

11. System setup

11.1 Delay setting



Picture 11-1

11.1.1 Arm Delay

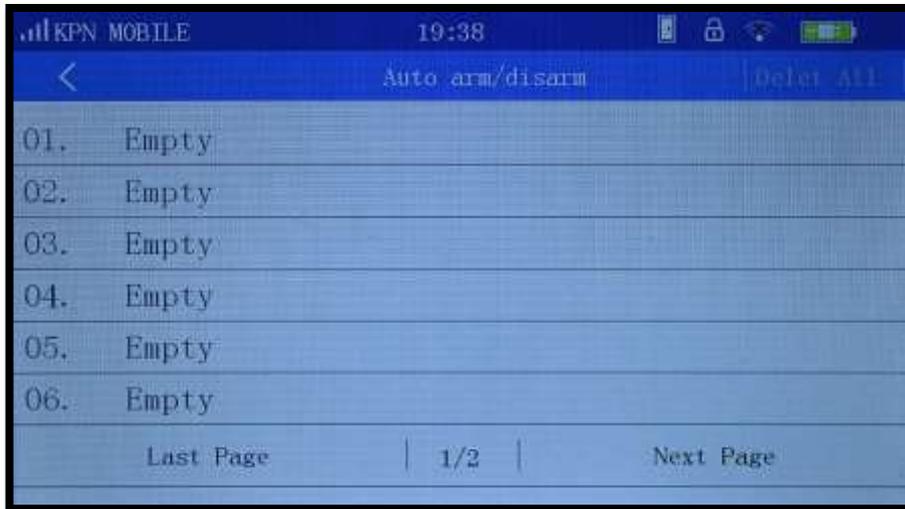
Gives the ability to use the arm key on the panel when leaving the guard area to delay the arming for x seconds. You can set a delay of 0-255 seconds. In the delay arming status, the host beeps every second till the delay is over and goes into arm status. The value zero means no delay on arming.

11.1.2 Alarm Delay

Gives the ability when entering the guard area to delay the alarm for x seconds. You can set a delay of 0-255 seconds. In the alarm delay status, the host beeps every second till the delay is over. The value zero means no delay on alarm.

11.2 Auto Arm/Disarm

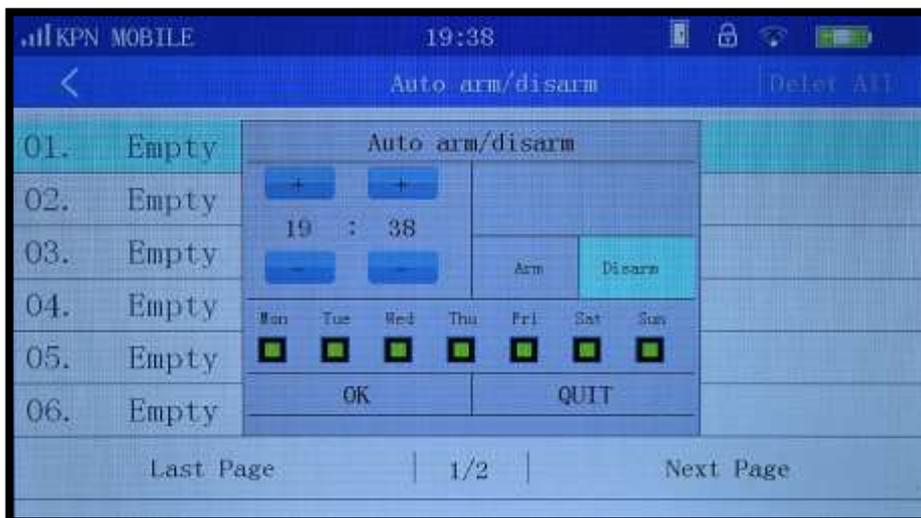
On the page of Auto Arm/Disarm, you can program the first 8 zones to automatically Arm/Disarm. The setting supports “time”, “arm/disarm” and “day of week” choice.



Picture 11-2

11.2.1 Delete auto arm/disarm

To delete auto arm/disarm for a zone choose the zone that you want to delete. A dialog [edit/ delete] will pop up. If you select [edit], you can edit the settings; if you choose [delete] it will delete the auto arm/disarm.



Picture 11-3

To delete all groups auto arm/disarm click in the top right corner [delete all].

11.3 Volume adjustment

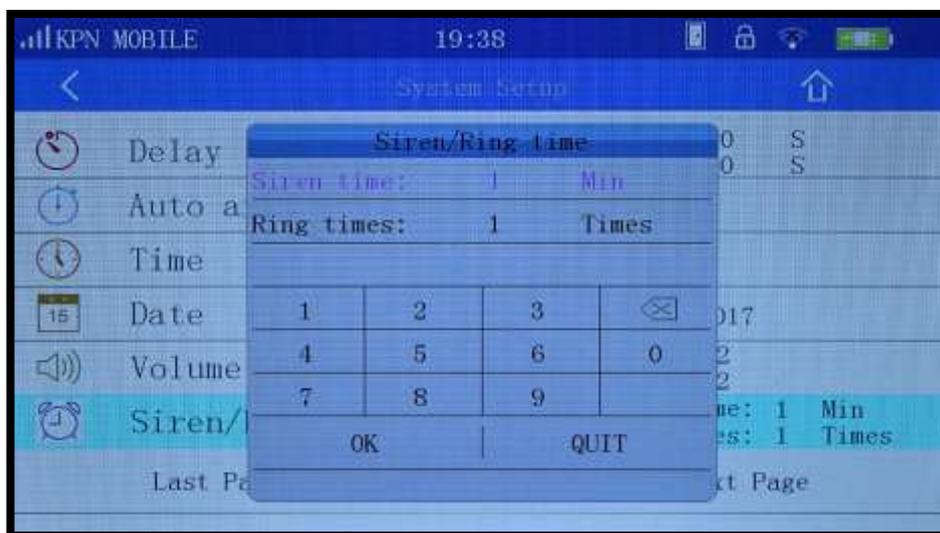


Picture 11-4

Voice volume: Ability to set the voice prompt volume (0-7) of the panel. 0 means voice prompt mute, 7 means the maximum volume. The default voice volume is 5.

Alarm volume: Ability to set the alarm volume (0-7) when the panel alarms. 0 means alarm mute, 7 means the maximum alarm volume. The default alarm volume is 5.

11.4 Siren/Ring time



Picture 11-5

Siren time: Ability to set the number of minutes the alarm sounds. Make sure you meet the regulations in your area about duration of the alarm sound.

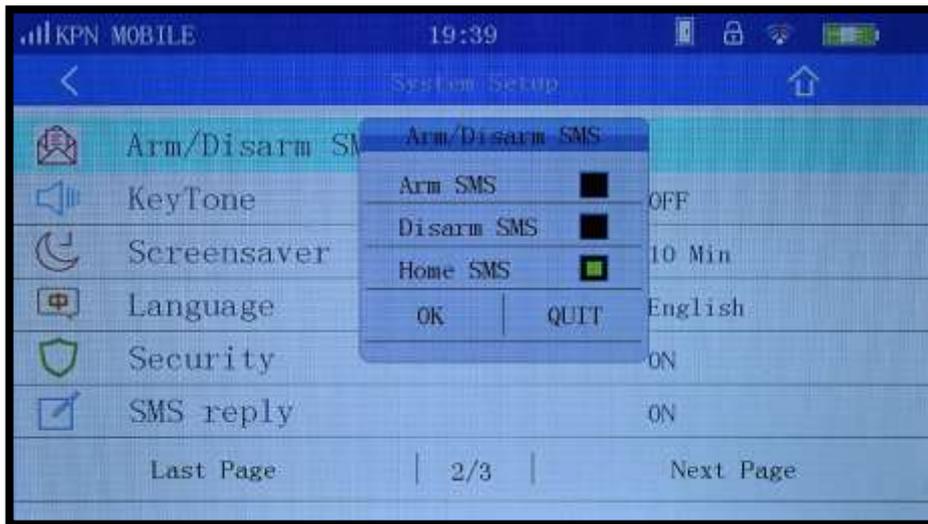
The maximum is 20 minutes, 0 indicates no siren, The factory default is one minute.

