

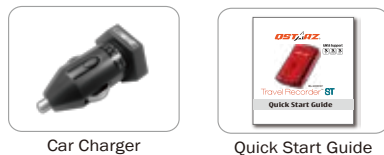


Travel Recorder™ ST

Quick Start Guide

01 What's in the box

Please make sure you have everything included in the package



02 Installing the Battery

- Remove the back cover by pushing the battery cover release tab with your thumbnail.
- Insert the battery, and align the battery contacts with the terminals in the battery compartment.
- Place the back cover over the battery compartment, and press it downward until it clicks into place.



03 Charging the BL-1000ST

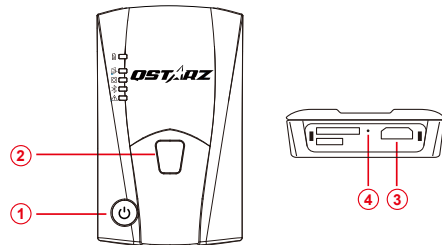
Please FULLY charge the BL-1000ST for the first time use by connecting the supplied Micro USB cable through computer or car's cigarette adaptor.



- Green LED On: On Charging
- Green LED Off: Fully Charged

Caution: Risk of explosion if Battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

04 BL-1000ST Function Buttons



- Power button:** Press 3 seconds to power On. Press to show battery status. (Top to down each LED indicates 20%)
- POI button:** Press to record point of interest. Press & hold 1 second to calibrate g-sensor.
- Micro USB Jack:** Device charging/ Downloading/ Updating firmware.
- Reset Button:** Shut down the device (Inside the rubber cover).

05 LED Indicators

| LED symbol | LED Color | Status | Description |
|------------|-----------|------------------|--|
| Power | Orange | Flashing | Low Power |
| | Green | On | Recharging under power off |
| | Off | N/A | 1. Fully charged. 2. Device power off or sleep mode |
| Memory | Orange | Flash 3 times | POI pressed , POI(Point of Interest) is recorded |
| | Orange | Flash per 2 sec. | Low memory (less than 20% left) |
| | Orange | On | Memory is full or SD card error |
| GPS | Off | N/A | 1. Memory has adequate capacity 2. Device power off or sleep mode |
| | Green | On | GPS position is fixed, device is logging |
| | Off | N/A | 1.GPS position not fixed 2.Memory is full 3.Device power off or sleep mode |
| Bluetooth | Blue | Flash | Searching for device |
| | Blue | On | Bluetooth connected |
| Alarm | Orange | On | 1.GPS is not connected with satellite 2.Memory is full |
| | Orange | Flash | Device enter into sleep mode |
| | Off | N/A | 1.GPS position is fixed 2.Device power off |

06 Beep Code

*Beep can be turned off from software -> Config GPS.

| Status | Beep code | Description |
|--------------|-------------------------|---|
| Power On | 1 long beep | One long beep when device switch On. |
| Power Off | 1 long and short beep | One long and short beep when device switch Off. |
| GPS fixed | 2 short beep | 2 short beep when GPS location is fixed. |
| POI button | 3 short beep | 3 short beep when POI button being pressed. |
| Memory Full | 3 long beep | 3 long beep when the device is out of memory. |
| Sleep mode | 1 long and 1 short beep | 1 long and then 1 short beep when the device enters sleep mode. |
| Memory error | Long continuous beep | Micro SD Card error or is not detected. |

07 Acquiring Satellite Signal

- Hold on Power button to power on BL-1000ST.
- Place the device outside under clear view of sky to acquire GPS signals.
- Acquiring GPS signals may take few minutes. The GPS LED is off when it is searching for GPS Satellite signal, and turning to solid Green when GPS is fixed and starts logging data.

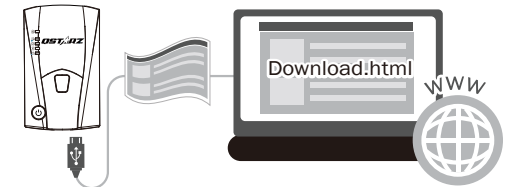
08 Update firmware

- Download and extract the firmware from Qstarz web site <http://www.qstarz.com/download.php>
- Power off BL-1000ST and connect with computer via Micro USB cable.
- Copy the firmware file **FW.qst** to the root directory of BL-1000ST Micro SD card.
- Unplug the Micro USB cable, and firmware update will begin automatically. LEDs will light on alternately during the update process.
- Once firmware update is completed, the device will turn off automatically.

09 Install QTravel Software

Power off your BL-1000ST device and connect it with Computer, and browse the root directory of BL-1000ST in My Computer. Find the "Download Index.html" file and click it with internet connection. A download webpage will pop-up, then click on the link and follow the on screen steps to install QTravel software and read related information. (For the first time use of QTravel, please input software key which is located at Qstarz warranty card.)

