

## Solar Power wireless Strobe Siren Manual

### ATLO-AH-SL523

#### Production Introduction

Solar strobe siren is the device which the built-in battery charged by solar power, it can transmit the controlling signal by wireless or wired method.

It can be power wireless, signal wireless, it improve the flexibility of the wireless system, also can structure the multi wireless siren alarming in different direction, which can frighten the intruder.

This solar powered alarm siren with wireless or wired signal transmission allows for wire-less (power) and wireless (signal) installation and operation with great ease for deterring intruders. It works either as a siren when connected with alarm control panel, or as a local alarm host when connected with compatible wireless accessories. Equipped with infrared sensing and low power consumption ICs, this novel and compact device is widely used in villas, communities, shops, factories, schools, banks, etc. featuring longtime standby, anti-EMI, anti-false alarm and IP65 water resistance for outdoor conditions.

#### Feature:

- 20x wireless defence zones, 2x wired Defence zones
- Up to 5x remote controllers supported.
- Tamper alarm
- Acoustic and light alarm
- Wireless coding for easily adding new accessories.
- One-button operation: Arm, Home Arm, SOS, Disarm
- Solar power charging supported:  $\geq 4\text{mA}$  under 2000LUX condition
- Memory for paired accessories against power outage.
- High capacity lithium battery built in.

#### Technical Parameter

External Power Input: DC5V/1A ; Solar Panel Output: 5.0V

Standby Current:  $< 1\text{ mA}$  ; Alarm Current:  $< 150\text{mA}$

Sound Level:  $> 100\text{dB}$ ; Wireless Frequency: 433MHz

Wireless Reception Range:  $> 100\text{m}$ (open space)

Water Resistance: IP65 Wireless Coding: EV1527/2262 supported

Backup Battery: 3.7V 1000mA Lithium battery

Working Temperature:  $-20^{\circ}\text{C} - 55^{\circ}\text{C}$

Working Humidity: 40%-80%(no condensing)

#### Jumper Setting

(1) Alarm Tone Selection:

No jumper on JP2 and JP3 for police; Jumper on JP2 for fire alarm; Jumper on JP3 for ambulance

(2) Siren Duration Selection: No jumper on JPI for 5min duration ; Jumper on JP1(Pin1 and Pin2) for 1min duration  
Jumper on JP1(Pin2 and Pin3) for 3min duration

(3) Infrared:

Jumper on JP5 to enable infrared ; No jumper on JP5 to disable infrared

(4) Siren Mode Selection:

Jumper on JP4 for acoustic and light alarm ; No jumper on JP4 for light only

**Note:** selection settings you make would turn effective ONLY after a power cycle

## Function Setting

### 1 .Initialization

Plug the power adapter into an outlet before you flip the power switch on the bottom. The built-in buzzer would sound twice with the indicator flashing twice.

### 2. Connection for Wired Zones

(1) CN1 for wired zone 1: Z0 for GND

(2) CN1 for wired zone 2: Z1 for GND

### 3. How to Pair a Remote Controller

Press and hold the SET button till the siren sounds and flashes once, then release the button, siren flashes quickly, entering pairing mode . Press any button on remote control to emit a signal, the siren would sound twice if the signal is learned successfully. Press on the next remote controller, if you' d like to pair an extra one. Siren exits paring mode if no signal is received within 10s.

### 4. How to Pair a Wireless Detector

Press and hold the SET button till the siren sounds and flashes twice, then release the button, siren flashes quickly, entering pairing mode . Trigger the wireless detector to emit a signal, the siren would sound twice if the signal is learned successfully. Trigger the next detector if you' d like to pair an extra one. Siren exits paring mode if no signal is received within 10s

### 5. Working as a Wireless Siren

To set this device as a wireless siren, press and hold the SET button till the siren sounds and flashes 3 times,, then release the button, siren flashes quickly, entering pairing mode . Trigger alarm control panel to emit a signal, the siren would sound twice if the signal is learned successfully.

### 6. How to Delete All Accessories

Press and hold the SET button till the siren sounds and flashes 4 times, then release the button, siren sounds twice, deleting all remote controllers and detectors.

### 7. Siren Status

Armed status: all accessories can trigger the siren. Disarmed status: only the accessories configured in SOS zone can trigger the siren. Alarm status: strobe sirens goes off, and exits automatically (if no manual operation) after the preset siren duration.

### 8. Remote Controller

Remote controller allows you to operate the siren remotely.

Away Arm: press[ ] to arm when you' re outside home.

Disarm: press[ ] to disarm.

Stay Arm: press [ ] to arm when you' re at home.

SOS: press[SOS] to set off the strobe siren.

## Installation attention:

1. The siren is suggested to be installed at the physical center of your house or premises for the best reception from all wireless detectors.

2. Screw the mounting plate into the wall with the included screws and anchors, with the ears on the top. Attach the siren to the mounting plate by aligning it and pulling it downwards.