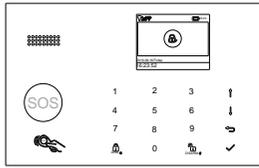




GSM/4G+Wi-Fi

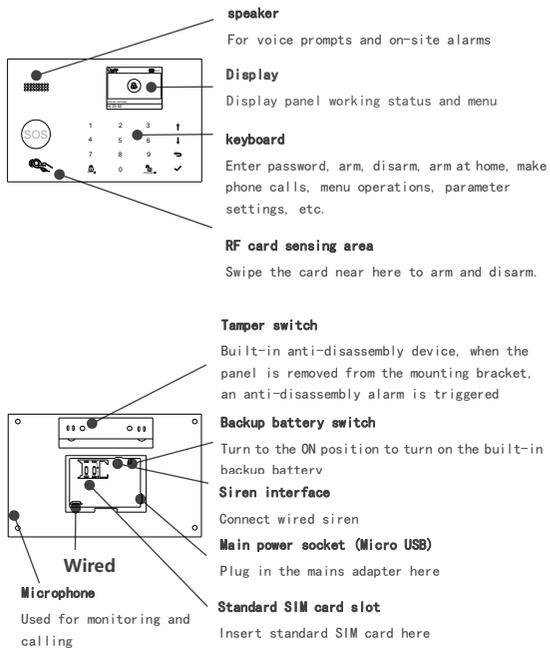
Intelligent wireless security alarm system

User Manual



Product introduction

This alarm panel is a high-performance intelligent security technology prevention product that uses GSM/4G+Wi-Fi dual communication networks to transmit alarm information. It has a 2.4-inch TFT color display, menu operation, voice prompts, 11 languages optional, advanced a completely wireless way to connect wireless sensors. The user controls the panel to arm and disarm through the keyboard, remote control, radio frequency card or APP. When an illegal intrusion occurs, the panel activates on-site audible and visual alarms and notifies the user by sending text messages and dialing the user's preset phone number.



Status bar at the top of the main interface

icon	state
	The SIM card is not inserted or inserted incorrectly
	Network field strength indication, 1~5 bars show the current field strength, all gray means no network
	White means the device is connected to Wi-Fi
	A dot displayed in the lower right corner indicates that the device has been connected to the cloud through a Wi-Fi network
	Sending text message
	Making a call
	The keyboard is locked, and a countdown is displayed for 5 seconds before locking.
	Mains power supply
	Backup battery power supply, 0~3 grid displays the current remaining power, red indicates lack of power

Arming status icon on main interface

icon	state
	Armed state
	Home armed status
	Disarmed state

Status area at the bottom of the main interface

icon	menu	effect
	System settings	
	Delay setting	
	Exit delay	Set the exit delay value, unit: seconds, range: 0~255. The default is 40 seconds.
	Enter delay	Set the entry delay value, unit: seconds, range: 0~255. The default is 30 seconds.
	Siren sounding time	Set the siren sound duration value during alarm, unit: minutes, range: 0~255. The default is 3 minutes.
	Function settings	Set function switch
	Arming and disarming	Set whether there is a sound for arming and disarming

	prompt tone	
	Alarm tone	Set whether the siren sounds when alarming
	Arm and disarm SMS	Set whether to notify users via SMS when arming or disarming
	keyboard lock	Set whether the keyboard automatically locks
	Keyboard backlight	Set whether the keyboard backlight is always on
	Button sound effect	Set whether to have sound effects when operating the keyboard
	Delay sound effect	Set whether there is a warning sound when exiting/entering the delay
	Door and window not closed warning	Whether to send a warning notification if the door or window is not closed after setting the arming function
	Vocal prompt	Set whether to be accompanied by audible prompts when arming or disarming
	Sensor low voltage warning	Set whether to send a warning notification when the sensor battery is low
	password setting	
	System password	Set a four-digit system password; used to unlock the keyboard. The default is 8888.
	user password	Set a four-digit user password; used for keyboard unlocking, APP account registration, and text message setting parameters. The default is 1234.
	language settings	Set the language for panel display, voice prompts and alarm text messages
	Simplified Chinese	Chinese
	English	English
	Deutsch	German
	Р Y C C K И Й	Russian
	Español	spanish
	Polski	Polish
	Italiano	Italian
	Français	French
	Português	Portuguese
	Ε λ λ η ν ι κ á	Greek
	Română	Romanian
	initializa tion	Parameter initialization

