

# Smart Security Panel Kit

## **User Manual**

## CONTENTS

I.	Introduction .....	4
II.	Description of Terms .....	5
III.	Security Panel.....	8
	3.1 Characteristics of Security Panel .....	8
	3.2 Appearance and Panel.....	9
	3.3 Functions.....	10
	3.3.1 Main Interface.....	10
	3.3.2 Menu .....	11
	3.3.3 Arm/Disarm panel by SMS command .....	13
	3.4 Specification.....	14
IV.	Using Smart Life APP.....	15
	4.1 Download APP - Smart Life .....	15
	4.2 Sign up and Login.....	15
	4.3 Connect panel to Smart Life APP.....	16
	4.4 User interface of Smart Life APP .....	17
	4.5 Setting Accessories on Smart Life APP.....	17
V.	Sensors.....	19
	5.1 PIR (Infrared Detector).....	19
	5.1.1 Installation Diagram .....	19
	5.1.2 Specification .....	21
	5.2 Wireless Remote .....	21
	5.2.1 Buttons and functions .....	21
	5.2.2 Battery Replacement .....	22
	5.2.3 Specification .....	22
	5.3 Door/Window Sensor.....	22
	5.3.1 Installation .....	22
	5.3.2 Battery Replacement .....	24
	5.3.3 Specification .....	24

5.4	Doorbell .....	25
5.4.1	Characteristics.....	25
5.4.2	Install/Replace Battery.....	25
5.4.3	Specifications .....	26
VI.	Table of Abnormal/Fault Handling.....	27
VII.	Warranty Rules .....	29
VIII.	Declaration of Hazardous Substances.....	30

# I. Introduction

**Welcome to use Smart Security Panel kits. Your safety is the direction of our efforts.**

The host is embedded with a high-performance and low-power intelligent microprocessor, adopted the 4.3-inch IPS color screen and used capacitive touch to control the operation of the host. It has wireless function that can wireless connect the infrared, door sensor, smoke, gas, detector, emergency key, wireless remote and other accessories for matching. After triggering the accessory, the host can display the alarm status and the on-site alarm prompt in real time and push the host status to the APP on the user's mobile phone in real time through the built-in WiFi. It also supports to call the alarm number and send message to the designated phone number through the built-in 2G/4G module.

## II. Description of Terms

**Host:** The Security Panel is the core of the whole house safety, hereinafter referred to as the host.

**Out Arm:** The host enters the alarm state after the accessories are triggered when it is in a monitoring state.

**Away Arm:** It refers to the mode of arming the host when the user is in the internal protection area of the

alarm system. In this protection mode, all peripheral protection areas in the system (such as outdoor perimeter probes and window door sensors) are in a protection state, but internal protection areas in the system (such as indoor infrared probes) would not be auto-arm. The insiders can move automatically in this area without generating an alarm.

**Disarm:** It is only trigger the emergency key or 24-hour defense zone device to enter the alarm state after withdrawal when the host releasing the monitoring state.

**Remote control:** The user can control the mode of out arm mode, stay arm, disarm and alarm by remote when the remote when the remote control and the host are paired successfully.

**Detector:** The user can install detector at the special area after the detector has paired with the host successfully. And the detector will immediately send an alarm to the host for processing when the detector is set off. The common detectors include door sensor, infrared detector, smoke detector, gas detector, etc.

**Wireless siren:** After finishing pairing, after the host triggers the alarm, it can trigger the wireless alarm, and the alarm volume can be increased to the maximum.

**Alarm number:** After the host alarms, it can send messages to the designated telephone number or make a phone call for real-time reminding.

**Arm delay:** The host must delay for a period of time before entering the outgoing arming state when the user operates it to enter the outgoing arming state. So that the user can evacuate the monitoring area in time.

**Alarm delay:** It would be delayed for a period of time when the host receives the alarm from the detector. During the alarm delay, the alarm can be revoked using the user password.

**Siren time:** It refers to The time for the host alarm to sound, after which the alarm would stop sounding.

**User Password:** WiFi network configuration, Host withdrawal, accessory setting, telephone number setting and security setting can only be operated after user password verification. The user password defaults to 1234, and the user can customize the user password.

**Password rules:** After entering the correct password each time, there is no need to enter the password again within a short period of time which is the screen standby time set by the user, and the maximum is no more than 5 minutes (no more than 2 minutes in the latest version).

**System password:** Device restart and recovery can only be operated after system password verification. The default system password is 9876, and users can customize the system password.

**Scramble PIN code:** The user can be entered 5-8-digit Scramble PIN code. It can be recognized as correct password only if it contains 4 consecutive correct passwords.

**Local alarm:** The host horn and wired alarm will be sounded when the host alarms.

**Siren alarm:** The host sends the wireless code to control the wireless siren to give an alarm when the host alarms.

**Siren beep:** The host sends a wireless code to control the wireless alarm to sound briefly for prompting when the host state is switched.

**Delay beep:** The warning voice would be issued to evacuate the protection area as soon as possible to avoid false triggering or cancellation of the alarm when the host is in a delayed protection or delayed alarm state.

**Door/Window warning:** The host will advice the user that the status of door and window when the user go outside.

**Voice tone:** There is the corresponding voice prompt when the user operating the host.

**Key beep:** There would be a corresponding voice prompt to improving the touch experience when operating the keys of the host.

**Doorbell volume:** The host would sound the doorbell voice prompt when the doorbell defense area is triggered.

**Long-range control:** The user can arm and disarm the devices through APP remotely.

**Tamper switch:** The host will sound an alarm when it is disassembled by external force.

**Timed arming and disarming:** The user can set the set time of arming and disarming through the mobile phone APP, so that the host will automatically enter the arming and disarming state at the set time.

**Doorbell:** You can click into menu option to choose the Accessories option to enter the password to add doorbell accessories if you need to use the Doorbell. It will note "Ding Dong" anytime while be triggered.

**Alarm type:** The user sets the corresponding alarm type according to the detector type and usage scenario. This is convenient for the user to manage and distinguish the corresponding device type after triggering the alarm.

