

Safety Information

- Refrain from using while it is charging.
- DO NOT drop, strike, or shake the device.
- DO NOT use in high-temperature environments.
- DO NOT disassemble as it may cause malfunctions.
- DO NOT charge in voltage over 5V, 2Amps.

FCC Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Customer Support

Address : 165 North Archer Avenue Mundelein, IL 60060, USA

Mobile : 1-224-619-6579

Email : iot@amosense.com

AMOSENSE Co.,Ltd.



User Manual



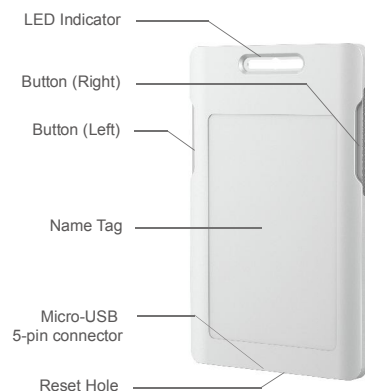
ATOZ

Personal ID Tracker

SB50-SW

Product Overview

- Two buttons on each side to prevent malfunction
- RFID/NFC Tag (Door Tag)
- Haptic feedback for button or event alert trigger
- Geo-location using WPS



Specification

RF	: Sigfox RC1/2/3/4/5/6 Uplink Class0u(>12dBm EIRP for RC1, >20dBm@RC2)
MCU	: 32-bit Arm® based Cortex®-M0, 256KB Flash
Geolocation	: 2.4GHz WiFi Sniffing
Connectivity	: 2.4GHz Bluetooth LE 5.0 (BLE Advertising) 13.56Mhz NFC (MiFARE DESFire)
Antenna	: Internal Sigfox/WiFi/PCB pattern
User Interface	: 7-color LED Indicator (Batt., TX/RX, Alert, Successful button press, Charging)+ Push Button(2ea) & Haptic vibration
Embedded Sensors	: 3-axis nano accelerometer : ±2~16g
Rfid	: Mifare classic 4K
Battery	: Rechargeable Lithium-polymer cell (3.3V 500mAh) with micro-USB 5-pin connector
Charging	: 5V micro-USB, Wireless Power Charging

Turning on



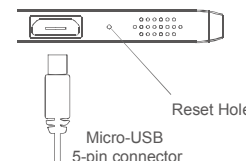
When both buttons are pressed at once, toggle LED turns on and then noise level and vibration level alarm goes off.
Message Transmission / Tracking mode feature is activated.

Emergency Mode

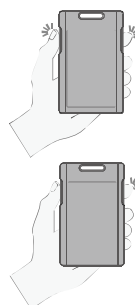


NFC Tag feature is triggered by the usual motions

Charging & Rebooting



Normal Mode



Press both buttons for three seconds

1. Transmitting messages: sound of alarm siren, LED, vibration, message transmitted after 10 seconds
 2. Canceling false alerts: press both buttons within 10 seconds after sirens go off
 3. Siren turned off: press both buttons for three seconds
 4. Siren muted : press right button for three seconds
- *The Sigfox TX message is sent after WiFi scanning.

BLE Mode



1. BLE mode on : press left button for five seconds
 2. BLE mode off : press left button for five seconds
- *BLE mode
1. enables engineers to update firmware via BLE.
 2. When BLE mode is on, the normal mode function does not work.