	Number management	Set an alarm phone number
	Alarm phone number	Set 5 groups of alarm phone numbers and dial master switch
	Alarm SMS number	Set 5 groups of alarm SMS numbers and SMS master switch
	Record query	
	alarm record	Query alarm history records
	Arming record	Query arming and disarming history records
	Accessories	Learn (pair), delete, edit accessories
	remote control	Learn, delete, delete all remote controls
	detector	Learn, edit, delete, delete all detectors
	RF card	Learn, delete, delete all RF cards
	New	Learning a new remote control, detector or radio frequency card
	Delete/Edit	Delete a single remote control or RF card Edit or delete individual detectors
	Delete all	Delete any remote controls, detectors or RF cards
	Alarm code matching	Send wireless code signal to external wireless alarm to complete pairing
	Alarm linkage socket	Send the wireless code signal to the wireless alarm linkage socket to complete the pairing
	socket	Pair with wireless socket
	code reader	Read the serial number from the wireless signal transmitted by the wireless remote control or detector. Through this tool, you can check whether the wireless accessories you learned are correct through the accessory serial number.
	Wi-Fi settings	
	Intelligent configuration	The control panel enters the Wi-Fi network configuration state through intelligent configuration mode (requires the cooperation of mobile APP)
	Unbind	Disconnect the panel from the cloud
	hotspot configuration	The control panel enters the Wi-Fi network configuration state through the hotspot configuration mode (requires the cooperation of the mobile

	recording	APP)
	Recording and playback	Recording and playback
	play music	Play the currently stored recording
	delete	Delete currently stored recording
	Recording duration	Set the recording duration, range: 1~20 seconds
	clock	
	Scheduled arming	Set daily arming time
	Disarm regularly	Set daily disarm time
	Time zone and synchronization	reserve
	Set time	Set the date and time displayed on the main interface
	Wi-Fi sync	Set whether the display time is synchronized with the mobile APP
	2G/4GSynchronize	Set whether the display time is synchronized with the 2G/4G network
	about	Display communication module firmware and IMEI number, network field strength, panel firmware, panel serial number, etc.

Installation

Panel installation location selection

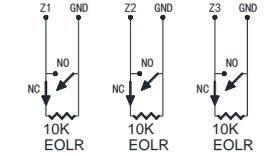
The panel should be installed as close to the entrance and exit as possible, away from metal objects or household appliances with high-frequency interference, and away from shielding objects such as reinforced concrete walls and fire doors. Make sure the mobile phone network signal at the installation location is good.

Wired zone wiring

There are 3 wired zones with tail resistors in the wiring slot on the back of the panel, which support open circuit and short circuit alarms, and the response time of the zone is 300 milliseconds. The zone uses a 10K end-of-line resistor. The maximum loop resistance of the zone plus the end-of-line resistance cannot exceed 11,000 ohms.

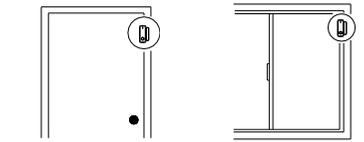
When the detector contact output is normally closed (NC), the end-of-line resistor is connected in series to one end of the contact at the end of the loop. When the detector contact output is normally open (NO), the end-of-line resistor is connected in parallel to both ends of the contact at the end of the loop.

The wiring diagram is as follows:



Notice: The end-of-line resistor must be connected at the end of the entire defense zone loop, otherwise the system may not respond when the defense zone is open.

Door and window sensor installation



Install on the door and window as shown in the picture above, aligning the center of the magnet and sensor. When the doors and windows are closed, the gap between the magnet and the sensor cannot exceed 20mm.

Human body movement sensor installation and debugging

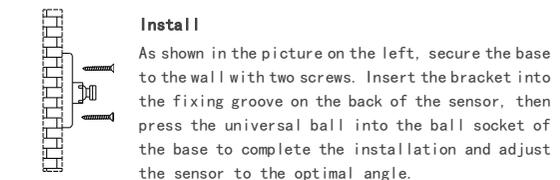
Installation height and location selection

Before use, turn the battery switch on the side of the sensor to the ON position to turn on the power. The installation height is about 2~2.2 meters above the ground. It should be installed in a corner indoors to obtain the maximum detection range. At the same time, the sensor detection beam should be at a certain angle to the route of people walking indoors (90 degrees to the direction of people walking has the best detection effect).