**The type of alarm is as follow:** System alarm, Main-door alarm, Living room alarm, SOS alarm, Bed room alarm, Window alarm, Balcony alarm, Environment Alarm, Fire Alarm, Gas Alarm, carbon monoxide leakage and water leakage alarm.

**Zone number:** This function is use for making out the zone of detectors. The user can confirm the location of alarm from this when detectors were triggered by someone.

**Detector mode: 7 options**

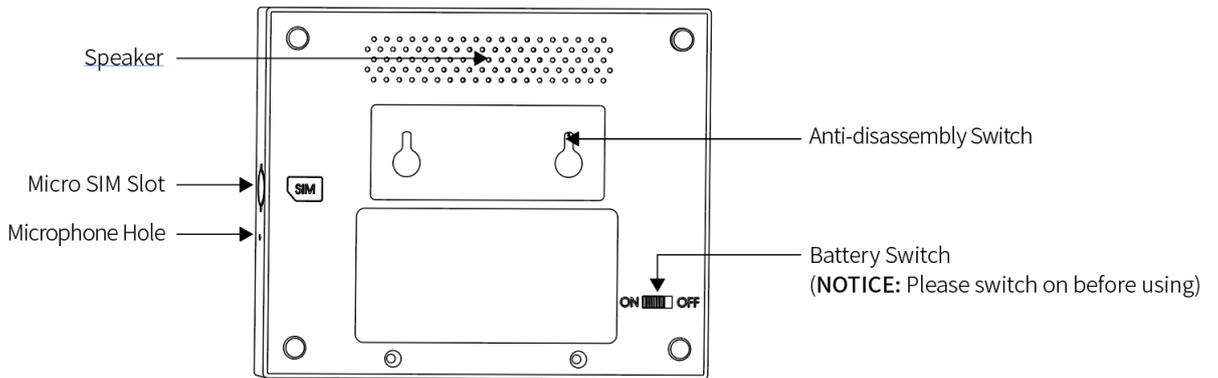
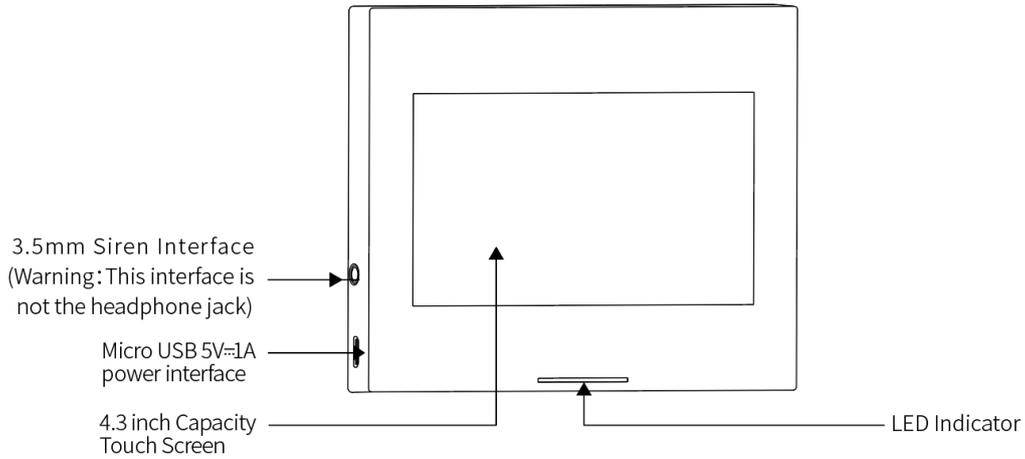
- (1) **All Arm is effective:** The trigger detector would give an alarm if someone enters the arming range when the host in the modes of Out Arm or Stay Arm. It is recommended that the outdoor detector sets this mode.
- (2) **Out Arm is effective:** When the host is in the state of protection when at home, the detector in this mode is triggered and would not alarm. It is recommended that the indoor detector set this mode.
- (3) **Effective for 24 hours:** The detector sets in this mode would give an alarm at any time regardless of the state of the host. It is recommended to set this mode for detectors requiring timely treatment such as gas, emergency key and smoke.
- (4) **Disabled:** Setting the detector in this mode means that it is discontinued and the host would not respond to the alarm request of the detector in this mode.
- (5) **Secret Alarm:** This type of accessories would give an alarm when giving an alarm, but it would not make a sound.
- (6) **All Arm is effective (without delay):** The user can ignore the alarm delay setting when this type of accessories conform the alarm conditions.
- (7) **Out Arm is effective (without delay):** The user can ignore the alarm delay setting when this type of accessories conform the alarm conditions.

## III. Security Panel

### 3.1 Characteristics of Security Panel

- (1) Embedding the High performance chip. The main frequency is up to 600MHz. The performance is more powerful and the operation is more faster.
- (2) The 4.3-inch IPS color display screen has a wider visual angle and better visual experience.
- (3) New Xsense UI interactive interface.
- (4) This product built-in WiFi, 2G/4G. It supports APP push, telephone, SMS and monitoring to ensure stable and reliable alarm performance.
- (5) It can be connected to a total of 200 remote controls, sensors and detectors. The maximum of six doorbells can be connected.
- (6) It can support 7 defense modes. And it also can set and edit the security attributes of each detector separately.
- (7) It supports network calibration. And the operation is more concise.
- (8) It supports maximum 150 warning records,50 arm and disarm records.
- (9) It supports 5 groups of custom alarm calls. The number can be saved when power-down.
- (10) It supports to reminder such as power failure of external main power supply, battery shortage, anti-pry alarm, etc.
- (11) It supports the prompt that doors and windows are not closed.
- (12) It supports the alarm pop-up window function.
- (13) It supports up to 100 sets of security records.
- (14) It supports to connect wired siren and wireless siren. And it can enhance alarm volume and achieve better warning effect.
- (15) It supports the Scramble PIN code function.
- (16) It can be controlled and set by Mobile phone APP to simplify the user experience.
- (17) The accessories can be added, deleted, checked and modified through APP. The operation is more convenient and concise.
- (18) Products that can link graffiti ecology through APP intelligent scenes.
- (19) It supports multi-language.
- (20) It supports offline software upgrades.

