

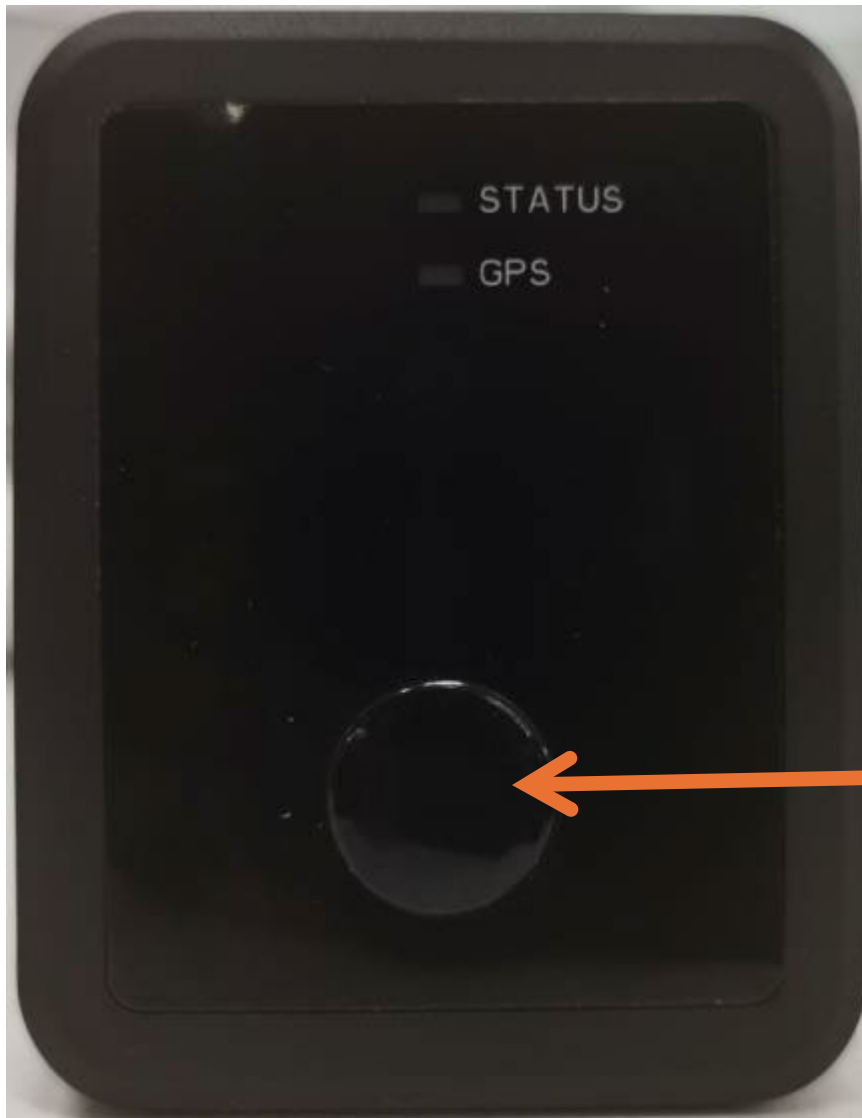


BB100Q Mini Battery Powered GPS Asset Tracker

User Guide

Power On/Off

1. To power the device ON, Long Press the Power Button indicated in the image below for 3 seconds until the Status and GPS LED lights illuminate, indicating device power is on. NOTE - The Battery Power Switch (see 3. below) must be in the ON position. Btracking ships your device with the battery switch in the ON position.
2. To power OFF the device, Long Press the Power Button for 3 seconds until the LED lights go off (and remain off).



3. Battery Power Switch – to access the switch, unscrew the 4 small screws on each corner of the enclosure, open the enclosure cover, and slide the battery switch to the UP position to turn battery ON, to the DOWN position to turn battery OFF. The image below shows the Battery Power Switch in the ON position.



Reporting Frequency and Battery Life

The BB100Q location report frequency is fully configurable at any time over the air. The device can detect movement and tilt for more frequent reports when in motion. Battery life is directly affected by the frequency of location reports sent. This is a rough guide to battery life:

- Up to 5 years at 1 report/day via BLE only (i.e., no cell, no GNSS)
- Up to 4 years at 1 location/day via cell tower locating (i.e., cell only, no GNSS)
- Up to 3 years at 1 GNSS report/day (i.e., cell and GNSS)

Battery Replacement

The BB100Q has a replaceable Lithium manganese dioxide 2400mAh battery. To replace the battery:

- Unscrew 4 small screws and open the enclosure cover
- Slide the Battery Power Switch down to the OFF position
- Disconnect the white battery connector from the board. The battery is under the board. Gently lift the board from the enclosure, remove the battery, install a new lithium manganese dioxide 2400mAh battery, replace the board in the enclosure, and reconnect the battery connector
- Slide the Battery Power Switch up to the ON position (if placing unit in use)
- Replace enclosure cover and screw in place
- Dispose of the battery in accordance with local regulations

Mounting

The BB100Q can be mounted with 2-sided adhesive tape (included).

Placement of an asset tracker is key to ensuring seamless tracking and obtaining accurate location. Position the trackers in such a way that there is as little metal and other obstructions in the way. If possible, face the label side toward the sky as the GNSS antenna is closest to that side of the device.

Sensors

BB100Q has BLE 5.2 to support optional wireless sensors for temperature and humidity monitoring.