Ring times: When the host is remotely calling (during alarm) it will wait for an answer after the specified number of ring tones. Can be set up to 20 times, entering 0 to disables the remote control function. 20 indicates that the host waits 20 continuing rings to answer the call.

The factory default is 1.

11.5 Arm/Disarm SMS

Picture 11-6, in the disarming SMS notification page the user can select the desired SMS notification. Make sure to set the alarm numbers when enabling this function.



Picture 11-6

11.6 Key Tone



Picture 11-7

When the key tone is on, pressing the host screen will trigger a "beep" a sound. The factory default is On.

11.7 Screensaver



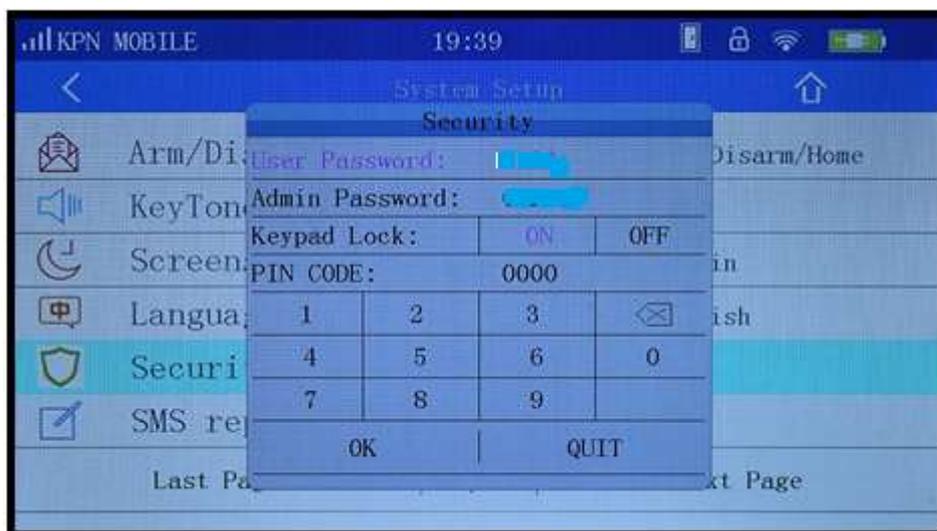
Picture 11-8

On the Screensaver settings page there are six options, "30 seconds", "1 minute", "2 minutes" "5 minutes", "10 Minutes", "never". The factory default is 30 seconds, indicating that without any operation during 30 seconds, the host display will automatically turn off and be locked. Choosing "never" means that the display never turns off or will be locked.

11.8 Language

On the 'System setup' page under 'language' (System > Language) you can choose two languages (Chinese & English).

11.9 Security



Picture 11-9

As shown in Picture 11-9 users can set [User password], [administrator password] and [Keypad Lock]
User password: Is 4 digits to restrict the access of others. The factory default user password is 1234.
 When Keypad lock is "on", enter your user password can only for open / close / stay arming operation.

Administrator Password: Is 6 digits and used to enter the menu to program the host. This password is also used for remote setting, telephone, SMS settings and query using the app. The factory default administrator password is 123456.

Keypad Lock: Choosing Keypad lock ON, in the upper right corner a lock icon on the host displays. The host automatically will be locked after 20 seconds of no use. When in locked state the screen can only be operated for Arm / Home / SOS functions. To disarm and other operations the 'Please enter password' screen appears (figure 11-10), and you must enter a password to unlock the keyboard. Host keypad lock factory default is OFF.



Picture 11-10

Pin code: Used to enter the pin code of the installed SIM card.

11.10 SMS Reply

In the page of SMS Reply, you can choose "YES" or "NO". When enabling SMS notifications or using the App by Phone connection, choose "YES" so the host can send feedback SMS to sender. The default status is on "YES"



Picture 11-11

11.11 Power Alarm

In the settings page of Power Alarm (Picture 11-12), there are 4 choices: Panel Power Off, Panel Power On, Panel Low Battery, and Sensor Low Battery.



Picture 11-12

11.11.1 Panel Power OFF

When "Panel Power Off" is chosen, four choices pop up:

- Voice:** Panel will say that the power is Off
- Siren:** The siren will be activated
- SMS:** A SMS is send that the power is off
- Call:** The telephone numbers are called.

After setting the Panel Power Off function, the panel will warn you that the power is off, to avoid the unnecessary loss of security functions.

11.11.2 Panel Power ON

The same as Panel power OFF, user can choose same choices according to their needs.

11.11.3 Panel Low battery

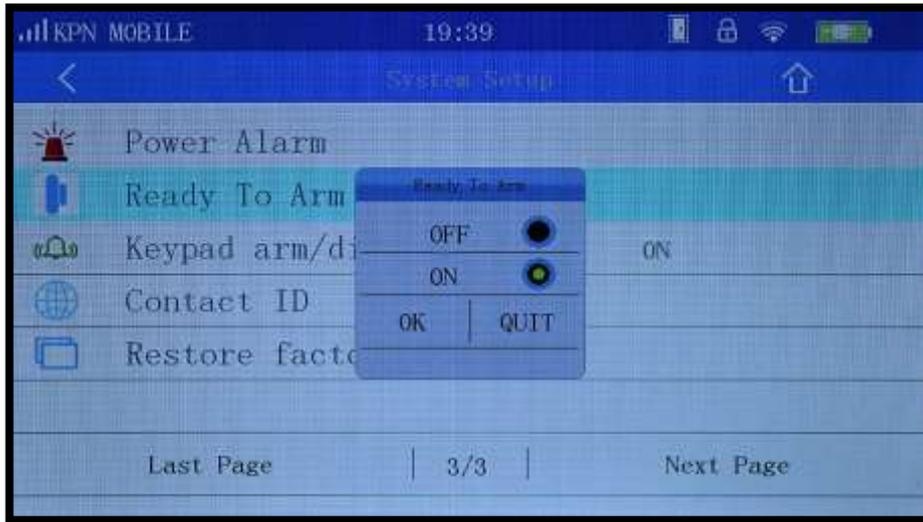
The same with above, user can choose same choices according to their needs.

11.11.4 Detector Low battery

The same with above, user can choose same choices according to their needs.