### 3.2 Appearance



Indicator:

Color	Panel status
Red	Alarming
Yellow	Armed
Green	Disarmed

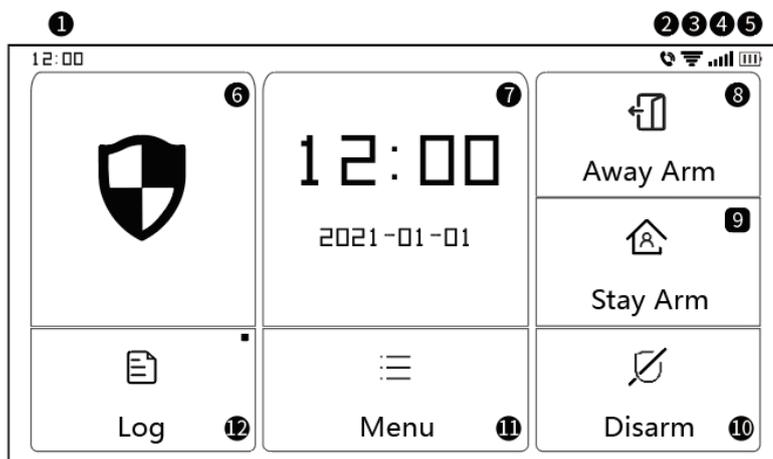
Flashing	Panel status
Yellow/Green	Delay Arming
Red/Green	Delay Alarming

**Important Notice:**

- (1) The host should be installed in the center area of each detector as much as possible to ensure the best wireless communication between the host and the detector.
- (2) As the host and the detector adopt wireless communication, the installation position should be as far away from high-frequency interference household appliances or hard-to-penetrate heavy fire doors as possible.

### 3.3 Functions

#### 3.3.1 Main Interface



Status Bar	①Time	24-hour time is displayed
	②SMS	Sending
	②Call	In the middle of a call or calling
	③WiFi signal	1 ~ 4 means the strength of WiFi signal
		Full gray means no WiFi signal
	④2G/4G signal	Detect the WiFi module, and if it is "blank", it shows the current state
		1 ~ 4 indicate the strength of 2G/4G signals
Full gray means no 2G/4G signal		
⑤Power supply status	External power supply	
	Battery power and battery charge	
Main Interface	⑥Host Status Indication Bar	Disarm: Legend is in white Arm Delay Status: Orange circle shows counting down Alarm Delay Status: Legend is in orange Alarm Delay Status: Red circle shows counting down Alarm Status: Legend is in red
	⑦Time/Even	The current year/month/day/24h time would be displayed when the host is work normally and the details would be displayed when the host is abnormal.

	⑧Out Arm	Clicking to enter the out arm mode. The legend in orange indicates when the mode has been activated or is being activated.
	⑨Stay Arm	Clicking to enter the stay arm mode. The legend in orange indicates when stay arm mode has been activated.
	⑩Disarm	Clicking to cancel the protection mode.
	⑪Menu	Clicking to check the information of host menu.
	⑫Log	Clicking to check the Arm record and alarm record. The red dot in the upper right corner indicates that there are new viewed records.

### 3.3.2 Menu

Menu	Accessories	Detector		Deleting, view and modify detector alarm type and mode for all detector.
		Remote		Adding, view and delete all remote controllers.
		Doorbell		Adding, view and delete all doorbell.
		Siren pair		Realize wireless alarm number matching function.
	Phone	Phone call		Realizing the function of making a phone call.
		Phone setup		Set 5 groups of alarm calls, and support individual control of whether each number calls or short message notification.
	safety	Delay	Arm delay(sec)	Set the protection delay value
				Unit: seconds; Scope: 0 ~ 180; Default: 40 seconds
			Alarm delay(sec)	Set alarm delay
		Unit: seconds; Scope: 0 ~ 180; Default: 30 seconds		
		Siren time	Set the alarm sounding time	
			Unit: seconds; Scope: 0 ~ 1800; Default: 180 seconds	
	Password edit	User password edit		Change the user password and forget the password. Please contact the sales channel.
				Scope: 0000 ~ 9999; Default: 1234

		Sys password edit	Modify the management password. It is not recommended to be the same as the user password.	
			Scope: 0000 ~ 9999; Default: 9876	
		Siren alarm	Setting the alarm sound of the siren.	
			Scope: off or on; Default: Off	
			Local alarm	Setting the alarm sound of the host.
				Scope: off or on; Default: On
			Siren beep	Setting siren beep
				Scope: off or on; Default: Off
		Delay beep	Setting the delay beep.	
			Scope: off or on; Default: On	
		Door/Window warning	Setting the door/Window warning. Need door sensor accessories support.	
			Scope: off or on; Default: Off	
		Settings	WiFi	Airlink (recommend)
	SoftAP			Realize WiFi hotspot configuration function
	Time		Setting time	Set the year, month, day, hour, minute and second of host.
			Time sync	Set whether to adopt network synchronization time
	Scope: off or on; Default: On			
	Audio		Voice tone	Set whether the voice prompt tone is turned on or not
				Scope: off or on; Default: On
Key beep			Set whether the key sound effect is turned on or not	
			Scope: off or on; Default: On	
Doorbell Vol			Set the prompt volume of the host doorbell	
	Scope: 0 ~ 9; 0 indicates that the doorbell is muted; Default: 8			

		System vol	Set the prompt volume of the host system	
			Scope: 0 ~ 9; 0 indicates that the system prompts mute; Default: 7	
		Display	Set screen timeout	
			Unit: seconds; Scope: 0 constant bright, 10 ~ 180; Default: 60 seconds	
		Language	There are 10 languages you can choose as follow	English / 简体中文 / Deutsch / русский / français / Português / Español / Italiano / Polski / Nederlands
		Recover	Recover	Realize the function of recovering the factory setting of the host
			Restart	Realize the function of restarting the host
		Clean	The device can enter this mode when it needs to be cleaned, and the button will fail for one minute to prevent false triggering.	
		Help	QR code of User manual : Scan the QR code to view Chinese / English version user manual.	
			About: Display host model version, SN information, WiFi MAC information, 2G/4G module CSQ, IMEI, module serial number.	

