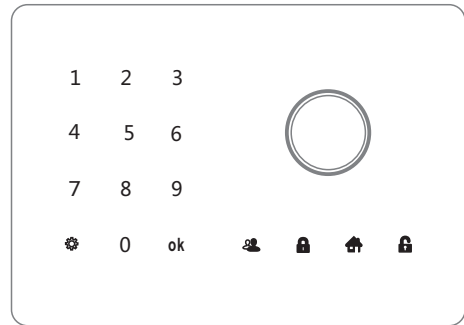


TOUCH ALARMSY STEM

GSM/SMS

Intelligent Burglar Alarm System



User Guide
Version V14.3

Dear users

Thanks for selecting the intelligent alarm system. Please read through this guide before installation so as to operate properly. The system adopts the newest GSM network and Digital Signal Processing technology, and is widely used in security fields, such as protect your home, store, office, factory etc. It realizes wireless alarm dealing and controlling convenient and flexible remotely, solves the limitation of wired data transmission in telephone and wired network. Perfect design and simple installation make your operation easily and comfortable.

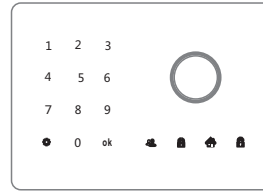
“People oriented, technology first” is our company's action rule. Customer satisfaction is our consistent pursuit. Perfect system, excellent services, sincere attitudes will bring you a new enjoyment.

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I. Introduction

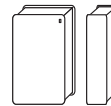
1.1 Content of Package



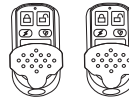
Control Panel complete with touch keypad & built-in siren, backup battery and 110-240V AC/12VDC power adapter



PIR motion sensor complete with battery



Magnetic door and window contact complete with battery



Remote controllers complete with batteries

The alarm system adopts SMS data transmission and voice platform of GSM network to send command and receive alarm message remotely. The system can be armed according to user's requirements. The sensor will send alarm signal to alarm host immediately once it is triggered, then the alarm host will send alarm SMS to pre-set mobile phone numbers, meanwhile dial its preset phone numbers automatically. In addition, user can dial the number in the alarm host to control the host, such as arm, disarm etc.

1.2 Main functions

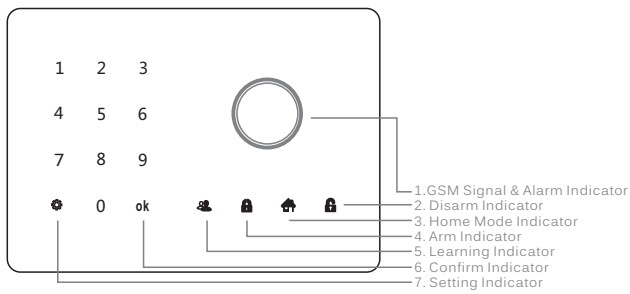
- Control by iPH and Android APP;
- ARM CPU
- Touch keypad on alarm panel enable to arm/disarm/home mode
- Learning code, support 2262 (4.7M) and 1527 (330k) encoding chip
- Two-way communication
- 24 wireless zones, 6 fire alarm zones, 20 remote controllers or panic buttons and 2 wired zones
- Switch 6 voice prompt and languages (English, Russian, Spanish, German, French and Chinese)
- Setup 3 numbers for SMS alarm, 3 numbers for calling alarm
- Delay alarm function (0-60 seconds optional)
- Setup siren ringing time (0-254 seconds optional)
- Wireless transmission for wireless siren and 2 routes wireless relays

- Control the alarm via SMS and phone keypad
- Home mode function
- Record voice for 10 seconds
- External power failure/recovery alarm function (optional)
- Siren prompt when arm/disarm
- SMS prompt when arm/disarm