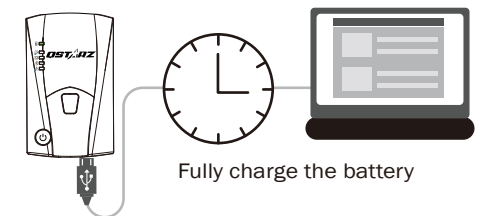
* QTravel track data managing software is for PC Windows OS only.



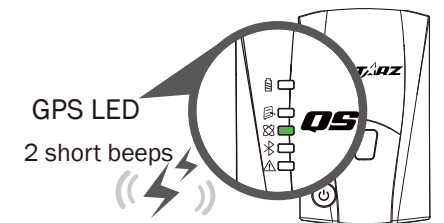
* Read the detail operation on QTravel User Manual: Click Help > Users Manual

10 Start to use

- Fully charge the battery when using at the first time. A fully charged battery can last up to 25 hours continuously operation (under optimum condition).

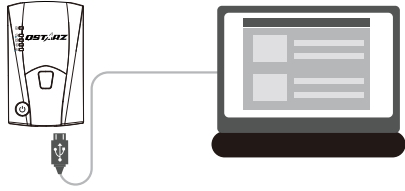


- Getting satellite fixed



BL-1000ST is built in GPS module which needs to be used in outdoor environment. Power on your BL-1000ST, and will start to acquire the satellites position. Once the GPS position is fixed, GPS LED will turn to solid Green, BL-1000ST can be used to record the travel path or navigate as Bluetooth receiver with handled devices.

3. Connect BL-1000ST with your PC



Please turn off device and connect BL-1000ST with your PC by attached Micro USB cable.

4. Start the QTravel software



QTravel™ is the best Geotagging software to integrating your travel track and photo together easily. Support track editing, playback, import/export Wizard and Smart log management. At the first use please input software key which is located at Qstarz warranty card.

* For detail QTravel functionality, please refer to QTravel Users Manual attaching with Software

11 Bluetooth compatibility

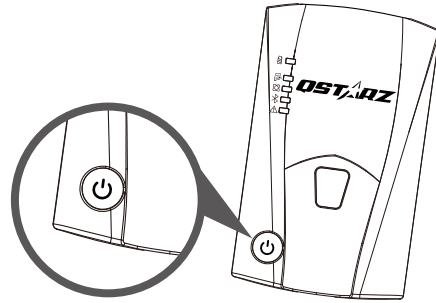
- BL-1000ST is compatible with most iOS and Android handheld devices.
- Due to hardware and manufacturer variability, we have not verified compatibility with every Android device.
- Connect with handheld device by Qstarz BLE GPS View App as example.

* Download the Qstarz BLE GPS View APP on App Store or Google Play



Qstarz BLE GPS View

1. Power on BL-1000ST.



2. Turn on your mobile phone's Bluetooth feature.

- iPhone Setting > General > Bluetooth > On
- Android phone Setting > Wireless & Networks > Bluetooth: On > Searching for available devices > Select BL-1000ST device to make pairing

3. Start Qstarz BLE GPS View APP on your phone.

- iPhone: Qstarz BLE GPS View APP will auto search for new BLE device.
- Android phone: Bluetooth pairing is completed. Qstarz BLE GPS View APP will add the new BL-1000ST device into list.

4. Your BL-1000ST device ID will be shown with Orange after found. Select the device ID you want to connect, and press Bluetooth icon for iPhone or press turn on slide for Android phone to make connection.



5. On APP your BL-1000ST device ID turns to green, and device blue LED will turn to steady On. This means Bluetooth connection is completed and ready to use.



6. Start to view GNSS status information, recording GNSS data, save GPS records, or export to CSV files.



12 Product Specifications

- Adopt high sensitivity GNSS chip and 3-axis accelerometer
- Bluetooth 4.0 BLE enabled device
- 1Hz Log rate (default set as recording 1 waypoint every 5 second)
- POI button design to record your point of interest immediately
- 5 LED indications to view device status
- Device recognized as USB removable disk for data access with computer conveniently
- Case: Rugged, but not water-resistant
- Power Supply: Rechargeable Lithium-Ion battery, 25hours operation (typical use)
- Temperature: Operating -10~60°C/ Charging 0~45°C/ Storage -20~60°C

13 Product Care

- Please take out the battery and store it in dry/cool places when not use for a long period.
- If the device isn't used in temperature between -10°C ~ 60°C, its battery charging capability will decrease.
- Leave the device far from heat or high temperature environment. And also, do not expose your device in temperature higher than 145°F/60°C to prevent the inside battery from overheating, exploding or burning itself. The Lithium battery inside the device should be recycled.
- Do not attempt to open the device by yourself. Unauthorized hacking may damage the unit, and void your warranty.
- Micro SD Card error: If you encounter this error, please take micro SD card reader and plug-in your micro SD card. Use "SD Card Formatter v5.0" tool to execute Quick format to FAT32 format.