



**Indoor Wireless Acousto-Optic Siren**  
**ST-6108W**

\* This product is a networking accessory that needs to be used with the company's gateway



## > Brief Introduction

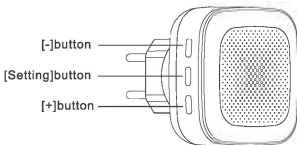
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The indoor wireless acousto-optic siren adopts 8 bit MCU as processing core, built-in 16 two-color LED lights and 1 high-decibel buzzer. It can be used as a standalone on-site alarm host. It is widely used in banks, shops, villas, etc. There are high-decibel sound output and flashing highlight when alarming, causing the intruder to flee the scene in a panic, strengthening alarm deterrence and improving the safety of the protection environment.

When siren used as an on-site alarm host, users can buy corresponding remote controllers and detectors according to demands. Siren can connect with these wireless accessories and they become a powerful independent alarm system.

## > Wireless Siren Diagram

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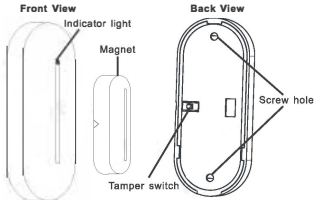
## > Siren Features

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- 2 colors of alarm indicator lights
- A strong deterrence with high-decibel alarm sound and flashing highlight
- Pair up with 16 remote controllers
- Pair up with 32 detectors (normal and doorbell zone)
- Pair up with 32 detectors (emergency zone)
- Adjustable light brightness on standby status
- Arm delay 30 seconds

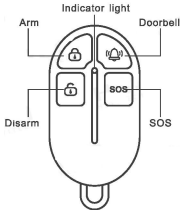
## > Wireless Detector Diagram

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## > Remote Controller Diagram

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## > Setup

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### 1. Remote Controller

#### 1.1 Enroll Remote Controller

On standby status, long press [setting] button for 3 seconds. When you hear one short "Di" along with the first group red lights on, it means entering the enrollment of first remote controller. The light flashes if the current one has not been enrolled, and then you can press any button on the remote controller to enroll. Enroll successfully if you hear one short "Di" and meanwhile the light turns to be long bright. Notice: If you hear five short "Di", it means that the remote controller has already been enrolled.

(If you want to delete the current one, please follow 1.2 Delete Remote Controller below). Short press [+] or [-] button to shift to the next/previous remote controller.

### 1.2 Delete Remote Controller

If the current remote controller has already been enrolled and the light is long bright, long press [+] or [-] button for 3 seconds. When you hear two short "Di" and the light turns to flash, it means that the deletion is successful.

### 1.3 Exit Setup

On enrollment of remote controller status, short press [setting] button six times to exit setup and enter standby status.

## **2. Detector (Normal and Doorbell Zone)**

### 2.1 Enroll Detector

On enrollment of remote controller status, short press [setting] button once. When you hear one short "Di" along with the first group blue lights on, it means entering the enrollment of first detector (normal and doorbell zone). The light flashes if the current one has not been enrolled, and then you can make the detector transmit a wireless alert signal to enroll. Note: the method of transmitting a signal of the detector in this set is to put the magnet and the sensor together (press down the sensor), and then take away the magnet, and you can see the sensor's red light on to transmit a signal. Enroll successfully if you hear one short "Di" and meanwhile the light turns to be long bright. Notice: If you hear five short "Di", it means that the detector has already been enrolled. (If you want to delete the current one, please follow 2.2 Delete Detector below). Short press [+] or [-] button to shift to the next/previous detector.

## 2.2 Delete Detector

If the current detector has already been enrolled and the light is long bright, long press [+] or [-] button for 3 seconds. When you hear two short "Di" and the light turns to flash, it means that the deletion is successful.

## 2.3 Exit Setup

On enrollment of detector (normal and doorbell zone) status, short press [setting] button five times to exit setup and enter standby status.

**Notice:** When press [disarm] button on remote controller, detector's normal zone (alarm sound) and doorbell zone (doorbell sound) will stop working, and siren will not send out alarm sound and doorbell sound even if detector is triggered. When press [arm] button on remote controller, siren will send out alarm sound if detector is triggered. When press [doorbell] button on remote controller, siren will send out doorbell sound if detector is triggered.

