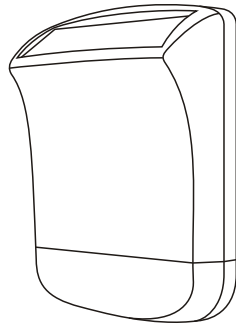


# Solar-Powered Siren

Operation Manual

## SPS-260

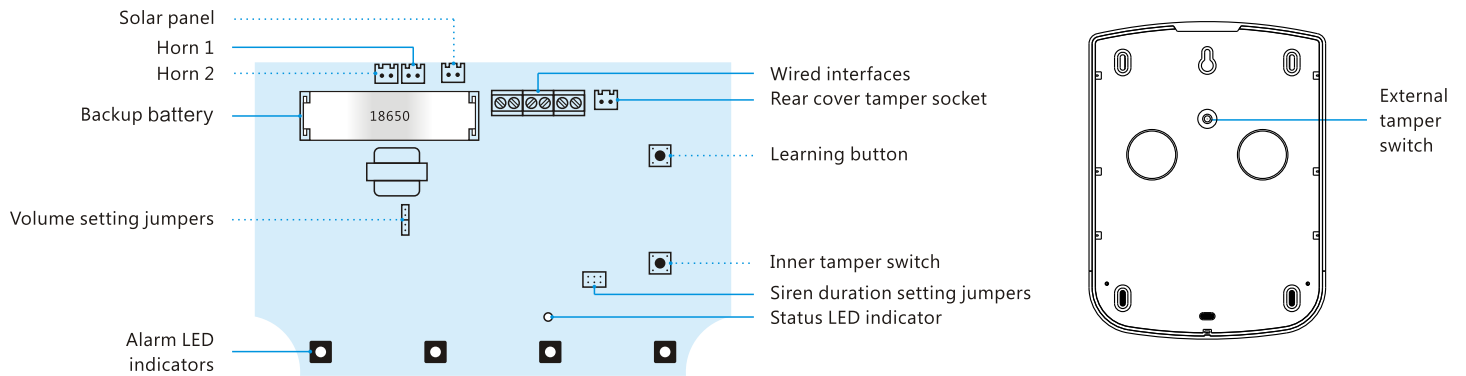


### Product Overview

The solar-powered siren is a totally wireless siren, designed to help protect yards, driveways, gardens and all types of other external locations. The Strobe Siren is battery powered and kept re-charging by the built-in Solar Panel (or 12V DC power for optional). The signal transmission is all by wireless radio frequency which achieves significantly wirefree transmission and enhances the flexibility to install. Users can install some outdoor strobe sirens to deter the intruders in Omni-directional guard.

The strobe outdoor siren can be used as a wireless siren by connecting to the control panel as well as a standalone alarm system to work with wireless accessories in same frequency by learning.

### PCB Layout



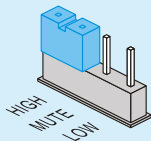
#### Note:

A blister covered on the PCB is for moisture proof. If user wants to setup the siren, please slightly open the blister from the bottom side. After setup, please cover the blister back. A special solid glue is used on the blister for repeated opening and closing.

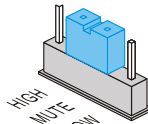
### Jumper Setup

#### Volume Setting

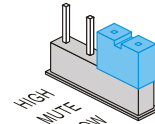
High (default)



Mute

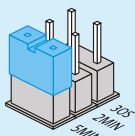


Low

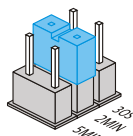


#### Siren Duration Setting

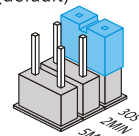
5minutes



2minutes



30 seconds (default)



## Usage

Work as wireless siren, it is a control panel based system: the siren should be connected with wireless alarm panel.

When wireless alarm panel is alarming, wireless siren will hoot and the strobe light will flash.

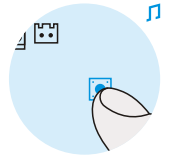
After siren duration time, if disarm is not operated, the status indicator of siren will flash once every 10 seconds to inform user or patrol police that the alarm system has been triggered. The LED indication lasts for 1 hour.



### Connect to Alarm Panel

Press the learning button (0.5 seconds), the system goes into learning status after one beep is heard. Press **SOS** or **Arm** button on the panel. The wireless accessory is learned successfully after another beep. To give up the learning, press the learning button again to exit learning status after two beeps.

**Notes:** Please don't trigger any accessory during connecting with alarm panel.



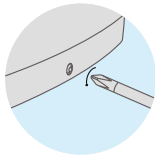
## Installation

Testing the siren before mounting:

Arm the alarm panel by remote control to check if there's confirmation beep coming from wireless siren.

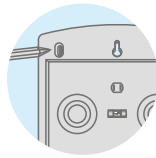
1

Remove the fixing screw from the bottom edge of the siren housing and carefully hinge off cover.



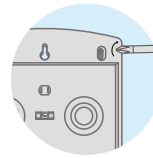
2

Hold the mounting plate in position and mark the positions of the four mounting holes. A spirit level placed on the casing will ensure a perfect level.



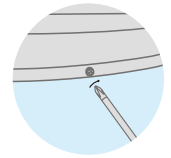
3

Drill four holes and fit the wall plugs, and then fit supplied 5mm fixing screws in the holes.



4

Hinge the front cover locating tabs over the top edge of the back plate and carefully push the base of the siren cover into place. Secure the siren cover in place by refitting the fixing screw in the bottom edge of the cover. Do not over tighten the screw as this could damage the thread.



## Specifications

**Backup Power** 18650 3.7V 1200mAh rechargeable lithium battery

**Solar Panel Output Current** 2000LUX illumination  $\geq 4\text{mA}$  (in sunlight)

**Maximum Alarm Current**  $\leq 350\text{mA}$

**Wireless Receiving Distance**  $\leq 80\text{m}$  (in open area)

**Operation Condition:**

Temperature  $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$

Humidity  $\leq 80\% \text{RH}$  (non-condensing)

**Maximum Siren Volume** 110dB

**Static Current**  $\leq 1.2\text{mA}$

**Standby Time**  $\leq 30$  days (in case of no sunlight)

**Wireless Receiving Frequency** 315MHz or 433MHz ( $\pm 75\text{KHz}$ )

**Housing Material** PC + ABS + ANTI-UV

**Size (L x W x H)** 309 x 230 x 79.7mm