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Installation Precautions

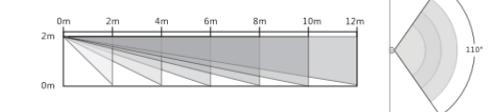
- Do not install the sensor outdoors, in a garage or on glass.
- It cannot be installed directly facing the sun, near a heat source or in a humid place. It should face the wall or floor, not windows and curtains.
- The sensor does not have the ability to sense the human body through glass.
- Try to avoid getting close to metal objects.



Install

As shown in the picture on the left, secure the base to the wall with two screws. Insert the bracket into the fixing groove on the back of the sensor, then press the universal ball into the ball socket of the base to complete the installation and adjust the sensor to the optimal angle.

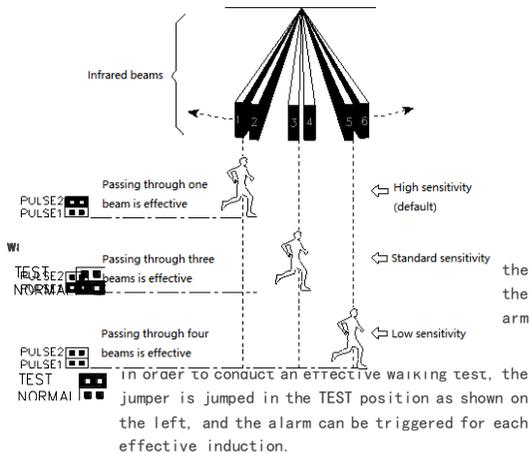
Detection beam side and top views



Jumper use

Set the pulse counter (PULSE2 and PULSE1 jumpers)

The number of alternate triggers required for each alarm trigger can be selected through jumper settings. Higher pulse counts reduce capture performance but reduce false alarms.



During the walking test, walk slowly through the coverage area of the detector and observe the indicator lights. The principle is to ensure that the detector has reliable triggering within the detection range (the LED indicator light is on as a sign). During the above test, the angle of the detector is adjusted according to the required protection area. For example: when the detector is vertical to the ground, the protection area is about 8 meters.

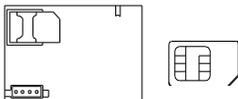
After passing the walking test, plug the mode jumper into normal mode (NORMAL) to save battery power.

If the light flashes every time it is triggered, the battery is low. Please replace the battery in time.

Indicator jumper LED OFF ON

First time use

Insert SIM card



Insert a standard large SIM card into the SIM card slot in the direction shown in the picture (notch inward, chip contact surface downward). If you hear a ticking sound, it means the insertion is normal.

When your panel is registered to the network normally, the status bar at the top of the main interface should show white; otherwise, please confirm whether the SIM card is inserted normally, whether the SIM card can be used normally, and whether the mobile phone network signal in the panel installation environment is normal.

Set an alarm phone number

Up to 5 groups of alarm phone numbers and main dialing switch can be set. When an alarm occurs, the panel dials these phone numbers.

Up to 5 groups of alarm SMS numbers and SMS master switch can be set. When an alarm occurs, the panel will send alarm text messages to these numbers.

Take setting the alarm phone number as an example:

- Select "Main Menu→Number management→Police phone number" to enter the alarm phone number setting interface.
- according to ▼▲Select the number dialing priority number, and then press ◀, enter and edit the phone number (up to 18 digits), press ⏪Backspace and press ✓ to confirm.
- Repeat the previous step to set multiple alarm phone numbers.
- according to ▼▲choose , according to ▶Select to turn on the main dialing switch,
- Press ✓ to save settings.

When an alarm occurs, the alarm panel will actively dial several preset groups of calls (the phone switch must be turned on during setting). After the user answers, the panel will first play the current alarm type. If there is a preset recording, it will play the recording and then give a voice prompt. "Press 1 to arm, press 2 to disarm, press 3 to monitor, and press 4 to talk." If the user finds that it is a false alarm, he can directly press 2 to disarm the system and terminate the alarm process. Users can also press 3 to turn off the scene siren to monitor the scene more clearly. If there is no need to monitor, just hang up the phone.

If the user does not answer or the dialing fails, the panel will dial all preset numbers in sequence for two rounds until the user answers.

Select "Main Menu→Number management→Alarm SMS number"Set the alarm SMS number. The setting method is the same as above.

Set exit delay

After the panel is armed, the delay time set to prevent the user from causing an alarm when leaving the site and passing through the armed area is also called the arming delay. After arming, the panel will start a "tick" countdown. Please leave the scene before the countdown ends. The exit delay value setting range is 0~255 seconds, and the factory default is 40 seconds.