1.3 Specification

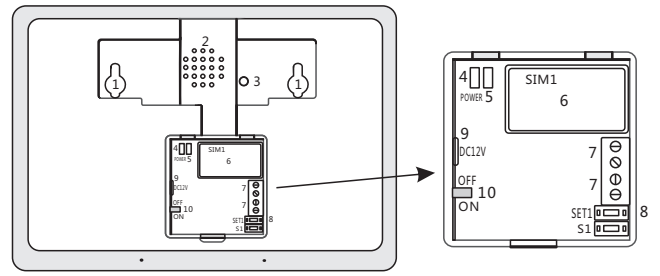
- Wireless frequency: 315MHz/433MHz;
- GSM frequency: 850/900/1800/1900MHz
- Alarm response time: $\leq 8s$ (GSM signal in normal)
- Power requirements
Input: AC 220V 50Hz/60Hz Output: DC 12V/1A
Working consumption: $< 0.6W$
Backup battery: DC7.4V/850MA
Backup battery working hours: ≥ 10 hours
- Working condition
Temperature: $-20\sim+55^{\circ}C$ humidity: $\leq 90\%$ (non-condensation)
- Size: 187mm (L) \times 130mm (W) \times 27mm (H)
- Record time: 10s

II. Structure



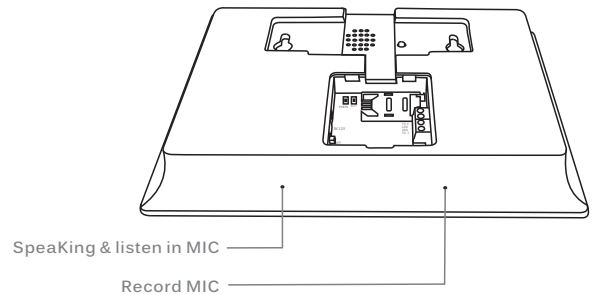
Control panel showing as above:

1. GSM Signal & Alarm Indicator: It has normal GSM signal if GSM Signal Indicator flashes every 2 seconds. It is without GSM signal if indicator flashes every second, and it's in alarm status if the indicator become red.
2. Disarm Indicator: It is on disarm status if indicator is on, will be off if in arm or home mode.
3. Home Mode Indicator: "On" means Home mode; "off" means arm or disarm.
4. Arm Indicator: Flash means arming, keep on means armed; off means home mode or disarm.
5. Learning Indicator: "On" means in learning status or dialing; "off" means exit learning status.
6. Confirm Indicator: "On" means confirm.
7. Setting Indicator: "On" means enter into settings, "off" means exit settings.



Showing as above:

1. Fixing Hole 2. Siren Hole 3. Tamper Switch 4. Power Indicator
5. SIM Socket 6. Wired Zone 7. Reset Button 8. Power Port
9. Power Switch



III. Installation & Operation

3.1. Install SIM card

The alarm host transmits alarm messages through GSM SMS & voice platform, please prepare a SIM card before the installation. (Make sure the SIM card can send SMS and make calls normally if it is a new SIM card.)

Turn off the power; insert the SIM card in a correct direction to complete the installation.

3.2. Running

Make sure the power supply well connected, then turn on the power, the POWER keeps on, GSM signal indicator blink, the ARM indicator "🔒", home mode indicator "🏠" and DISARM indicator "🔓" keep on at the same time. The host will get into initialization and GSM network searching mode, after "di di" beeps (about 25s later), the system enters into normally working status, one of the ARM, Home Mode and Disarm indicator will be on showing current status, the GSM signal indicator will blink.

Notes: It means GSM network good if the GSM signal indicator blink about every 2 seconds.

3.3. Enter Settings

After the host get into running status, press "⚙️" comes with voice prompt "Input password", input password + OK comes with "Input command" as well as "di, di" two beeps. It means the host enters into the setting status. If you hear "di, di, di" three short beeps and voice prompt of "input password", it means input wrong password,

please input again.

Note: When program the alarm phone numbers by the keypad, every time you press the button on the keypad you will hear "di" sounds for confirmation; if there's no voice you can press the button again.

Note: SET button "⚙️" keep on means in setting status, the button will be off if without any operation within 15 seconds. Each entry should be with password, the initial password is "123456".

3.4. Exit Settings

Do not touch any keys on the panel once the settings done, host will exit settings automatically in 15 seconds later with "di, di" two beeps.

Note: Host can exit settings immediately: Touch SET button "⚙️" again in setting status, host will exit settings immediately.

