

# Outdoor Wireless Acousto-optic Siren User's Manual

## 1. Brief Introduction

The outdoor wireless acousto-optic siren adopts 8 bit MCU technology, built-in 48 LED lights, 2 wired zone Interfaces, 2 120dB buzzers and 1 built-in 12V/1.2A Lead-acid battery. The outdoor wireless acousto-optic siren not only can connect with the alarm host via wireless transmission, but also can be used as an alarm host and a repeater. It is widely used in banks, shops and villas etc.

When the outdoor wireless acousto-optic siren works with wireless alarm host by wireless transmission, alarm host can input the outdoor wireless acousto-optic siren address, or directly learning with the outdoor wireless acousto-optic siren. The outdoor wireless acousto-optic siren's tamper alarm, AC information, battery voltage information are all transmitted to the alarm host via wireless signal. Then the alarm host notifies the user about the alarm information via SMS, center and voice. The outdoor wireless acousto-optic siren also can indicate alarm host arm / disarm status.

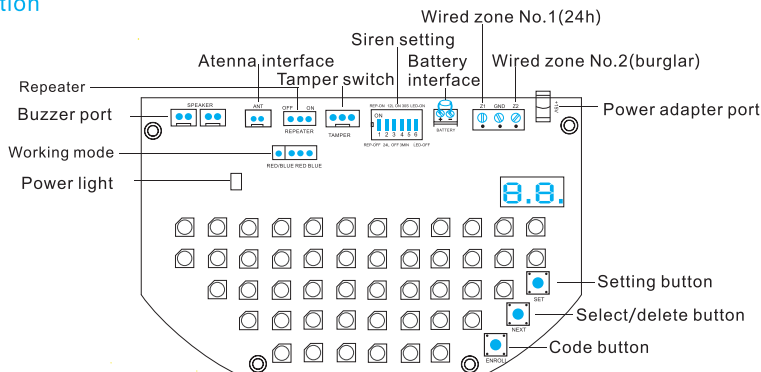
Users can buy the relative remote controls and detectors according to their demand when the outdoor wireless acousto-optic siren is used as the alarm host. It can connect with these wireless accessories and become a powerful independent alarm system.

The outdoor wireless acousto-optic siren can also be used as a repeater, which can increase the wireless launch distance effectively.

## 2. Function Features

- ◆ Used as a repeater, it can transmit 32 wireless accessories.
- ◆ 3 colors of indicator lights flashing modes. ( Red/ Blue/ Red+Blue )
- ◆ Design for preventing the siren being removed maliciously .
- ◆ Acousto-optic notice when operating Arm /Disarm.
- ◆ Status reports including the alarm from siren itself, tamper alarm, alternating current information and battery voltage.
- ◆ Support 8 remote controls, 32 detectors.
- ◆ Built-in 2 NC type wired zone interfaces. Zone No.1 for 24 hours defend and zone No.2 for burglar defend.
- ◆ Two optional ways to pair: wireless pair and inputting siren numbers to pair.
- ◆ Optional acousto-optic alarm notice when A/C is off.
- ◆ Optional light alarm notice on standby status.
- ◆ 120dB alarm sound, flashing lights, a strong deterrent.
- ◆ Built-in 12V/1.2A Lead-acid battery, up to 24 hours of stand-by time
- ◆ Built-in balance device, convenient to install in horizontal direction.