- Select "Main Menu→System settings→Delay setting→Exit delay".
- Enter the exit delay value (press ⏪backspace).
- Press ✓ to save settings.

Set entry delay

After the user comes back and triggers the detector after passing through the armed area, the panel will not alarm immediately. It will provide a period of time for the user to disarm the panel. If the panel cannot be disarmed after the timeout, the panel will alarm, which is also called alarm delay. After triggering the entry delay, the panel starts a beep beep countdown. Please disarm the system before the countdown ends. The entry delay value setting range is 0~255 seconds, and the factory default is 30 seconds.

- Select "Main Menu→System settings→Delay setting→Enter delay".
- Enter the entry delay value (press ⏪backspace).
- Press ✓ to save settings.

Recording management

You can record on this unit for 1~20 seconds. When an alarm occurs,

the unit will dial the preset phone number and play this recording.

- Select "Main Menu→recording→Recording and playback".
- The panel displays the dialog box "The task is busy, please wait". When it changes to "Recording", the recording countdown starts.
- The user speaks the recording content to the panel. The recording content should be concise and concise, such as "This is xxx's house. The house has been illegally invaded. Please help."
- After the recording ends, the panel displays "Playing Recording" and plays it back automatically.
- After playback ends, press ✓ to save the recording.

choose"main menu→recording→play music" : Play the saved recording.

choose"main menu→recording→delete" : Delete the saved recording.

Pairing the remote

This panel can pair up to 10 remote controls.

- Select "Main Menu→Accessories→remote control→New".
- Assign a unique number (0~9) to the remote control to be paired and confirm.
- The panel displays "Please trigger the accessory" and enters a 20-second countdown waiting for the remote control to be launched.
- Press any key on the remote control to transmit wireless signals to the panel.
- The panel displays "Learning Successfully" and the remote control is paired successfully.

choose"main menu→Accessories→remote control→delete" : Select the remote control to be deleted and press ✓ to delete the remote control with the corresponding number.

choose"main menu→Accessories→remote control→Delete all" : The panel displays the total number of paired remote controls. Press ✓ to delete all remote controls.

Pairing RF Card

This panel can pair up to 10 RF cards.

- Select "Main Menu→Accessories→RF card→New".
- Assign a unique number (0~9) to the radio frequency card to be paired and confirm.
- The panel displays "Please trigger accessories" and enters a 20-second countdown waiting for the RF card to be swiped.
- Place the RF card close to the card swipe sensing area on the right side of the panel display.
- The panel displays "Learning Successfully" and the RF card is paired successfully.

choose"main menu→Accessories→RF card→delete" : Select the radio frequency card to be deleted and press ✓ to delete the radio frequency card with the corresponding number.

choose"main menu→Accessories→RF card→Delete all" : The panel displays the total number of paired RF cards. Press ✓ to delete all RF cards.

Pair wireless detectors

This panel can pair up to 100 wireless detectors.

- Select "Main Menu→Accessories→detector→New".
- according to ▼▲choose , according to ▶Select the device name of the detector to be paired.
- according to ▼▲choose , according to ▶Select the zone type of the detector to be paired.

normal:Valid after arming or arming at home, no entry delay, immediately after triggering Instant alarm, it is recommended that some peripheral sensors other than entrances and exits use this mode.

24 hours: If the detector is triggered at any time, an alarm will sound. It is recommended to Use this mode for emergency, smoke, gas, carbon monoxide, water leakage, etc. detectors.

Delay: After triggering, a delay will be entered. If the alarm is not disarmed before the delay ends, the alarm will be triggered. It is recommended that the door sensors at the main entrance and exit use this mode.

At home: It is invalid when home is armed. It is recommended to use this mode for internal infrared detectors. Mode.

24 hours silent: Same as 24 hours, but silent when triggered.

Door bell:Used as a doorbell, whenever you press the doorbell, the panel prompts "ding dong" Voice.

according to ▼▲Select and press ▶, enter a unique number (0~99) for the detector to be paired, press ⏪Backspace and press ✓ to confirm.

Press ✓ to confirm. The panel will display "Please trigger accessories" and enter a 20-second countdown to wait for the wireless detector to launch.

Press the learning button on the accessory or trigger the accessory to transmit a wireless signal to the panel.

The panel displays "Learning Successfully" and the detector is paired successfully.

Select "Main Menu→Accessories→detector→edit":according to ▼▲Select the detector to be edited/delete and press ▶You can enter the window to set the device name and zone type of the corresponding numbered detector; press ✓ to delete the corresponding numbered detector.