11.12 Ready to Arm

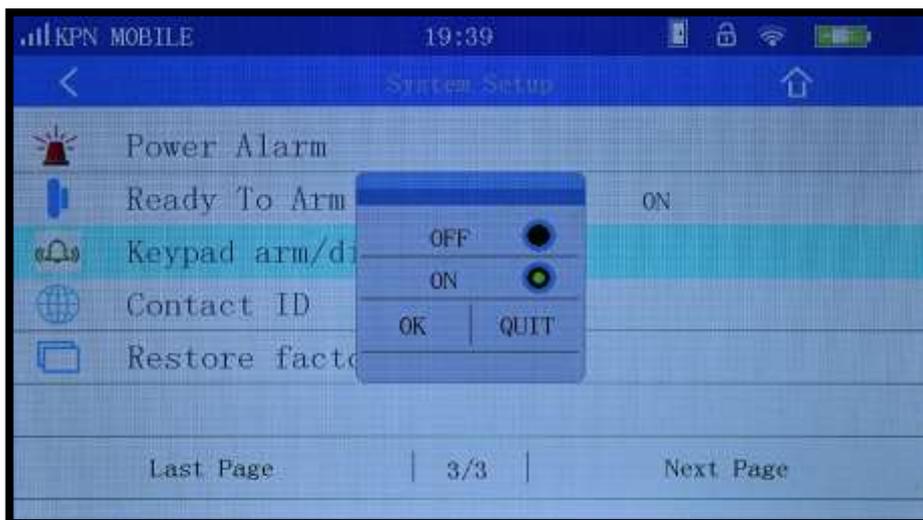
This function checks if all door sensors are closed when arming. A door icon will be shown in the top menu of the host (red color when open, white when closed). When function switched 'ON' and a door is open, the system cannot arm and a voice alert sounds "XX zone on". You can't arm the system until all door sensors are closed. If you set this function 'OFF', no matter a door is open or close, the system can be armed.



Picture 11-13

11.13 Keypad arm/disarm

Enables the use of the keypad to arm or disarm. When off these functions can only be performed using a remote controller or the app.



Picture 11-14

11.14 Contact ID

CID No. is the account which is shown on the network center.

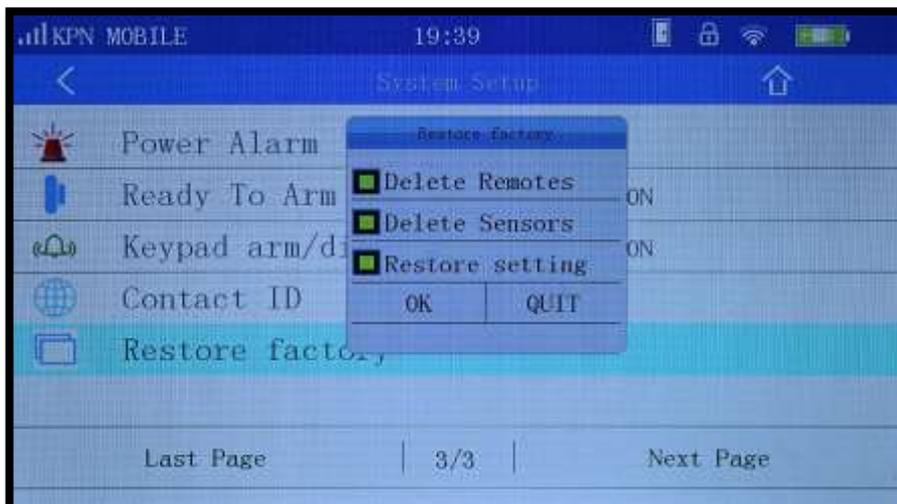


Picture 11-15

11.15 Restore factory

Restores the K7 panel to the factory defaults using three options:

- Delete Remotes:** Delete all programmed remote controls.
- Delete Sensors:** Delete all programmed sensors.
- Restore setting:** Except the added remote controls, sensors, smart sockets, sirens and language all other settings will be restored to factory setting.



Picture 11-16

11.16 Phone Call

As Picture 11-17. In the Call Menu page user can dial any number, like a normal phone.



Picture 11-17

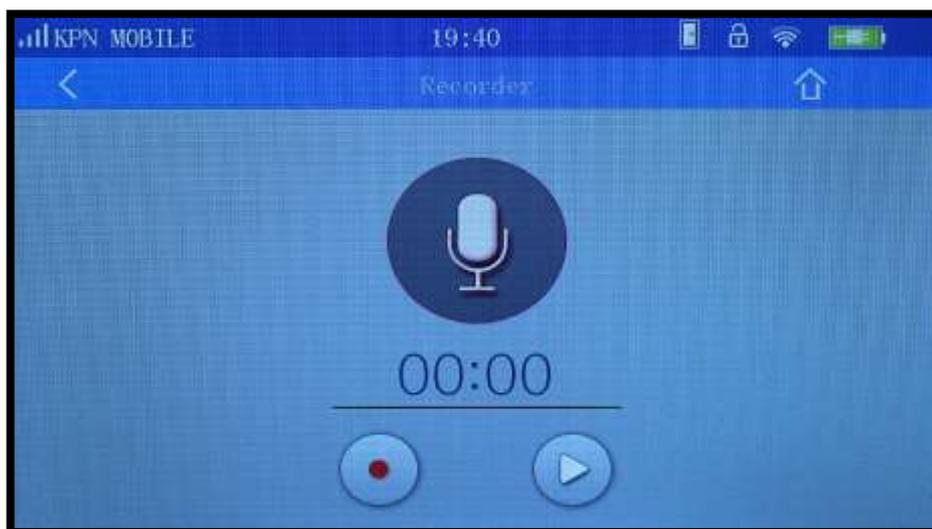
11.17 Recording

When alarming, the recording message will sound first when a telephone number is dialed.

How to set the recording:

As Picture 11-18 shows, press button  to record for a maximum of 10 seconds.

The voice alert should be clear and simple, for example: "this is ** home, intruder break into, please help". Message is saved automatically. You can press the recording button to overwrite the previous.

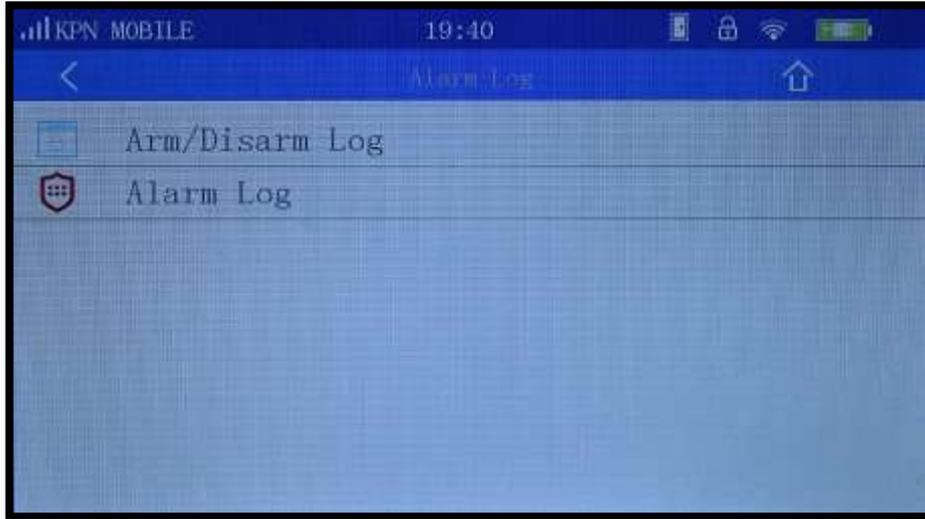


Picture 11-18

After the recording is over, press play  button to hear if the recording is right or not.

