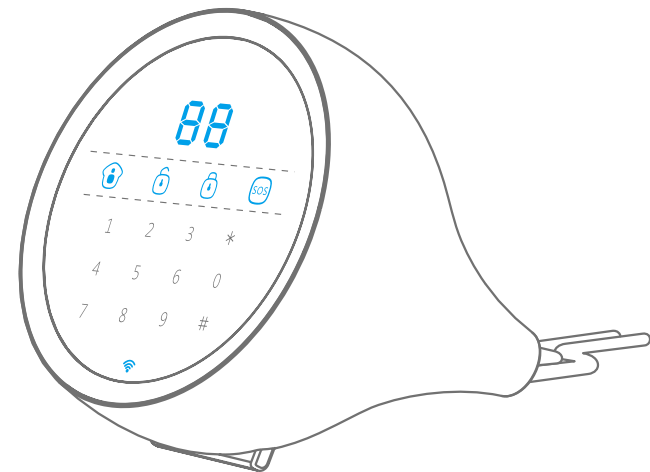


smanos®



W100

WiFi/PSTN
Alarm System
User Manual

Foreword

Congratulations on buying this smanos W100 alarm system. Installing the smanos W100 alarm system is easy and quick. Before using the product we recommend reading the manual first. There are some parts of the installation which have to be done in the right order to complete the installation successfully.

Please read this manual carefully before using.

Please keep it properly for future reference.

Please use the product properly.

Features

Powerful

Support entry and exit delay

Support 6 emergency numbers

Expandable up to 30 sensors, 10 remote controls

Built-in battery standby up to 12 hours

High reliability

1,000,000 RF codes combination

110dB siren deterrence

User-oriented

LED screen with disguise keypad

Delete accessories by type

Phone call & smartphone App control anywhere

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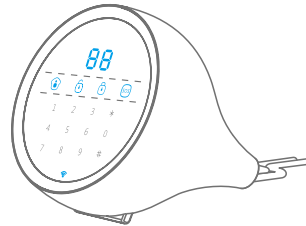
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Included Accessories

Please check whether the package contains the following items. If not, please contact the retailer.

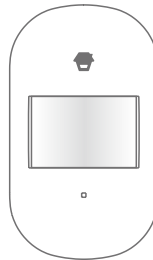
W100 Alarm Panel x 1

W100 alarm panel is the "heart and brain" of the whole system, which is for receiving and processing the signals from wireless detectors and remote controls. When the alarm is triggered, the sound can deter intruders on site and there will be send a push message to the application on your smartphone. At the same time the control panel will call the stored emergency phone numbers. After you pick up the phone, you will be able to arm, disarm the control panel and listen through the control panel what is happening on site. You can also setup, arm and disarm the system by application.



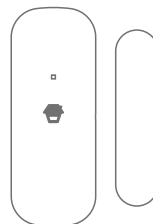
MD2300 PIR Motion Detector x 1

The motion detector uses digital dual-core fuzzy logic control processing technology and an intelligent analysis algorithm. This can prevent false alarm when the signal is being interfered. The motion detector is able to detect the temperature and movement of human bodies within an 8-meter range. When detecting human movement twice in 3 minutes, it switches to the power-saving mode automatically. After 3 minutes of no movement, it switches to the working state.



DS2300 Door/Window Contact x 1

The magnet contact can be used for doors, windows, or other devices that can be opened or closed. Once a window or door is opened (the transmitter and magnet are separated), the alarm panel will trigger an alarm.



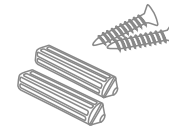
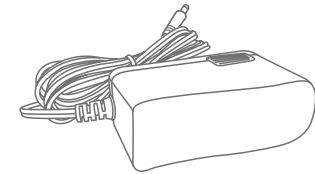
RE2300 Remote Control x 2

With the remote control, you can arm/disarm the system, set home mode, perform mute arm/disarm or make an emergency call.

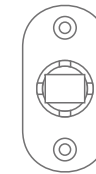


AC Adapter x 1

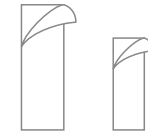
The AC adapter provides power to the alarm panel and built-in battery. When the power is off the back-up battery in the control panel will continue to work up to 12 hours.