Select "Main Menu→Accessories→detector→Delete all" : The panel displays the total number of paired detectors. Press ✓ to delete all detectors.

Pair wireless siren

- Press and hold the setting button of the wireless siren and release it immediately after hearing two beeps. The siren indicator light flashes quickly to indicate that it has entered the code matching state.
- Select "Main Menu→Accessories→Alarm code matching" , sending wireless signals to the siren.
- The siren emits a long beep to indicate successful code matching.

Paired alarm linkage socket

- Select "Main Menu→Accessories→Alarm linkage socket" .
- Operate the wireless alarm linkage socket to be coded to enter the coded state (for specific methods, please refer to the instruction manual of the socket)

according to▶Send the "on" wireless coding signal to the socket;

according to▶Send "off" wireless coding signal to the socket

The wireless socket flashes to indicate successful coding, and the socket is operated to exit the binding state (for specific methods, please refer to the instruction manual of the socket).

Click▶and▶Check whether the socket can be controlled to turn on or off to verify whether the socket and panel are successfully coded.

Mobile APP

Search "Smart Life" in APP Store/Google Play or scan the QR code below to download the mobile application APP.



Please refer to the attached "APP Quick Start Guide" for Wi-Fi network configuration and APP usage.

Daily operations

Alarm mode

Arm outside

This mode is suitable for when no one is at home, any detector triggering will trigger an alarm. Please leave the site before the exit delay expires.

Arm at home (press twice)

This mode is suitable for when someone is at home, the ordinary zone detectors work normally, but the home zone detectors do not work.

Disarm

The alarm system is in a disarmed state, and only the 24-hour zone detectors work.

How to arm and disarm

RF card

- In disarm mode, swipe the card to arm when you go out.
- In arming mode, swipe the card to disarm.

Remote control

- Press the button to arm outside.
- Press the button to arm at home.
- Press the button to disarm.
- Press the button for emergency help.

Panel keyboard

If the keyboard is locked, enter the user password to unlock the keyboard. (Default user password is 1234)

- Press the button to arm outside.
- Press the button to arm at home.
- Press the button to disarm.

Mobile APP

- Press the icon to arm outside.
- Press the icon to arm your home.
- Press the icon to disarm.
- Press the icon for emergency help.

Phone function

Make a call: +phone number+✓.

In any of the following states, the call operation will be prohibited: mobile network abnormality, armed state, call alarm.

Other features of the panel

Backup battery

Under backup battery power supply, the maximum sustainable working time of the panel is 8 hours. When the remaining power supply time is less than half an hour, a text message "Backup battery is low!" will be pushed to the user. It takes 8~12 hours to fully charge the backup battery.

Mains power failure/restoration

After the main power supply fails, a "Main Power Supply Failure!" text message is pushed to the user.

After the main power supply returns to normal, a "Main Power Supply Restored!" text message will be pushed to the user.

Tamper alarm

After the panel wall-mounted bracket is separated from the panel, the on-site alarm sounds and the "Anti-pry alarm!" text message is pushed to the user.

Restore to factory condition

Select "Main Menu→System settings→initialization", after the panel restarts, it means the initialization is successful. After initialization, all the parameters that have been set will be restored to the factory state, and all paired remote controls, wireless detectors, and radio frequency cards will be cleared. This function should be used with caution. It is generally used after the user has forgotten the operation password, the panel is working abnormally, the panel parameters are set disorderly, or unknown wireless detectors, remote controls, and radio frequency cards are paired.

Technical parameters

panel

Power supply: Micro USB 5V/1000mA
Backup battery: 3.7V/500mAh lithium battery
Power consumption: <55mA@standby
Wireless frequency: 433Mhz
GSM: 850/900/1800/1900MHz
Working temperature: 0~55°C

Wireless siren (optional)

Power supply: Micro USB 5V/1000mA
Backup battery: 3.7V/500mAh lithium battery
Power consumption: <15mA@standby
Sound pressure: 100dB@1m
Wireless frequency: 433Mhz
Working temperature: 0~55°C

Remote control

Power supply: CR2025 button battery
Power consumption: <1uA@standby
Wireless frequency: 433Mhz
Transmit power: 10dBm
Working temperature: 0~55°C

APP Quick Operation Guide



智能生活

Door and window sensor

Power supply: CR2032 button battery
Power consumption: <1uA@standby
Sensing distance: 20mm
Wireless frequency: 433Mhz
Transmit power: 10dBm
Working temperature: 0~55°C

Human movement sensor

Power supply: 1.5V AA three cells
Power consumption: <15uA@standby
Detection angle: <15m@standby
<120°
Wireless frequency: 433Mhz
Transmit power: 10dBm
Working temperature: 0~55°C

RF card

Chip: 4100/4200
Wireless frequency: 125KHz
Card reading distance: 2cm

Smart Life

Scan the QR code above or search "Smart Life" in the mobile app store to download and install the free APP

User login

- 1) Open the "Tuya Smart" APP and select "Log in with an existing account".
- 2) If you are a new user for the first time, please click "Create a new account" and log in.