## 3. Detector (Emergency Zone)

### 3.1 Enroll Detector

On enrollment of detector (normal and doorbell zone) status, short press [setting] button once. When you hear one short "Di" along with the first group purple lights on, it means entering the enrollment of first detector (emergency zone). The light flashes if the current one has not been enrolled, and then you can make the detector transmit a wireless alert signal to enroll. Note: the method of transmitting a signal of the detector in this set is to put the magnet and the sensor together (press down the sensor), and then take away the magnet.

and you can see the sensor's red light on to transmit a signal. Enroll successfully if you hear one short "Di" and meanwhile the light turns to be long bright. Notice: If you hear five short "Di", it means that the detector has already been enrolled. (If you want to delete the current one, please follow 3.2 Delete Detector below). Short press [+] or [-] button to shift to the next/previous detector.

### 3.2 Delete Detector

If the current detector has already been enrolled and the light is long bright, long press [+] or [-] button for 3 seconds. When you hear two short "Di" and the light turns to flash, it means that the deletion is successful.

### 3.3 Exit Setup

On enrollment of detector (emergency zone) status, short press [setting] button four times to exit setup and enter standby status.

**Notice:** Detector's emergency zone is 24 hours zone and it's not controlled by arm and disarm. It works normally even when disarm.

## 4. Alarm Time

On enrollment of detector (emergency zone) status, short press [setting] button once. When you hear one short "Di" along with the second group red lights on, it means entering alarm time setup status. Short press [+] or [-] button to set alarm time. Flashing light means that alarm time is 30 seconds; long bright light means that alarm time is 3 minutes.

On alarm time setup status, short press [setting] button three times to exit setup and enter standby status.



## **5. Alarm Volume**

On alarm time setup status, short press [setting] button once. When you hear one short "Di" along with the second group blue lights on, it means entering alarm volume setup status. Short press [+] or [-] button to set alarm volume. Light flashes quickly means that alarm volume is high, light flashes slowly means that alarm volume is low and long bright light means mute mode.

On alarm volume setup status, short press [setting] button twice to exit setup and enter standby status.

### **Notice:**

1/ On mute mode of alarm volume, siren is not controlled by Alarm Time. Alarm time is infinite and it only flashes light. Stop alarm by pressing [disarm] button on remote controller.

2/ On low alarm volume and high alarm volume mode, siren is controlled by Alarm Time. It will stop alarming itself when the time is up.

## **6. Alarm Light**

On alarm volume setup status, short press [setting] button once. When you hear one short "Di" along with all lights on, it means entering alarm light setup status. Short press [+] or [-] button to set alarm light. Red light means that siren flashes red light when alarming, blue light means that siren flashes blue light when alarming and purple light means that siren flashes red and blue lights when alarming.

On alarm light setup status, short press [setting] button once to exit setup and enter standby status.

## > Instructions

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### **Standby Light Prompt**

On standby status, short press siren's [setting] button twice continuously. When you hear two short "Di", it means opening or closing standby light prompt function. It is red light when press [arm] button on remote controller, blue light when press [disarm] button on remote controller and purple light when press [doorbell] button on remote controller.

When open standby light prompt function, short press [+] or [-] button to adjust light brightness.

### **Arm/Disarm**

**Arm:** It refers to arm all detectors of whole house. When detector is triggered, siren will alarm immediately.

**Disarm:** It refers to stop all detectors working or terminate siren alarming. Siren will not alarm even if detector is triggered (24 hours zone works normally even when disarm).

On standby status, short press remote controller's [arm] or [disarm] button to arm or disarm. Arm successfully when you hear one short "Di"; Disarm successfully when you hear two short "Di".

**Arm delay 30 seconds:** Short press remote controller's [arm] button twice continuously (less than 5 seconds between each time), which will not trigger the siren to alarm when open or close door or window within 30 seconds. Notice: 24 hours zone is not controlled by arm delay. Siren will alarm immediately when triggered.

### **Door/Window Detection**

Under arming status, the siren goes off immediately when sensor and magnet are separated, thus to prevent intruders attempting to infiltrate through doors, windows, etc.