Screw Kit x 1



Bracket for
PIR Detector x 1



Double-sided Tape x 4
(2pcs for door/window contact
2pcs for PIR sensor)



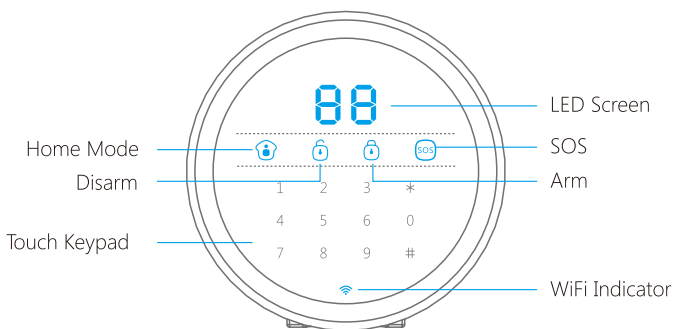
User Manual x 1



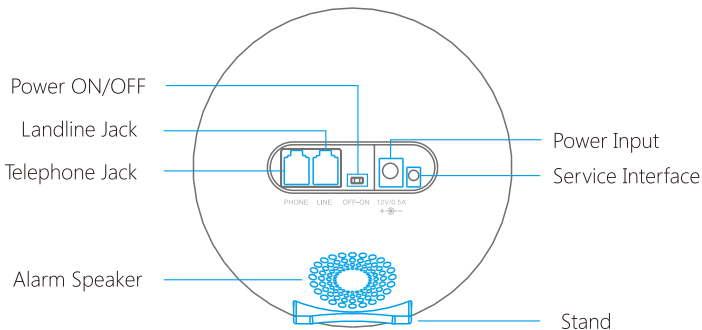
Quick Guide x 1

Overview of Alarm Panel

Front



Rear



LED Indication

LED	Meaning	LED	Meaning
"00"	SOS	"A"	*
"AP"	In network setup status	"b"	#
"--"	In setting mode	"01"	Zone 1 alarm
"rP"	Tamper alarm	"02"	Zone 2 alarm
"LC"	Line-cut alarm		

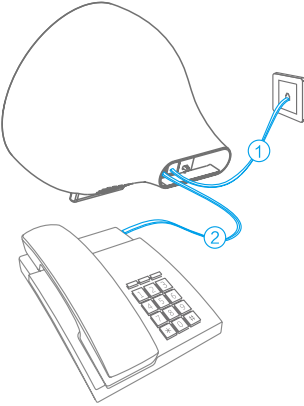
Note: The keypad will be blocked and starts flashing once in every 3 seconds in case of low battery.

Preparation Before Use

W100 is a WiFi/PSTN dual network alarm system. Once there is an intrusion, the alarm panel will first send a push message to the application and then call the stored emergency phone numbers by landline. Please make sure the alarm panel has been connected to PSTN land line to ensure safety.

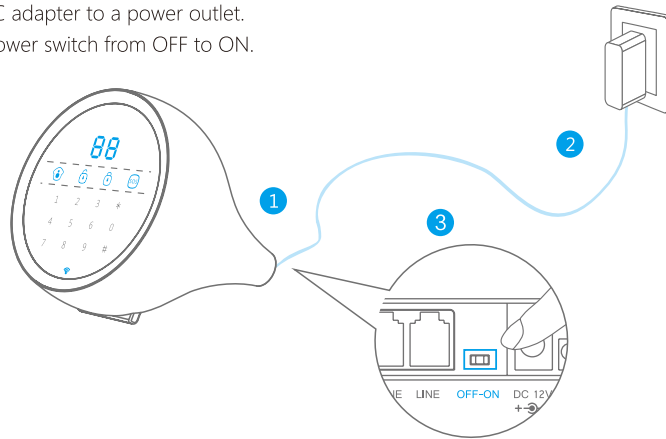
Important: W100 does not support digital telephone network, only support analog telephone network.

- ① Connect the provided telephone cable to the telephone interface of the alarm panel, the other end to the telephone.
- ② Connect the landline provided by operator to the landline interface of the W100 control panel.



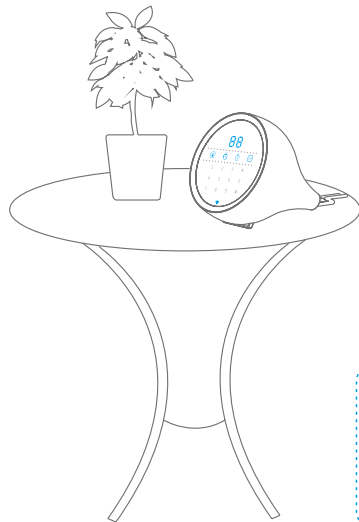
Power On

- ① Plug the output connector of AC adapter into the power jack of the control panel.
- ② Plug the AC adapter to a power outlet.
- ③ Slide the power switch from OFF to ON.



