🔋 Backup battery-powered, 0-3 grid shows the current remaining power

🔋 Main power supply

📶 GSM signal is normal

📶 GSM signal is weak or abnormal

☒ No SIM card

📇 Telephone line ok

📞 Making a call

📨 Sending SMS

🔒 System arm

🏠 Home arm

🔓 System disarm

>> Menu Structure

⚬ Remote Controls(Pair, Delete)

Zone(Pair, Delete)

RFID(RFID ID, Pair, Delete)

Phone number(phone number , Delete,Disable/Enable)

SMS number(SMS number , Delete, Disable/Enable)

Recording(recording and playback, play)

Time(Date, Time, Timely arm /Timely disarm)

Wireless setup(Disable/Enable)

Settings(Operate password, Program password, Delay arm, Delay disarm, Voice prompt, Siren prompt, Arm/disarm siren, Backlight on, Arm/disarm SMS, Alarm record, Language, Edition, Factory setting)

Installation

Hang directly on the wall or place on the table.
(refer to the below picture)
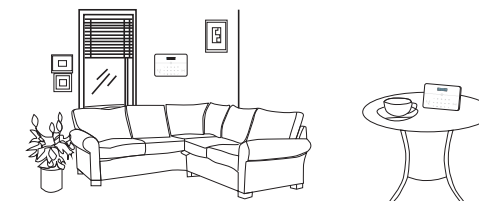
Notes: It is recommended that the host be installed in the central and open position of the entire alarm system to realize best receiving effect from all wireless detectors. Should keep the host away from large-sized metallic objects and home appliances producing high-frequency interference; Meanwhile avoid steel-reinforced concrete and fire-proof doors.

Host Panel Operation

The user can operate the functions such as Arm, Home arm, SOS etc. directly on the panel. Disarm or system settings need to enter the corresponding password. The password default is 2222 for entering the Disarm, and the program password default is 1111 for entering the system settings in disarm state.

>> Remote Control

Enter program password into setting, click ↑/↓ key to choose 'remote control' , then you can pair or delete the single remotes. 9pcs remotes can be paired.
Pair: select the remotes and click the √ key to enter, and then click ↓ key to choose 'Pair' the remotes number, then click the √ key for pairing; Trigger the remotes, it means the pairing is successful with the interface display of 'Pairing is ok'.
Delete: Click the ↓ key to choose 'delete', then to click √ key for confirmation. It means the deleting is successful with the interface display of 'Delete ok'.

>> Zone

Enter program password into setting, click ↑/↓ key to choose 'zone setting', You can make settings such as zone pair, delete, mode, siren, delay etc. 120 wireless zones and 4 wired zones at most can be set. Click ↑/↓ to choose other settings.

Pair: Choose zone, click √ key to enter, then click the ↓ key to choose the zone number, and then click √ key for paring. Trigger the sensor, it means the pairing is successful with the interface display of 'Pairing is ok'.
Delete: Click the ↓ key to choose 'Delete', then click √ key for deleting. It means the deleting is successful with the interface display of 'Delete ok'.

Zone type setting: Click the ↓ key to choose Delay zone, 24 Hours zone, Home zone, Arm zone, Doorbell zone respectively, click √ key for Enable/ Disable choice.

Zone siren setting: Click the ↓ key to choose 'Siren', and click the √ key to choose the siren ringing time 1-5 minutes.

Note: The corresponding names to the Zones 1-16: 1. System alarm, 2. Gate alarm , 3. Hall alarm, 4. SOS alarm, 5. Bedroom alarm, 6. Window alarm, 7. Balcony alarm, 8. Perimeter alarm, 9. Smoke alarm, 10. Gas alarm, 11. Carbon monoxide alarm, 12. Water leakage alarm, 13. wire zone 1, 14. wire zone 2, 15. wire zone 3, 16. wire zone 4. There are 3 types of connection for wire zone : NC, EOL and Disable.
Choose the correct alarm zone for the sensors pairing.

>> Phone Number

Enter program password into setting, click ↑/↓ key to choose , and click √ key to enter (phone number, delete,enable/disable); Groups 1-3 are for SIM alarm phone numbers, Groups 4-6 are for telephone line numbers.
For example, input format of telephone line alarm call:
Format: 9 * 02786552341, you must add '9' for the outdoors numbers, 02786552341 is the outdoors phone numbers, '*' means 1 second dialing pause before dialing '02786552341'. If you dial nonlocal phone numbers, should add '0' first, so you need input: 90 * 13418644330.

>> CID

Enter the program password into settings, click ↑/↓ key to choose and click √ key, click ↑ to choose 'CID' (User ID, CMS phone number, Delete, Enable /Disable). Phone Input format is the same both for the central exchange and the telephone line.