### **Alarming (Normal Alarming/Tamper Alarming/SOS Alarming)**

When detector is triggered, siren's red or blue light flashes quickly along with alarm sound of the buzzer. The alarm lasts for 30 seconds or 3 minutes and stops itself (within 30 seconds or 3 minutes, it still alarm even if close door or window of detector).

To turn off the alarm quickly, short press any button on siren (not disarm) or short press [disarm] button on remote controller.

### **Restore Factory Default**

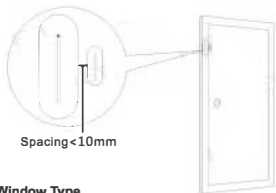
On standby status, long press siren's [+] and [-] button at the same time until hearing two short "Di". It means that the siren has been restored to factory default.

## **> Installation (For Detector)**

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Open back cover of sensor and remove battery insulator, then it enters working status.

Install sensor on door/window frame with double sided tape or screw and magnet on door/window with double sided tape. Please make sure that the triangle symbols of sensor and magnet face each other and the distance between them should not exceed 10mm.



**Notice:**

**1. Door/Window Type**

Avoid installing detector on objects with a lot of metal and wire.

**2. Installation Method**

Suitable for a variety of installation methods. Please do a test before install sensor and magnet to ensure normal working of detector after installed them. After choosing installation position of sensor and magnet, short press remote controller's [arm] button to arm, and then open door or window. If detector's red light on (transmit an alert signal) and then siren goes off, which means that the installation position can make detector work normally.

**3. Tamper Alarm and Anti-Moving Alarm**

Detector's dual tamper alarm and anti-moving alarm: press down back tamper switch over 1 second and then pull out detector over 1 second, and detector's red light on (transmit an alert signal) and then

siren goes off immediately. Notice: the detector's red light on only when operate both "press down" and "pull out" actions. Only "press down" action or only "release" action will not make detector's red light on. When testing detector's installation position, please avoid triggering tamper alarm and anti-moving alarm.

## > Technical Parameter

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### **1.Siren**

Working Voltage: AC 100V-240V

Standby Current: <50mA

Alarm Current: <150mA

Wireless Frequency: 433.92MHz

Alarm Sound:  $\geq 105$ dB

Wireless Receiving Range: 150M (Open Area)

Operating Temperature:  $-20^{\circ}\text{C}\sim+55^{\circ}\text{C}$

Operating Humidity: 40%~80% (without condensation)

### **2.Detector**

Working Voltage: DV 3V (2\*CR2032 Battery)

Standby Current:  $\leq 3\mu\text{A}$

Alarm Current:  $\leq 20\text{mA}$

Wireless Frequency: 433.92MHz

Wireless Transmitting Range: 150M (Open Area)

Operating Temperature:  $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$

Operating Humidity:  $\leq 80\%$  (without condensation)

Standby Time: 3 years (always power on and operate 10 times everyday)

### **3.Remote Controller**

Working Voltage: DV 3V (1\*CR2032 Battery)

Standby Current: <1 $\mu$ A

Alarm Current: <20mA

Wireless Frequency: 433.92MHz

Wireless Transmitting Range: 100M (Open Area)

Operating Temperature: -10°C~+60°C

Operating Humidity: <80% (without condensation)

Housing Material: ABS Flame-resistant Material

Standby Time: 3 years (always power on and operate 10 times everyday)

## **> Maintenance**

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### **1.Detector**

Auto Detection of New or Old Battery

Old battery: When the voltage of battery < 2.4V, the green light of detector flashes once. New battery: When the voltage of battery > 2.4V, the red light flashes once and detector will send signal of low power recovery to alarm panel.

Battery Low Power Prompt

When the green light of detector flashes once every 15 seconds or alarm panel appears battery low power prompt, which means that the battery of detector appears low power.

Please replace the battery in time.

## **2.Remote Controller**

The reasons that remote controller can't work normally:

1/ It doesn't enroll successfully. Please enroll it. If it has already been enrolled, please operate the next step.

2/ It appears battery low power. Please replace the battery.

*Indoor Wireless Acousto-Optic Siren User Manual*  
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