IV. Record/Play Voice

Record Voice: Enter into setting status, input 0+ OK, please record for 10 seconds after "di" one beep. The recording ends up with "di, di" two beeps.

Play Voice: Input 9 + OK on the keypad to play the recorded voice.

V. Settings via Touch keypad

5.1. Learn/Delete Detectors

a. Learn Detectors: Press Learning Button "👤" on keypad in setting status, then input Serial number + OK, meanwhile with "di, di" two

beeps and OK light flash twice, and then trigger the detector. The Learning Button "👤" will be off if detector added successfully. If with "di, di, di" three short beeps and Learning Button flash twice at the same time, it means the code of the wireless detectors maybe repeated or with wrong code (Please refer to Encoding)

Note: Serial number is with zone number and serial number for remote controller or panic button. 01-24 is the wireless zone number, 25-30 is fire alarm zone number, 31-50 is serial number for remote controller or panic button.

b. Delete Detectors:

Delete all the detectors: Keep pressing SET button for about 8 seconds, until "👤" light off with "di, di" two beeps, it means delete successfully.

Delete single detector: Press SET button, "👤" on, input serial number + OK. It will make "di" beep if delete successfully.

For example: input 08 + OK, it means the detectors in zone 8 have been deleted.

Note: It will cover the previous detectors if not delete the original detectors and learn new detectors directly.

5.2. Setup Alarm SMS Number

a. In setting status, input serial number + Phone number + OK. For example: Set 13688888888 as the 1st alarm SMS number, input 1+13688888888+OK in the touch keypad, it means input successfully if with "di, di" two beeps and OK indicator flash twice. Repeat above steps will set all the 3 alarm SMS numbers. Serial No. should be 1,2,3. If with "di,di,di" three short beeps, it means

input wrong, please input again.

Note: We suggest you to set the 1st Number for receiving setting SMS for checking your set numbers.

b. Delete SMS Alarm Number: In setting status, input Serial number + OK.

5.3. Setup Alarm Phone Number

a. In setting status, input serial number + Alarm Phone Number + OK.

For example: Set 13688888888 as the 1st alarm phone number, input 4+13688888888+OK in the touch keypad, it means input successfully if with "di, di" two beeps and OK indicator flash twice. Repeat above steps will set all the 3 alarm phone numbers. Serial No. should be 4,5,6: 4 means the 1st alarm phone number. If with "di,di,di" three short beeps, it means input wrong, please input again.

b. Delete Alarm Phone Number: In setting status, input serial number + OK. Once the delete has been done, host will send SMS to the 1st Alarm SMS number for confirmation.

5.4. Arm/Disarm

Arm: "🔒", arm 30 seconds later after press it. Press "🔒" twice will enter into arm status immediately.

Home Mode Arm: "🏠", will enter into home mode arm. Need to set the home mode zones via SMS in advance, if not, it will make all the zones into home mode arm.

Disarm: "🔓", press it in arm status, then input password.

5.5. Phone call

In running status, press "👤" to make it keep on, then input phone number + OK.

For example: If need to call 13888888888, press "👤"+ 13888888888 +OK. The "👤" will keep on when calling, and touch "👤" again to hang up the phone.

5.6. Change password

In setting status, input 7 + password + OK. The initial password is 123456.

Note: The new password can be 1 to 6 digits numbers.

For example: Changed password can be 1-6 digits numbers, it will be with "di, di" two beeps sound for confirmation.

5.7. Wired Zones NO/NC Alarm (Initial is Closed alarm)

- a. Set as wired zones opened alarm: "8"+"0"+"OK"
- b. Set as wired zones closed alarm: "8"+"1"+"OK"

5.8. Turn On/Off External Power Failure Alarm (Initial is on)

- a. Turn off power failure alarm: "8"+"2"+"OK"
- b. Turn on power failure alarm: "8"+"3"+"OK"

5.9. Turn On/Off Arm/Disarm Siren Prompt (Initial is off)

- a. Turn off arm/disarm siren prompt: "8"+"4"+"OK"
- b. Turn on arm/disarm siren prompt: "8"+"5"+"OK"

5.10. Turn On/Off Arm/Disarm SMS Prompt (Initial is off)

- a. Turn off arm/disarm SMS prompt: "8"+"6"+"OK"
- b. Turn on arm/disarm SMS prompt: "8"+"7"+"OK"

Note: All the commands from 5.6 to 5.10 should be valid when it is in setting status. It will make "di, di" two beeps if input successfully.