Installation

Put on the table and start to use.



Note: Avoid to use next to a load-bearing wall or home appliances which may cause attenuation. It is recommended to place the control panel in the center of the system or open area for optimal performance.

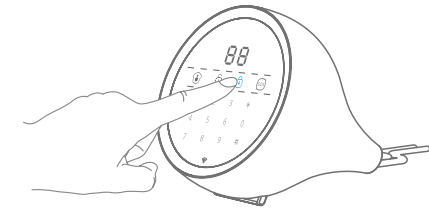
Alarm Panel Operation

If the passcode lock is turned on, input passcode (admin code or user code) to make the system arm, disarm or in home mode. If the passcode lock is turned off, input passcode only when disarming the system. The passcode lock setting is by default turned off.

Note: See details on how to set the passcode at page 22.

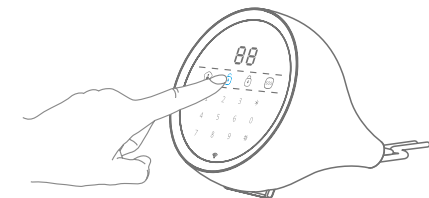
Arm

Press [Arm] button, the alarm panel beeps once and LED light turned on. The whole system is in armed status.




Disarm

Input admin code or user code, then press [Disarm] button, the alarm panel beeps once and LED light turned on. The whole system is in disarmed status.



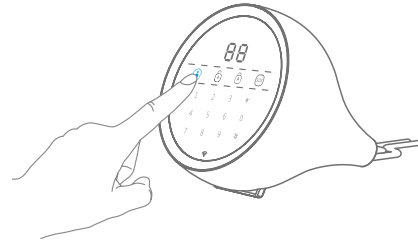
Note: The default admin code and user code are 1234. Three beeps will be heard if the passcode is wrong.

Home Mode (Part Arm)

Press [Home ] button, the alarm panel beeps once and the LED light turned on. The system is in home mode state.

In the home mode, sensors setting to home zone are in disarmed state; other sensors are still in armed state. That is, you can move freely in the home zone; however, the rest areas are still being protected.

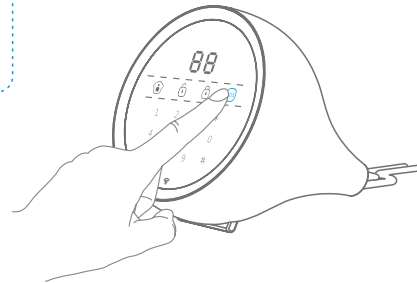
Note: The PIR detector is set to home zone by default. That is, the PIR detector will not trigger an alarm after you set the system in home mode.




SOS

In case of any emergency, you can press the [SOS] button. Whenever you press the [SOS] button on the alarm panel, the system will alarm immediately. The alarm panel will send push message with the content "Emergency alarm" and then call the pre-stored phone numbers in turn.

Note: No pass code is needed when you press the [SOS] button, no matter the pass code lock is ON or OFF.

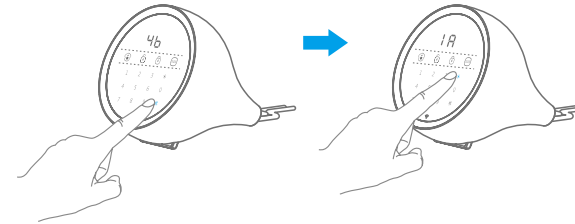


Admin Code

Input admin code, press [#] button, the alarm panel beeps once. When "--" displayed on the LED screen, it means the alarm panel is in setting mode. Input *1* new admin code* to change admin code. Press [Arm ] button to exit setting mode.


Admin code #

1 New admin code *



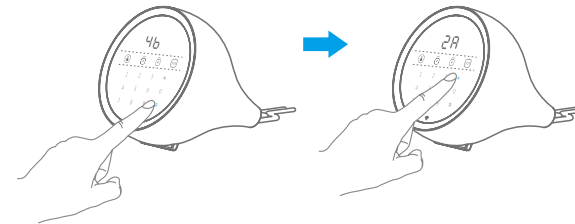
Note: The default setting of admin code is 1234. The admin code is to arm, disarm and setup system settings.
The system exit setting mode automatically when no operation is carried out in one minute.

User Code

Input admin code, press [#] button, the control panel beeps once. When "--" displayed on the LED screen, it means the alarm panel is in setting mode. Input *2* new user code* to change user code. Press [Arm ] button to exit setting mode.