### 3.3.3 Arm/Disarm panel by SMS command

The 2G/4G version panel can be arm/disarmed by SMS command .

The panel can be arm/disarmed by App remotely, also can be arm/disarmed by SMS command (firmware version should be 1.0.20 or above).

The SMS commands and panel actions taken are as bellow:

No.	SMS Command	Action taken by the panel	Replied SMS
1	away arm	The panel will be in “Away Arm” status	System away armed!
2	stay arm	The panel will be in “Stay Arm” status	System stay armed!
3	disarm	The panel will be in “Disarm” status	System disarmed!

The panel will reply message to confirm the command are executed successfully.

**NOTICE:** The panel only accept SMS commands from the phone number set in the panel.(Memu-->Phone->Settings),the SMS commands sent by other mobile numbers will be not recognized and no action will be taken .

### 3.4 Specification

Input power: DC5V 1.0A, Micro USB	WiFi standard: IEEE802.11b/g/n 2.4G frequency band
Built-in battery: 3.7 V 500mAh lithium battery	Working temperature:14°F~122°F(-10°C~ +50°C)
Working power consumption:<3 W	Relative humidity:<95% (no condensation)
Wireless parameters: 433MHz, eV1527	Mobile standard: 2G/4G
Product size:120 *98 *12mm	

## IV. Using Smart Life APP

This device can be controlled by "Smart Life" APP from Tuya. When the user wants to control the device through the APP, you can download the "Smart Life" APP in the application store in advance to remotely control the device. The detail of instruction is as follow:

### 4.1 Download APP - Smart Life

The user can search the "Smart Life" in major mainstream APP stores around the world or scan the QR Code below to download.



iOS link



Google Play link



Official website link

- (1) iOS users, please scan the [iOS link](#) QR code.
- (2) Android users, please scan the QR code of the [Google Play link](#).
- (3) All users can scan the QR code of the [official website link](#) to download with guide.

### 4.2 Sign up and Login

- (1) When the user uses the Smart Life APP for the first time, the APP will show the "Log-in" and "Sign-up" interface.
- (2) The user can register an account by clicking the "Sign-up" option. After clicking "Sign up", the "User Agreement and Privacy Policy" will appear. Please read it carefully and click "Agree".
- (3) After clicking "Agree", the account registration interface will appear. Two items will appear in the interface: "Country" and "Mobile Number/Email".
- (4) Users need to select their own country from the "Country" option according to their own country.
- (5) In the "Mobile Number, email" option, it is recommended that users enter their mobile phone number and click: "Get Verification Code". After that, the APP interface will jump to: "Enter Verification Code". And then the user fills in the six-digit verification code with the [Smart Life] logo received in the

mobile phone into the APP.

- (6) After finishing the previous step, the interface will pop up the "Set Password" option. At this time, the user can set the APP login password according to his own preferences or habits. After the password is set successfully, the APP will pop up and enter the "User Authorization Interface", the user can choose the authorization by himself and click "Enter APP" after authorization to enter the APP interface.
- (7) Login the account with your account and password registered.

## 4.3 Connect panel to Smart Life APP

**NOTICE:** You should connect your mobile phone to the 2.4G WiFi network before using smart life APP to connect the device.

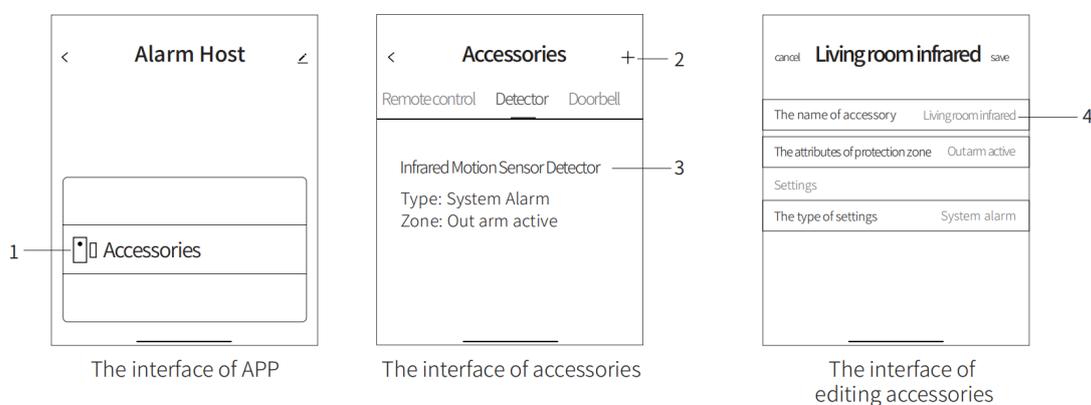
- (1) Using the smart life APP to click "+"(in the upper right corner of the main interface)-> select "sensor"-> select "alarm (WiFi)" and click OK to enter "Select 2.4 GHz Wi-Fi Network and enter password" interface.
- (2) Insure the Wi-Fi SSID, and inputting the password of WiFi network, click next, then next step.
- (3) On the panel, select "Menu"-> Select "Settings"-> Select "WiFi"-> Enter the user password (default "1234")-> Select "Airlink(recommend)".
- (4) Going back to Smart Life APP, select "Confirm the indicator is blinking rapidly." click next to adding device, and wait patiently for the network connection complete.
- (5) There is the name of the device in this interface. Users can set the name of the device according to their preferences. If users do not want to change the name of the device, they can click "Done" in the upper right corner.
- (6) After clicking "Done", the app will pop up the "push touch detection" interface. Users can click "Cancel" or "detect" according to their own needs.
- (7) In order make it more convenient for users to use app. If the status of device and mobile app is connected to internet. And even if the phone is not connected to the original WiFi network, the users also can use app to remotely control the devices.