VI. SMS Command

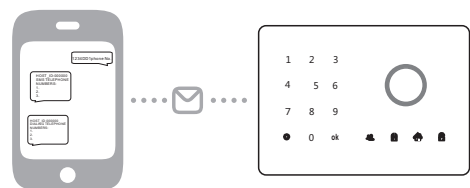
Note: The alarm indicator will flash once when host received SMS commands.

6.1. Setup Phone Number & Password:

SMS Format: "Password + DD + 1st SMS alarm number, 2nd SMS alarm number, 3rd SMS alarm number, 1st calling alarm number, 2nd alarm calling number, 3rd alarm calling number, New password"

For example, set 13888888888 as the 1st SMS alarm number, 13800000000 as the 3rd alarm calling number, then send SMS: 123456DD1388888888,,,,,13800000000,

Send:



123456DD138888888888,,,,,13800000000,

SMS command

HOST_ID:000000 SMS TELEPHONE NUMBERS: 1.138888888888 2. 3.

Reply message 1

HOST_ID:000000 DIALING TELEPHONE NUMBERS: 1. 2. 3.138000000000

Reply message 2

Note: All the alarm SMS numbers and calling numbers can be set once. If don't need to set some numbers, separate with comma. If not change password, no need to input new password. New password can be 1 to 6 digits numbers.
All the settings number and password will be sent to the 1st SMS number for confirm.

6.2. Delete Phone Numbers

SMS Format: Password + DD + *,*,*,*,*,*

Note: *,*,*,*,*,* means relevant alarm SMS numbers and calling numbers. If need to delete 1st alarm SMS number and 3rd alarm calling number, the command should be: 123456DD*,*,*,*,*

123456DD*,*,*,*,*

6.3. Inquire Phone Numbers & Password

SMS Format: Password + DD

The set numbers and password will be replied to the 1st alarm SMS number.

6.4. Arm/Disarm:

Arm: Password + A1

Disarm: Password + A2

For example: Initial password is 123456, if arm remotely, send SMS: 123456A1

The SMS: Host Armed will be sent to the 3 alarm SMS numbers

6.5. Inquire Arm/Disarm Status.

SMS Format: Password + W1

The arm/disarm status will be sent to the 3 alarm SMS numbers

6.6. Change Zone Name

SMS Format: Password + DM + Zone No. (01 to 24) + New changed zone name

Note: New changed zone name should be 1-31 characters, Zone No. should be 01 to 24.

For example: Initial password is 123456, set zone 6 into "Bedroom PIR alarm", then send SMS: 123456DM06Bedroom PIR alarm.

123456DM06Bedroom PIR Alarm

The changed new zone name will be sent to the 1st alarm SMS number once changed successfully.

6.7. Inquire Changed Zone No.

SMS Format: Password + DM

The changed zone No. will be sent to the 1st alarm SMS number.

6.8. Inquire Changed Zone Name

SMS Format: Password + DM + Zone No. (01-24)

Zone No. and changed zone name will be sent to the 1st alarm SMS number.

6.9. Change Installation Address

SMS Format: Password + DM + 00 + New installation address

New installation address should be within 1-31 characters.

For example: Change installation address into Room1, 5F. Then send: 123456Room1, 5F.

123456DM00 Room 1,5F

6.10. Setup Home Mode Zone (Initial is all the zones are home mode zone)

SMS Format: Password + HA + Zone No. (01-24)

Note: Multi zones No. can be set once, only with comma to separate.

For example: 123456HA01,02,24. Once set successfully, zone 01, 02, 24 are set as home mode zones, and will alarm in home mode arm.

The set home mode zone No. will be sent to the 1st alarm SMS number.

6.11. Inquire Home Mode Zone

SMS Format: Password + HA

The home mode zone No. will be sent to the 1st alarm SMS number.