Admin code #

2 New user code*

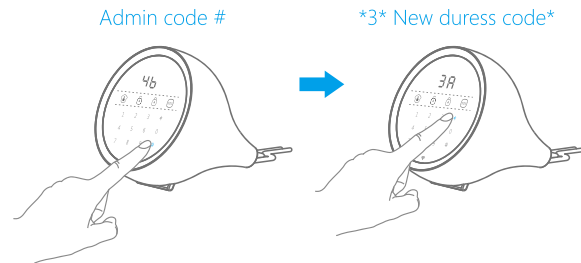


Note: The default setting of user code is 1234. The user code is to arm, disarm and stay in home mode etc.
The system exit setting mode automatically when no operation is carried out in one minute.

Duress Code

When threatened it's possible to disarm the system silently and let the system dial pre-stored phone numbers silently by using the duress code.

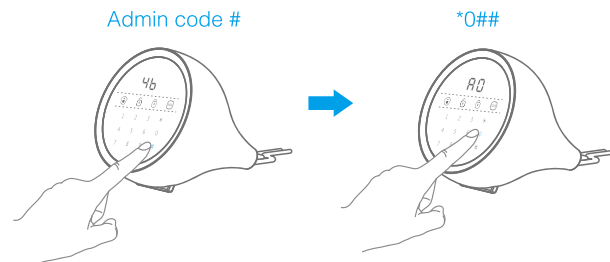
Input admin code and press [#], the alarm panel beeps once. When "--" displayed on the LED screen, it means the alarm panel is in setting mode. Input *3* new duress code*. Press [Arm] button to exit setting mode.



Note: The default setting of duress code is 1111. Admin code, user code and duress code are all consist of 4 digits.

Restore to Factory Setting

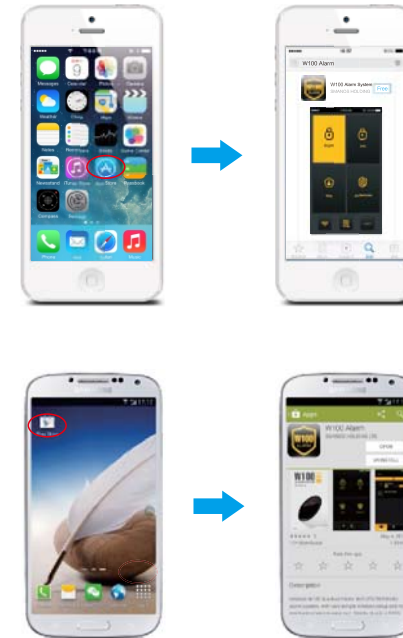
Input "*0# #" after entered setting mode. All settings except the network and connecting accessories will restore to factory setting. Please reset the pass code for safety.



App Operation

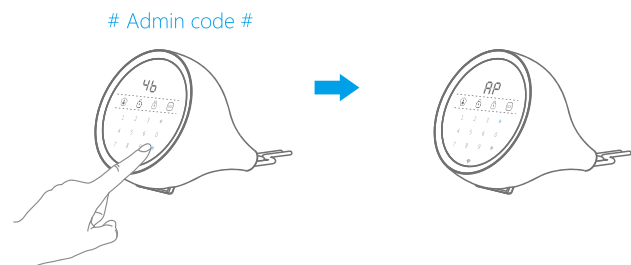
Download App

Search keyword "W100 Alarm" in App Store or Google Play. Download and install the App.



Connect WiFi to Alarm Panel

1. Press **[#]**, enter admin code. Then press and hold **[#]** again for 3 seconds, the alarm panel beeps once. When "AP" displayed on the LED screen, it means the alarm panel is in WiFi setting mode.

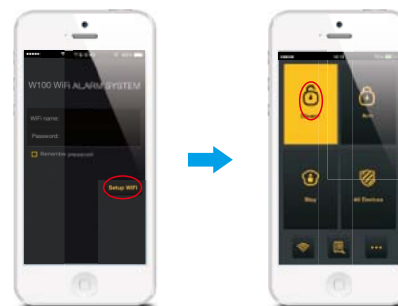


Note: Only connected with the AC adapter can the W100 use WiFi.

2. Access the menu for the WiFi setting on your smart phone, and then choose "W100".

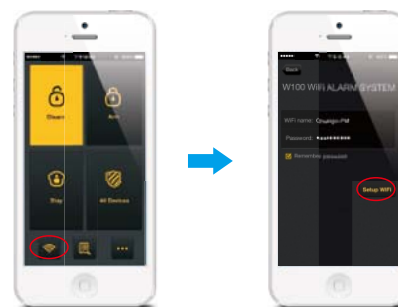


3. The WiFi setup interface appears when firstly enters the App. Input the local network's WiFi name and password, press **[Setup WiFi]**. One beep is heard from the alarm panel. When **[WiFi]** icon flashes quickly, means the alarm panel is online. Then, wait until the App enters main interface.