## 4.4 User interface of Smart Life APP

Status bar	Power Supply Status	External Power Supply	Indicates that the current host uses external power supply.
		Battery power supply	Battery power supply: Indicates that the current host adopts built-in battery power supply and battery power.
	2G/4G signal	No Network	Indicates that the current host 2G/4G has no network.
		No SIM Card	Indicates that the current host has not detected a SIM card.
	Network Signal	Indicates that the current host 2G/4G signal strength is 1 ~ 5.	
Host Status	Displays the status of the current host, including Deployment, Home, Emergency, and Withdrawal.		
Control Bar	Out Arm	Clicking this mode when the user is not at home.	
	Stay Arm	Clicking this mode when the user is at home.	
	SOS	Clicking the key for emergency help.	
	Disarm	Clicking this mode to disarm.	
Log		This option can display host alarm record and operation record.	
Accessories		This option can be added, deleted, viewed and modified with the accessories.	
Setting		This option can set the general operation of the host.	

## 4.5 Setting Accessories on Smart Life APP

The way of user setting accessories on APP is as follow:

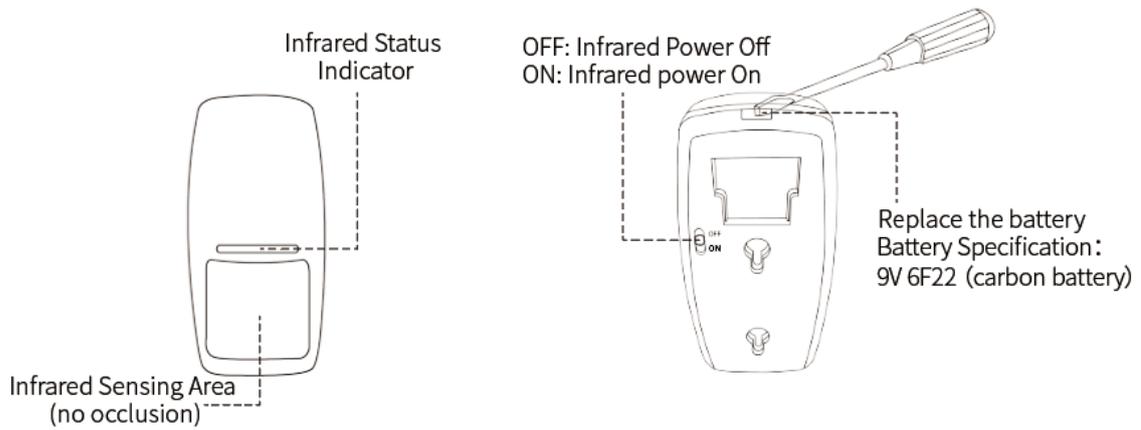
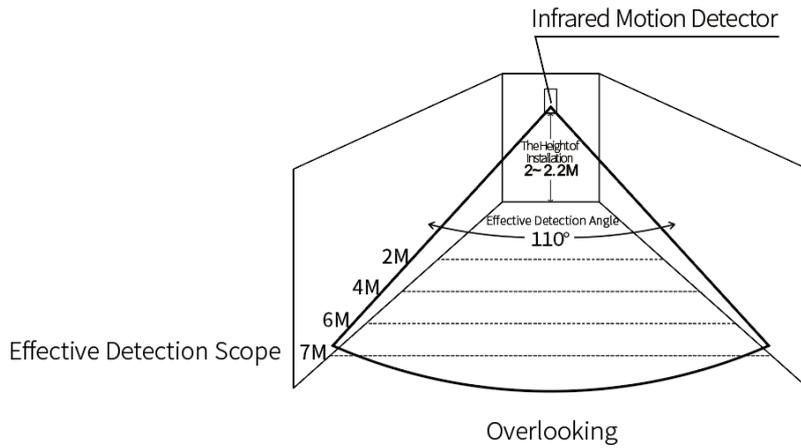


- (1) Clicking " Accessories" on the APP interface and the APP would automatically synchronize the accessory information of the Smart Security Panel. After that, the number of wireless remote and detectors as well as the type and attributes of the protection zone will display in the page.
- (2) Accessories can be added remotely through the "+" key in the upper right corner of the accessory interface. The user clicks the "+" key to trigger the accessories around the host to realize quick matching between the host and accessories, as shown in the figure "Accessories Interface".
- (3) Pressing and holding the accessory to slide left to delete or modify the accessory.
- (4) Accessories can be renamed to facilitate management and alarm in more detail; APP can modify the type of defense zone and the attribute of defense zone for each detector as shown in the figure " Interface of Editing Accessories ".