6.12. Setup Siren Ringing Time (Initial is 90 seconds)

SMS Format: Password + ST + Time

Note: When set as 0 seconds, it will be silence alarm. The Time can be 0-254 seconds.

The set siren ringing time will be sent to the 1st alarm SMS number.

6.13. Inquire Siren Ringing Time

SMS Format: Password + ST

The siren ringing time will be sent to the 1st alarm SMS number.

6.14. Setup Delay Alarm Time (Initial is 0 second)

SMS Format: Password + DY + Time

The time should be 0-60 second, and if set as 0 second, it means no delay.

The delay time will be sent to the 1st alarm SMS number

6.15. Inquire Delay Alarm Time

SMS Format: Password + DY

The delay alarm time will be sent to the 1st alarm SMS number.

6.16. Inquire External Power Status

SMS Format: Password + W2

The external power status will be sent to 3 alarm SMS numbers.

6.17. Switch 6 Languages

SMS Format: Password + LG + Serial No.

The set language will be sent to 3 alarm SMS numbers.

Note: Serial No. should be 1-6: 1-Chinese, 2-English, 3-Russian, 4-Spanish, 5-German, 6-French.

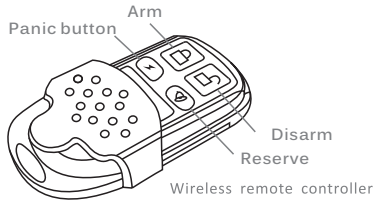
6.18. Inquire Languages

SMS Format: Password + LG

The current language will be sent to the 1st alarm SMS number.

VII. Usage

7.1. Arm/Disarm Via Remote Controller



- a. Arm: Press "🔒" on remote, host will make "di" beep and "Arm" voice prompt, the Arm indicator will flash at the same time. Then host will enter into arm status in 30 seconds later, Arm indicator will keep on.
 Press "🔒", then "🔊", host will make "di, di" beeps, and then enter into arm status immediately.
- b. Disarm: Press "🔓" on remote, host will make "di, di" beeps and Disarm voice prompt, Arm indicator will be off, Disarm indicator will be on.

7.2. Panic Alarm

Press "🔊" when an emergency occurred, the host will alarm and start the siren immediately, and send Panic alarm SMS to the user and make alarm calling numbers for 3 times cycle.

7.3. External Power Failure Alarm

Host will alarm immediately when external power failure, and send External Power Failure Alarm SMS to the user and make phone calls circularly for 3 times. (Siren will not sound if external power

failure alarm)
 Host will stop alarming once external power recovered, and send External Power OK to the user.

7.4. Alarm Handling

When an alarming occurred, host starts the siren to inform the neighbors, and send SMS and make phone calls to preset numbers.
 User can handle the alarm when answering the phone: Press 1 to Arm, 2 to Disarm, 3 to start the siren, 4 to stop the siren, 5 to turn on relay 1, 6 to turn off relay 1, 7 to turn on relay 2, 8 to turn off relay 2. If the phone call is unable to put through, host will dial the next alarm calling numbers circularly for 3 times unless it is answered by one of the phone calling.

7.5. Remote Arm/Disarm & Listen in

Dial the alarm host with telephone to control it, host will answer the calling about 10 seconds later. Then input password once put through, host will hang up if input password wrong for 3 times. If password correct, start listen in automatically, and control host via phone key: 1-Arm, 2-Disarm, 3-start the siren, 4-stop the siren, 5-turn on relay 1, 6-turn off relay 1, 7-turn on relay 2, 8-turn off relay 2, hang up to end the operation.
 Note: Host will hang up automatically 20 seconds later if there is no operation before input the password.