>> RFID

Enter the program password into settings, click ↑/↓ key to choose 'RFID' to pair or to delete. You can add 5 RFIDs. Click ↑ key to set other RFID.
Pair: Choose 'RFID' and click the √ key for confirmation, then click ↓ key to choose the RFID number to pair; Trigger the RFID, it means the pairing is successful with the interface display of 'Pairing is ok'.
Delete: Click the ↓ key to choose and click the √ key to delete; it means the deleting is successful with the interface display of 'Delete ok'.

>> Recording

Input program password into setting, press ↑/↓ to choose , including recording, playback and play functions. If there is an alert , the host will dial and play the recording automatically.
Recording and playback: Press √ key to enter, then press ↓ key to choose recording and recover, then press √ key to record for 10s and playback automatically. Finally press √ key to take some time to reserve it.
Play recording: Press ↓ key to choose 'Play' and press √ key to play for 10s.

>> Time

Input program password into setting, press ↑/↓ to choose then you can set date, time, Timely arm and Timely disarm.

Remote SMS

SMS Parameters Setting

User only needs to edit SMS according to the following format to send it to the alarm system.
* Program password * Address Setting content *

Address	Functions	Content instruction or range	Factory default
38	Modifying user password	0000-9999 must be 4 digits	2222
39	Modifying program password	0000-9999 must be 4 digits	1111
43	Initializing parameters	Null, see notes 1	
51	Setting alarm phone 1	See notes 2	Disable
52	Setting alarm phone 2	See notes 2	Disable
53	Setting alarm phone 3	See notes 2	Disable

Settings notes
(All examples use program password:1111)

1. Initialize parameters: Reserve paired controller, wireless detector and RFID, other parameters recover factory default.
   SMS content setting is: *1111* 43*
2. Alarm phones setting format: XXXXXXXXXX, A,B
   Here, XXXXXXXXXX is phone number (not more than 20 bits), A is alarm switch (1-Enable, 0-Disable), B is a SMS transmitting switch (1-Enable, 0-Disable).
   For example: Setting alarm phone ,the phone number 13912345678 is used to dial number and send SMS, then SMS content setting is: *1111*5113912345678, 1, 1*

Mobile APP

Download user APP

Scan the QR code on the front cover of Manual by mobile phone to download and install the APP.

Phone function

In disarm state, press key, enter the phone number to dial, then dial out after pressing ✓ key. Please press ✓ to hang up after get through.

Daily Operating

Remote Control: After pairing, the host can be controlled by clicking Arm, Disarm, Home arm, SOS on the remote controls.
RFID: Get the RFID card close to the swiping area, to arm or disarm the host. At least there are 3 seconds interval between twice swiping.
Keypad: On Arm status, click to enter into Home arm status, and vice verse. On Home arm status, press into Arm status; Press control password (default 2222) + to disarm.

When alerts occur, SMS alarm first, send SMS to preset phone numbers one by one. The host will auto dial the preset phone numbers after sending SMS, and sound the siren according to setting. If the phone is busy or cannot be connected, it will dial the next phone number, it will repeat dialing the preset phones numbers three times. User does not need to input operation password, the host will play voice message three times after phone call answered. And every voice message comes with alarm information. If user answered and disarm the host, the host will stop the alarm, the host will auto hang up after 60s if user does not hang up the phone. User can control the host as below after phone answered:
1-Arm 2-Disarm 3-Monitoring 4-Intercom

Trouble Shooting

Trouble	Possible reason	Method
Phone alarm failed.	Arm not set. Alarm phone not set. Sensors improper installation, too far way. Code not matching.	Set arm. Set alarm phone. according to manual Adjust sensors position. Re-pairing.
Remote controlling failed.	Wrong password.	Input the right password, or change the password.
No voice message when alarm.	Voice message not recorded.	Record voice message.
Remote controller malfunction.	Not pairing to host. Low battery. Not match to host.	Re-pairing. Change the battery. Contact the local seller to replace.

Technical Parameter

☐ Input voltage: DC5V (micro USB standard interface)
☐ Working current: < 120mA
☐ Siren output: < 500mA
☐ Wireless frequency: 433MHz(other frequencies are for options)
☐ Emission distance: <100m
☐ Wireless code: eV1527
☐ CID frequency: 1400Hz/2300Hz
☐ GSM band: 850/900/1800/1900MHz
☐ Backup battery: 3.7V/500mAh Li-ion
☐ Working temperature: -10℃ ~ +55℃
☐ Relative humidity: < 80% RH (no freezing)
☐ Size: 185.65mm*125.65mm*24.1mm (L*W*H)

PGST®

Date: May 26, 2017

产品型号	PG-104	部件名称	PG-104英文说明书(公司标准)
设　　计	EE	材　　料	80克说明书(正反印)
品　　号			
工　　艺	CMYK	成品尺寸	印刷尺寸297*200MM 产品尺寸74.25*200MM

注： 此说明书为折叠式分页，中间竖黑色线不印刷，印刷尺寸：297*200MM，
　　　成品尺寸：74.25*200MM.