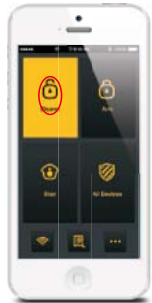
Note: Press **[*]** to exit "AP" mode.

4. If the local network that connected to the alarm panel is changed, you need to reconnect the alarm panel to a new WiFi network. Tap **[WiFi]** icon, input new WiFi name and password, then tap **[Setup WiFi]** icon to reset.

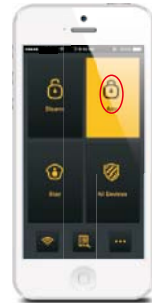


Disarm, Arm and Home Arm

Tap [Disarm] icon, the sensors synchronized with alarm panel will be disarmed.



Tap [Arm] icon, the sensors synchronized with alarm panel will be armed.



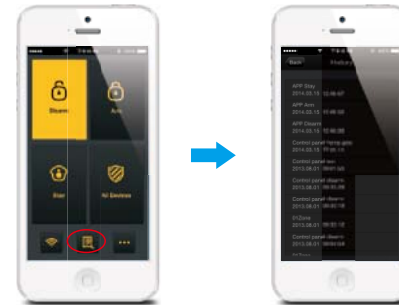
Tap [Home Arm] icon, the sensors in home mode zone that is synchronized with alarm panel will be disarmed. Other normal zone sensors synchronized with alarm panel remains in arm state.



Note: Please refer to page 16 about how to synchronize the alarm panel.

History

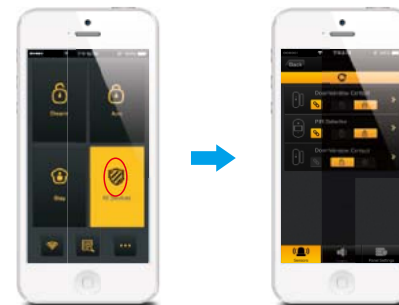
Tap [History] icon, the latest 20 records of alarm and operation information can be traced.




Note: When the control panel is off line, the time will restore to factory setting.




Accessories Setup

Tap [All Devices] icon to check and edit system settings.

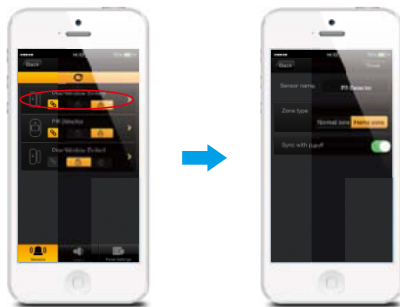


Tap [], all connected sensors displayed.
(See page 42-45 about the connecting way).



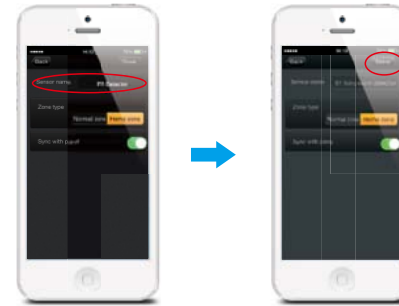
[] icon in orange means the sensor is synchronized with the alarm panel. Otherwise, it is not.
[] icon in orange means the sensor is in arm state.
[] icon in orange means the sensor is in disarm state.

Set up the sensors



① Edit sensor name

It is suggested not to exceed 20 characters.



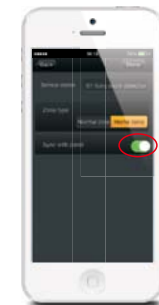
Note: When the alarm panel is alarming, the LED screen will display the number of the triggered sensors. So, in convenience of checking, it is recommended to add relative number before the name of the sensor.
For instance: 01 Door contact; 02 Living room PIR sensor etc.

② Synchronization

Choose whether to be synchronized with alarm panel or not. If you choose not to synchronize the sensors, the sensors will remain in disarm state no matter if they are in normal zone or home mode zone.

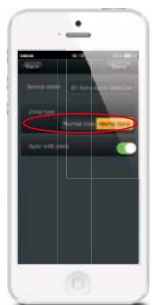
When the sensor synchronized with the alarm panel, the arm/disarm state is as follow:

Accessories	Normal Zone Sensors	Home Mode Zone Sensors
Alarm Panel		
Arm	Arm	Arm
Disarm	Disarm	Disarm
Home Arm	Arm	Disarm



③ Sensor zone

Each sensor can be placed in a zone. Three different zones can be selected. The home zone, normal zone, 24 hour zone. The zone type of the 24 hour zone sensors can't be edited.