VIII. Cautions

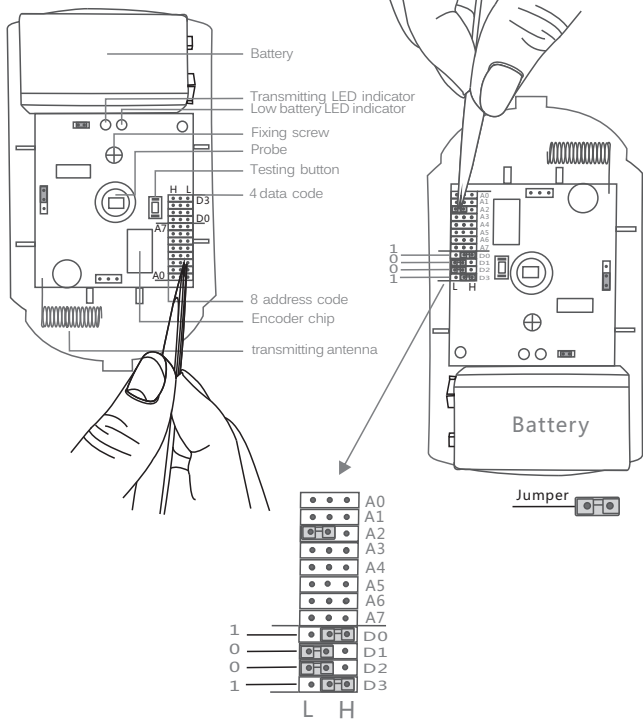
1. Keep away from water
2. Install host in hidden place with good GSM signal
3. Turn off host when insert/take out the SIM card
4. Connect power adapter well and keep good heat dissipation
5. Enter into normal running status about 12 seconds later.
6. Check all the detectors batteries in time and change them when power is low
7. Do not install the PIR motion sensors face to the window directly
8. Do not install the alarm system close to the objects with strong interference, such as TV, computer etc.
9. Inspect the SIM card in the alarm host regularly (Check GSM signal, balance etc)
10. Inspect the GSM alarm system operation regularly.
11. Designed for indoor use rather than outdoor.
12. Suggest operating the touch keypad in Disarm status. The response time is 200ms in non-alarm status; it's 1-2 seconds in alarm status.

IX. Encoding

Control Items	Wireless Code (2262)	Chip-Data 2262-D0 (13) 1527-K3 (8)	Chip-Data 2262-D1(12) 1527-K2 (7)	Chip-Data 2262-D2(11) 1527-K1 (6)	Chip-Data 2262-D3(10) 1527-K0 (5)
Controller (Arm)	If use 2262 encoding chip, the wireless address should not be empty.	1	0	0	0
Controller (Disarm)		0	1	0	0
Controller (Fast Arm and Panic Alarm)		0	0	1	0
Controller (Home Mode)		0	0	0	1
Common Zones (01-24)		1	0	0	1
Fire Zones (25-30)		1	0	0	1
Remark: Use jumpers or tin soldering for connecting the pins of A0-A7 & D0-D3. Connecting N-H stands for "1", connect N-L stands for "0", no connection stands for "2".					

For example: If need to add extra PIR sensor into common wireless zones (with 2262 chip), D0-D3 should be 1001, A0-A7 can be encode with any code (if with 1527 chip, no need to encode), showing as below:

Internal chart



Please refer to Point 5.1 for the learning detectors and remote controllers after encoded D0-D3.

X. SMS Command

Command	Sample	Result
PassworDDPhone No.,...,password	123456DD1388 8888888.,.,.999	Setu p the 1st alarm phone number, and new password is 999
PassworDD*,*,*,*,*	123456*,*,*,*,*	Delete all the numbers
PasswordDD	123456dd	Check setu p phone number
PasswordHAzone Number	123456HA06	Zone6 has been set as Home Mode
PasswordHA	123456HA	Check home mode zones
PasswordSTtime	123456ST60	Siren ringing time set as 60 seconds
PasswordST	123456ST	Check siren ringing time
PassworDMzone No. New name	123456DM06Bedroom PIR alarm	Zone6 has been changed into bedroom PIR alarm
PassworDM00new name	123456DM00No.11 Building	The new installation address become No.11 Building
PasswordW1	123456W1	Check Arm/Disarm status
PasswordW2	123456W2	Check external AC power status
PasswordA1	123456A1	Arm
PasswordA2	123456A2	Disarm
PassworDLGserial number	123456LG6	Switch to French language
PassworDYtime	123456DY30	Delay alarm set 30s