11.18 Alarm Log

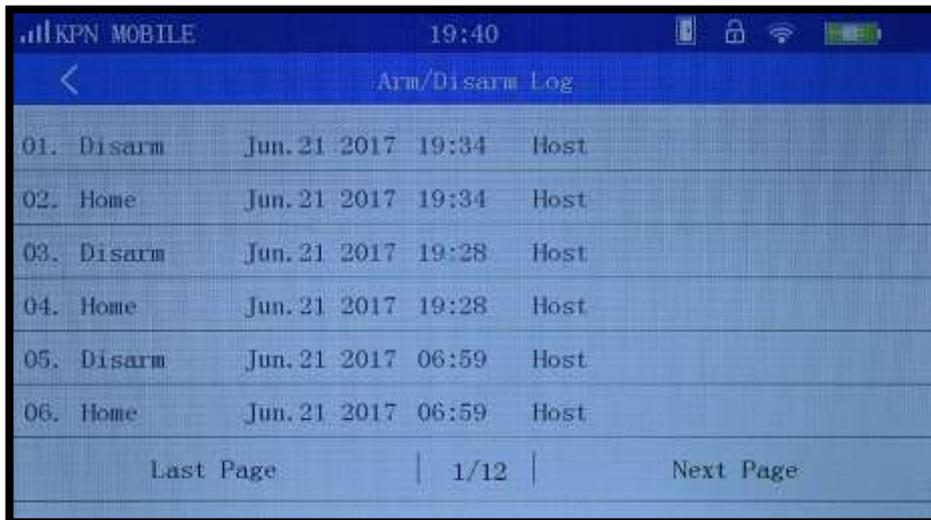
All alarms, arms and disarms are logged for audit use.



Picture 11-19

Arm / Disarm Log

As shown in Picture 11-20. In this page the last 99 arm/disarm recordings are shown, for each recording it shows the date, time and the device (Host, remote control, sms, wifi, gprs) used for arm/disarm/home.



Picture 11-20

Alarm Log

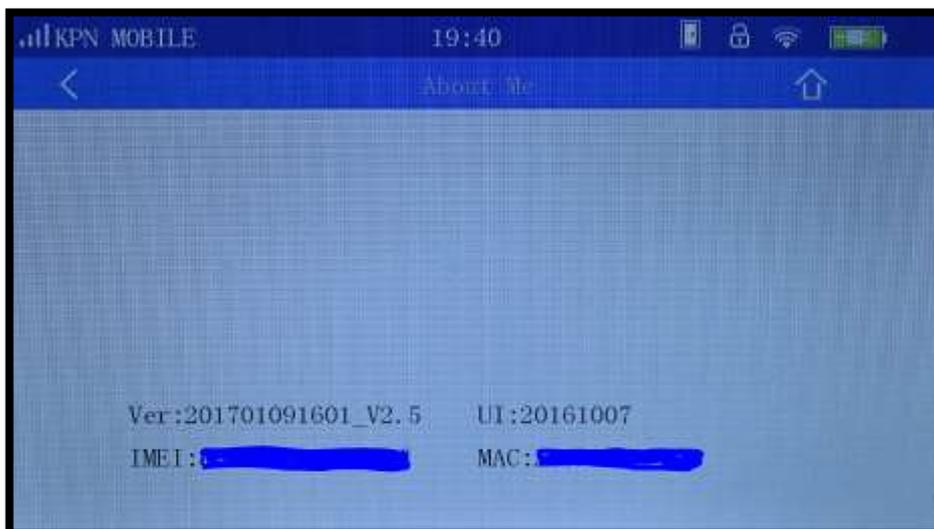
As shown in Picture 11-21. This page shows the 15 most recent alarm events by the alarmed zone, date, time, etc.

ID	Zone Detector	Date	Time
01.	97 Zone Detector 01	Jun. 19 2017	19:53
02.	97 Zone Detector 01	Jun. 19 2017	18:22
03.	97 Zone Detector 01	Jun. 17 2017	18:22
04.	97 Zone Detector 01	Jun. 17 2017	17:12
05.	18 Zone Detector 01	Jun. 17 2017	16:52
06.	97 Zone Detector 01	Jun. 17 2017	15:33

Picture 11-21

11.19 About me

In the page 'About Me', the Version No, UI, IMEI and MAC address are shown.



Picture 11-22

12. SMS Setting and Command Chart

In addition to change settings through host menu or the K7 app, SMS using a phone or other device can be used to set panel settings using SMS codes. The syntax is as follows:

[System Password][Command No][parameter 1][parameter 2][parameter 3][parameter 4][parameter 5]

All commands begins with system password, in below chart the system password is 123456. Make sure you change the default system password, to prevent others from changing your alarm settings.

Also enable the SMS Reply function so you will receive a conformation reply SMS.

Setting name	Command No	Parameter 1	Parameter 2	Parameter 3	Parameter 4	Parameter 5	Example code (Setting changed)
Disarm	0						1234560 (Disarm)
Arm	1						1234561 (Arm)
Stay Arm	2						1234562
Call the panel or monitor	3						1234563 (Call back the panel)
Wireless Socket On	4						1234564 (Ganged Socket On)
Ganged Socket Off	5						1234565 (Ganged Socket Off)
Query Status	6						1234566 (Inquiry arm/disarm, power., linkage socket)
Set Phone No.	10	01~08 no.01~08 phone number	13899998888	123 Alarm Tel Alarm SMS CID			123456100113899998888, 12 (Sets the first phone number for call/SMS)
Delete Phone No.	11	00 or 01~08 Do not delete all phone numbers!					1234561005 (Deletes the No.5 phone number)
Check Phone No.	11	No1~8					1234561108 (Checks No.8 phone number)
Set the Zone Type	12	no.01~99 zone	1- Siren when arming 2-Do not Siren when arming	1-Normal zone 2-Stay zone 3-Smart zone 4-Emergency zone 5-Close zone 6-Doorbell zone 7-Elder Zone	1-Medical 2-Fire 3-Robbery 4-Silence 5-Burglar 6-Perimeter 7-Gas		12345612511141 (Sets 51 zone, Siren, common, silent)

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Check Zone Type	12	01-99 Zone					1234561255 (Check No.55 zone type)
Set the Remote Control sound	13	no. 01~99 remote control	1-Sound on 0-Sound off				12345613200 (No 20 remote control without sound)
Check the Remote Control	13	No.01~99 remote control					1234561333 (Check Sound of No. 33 Remote Control ON/OFF)
Control Appliances	14	No.01-20 smart socket	1-Close 0-Off				12345614011 (No. 1 smart socket Closed)
Check Appliances	14	No.01-20 smart socket					1234561405 (Check no.5 smart socket)
Appliances timing setting	15	No. 01-40 Timing	01-20 Smart Sockets	1 - Timing close 0 - Timing open	08:00 Time	1234567 Week	123456150103108001234 5 (Set no.1 group Timing, at 8:00 on Day 1 No. 3 Smart Socket Timing Close)
Delete Scheduling Appliance Setting	15	00 or 01-40 (00 deletes all timing settings)					1234561502 (Delete second Group Appliance Timing)
Check Scheduling Appliance Setting	16	01-40 Scheduling Group					1234561601 (Check the first Group Appliances Timing Set)
Delay Setting	17	1-Delay Alarm 2-Delay Arm	0~255				12345617136 (Sets Delay Alarm Period as 36s)
Check Delay Setting	17	1-Delay Alarm 2-Delay Arm					123456172 (Check Delay Arm Period)
Scheduling Arm/Disarm Setting	18	01-08 Scheduling Group	1-Timing Arm 0-Time Disarm	08:00 Time	1234567 Week		12345618011080012345 (Set the first group at 8:00 on day 12345)
Delete Scheduling Arm/ Disarm Setting	18	00 or 01-08 Scheduling Group (00 deletes all timings)					1234561802 (Delete the second Group Timing Arm/Disarm)
Check Scheduling Arm/ Disarm Setting	19	01-08 Scheduling Group					1234561901 (Check the first Group Timing Arm/Disarm Set)
Time &Date Setting	20	20160127	203000				123456202016012720300 0 (Set Time as 20:30:00 on