Add device

1) Intelligent distribution network mode

- After successfully logging in, click "Add Device" on the main page or the "+" in the upper right corner to add a device. In the manual add column, select the "Security Sensor" category and click "Alarm".
- Open the alarm panel, click "√" → Wi-Fi Settings → Smart Configuration. At this time, the panel LED indicator light flashes quickly, and the page displays the countdown of Wi-Fi configuration.
- Return to the APP add device page and click "Confirm that the indicator light is flashing quickly".
- Connect to the local Wi-Fi (only supports 2.4G network), enter the password, select "Confirm", and the device starts to connect to the Wi-Fi network.
- After the device is added successfully, click  Name your device and click "Done."

2) Compatible with distribution network mode

- When smart connection mode is not possible, please use "compatibility mode" connection.
- Click "Compatibility Mode" in the upper right corner of the APP Add Device page.
- Open the alarm panel, click "√" → Wi-Fi Settings → Hotspot Configuration. At this time, the panel LED indicator light flashes slowly, and the page displays the countdown of Wi-Fi configuration.
- Return to the APP and click "Confirm that the indicator light is flashing slowly".
- Connect to the local Wi-Fi (only supports 2.4G network), enter the password, and select "Confirm". The page appears. Connect your phone's Wi-Fi to the device hotspot and click "Connect".
- Select the hotspot Wi-Fi "SmartLife-xxx" in the Wi-Fi settings bar of the mobile phone, return to the APP, and the device starts to connect to the Wi-Fi network.
- After the device is added successfully, Click  Name your device, Click "Done".

Share device

- After sharing the panel device with your family, your family members can remotely control the panel device simultaneously with you and receive APP message push. (Sharers need to download the "Smart Life" APP)
- Select the panel device you want to share in the "All Devices Column" on the APP homepage.
 - Click on the upper right corner  Edit button.
 - Click "Shared Device" → "Add Sharing", enter the sharer's account, and click "Finish".
 - When the sharer APP receives the device sharing push message, the device bar searches for the shared device.

Set up alarm calls and text messages

The panel can set up to 5 groups of alarm receiving numbers and

5 groups of alarm receiving SMS messages. Each group of numbers can independently set its dial switch and SMS switch.

↓ Select the device and click "Settings→Alarm Phone Number→Add Phone Number→Save".

↓ Click "Settings→Alarm SMS Number→Add Phone Number→Save".

↓ Click the button to the right of "Alarm Phone" to turn on the dialing function.

↓ Click the button to the right of "Alarm SMS" to turn on the SMS function.

Note: All phone numbers have a maximum length of 18 digits.

Add accessories

Click "Accessories → Add", and then follow the prompts below to trigger your accessories (after the accessory is added successfully, the accessory type will be automatically identified and classified into each corresponding column).

Note:This machine can pair up to 100 wireless detectors, 10 remote controls, and 10 RF cards.

Exit/entry delay

Click "Settings → Exit Delay/Enter Delay" to modify the delay length.

Note: The factory default delay is 40 seconds and the entry delay is 30 seconds.

Arm/Disarm

Click the button  to arm outside.

Click the button  to arm your home.

Click the button  to disarm.

Click the button  for emergency help.

Scheduled arming and disarming

Click "Settings – Timing" to set multiple timing items to automatically arm and disarm the alarm panel at the set time point.

Add accessory type	Complete the following operations before the countdown of "Please trigger accessories" on the panel page ends	
Wireless sensor	Press the manual alarm button or separate the magnetic strip and magnet (at least 25mm apart)	
	Press the infrared pairing button or human body movement to trigger the alarm	
wireless siren	Press and hold the setting button of the wireless siren and release it immediately after hearing two beeps.	
remote control	Press any button on the remote control	
RF card	Place the RF card close to the card swipe sensing area on the right side of the panel display	