## 3. Interface definition



### 3.1 Siren Setting

#### ① Report transfer

**REP\_ON**: Reports of the wireless siren will be transferred to the panel.

**REP\_OFF**: Reports of the wireless siren will not be transferred to the panel.

#### ② LED light

**12L**: 12 LED lights flashing

**24L**: 24 LED lights flashing

#### ③ AC power failure alarming

**ON:** Alarm sound with light prompt when AC is off

**OFF:** No alarm notice when AC is off

#### ④ Types of alarm voice

**1T:** Only 1 voice when alarming

**6T:** 6 kinds of voice when alarming

#### ⑤ Alarm time

**30S:** 30 seconds of alarm sound

**3MIN:** 3 minutes of alarm sound

#### ⑥ Light notice when standby status

**LED\_ON:** Light alarm notice when siren is in standby status

**LED\_OFF:** No light hint when the siren is in standby status

### 3.2 Power light

**Long ON:** Alternating Current is normal

**Light OFF:** Battery-Powered

### 3.3 Working Mode

**Blue:** The indicator light is blue

**Red:** The indicator light is red

**RED/BLUE:** Wireless siren indicate light is red and blue

### 3.4 Status Lights

#### ① Blue

**Light OFF:** The outdoor wireless acousto-optic siren/ the alarm host is at disarm or unknown status.

**Flashes once every three seconds:** The outdoor wireless acousto-optic siren/ the alarm host is at arm status.

**Fast Flashing:** The outdoor wireless acousto-optic siren/ the alarm host is alarming.

#### ② Red

**Light OFF:** The outdoor wireless acousto-optic siren/ the alarm host is at disarm or unknown status.

**Flashes once every three seconds:** The outdoor wireless acousto-optic siren/ the alarm host is at arm status.

**Fast Flashing:** The outdoor wireless acousto-optic siren/ the alarm host is alarming.

#### ③ Red+Blue

**Blue lights fast flashes 4 times every second:** The outdoor wireless acousto-optic siren/ the alarm host is at disarm or unknown status.

**Red lights fast flashes 4 times every second:** The outdoor wireless acousto-optic siren/ the alarm host is at arm status.

**Alternately flashes blue and red lights:** The outdoor wireless acousto-optic siren/ the alarm host is alarming.

### 3.5 Transmitting Mode

**ON:** Turn on transmitting mode

**OFF:** Turn off transmitting mode

**Note:** Checking AC power outages need to take 20 seconds of checking time.

## 4. Operation Instruction

### 4.1. Remote Control

#### 4.1.1. Enroll Remote Control

**Step1:** Under the normal status without alarm event, long press “SET” button with 3s until heard a short “Di” and address “E1” will be shown in LED, then user can start to enroll remote control. The current address in LED refers to the current remote control to be enrolled.

**Step2:** If user wants to enroll the next address “E2” please press “NEXT” button to the next one, the same as E3, E4. . .

**Attention:** If the current address in LED is flashing, it means the current remote control has not been enrolled and user can press any button of remote control to enroll. If enrollment succeeded, the siren will prompt a short “Di”, meanwhile address in LED will turn flashing into long bright, it means remote control enrollment succeed. If the current address in LED is long bright, it means the current address has been already enrolled. User should delete previous one to re-enrolling. If heard 1 long “Di”, it means the remote control has already been enrolled.

#### 4.1.2. Delete Remote Control

In remote control enrolling status, press "NEXT" button with 3s to delete the existing remote control. After user heard 2 short "Di" from siren and the indicator turned long bright into flashing, deletion is successful.

#### 4.1.3. Exit Remote Control Enrollment

In remote control enrolling status, short press "SET" button twice to exit.

### 4.2. Detector

#### 4.2.1. Enroll Detector

**Step1:** Under remote control enrolling status, short press "SET" button once, then siren enters the detector enrollment. The address "01" in LED refers to the current zone to be enrolled.

**Step2:** If user wants to enroll the next address "02", please short press "NEXT" button to the 2<sup>nd</sup> zone, the same as 03, 04. . .

**Attention:** If the current address is flashing, it means the current detector has not yet been enrolled and user can enable detector to transmit alarm signal to be enrolled. If enrollment succeeded, siren will prompt a short "Di", meanwhile address in LED will turn flashing into long bright, it means successful enrollment of detector. If the current address in LED is long bright, it means the current address has been already enrolled. User should delete previous one before re-enrolling. If heard 1 long "Di", it means the detector has already been enrolled.

#### 4.2.2. Delete Detector

In detector enrolling status, press "NEXT" button with 3s to delete the existing detector. After user heard 2 short "Di" and the indicator turned long bright into flashing, deletion is successful.

#### 4.2.3. Exit Detector Enrollment

In detector enrolling status, short press "SET" button once to exit.

### 4.3. Enroll Siren

Under siren standby status, short press "ENROLL" button once, siren will emit wireless enrolled signal to host, then alarm host enter siren enrolled status, when user hear a short "Di" from alarm host, it means siren enrollment succeed.