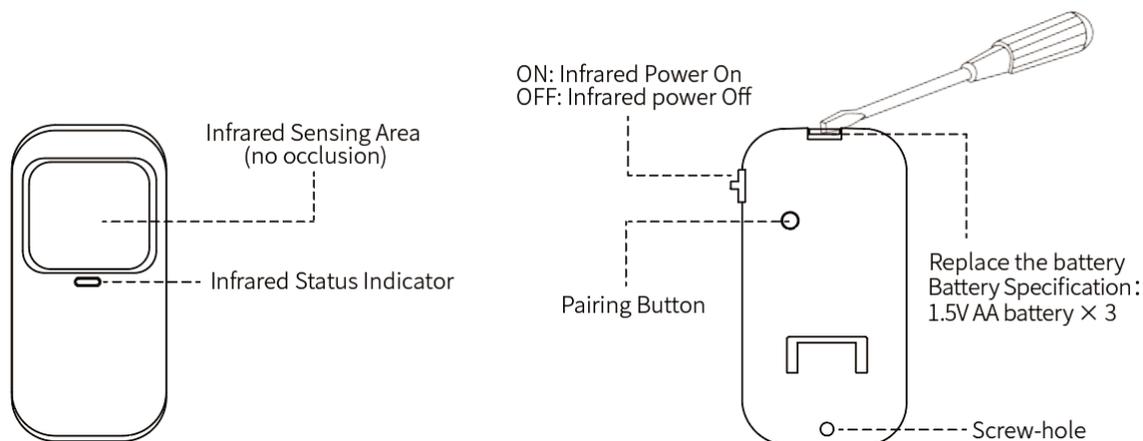
# V.Sensors

## 5.1 PIR (Infrared Detector)

### 5.1.1 Installation Diagram



Infrared Detector A



Infrared Detector B

**NOTICE:**

- (1) The installation height from the ground is 2.0 ~ 2.2 meters. The detection distance is  $\leq 7$  m and the launching distance is  $\leq 150$  m (without obstacles). Please ask for TEST distance before installation, because the obstacle has an effect on the distance to sense.
- (2) The infrared detector should be installed at a certain angle with the indoor pedestrian line (the detection effect is the best at 90° with the pedestrian direction).
- (3) It is not suitable to directly face glass doors and windows.
- (4) It is not suitable to face large objects that are easy to swing.
- (5) It should not be directly facing the cold and hot vents or cold and hot sources.
- (6) As far as possible, there are no screens, furniture, large bonsai or other partitions in the detection scope.
- (7) It is not advisable to install multiple detectors in the same detection area to avoid interference caused by simultaneous triggering.

## 5.1.2 Specification

### 5.1.2.1 PIR A

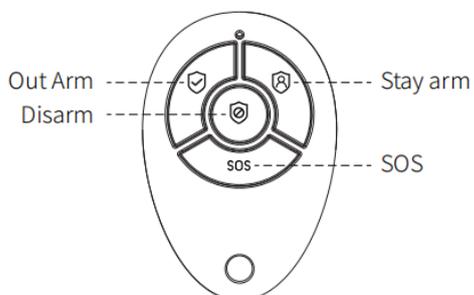
Battery specification: 6F22 9V *1	Quiet current: $\leq 40\mu\text{A}$
Alarm current: $\leq 45\text{mA}$	Detection angle: $110^\circ$
Relative humidity: $< 95\%$ (no condensation)	Working temperature: $14^\circ\text{F} \sim 122^\circ\text{F} (-10^\circ\text{C} \sim +50^\circ\text{C})$
Wireless parameters: 433MHz, eV1527	Product Size: 110 *52 *38mm

### 5.1.2.2 PIR B

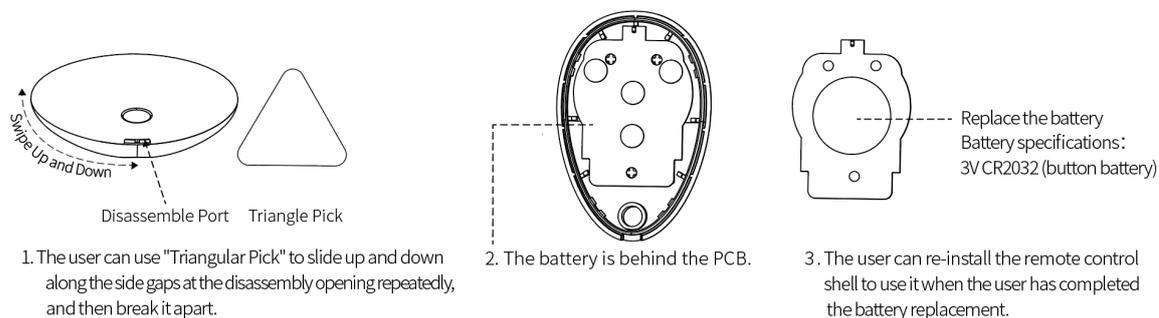
Battery specification: 1.5V AA battery * 3	Quiet current: $\leq 15\mu\text{A}$
Alarm current: $\leq 15\text{mA}$	Detection angle: $110^\circ$
Relative humidity: $< 95\%$ (no condensation)	Working temperature: $14^\circ\text{F} \sim 122^\circ\text{F} (-10^\circ\text{C} \sim +50^\circ\text{C})$
Wireless parameters: 433MHz, eV1527	Product Size: 60 *114.5 *42.8mm

## 5.2 Wireless Remote

### 5.2.1 Buttons and functions



## 5.2.2 Battery Replacement



## 5.2.3 Specification

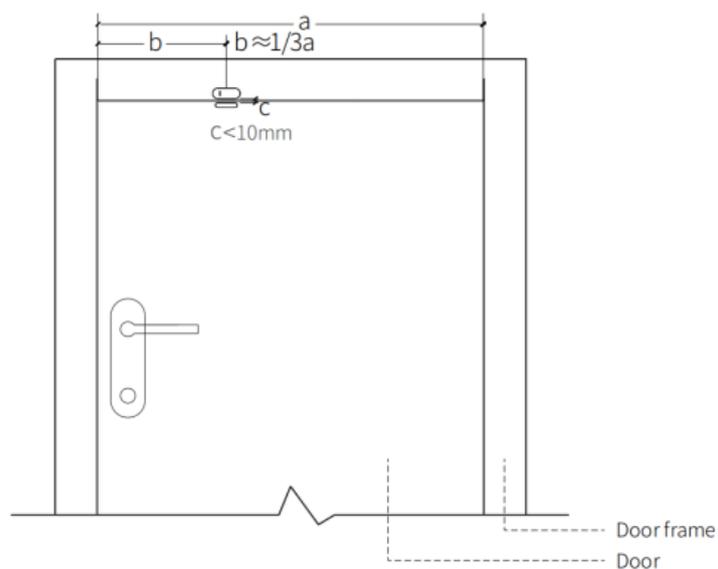
Battery specification: CR2032 *1	Quiescent current: $\leq 1\mu\text{A}$
Working current: $\leq 10\text{mA}$	Working temperature: $14^{\circ}\text{F}\sim 122^{\circ}\text{F}(-10^{\circ}\text{C}\sim +50^{\circ}\text{C})$
Wireless parameters: 433MHz, eV1527	Product size: 60*39.7*12mm

## 5.3 Door/Window Sensor

### 5.3.1 Installation

The door sensor is installed on the movable door or window.