Normal zone sensors: When the alarm panel is in arm or in home mode state, the sensors in normal zone will be in armed state.

Home zone sensors: In home mode, sensors set to home zone are in disarmed state; the other sensors are still in armed state. That is, you can move freely in home zone; however, the rest areas are still being protected. The PIR detector is set to home zone by default. That is, the PIR detector will not trigger an alarm when the system is in home mode state.

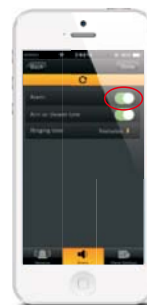
24 hour zone sensors: The detector set to 24 hour zone triggers an alarm immediately when detecting intrusion, no matter the system is armed or disarmed. Smoke detector, gas leakage detector, IR beam detector are set to 24 hour zone as default.

Wireless Siren Setup

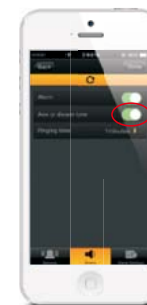
Tap [Sirens ] to enter the siren setting menu.



Slide the switch to turn on/off the siren.



Slide the switch to turn on/off the arm/disarm tone.



Edit the ring time from 0~9 minutes. After all settings finished, tap [Done]. The default setting is 1min.



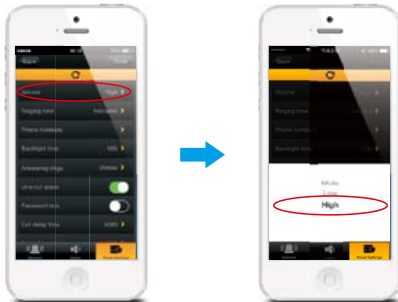
Alarm Panel Setup

Tap [Panel Settings] and enter the alarm panel setup menu.



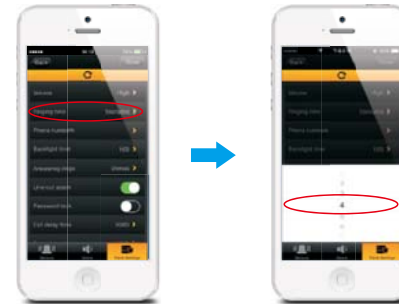
Internal Siren Volume

Tap [Volume] to choose the alarm volume level: mute, low and high. The default setting is high.



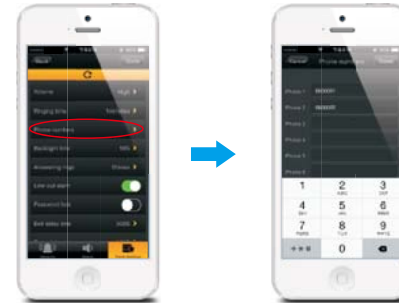
Ringling Time

Tap [Ringing time] to set internal siren alarming duration from 1 to 9 minutes. Default setting is 1 min.



Store Phone Numbers

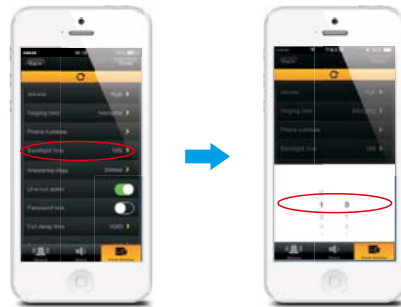
Tap [Phone numbers] to enter the interface for alarm phone number storage, 6 emergency phone numbers can be stored. When the system is triggered, it will send push message through WiFi network and make call to the pre-stored alarm phone numbers. If the control panel is connected with an extension phone, please add 9# or 0# before the stored phone number.



Note: If the WiFi network is disconnected, the alarm panel will only dial the phone number instead of sending push message.

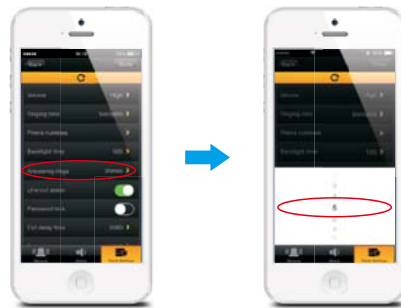
Backlight Time

Tap [Backlight time] to set the lighting time period from 0 to 99 seconds. Default setting is 10 seconds.