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							27 Jan. 2016)
Check System Time and Date	20						12345620 (Check System Time& Date)
Set Volume	21	1-Voice 2-Volume 3-Alarm 4-Volume	1~7 (Level)				1234562125 (Set Alarm Volume Level as 5)
Check Volume	21	1-VoiceVolume 2-AlarmVolume					123456211 (Check Voice Volume)
Set Alarm Siren Period	22	0-20Mins					1234562205 (Set Alarm Siren Period as 5 minutes)
Check Alarm Siren Period	22						12345622 (Check Alarm Siren Period)
Set Ringing Times	23	00-20					1234562308 (Set Ringing 8 times)
Check Ringing Times	23						12345623 (Check Ringing Times)
Set Password	24	1-UserPassord (4digits) 2-System password (6digits)	1234 or 123456				123456242345612345678 (Set User Password as 345678345678)
Check Password	24	1-User Password 2-Admin Password					123456241 (Check User Password)
Set CID Number	25	1234 (4digits CID No)					123456251234 (Set CID Number to 1234)
Check CID Number	25						12345625 (Check CID Number)
Set Arm/ Disarm Upload Center	26	123/0 1-Arm upload 2-Disarm upload 3-Stay upload 0-No Upload					1234562613 (Set Arm, STAY Upload, Disarm Not Upload) 123456260 (No Upload)
Check Arm/ Disarm Upload Set	26						12345626 (Check Arm/ Disarm Upload Set)
Set Zone SMS Message Content	27	01-99 (1-99 Zone)	ABCDEFGG (SMS Contents less Than 25				1234562705ABCDEFGG (Set Zone 5 Alarm Message) (Content as ABCDEFG)

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			characters)				
Check Zone SMS Message Content	27	1-99 Zone					1234562705 (Check Zone 5 Message Content)
Arm/Disarm SMS	28	123/0 1-Arming form 2-Disarm inform 3-Stay inform 0-No inform					1234562812 (Set Arm, Disarm Inform STAY not Inform) 123456280 (No Inform to Arm/Disarm)
Check Arm/Disarm SMS Inform Set	28						12345628 (Check Arm/Disarm SMS Message Inform Set)
SMS reply set on/off	31	0-No Reply 1-Reply					123456310 (Set SMS Inform when Read, Not Disarm)
Mobile Network setting	32	0—Off 1—On	Access point	Server IP	COM port	Account No (Six-digit)	123456321,CMNT,,,121.5 0.34.7,6501,000123 (When the mobile network on, Access point is CMNT,Server IP 121.50.34.7, COM Port 6501, Account 000123)
Set Ready To Arm	33	0-Close 1-Open					123456331 (Open Ready To Arm)
Set Ganged Siren Ganged Socket	34	1-Wireless Siren 2-Smart Socket	0-Ganged 1-Not Ganged				12345620 (Set Socket Not Ganged) 12345611 (Set Siren Ganged)

13. GPRS Management

A network alarm client management software is released by our company, which is low cost but powerful and can be used by alarm centers, security service companies, police, military, financial industry, museums and other environments.

13.1 Login Management Center

Management host is also called Management terminal, which is one important man-machine communication platform. On this platform users can deal with alarm events, user management, event operation, document management and so on.

Start the management terminal by double-click the icon of management terminal on desktop.

Input the code and password of operator, and IP address, click "Confirm", the main menu of software will appear after the data loaded.

13.2 Add new user

Click "Add new user" in "User management", one "add new user" message pop up

Choose the type of device: KR-8218E, click it to show in the frame of device type. Choose the partition number, input the account of device, click "Confirm", one new user record will be built in user data, and it will appear in the users window.

13.3 Alarm System Networking

Send one SMS to the alarm system, set the connecting point of network and IP address of data service, port number and account. The SMS format is:

<password>+<32>+<0/1>+<network access point,>+<IP Add>+<,port,>+<account>

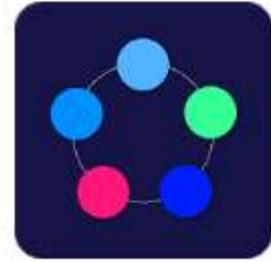
For example: 123456321, CMNT,121.50.34.7,6501,000123

123456	default password
32	setup instruction
1,	turn network
CMNT,,,	network access point
121.50.34.7	IP Address
,6501,	port
000123	the account.

- Noted:
1. all "," in the instruction must be input in English status.
 2. The account for management terminal must be the same with the alarm system account.

14. APP K7

There is an app called K7 available for Android and iOS to remotely use and configure the KR-K7 alarm panel. There are two ways to connect the app, by phone (worldwide coverage) or by WIFI (Local). Within the app you can switch between connection easily so you can use both at the same time, so WIFI when at home and phone when away.



Connection using Phone: No need for a WIFI connection, but you need to have a 2G/3G sim card installed in the KR-K7 panel, because the app sends actions towards the KR-K7 using SMS and the panel receives and answers by sending SMS messages back to your phone. Besides SMS also the phone connection can be used to contact the KR-K7 panel in order to 'listen' or see what is happening. So make sure you have enough SMS credits on your sim for both phone and panel.

Connection using WIFI: You need the KR-K7 panel to be connected to the same WIFI network as your phone. No additional costs

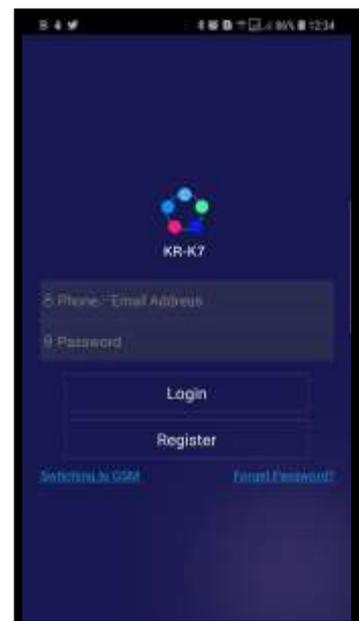
Scan the QR code to download the app or search "K7" in App Store.



After installation you need to register an account or connect your mobile phone during first use of the app. For example: Android Version, there are two ways: Mobile Number and Email register

14.1 Phone Register

When register by phone select the 'Switch to GSM' option. Notice: verification code will be sent to the phone in 60 seconds through message. If not received, please re-access.



Host number: Enter the telephone number of your Sim card installed in the KR-K7 panel.

User name: Set a user name

Password (confirm): Enter the password of your admin account on the KR-K7 panel

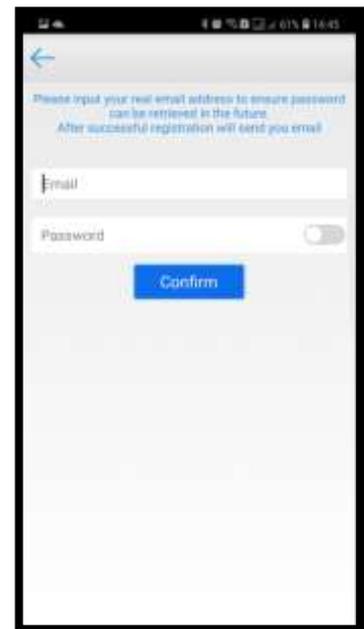
Press the checkmark in the top right corner



14.2 Email Register

Email register is needed to make sure that your password can be retrieved in the future.

Notice: There isn't need verification code in email register. Please make sure use effective email address.



14.3 Binding equipment

Under App page, If the device shows under {on-line device page}, after clicked on the {unbound device page}, it means successfully. Mobile phone can detect the other device automatically under the LAN.