### 4.4. Repeater

#### 4.4.1 Enroll Repeater

**Step1:** Long pressing "SET" and "NEXT" buttons for 3 seconds at the same time, after hearing a short "Di", the siren enters the detector enrollment. The address "01" in LED refers to the current detector which need be transmitted is enrolled.

**Step2:** If user wants to enroll the next address "02", please short press "NEXT" button to the 2<sup>nd</sup> detector, the same as 03, 04...

**Attention:** If the current address is flashing, it means the current detector has not yet been enrolled and user can trigger the detector. If enrollment succeeded, siren will prompt a short "Di", meanwhile address in LED will turn flashing into long bright, it means successful enrollment of detector. If the current address in LED is long bright, it means the current address has been already enrolled. User should delete previous one before re-enrolling. If heard 1 long "Di", it means the detector has already been enrolled.

#### 4.4.2. Delete Repeater

In repeater enrolling status, press "NEXT" button with 3s to delete the existing repeater. After user heard 2 short "Di" and the indicator turned long bright into flashing, deletion is successful.

#### 4.4.3. Exit Repeater Enrollment

In repeater enrolling status, short press "SET" button once to exit.

## 5. Copy the siren address

### 5.1. Copy the siren address

Press the "ENROLL" and "NEXT" keys for 3 seconds at the same time, hear the one short "beep", enter the copy alarm address status, and red and blue light of siren is on. If the red and blue indicator is flashing, it means the factory address. Then long press the "ENROLL" button, short press "ENROLL" button of the siren which you want to copy; if the copy is successful, the alarm will prompt one short "Beep", while the alarm red and blue indicator will stop flashing into a long light, suggesting that the transponder replication is

successful; if the alarm red and blue indicator is long bright, indicating that the current address of the siren has been copied, the user must deleting first and then you can re-copy.

## 5.2. Delete the copy siren address

Press the "NEXT" key for 3 seconds to clear the copy address of siren and return to the factory address, and will prompt the two short "beep" and the siren red and blue indicator changes from long bright to Flash, indicate delete success.

## 5.3. Exit the copy siren address

In the copy siren address state, short press "SET" key, will exit the copy siren address state.

## 6. Recovery Factory Default

After the outdoor wireless acousto-optic siren power on, long press "SET" and "ENROLL", until hear 2 short "DI", It means that the siren has been back to factory default.

## 7. Technical parameter

Size specification: 320mm\*213mm \*94mm \* (length \* width \*thickness)

Working voltage: DC 15V

Battery: 12V/1.2Ah

Standby current: <35mA/15V

Alarm current: < 400mA/15V

Siren alarm sound: >120dB

Wireless receiving frequency: 433.92MHz

Use environment: working temperature -20°C~ +55°C relative humidity 40 ~ 80%

Wireless receiving frequency: 433.92MHz

Wireless transmitting distance: ≥ 450 Meter (open area)

Wireless receiving distance: ≥ 450 Meter (open area)

## 8. Note

- ① Users should re-switch on the power every time they reset the siren
- ② The outdoor wireless acousto-optic siren can reduce accident, but can't prevent anything.  
Please don't relax your vigilance, and improve safety consciousness.

## 9. Limitation of the system

While the siren is an advanced design outdoor wireless acousto-optic siren, it doesn't offer guaranteed protection against burglar or fire or other emergency. Any alarm systems, whether commercial or residential is subject to compromise or failure to warn for variety of reasons.

For example:

- ① Owing to the omission of the user, the system was not armed.
- ② Misunderstanding on the user's manual by the user or installers causes the abnormal working of it.
- ③ It's exiting no-power or battery-aging.
- ④ It may not alert people or wake up sleepers if they are located on the other side of closed or partly open doors.
- ⑤ The most common cause of an alarm system not working when an intrusion or fire occurs is inadequate maintenance.

This alarm system should be tested weekly to make sure all sensors and transmitters are working properly.

If you disagree with the above mentioned items, please make sure the outdoor wireless acousto-optic siren is all-in-good and return the outdoor wireless acousto-optic siren to our company within 3 days from purchasing day. Or we consider that you agree with the above items.