Answering Rings

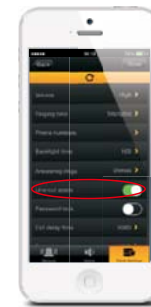
Tap [Answering rings] to set the ringing times from 0 to 9. "0" means to turn off the remote phone control. Call the phone numbers of the control panel, the control panel will enter remote phone control automatically after the set answering rings if the remote phone control was enabled.



Note: The remote phone control is turned off by default.

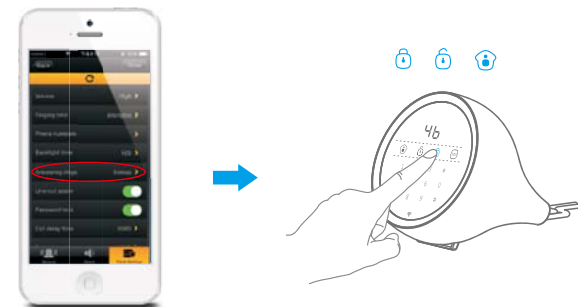
Line-Cut Alarm

Slide the switch to turn on/off the line cut alarm function. Line-cut alarm means whenever the telephone line is cut off, the system will alarm immediately.



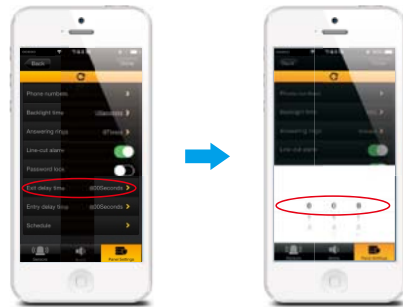
Passcode Lock

This function is to prevent users operating by mistake. Slide the switch to turn on/off the password lock. If the function is on, users need to input the admin code or user code before pressing [Arm], [Disarm], or [Home Mode] on the alarm panel.



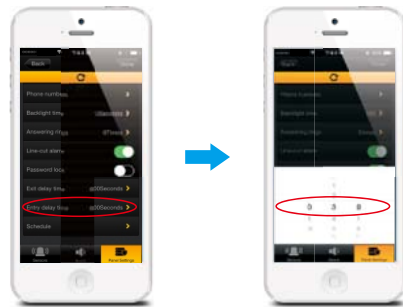
Exit Delay Time

Tap [\[Exit delay time\]](#) to set the delay time from 0 to 299 seconds for arming when exit home.



Entry Delay Time

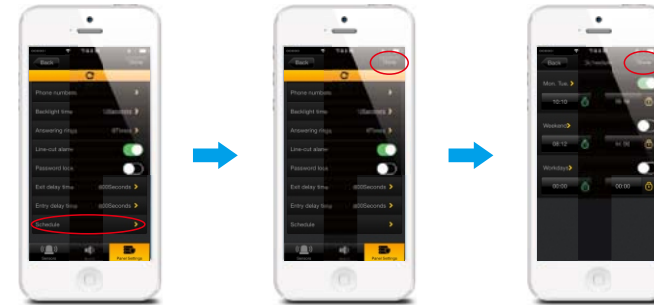
Tap [\[Entry delay time\]](#) to set the delay time from 0 to 299 seconds for alarming when enter home.



Note: If users don't want to carry along remote controls, they can set the entry or exit delay. Suppose entry delay was set at 30 seconds, the system will allow users 30 seconds to disarm the system before alarming. Suppose exit delay was set at 35 seconds, the system will allow users 35 seconds to leave before the system is armed. The 'beep' is heard every second to remind users to leave. The pace of reminding will speed up in last 7 seconds. Thus leaves the user enough time to leave the home without triggering the system.

Schedule

Tap [\[Schedule\]](#) to set the timing arm/disarm function. Time and repeat mode can be editable. Slide the switch to turn on/off the timing function. Tap [\[Done\]](#) to save the setting. 3 timing groups are available.

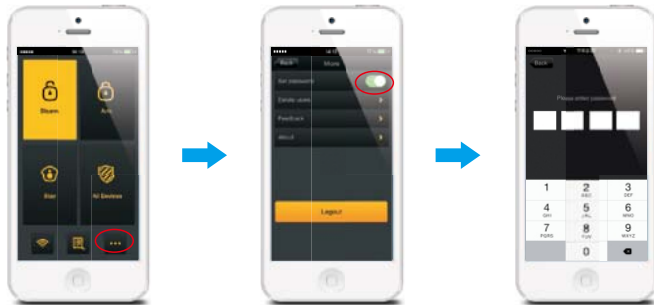


Note: Please store the information after setup by tap "Done".