Online device: The device enters the network successes, and the network well, the cell phone bind with network. When connected by phone it will show as 'remote online', when connected by WIFI it will show as 'LAN online'.

Unbound device: The device enters the network successes, and the cell phone connects with the network well, but the device didn't bind with the cell phone at before.

Off-line device: The device enters the network successes, and cell phone had already bound with network, but the device didn't enter the network.



14.4 Password of Device

Clicked on any device under (On-line devices), input correct passwords (original password: 123456), click OK, you will enter into the operation interface. You can operate the control panel in any place which without network.

14.5 Operation Control Panel in WIFI mode

After you enter App operation interface, there are four selections in the top part:

In the top part of the interface you have:

Scheduled socket: Here you can set 4 groups socket with regularly on and off function. You can select any group in 20 sockets

Alarm Phone: See and configure the phone numbers for alarm notifications

Alarm Logs: See the history of latest 15 alarms

Area settings: There are 99 difference zones that you can modify the name according to your requirements.

In the middle part of the interface you have:

Smart socket: Under home appliance page, each socket has a touch switch; means" on & off". You can edit the name of socket, when you click on the button of socket.

Remote monitoring: You can add high-definition network cameras by start adding a video device. Click 'Next', enter the Wi-Fi password to connect with phone. After a successful connection it can be viewed through the phone.



In the lower part of the interface you have the three functions:

Disarm: To disable the Arm or Stay arm mode remotely

Arm: To enable the Arm mode remotely

Stay arm: To enable the Stay arm mode remotely

14.6 Device Property

In the top right part of the app you can select the device property function. Here you can setting the property of control panel. It included" Device Name", "Device Password", "Voice" {Delete}

Device name: Here you can see and edit the device name of the KR-K7 panel.

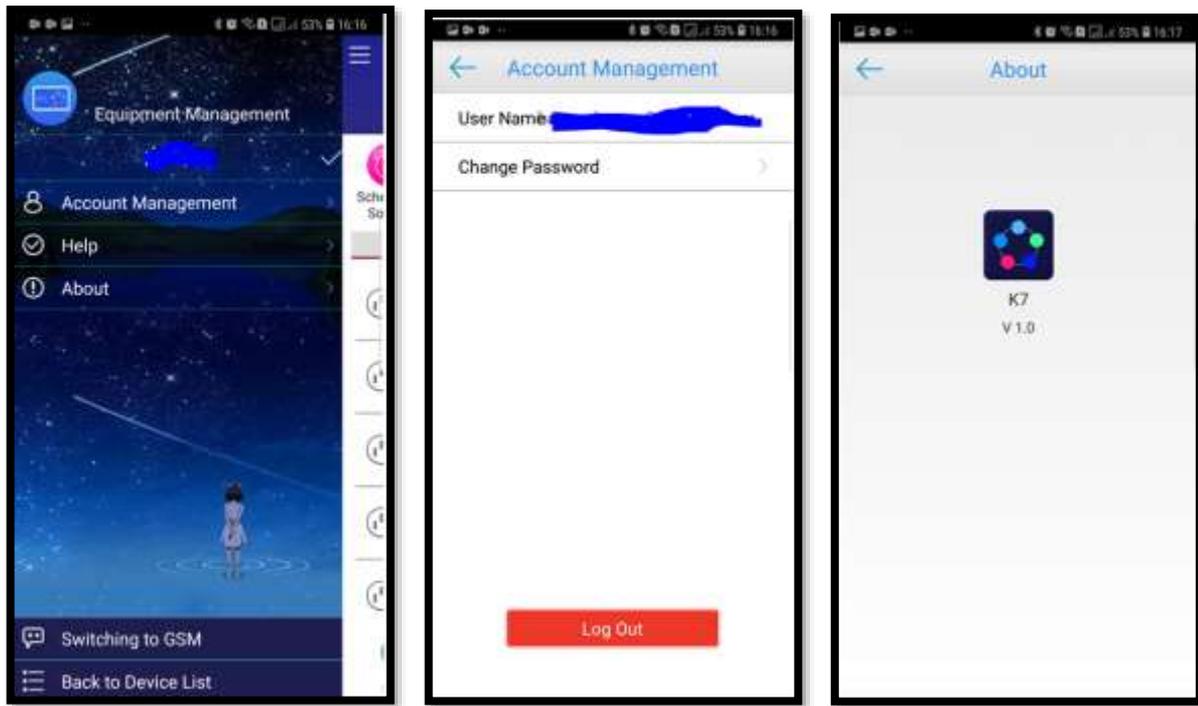
Device Password: Here you can change the password. The original password is 123456.

Alarm voice activated switch: When on, the app arming with voice.

Delete: Clicked on the delete button, you can remove the binding state of the device (after removing equipment).

14.7 System setting

In APP page, click **【】** to enter the [System Settings] page. In System Settings page, there are[Device Manager], [Account Management], [help], [on], [switch to GSM equipment list] and [return] 6 functions:



Equipment Management: Click [Device Management] into the device management page or the drop-down menu, you can choose to use different alarm host;

Account Management: Click to enter the [User Management] page, change the user password; click on the page [cancel] key, you can log off, when APP open again, need to re-enter your user name and password.

Help: Gives some answers on FAQ.

About: Shows the current K7 app version number.

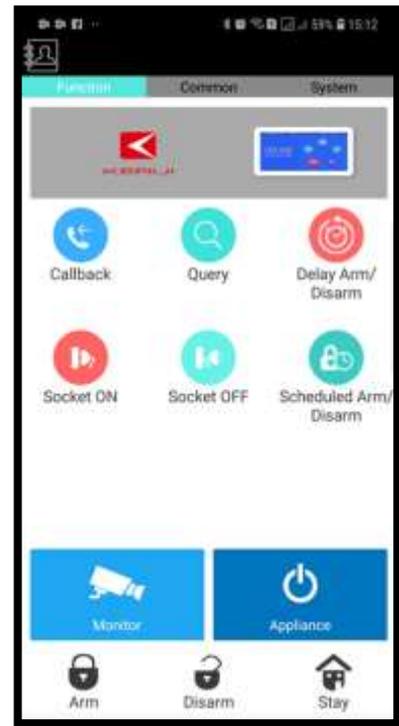
Switching to GSM: Click it, turn to host GSM alarm settings Users page.

Click , the user can add GSM mode

Click  to switch to WIFI mode.

14.8 Operation Control panel in GSM Mode

In GSM mode the control panel is a little different to that of the one in Wi-Fi mode. This is because the function are not all equal due to a different way of communication with the KR-K7 Panel using SMS codes. Setting instruction sent in GSM mode by SMS, the alarm host will receive a text message, the panel will "drop" a sound, and automatically reply a SMS message to mobile phone when the setting is successful.