- (1) First, wipe the corresponding position of the door, take out the wireless door sensor, and stick double-sided adhesive tape on the bottom.
- (2) The door sensor (transmitter (large)) and the door sensor (magnet (small)) shall be installed separately, i.e. the transmitter shall be installed on a fixed door frame and the magnet shall be installed on the movable door.
- (3) The magnet is facing the triangular arrow face of the transmitter, and the distance between them is less than 10mm.
- (4) Open the door after the door sensor is installed. The indicator light keeps for 2 second when the door is opened, indicating that the installation is complete.

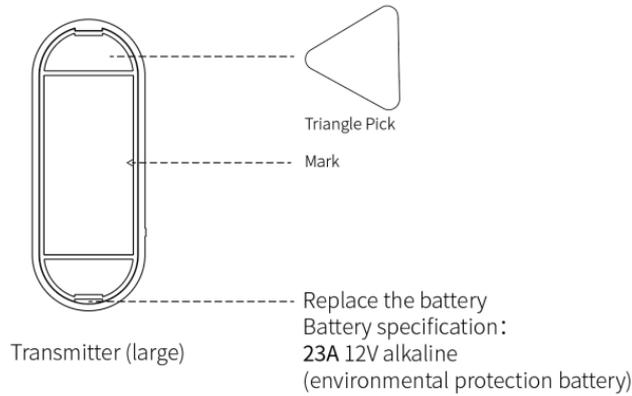


Door Sensor Detector Installation diagram

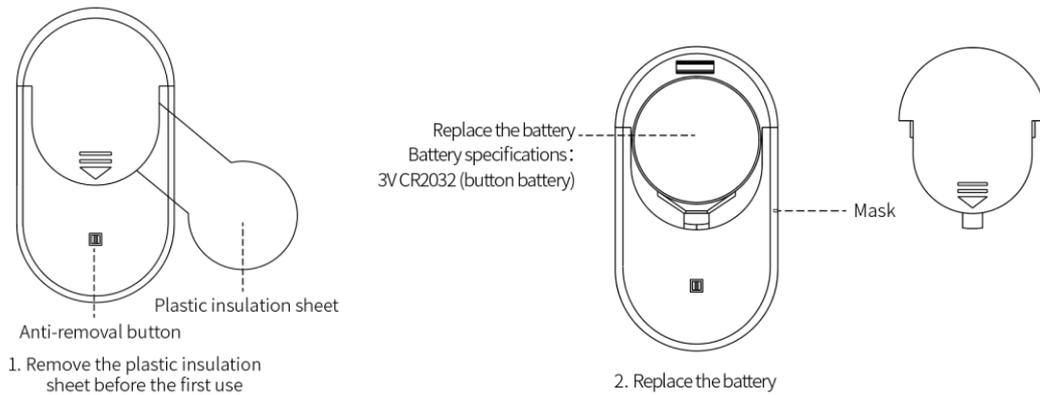
**NOTICE:**

- (1) The emission distance of the door sensor is less than or equal to 100M (no obstacles). Please ask for TEST distance before installation. Because the obstacle has an effect on the distance to sense.
- (2) The door sensor indicator light keeps for 2 second to indicate an alarm. The indicator light keeps on in dictating that the battery is low.
- (3) The distance (C) should be reduced as much as possible if the door sensor is installed on the iron gate.
- (4) It is not advisable to install multiple detectors in the same detection area to avoid interference caused by simultaneous triggering.

## 5.3.2 Battery Replacement



Door Sensor A



Door Sensor B

## 5.3.3 Specification

### 5.3.3.1 Door Sensor A

Battery specification: 23A12V *1	Quiet current: $\leq 1\mu\text{A}$
Alarm current: $\leq 20\text{mA}$	Working temperature: 14°F~122°F(-10°C~ +50°C)
Relative humidity: <95% (no condensation)	Wireless parameters: 433MHz, eV1527
Product size: 65 *25 *13mm (large) 52 *11.4 *13mm (small)	

### 5.3.3.2 Door Sensor B

Battery specification: CR2032 *1	Quiet current: <math><8\mu\text{A}</math>
Alarm current: <math><15\text{mA}</math>	Working temperature: 14°F~122°F(-10°C~ +50°C)
Relative humidity: <math><95\%</math> (no condensation)	Wireless parameters: 433MHz, eV1527
Product Size: 49 *26 *12mm (large) 35 *12.5 *12mm (small)	

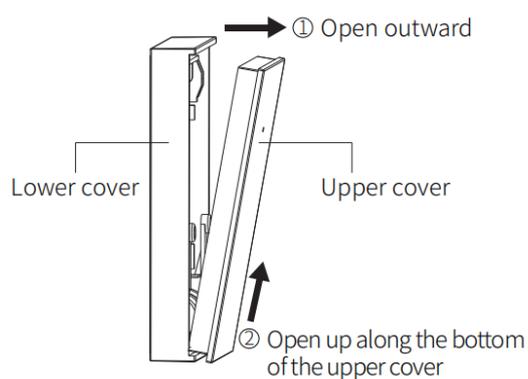
## 5.4 Doorbell

### 5.4.1 Characteristics

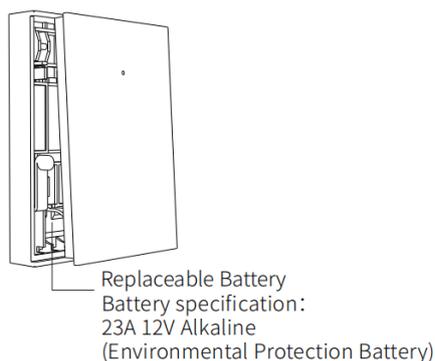
- (1) A variety of simple installation methods: support foam glue and screw fixing.
- (2) No standby power consumption.
- (3) DC12V power supply is adopted, with higher transmission power and longer wireless distance.