Set Password For App

Tap [•••] – [Set password] to set whether to turn on/off the operation code for App.

When it is turned on, users can only login the operation interface by inputting the correct code.



Note: It is recommended to set the App code for your safety. Any App that completed the network connection with the alarm panel will receive the push message when alarming, if you don't want to receive it, please unload the App.

Delete Users

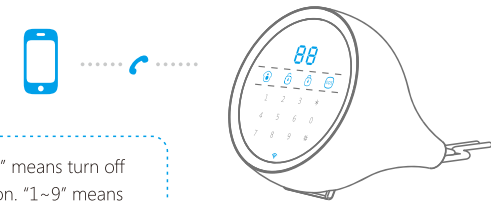
Tap [•••] – [Delete users], input password of your local WiFi, then tap [Done] . All other users will be deleted.



Note: Please make sure the mobile phone and alarm panel is in a different network when deleting users.

Remote Phone Control

Make sure the function of remote phone control is turned on. Any phone number can get access to the alarm system by dialing the telephone number of the alarm panel. After the pre-set answering rings, one beep is heard, input admin code or user code, and then press [#]. After another beep, the system enters remote phone control status. Operate the system by following the command instruction.



When set the answering rings, "0" means turn off the remote phone control function. "1~9" means turn on the remote phone control function (See page 21 to set answering rings). After receiving the alarm call, user can operate the system by enter the following command no matter whether the remote phone control is enabled or not.

Command Instruction

Function	Command	Status after the operation
Disarm the system	0	System disarmed after two beeps
Arm the system	1	System armed after one beep
Turn on siren	9	Siren turned on after one beep
Turn off siren	6	Siren turned off after one beep
Monitor on site	*	Monitor on site for 60 seconds after one beep. Press [*] to extend
To exit remote phone control	#	Beep twice, it will exit the remote control and hang up

Note: Alarm system will hang up after 30 seconds without operation.

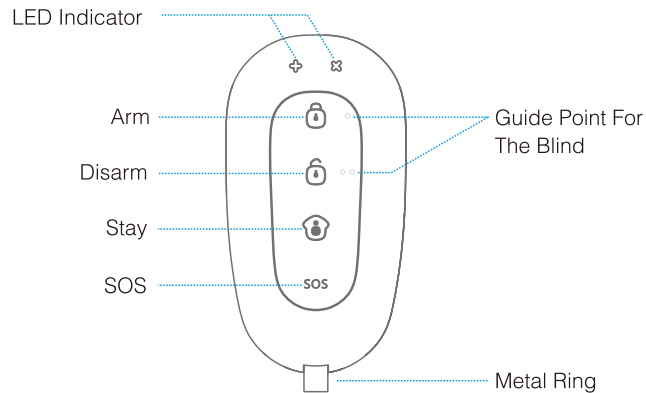
Test and Install Accessories

Accessories in this kit can work only with its own control panels.

1. Test and Operate the Remote Control

RE2300 remote control is delicate and easy to carry. It can be attached to your key ring, or just put into your pockets or purses. When you are about to exit or entry the house, you can use it to arm or disarm the system. In case of any emergency, just press the [SOS] button, the alarm will be activated immediately.

Overview

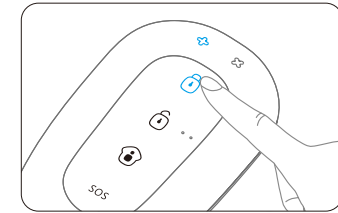


LED indication

- + LED flashes once: Armed or in home mode
- × LED flashes once: Disarmed
- + , × LEDs flashes once: SOS

Arm (Away Arm)

Press the [Arm] button. The control panel beeps once and the mode LED is on, indicating the system is in armed state.

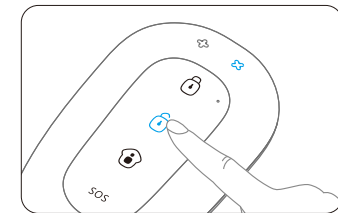


Note: If you do not want to take the remote control, exit delay can be set. For related definition and setting, please refer to page 23.
If a wireless keypad is used, you only need to enter the password on the keypad without using the remote control.

Disarm

In disarm state, the detectors (except those accessories in the 24 hour zone) will not trigger an alarm when detecting intrusion.

Press the [Disarm] button. The control panel beeps twice and the mode LED is off, indicating the system is in disarmed state.



Note: If entry delay is set, you can enter your home directly in the armed state, then disarm the system within the delay time. No alarm will be triggered in this case. If you disarm the system after the delay time, the system will trigger an alarm.