To set the alarm number for example:

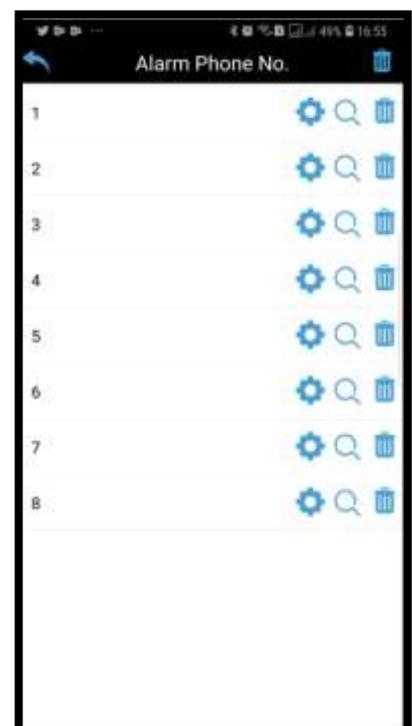
In the Common page, click 'Alarm Phone No' to enter alarm number Settings page. This page can set 8 alarm numbers, by clicking on the gear symbol. Enter receiver phone number, and select Alarm Phone and/or Alarm SMS, or CID only. When finished, click 'Confirm', to send the configuration(by SMS) to the K7 panel SIM. The KR-K7 Panel will sound a "di" and respond with a reply SMS message:

<Position No>:<Phone number>,<Alarm setting>

Pressing the lens glass will send an request to the KR-K7 to reply with the current setting. The Panel will sound a "di" and respond with a reply SMS message:

<Position No>:<Phone number>,<Alarm setting>

Pressing the trash can will delete the position. No SMS reply is sent by the host panel.



When sliding from left to right a menu is opened that shows:

User name: The name of the logged in user

Host: The host name

Password: The Password

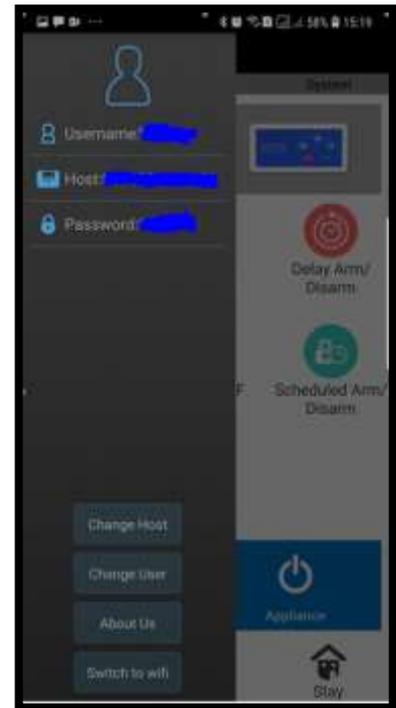
In the lower part of the menu shows:

Change Host: Ability to change to another host

Change User: Ability to change the user

About us: The manufacturer of the alarm panel

Switch to WiFi: Switches to the Wi-Fi connection.



15. Measures after Receiving Alarm

When there is an alarm the host will dial the preset phone number and text an SMS message automatically and siren the alarm according to the setting. If the owner's phone is busy or couldn't be connected the host will dial the next alarm phone number and it will dial all the preset phone numbers 3 times repeatedly. The recording will be displayed after the alarm phone call answered.

User can press the number keys on the phone to realize the corresponding control.

Key [1]: Arm	Key [2]: Disarm
Key [3]: Turn On Monitor	Key [4]: Turn Off Monitor
Key[5]: Turn On Speaker	Key[6]: Turn Off Speaker
Key[7]: Alarm Siren	Key[8]: Turn Off Siren
Key[9]: Turn on linkage Socket	Key[0]: Turn Off linkage Socket
Key[*]: Exit and hang up.	

Remark: If key "*" or "2" are not pressed the host will continue to dial next alarm receiving number.

16. Remote Control via Phone

User can use any telephone or mobile phone to dial host, and it will be connected automatically after ringing, user hears "please input password" and then inputs the password (the password is the host admin password). User will be prompted to re-enter if the password is wrong, and host will hang up after 3rd wrong attempts. When entered correctly the user can hear "password is right" and needs to press the number key below to activate the related control function:

Key [1]: Arm	Key [2]: Disarm
Key [3]: Turn On Monitor	Key [4]: Turn Off Monitor
Key[5]: Turn On Speaker	Key[6]: Turn Off Speaker
Key[7]: Alarm Siren	Key[8]: Turn Off Siren
Key[9]: Turn on Linkage Socket	Key[0]: Turn Off Linkage Gang Socket
Key[*]: Exit and hang up.	

After inputting administrator password, user press key # to enter phone to enter the remote control function in which settings can be performed by using specific keys (press [01-20]+[0/1] to control the ON/OFF of 01-20 groups smart sockets ([0/1] 0 means OFF, 1 means ON).

17. System Parameters

17.1 System Factory Default Zone Type

Normal Zone	Stay Zone	Intelligent Zone	Intelligent Stay Zone	Doorbell Zone	Welcome Zone	Emergency Zone
01-59 Zone	60-79 Zone	80-89 Zone	90 Zone	91 Zone	92 Zone	93-99 Zone

17.2 System Factory Default Value

Administrator Password	123456		Send SMS Message	ON
User Password	1234		Ringling Times	1 time
Illegal Arm	OFF		Remote Control SNS Sound	ON
Alarm Siren time	60 sec.		Delay Alarm	0 Sec.
Delay arm	0 sec.		1-99 Zone Alarm	Alarm Siren
Sleep time	30 sec.		1-99 Zone Message	XX Zone Alarm

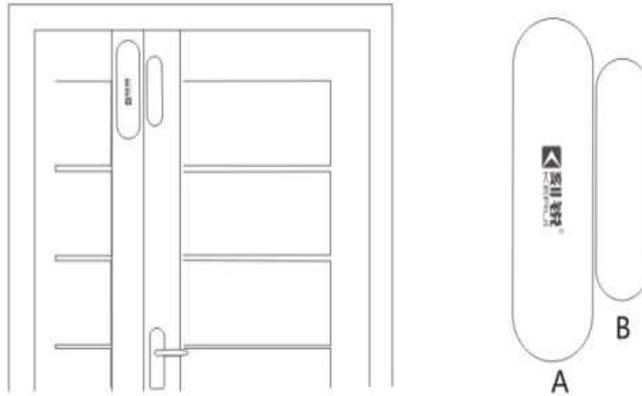
17.3 System Technical Parameters

Input Voltage:	DC 5V
Standby Current:	<50mA
Alarm Current:	<450mA
Wireless Frequency:	433MHz
GSM Standard:	Support GSM850/900/1800/1900MHz
Back-up Battery:	DC3.7V/2000mAh High Capacity LI Battery
Alarm Loudness:	80dB
Accessories Parameters:	This alarm can be compatible with EV1527 sensors. When using EV1527, vibration resistance is supposed to be 150K-470K.

18. Installation and Usage of Sensors

18.1 Installation and Use of Door Sensor

Door sensor makes use of magnetic induction to detect close and open state, and consists of a transmitter (A) and a magnet (B). It can be installed on doors, windows or any object that can be closed and opened. When the transmitter is separated from the magnetic, the transmitter will send an alarm signal to the alarm panel, and host begins alarm siren.



The magnet (B) should be installed on the movable part of the door or window. Firstly, clean the corresponding position, and take out wireless door sensor, then put on the double faced adhesive in the bottom. The installation should note the items below:

The transmitter (A) (transmitter) and part B (magnet) should be installed on the fixed part (frame) of the door or window. Make sure that:

1. A and B should be in the same vertical line
2. The arrows on the side of both units are pointed to each other.
3. The distance between A and B should not be less that 2mm and not be greater than 1 cm.

After the installation, the indicator light flashes for 1 second as the door opens, meaning the door sensor is installed successfully. If the indicator light does not lit for one second or is constant lit suggests a lack of power. The installation can also be reinforced by screws by removing the bottom cover, then screw the bottom and buckle the cover to the bottom.