### 5.4.2 Install/Replace Battery

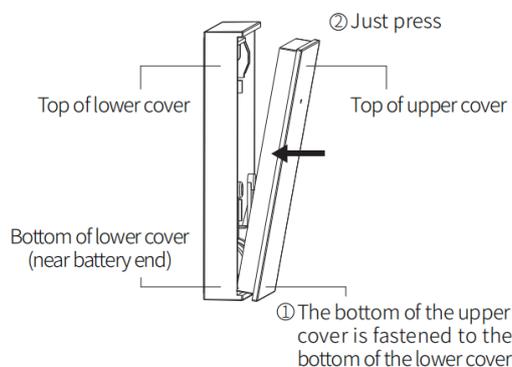
- (1) Holding the lower cover tightly with your left hand, drag the upper cover outward with your right hand, and then open it upward along the bottom of the upper cover, as shown on the right figure:



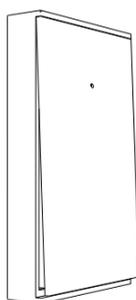
- (2) Disassembling is complete, install battery.



- (3) Hold the lower cover with your left hand, fasten the bottom of the upper cover with the bottom of the lower cover with your right hand. Secondly, the user need to press on the top of the lower cover along the top of the upper cover, as shown on the right picture:



- (4) Installation is complete



### 5.4.3 Specifications

Battery specification: 23A12V *1	Standby current: 0mA
Working current: ≤40mA	Working temperature: 14°F ~122°F (-10°C ~ +50°C)
Relative humidity: <95% (no condensation)	Wireless parameters: 433MHz, eV1527
Product Size: 48 *76 *11mm	

## VI. Table of Abnormal/Fault Handling

Failure	Reason	Solution
Wireless Remote malfunction	<ol style="list-style-type: none"> <li>1. The battery power is insufficient.</li> <li>2. The shrapnel of the battery compartment. is in poor contact or rusted.</li> <li>3. The format is not paired with the host.</li> <li>4. Mismatch with host wireless parameters.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replacing the battery of the same model.</li> <li>2. Cleaning the rust and dirt of shrapnel.</li> <li>3. Re-pair with the host.</li> <li>4. Purchasing accessories of the same type with technical parameters.</li> </ol>
Door sensor failure	<ol style="list-style-type: none"> <li>1. The battery power is insufficient.</li> <li>2. The shrapnel of the battery compartment. is in poor contact or rusted.</li> <li>3. The code is not paired with the host.</li> <li>4. Mismatch with host wireless parameters.</li> <li>5. The door sensor is too far away from the magnet.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replacing the battery of the same model.</li> <li>2. Cleaning the rust and dirt of shrapnel.</li> <li>3. Re-pair with the host.</li> <li>4. Purchasing accessories of the same type with technical parameters.</li> <li>5. Installing door sensors and magnets close to each other.</li> </ol>
Infrared Motion Detector failure	<ol style="list-style-type: none"> <li>1. The battery power is insufficient.</li> <li>2. The shrapnel of the battery compartment. is in poor contact or rusted.</li> <li>3. The code is not paired with the host.</li> <li>4. Mismatching with host wireless parameters.</li> <li>5. Infrared installation location is unreasonable.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replacing the battery of the same model.</li> <li>2. Cleaning the rust and dirt of shrapnel.</li> <li>3. Repairing with the host.</li> <li>4. Purchasing accessories of the same type with technical parameters</li> <li>5. Re-commission the equipment and adjust the infrared installation position.</li> </ol>
Host does not alarm	<ol style="list-style-type: none"> <li>1. The host is not in the protection state.</li> <li>2. Improper installation of components and too far away.</li> <li>3. Accessory codes do not match.</li> </ol>	<ol style="list-style-type: none"> <li>1. Carrying out protection operation on the host.</li> <li>2. Adjusting the position of the components.</li> <li>3. Re-code.</li> </ol>
The host receives remote control, door sensor, infrared distance becomes shorter	<ol style="list-style-type: none"> <li>1. The main power is disconnected and the standby power is insufficient.</li> <li>2. There is signal interference from the same type of product around the product.</li> <li>3. It occurs the trouble when host receiving module.</li> </ol>	<ol style="list-style-type: none"> <li>1. Checking the power supply and restore the power supply.</li> <li>2. Checking the interference source and dismantle it.</li> <li>3. Communicating with customer service for repair.</li> </ol>
No calling when alarm	<ol style="list-style-type: none"> <li>1. The host is not in the protection state.</li> <li>2. No alarm telephone is set.</li> <li>3. Improper installation of components and too far away.</li> <li>4. Coding mismatch.</li> </ol>	<ol style="list-style-type: none"> <li>1. Carrying out protection operation on the host.</li> <li>2. Resetting once according to the instructions.</li> <li>3. Adjusting the position of the components.</li> <li>4. Re-code.</li> </ol>

WiFi distribution network failed	<ol style="list-style-type: none"> <li>1. The configured WiFi band is not 2.4 G.</li> <li>2. The existing router is not compatible with Airlink configuration.</li> <li>3. The WiFi module is damaged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Setting a router to establish WiFi in 2.4 G frequency band</li> <li>2. Adopting the host WiFi hotspot configuration mode</li> <li>3. Communicating with customer service for repair.</li> </ol>
Door and window switch failure	<ol style="list-style-type: none"> <li>1. The door and window switch signals are opposite.</li> <li>2. Door and window switch signals cannot be used.</li> <li>3. Setting the type of alarm incorrectly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Need to trigger the door open signal.</li> <li>2. Accessories for non-certified equipment.</li> <li>3. Setting the type of alarm as door alarm and window alarm.</li> </ol>

## VII. Warranty Rules

- (1) Please contact our after-sales service for any failure caused by the product itself during the warranty period.
- (2) The goods are guaranteed for one year from the date of sale, and the warranty service is only valid under normal use.
- (3) Damage caused by the use environment not meeting the requirements of this product is not covered by the warranty.
- (4) Product damage caused by man-made and force majeure is not covered by the warranty.

## VIII. Declaration of Hazardous Substances

Component Name	Harmful substance					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Metal parts	0	0	0	0	0	0
Plastic parts	0	0	0	0	0	0