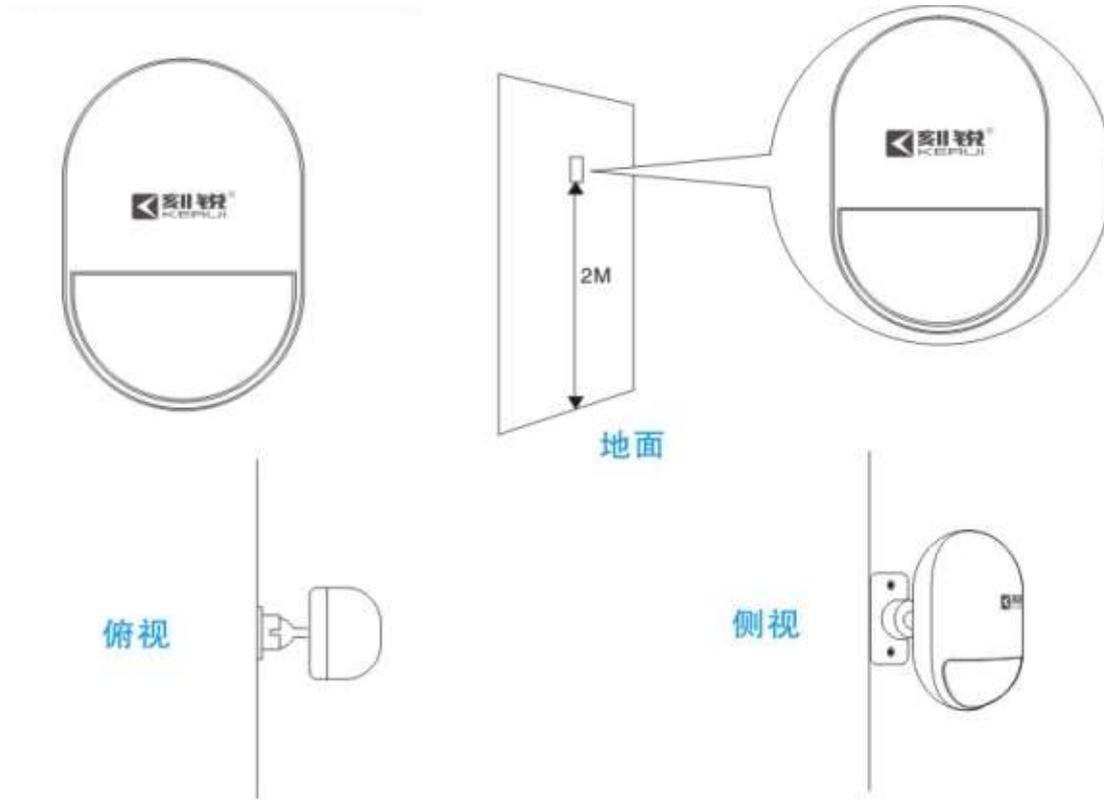
Make sure not to break the black tamper switch lever.

18.2 Replacing the battery

When you receive low battery warnings (by SMS) the battery needs to be replaced.

First remove the sensor from the zone on the host, in order to prevent the tamper switch from activating the alarm. Remove the cover gently from the sensor by placing a flat screw driver into the hole on the short edge of the sensor. Lift the cover a little and pull it straight from its mount in order to prevent the black tamper switch lever from breaking. Install the new battery and buckle the cover (the arrows on the side of both units should pointed to each other) to the bottom in a straight way until it clicks in place. Add the sensor to the zone on the host and check its operation.

18.3 Installation and Use of PIR Motion Sensor



Open the power switch before using. Installation height is about 2.2 meters above ground and it should be installed in the corner of the room to get the best detection range and should form a certain angle with the indoor walking line at the same time (90 degree angle with people walking direction is best for detection)

Installation:

Take out mounting bracket; press the bracket to the slot in the sensor bottom. Find the base and reinforce it with two screws in the wall. Press the PIR with bracket into the center hole of base. and then adjust the best angle of detecting. (This method is suitable for project installation)

Attention:

1. Sensor should not face the outside of window directly.
2. Within coverage of detection, there should be no any big objects for obstruction.
3. There should be no two infrared sensors in the same space as they will possibly intervene with each other.
4. Avoid facing window, cooling or warming machines, stoves, or other appliances that cause the temperature changing sharply and thus cause false alarm.
5. Infrared sensor are indoor use and couldn't be used outdoor.

19. Other sensors that can be used



Smoke sensor



Wired siren



PIR room sensor



PIR curtain sensor



Wireless siren



Outdoor siren



Emergency key



Sensor repeater



Gas detector



Smart socket



Water detector



Emergency button



Camera



Shock sensor



Doorbel

20. Trouble Shooting

Troubleshooting	Reasons	Methods
1. No dial for alarm	<ol style="list-style-type: none"> 1. No arming 2. Alarm phone unset 3. Parts improperly installed, distance too far 4. Code no match 	<ol style="list-style-type: none"> 1. Perform arming operation 2. re-set according to the specification 3. coordinating the location of parts 4. re-coding
2. Host can't read SIM card or won't dial and text to preset alarm phone number	<ol style="list-style-type: none"> 1. No SIM card 2. PIN code is set for SIM card 3. Bad GSM signal 4. SIM card has scratched copper 5. Alarm phone number unset 6. Message Alarm number unset 7. Card balance is insufficient or out of date 8. Message function is OFF 	<ol style="list-style-type: none"> 1. Insert SIM card 2. Cancel PIN code 3. change to a strong signal place 4. change to a normal SIM card 5. set alarm phone number 6. set message alarm number 7. charge SIM card 8. activate the message function
3. Can't remote operate	<ol style="list-style-type: none"> 1. Input wrong password 	<ol style="list-style-type: none"> 1. Correct password or change to a new password or restore to factory default
4. No ISD recorded voice prompt when alerting	ISD Voice prompt un-recorded	Record it again according to user manual
5. Remote Controller not working	<ol style="list-style-type: none"> 1. Coding unmatched with the host 2. Insufficient power 3. Battery pieces poor contact or corroded 4. Unmatched with host 	<ol style="list-style-type: none"> 1. re-coding 2. change battery of the same type 3. eliminating the dirt on the pieces caused by corrosion 4. contact the local dealer to change the matched remote controller
6. PIR sensor not work	<ol style="list-style-type: none"> 1. coding unmatched with the host 2. insufficient power 3. battery pieces poor contact or corroded 4. unmatched with host 	<ol style="list-style-type: none"> 1. re-coding 2. change battery of the same type 3. eliminating the dirt on the pieces caused by corrosion 4. contact the local dealer to change the matched remote controller
7. Siren no sound	<ol style="list-style-type: none"> 1. internal siren is OFF 	Enable internal siren
8. Transmitter distance for host is shortened	<ol style="list-style-type: none"> 1. a nearby emitter is sending code 2. host receiver stop work 3. standby battery of the host insufficient 	<ol style="list-style-type: none"> 1. find the interfering source and eliminate it 2. post back to the factory for amendment 3. check host power whether plug well
4. Host no Voice prompt	<ol style="list-style-type: none"> 1. Voice prompt function is OFF 	<ol style="list-style-type: none"> 1. Enable voice prompt function

21. Sensor Zone list

Zone	Sensors	Siren	Attribute	Event code
01	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
02	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
03	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
04	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
05	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
06	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
07	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
08	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
Zone	Sensors	Siren	Attribute	Event code

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09	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
10	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
11	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
12	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
13	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
14	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
15	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
16	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		

Zone	Sensors	Siren	Attribute	Event code
17	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
18	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
19	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
20	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
21	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
22	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
23	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		
24	1. 2. 3. 4. 5.	On/Off On/Off On/Off On/Off On/Off		