



GNSS Support



BL-1000GT / BL-1000ST / BL-1000FT / CR-1100F / CR-1100S
BLE GPS DATA RECORDER

Quick Start Guide

01 What's in the box

Please make sure you have everything included in the package



GPS Recorder unit



Li-Ion Rechargeable Battery



Micro USB cable



Quick Start Guide



Dual Lock (Optional)

02 Installing the Battery

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



03 Charging the BL-1000GT

Please FULLY charge the device for the first time use by connecting the supplied Micro USB cable through computer or Wall Charger.

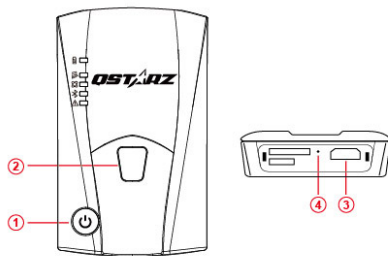


- Green LED On: On Charging
- Green LED Off: Fully Charged

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

Note While driving do not use car cigarette adaptor to charge the device.

04 Device Function buttons



1. **Power button:** Press 3 seconds to power On/Off.
2. **POI button:** Press to record point of interest. / Press 1 second to calibrate g-sensor
3. **Micro USB Jack:** Device charging/ Downloading/ Updating firmware.
4. **Reset Button:** Shut down the device (Inside the rubber cover).

05 LED Indicators

LED symbol	LED Color	Status	Description
	Red	Flashing	Low Power
	Green	On	Recharging under power off
	Off	N/A	1. Fully charged. 2. Device power off or sleep mode
	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
	Off	N/A	1. Memory has adequate capacity 2. Device power off or sleep mode
	Green	Flash	GPS fixed but not logging
	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
	Blue	Flash	Searching for device
	Blue	On	Bluetooth connected
	Red	On	1. GPS is not connected with satellite 2. Memory is full
	Red	Flash	Device enter into sleep mode
	Off	N/A	1. GPS position is fixed 2. Device power off

06 Buzzer Code

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

Status	Beep code	Description
Startup	1 short beep	One short beep on switch ON/OFF
GPS fix	2 short beeps	2 short beeps when GPS location is fixed
POI button	3 short beeps	3 short beeps when POI button being pressed
Memory Full	3 long beeps	3 long beeps when the device is out of memory
Sleep mode	1 long and 1 short beeps	1 long and then 1 short beep when the device enters sleep mode
Memory error	Long continuous beep	SD Card error, SD card not detected

07 Pairing and connecting with a mobile device

(for Model BL-1000GT/BL-1000ST/BL-1000FT)

1. Power on device, the Bluetooth indicator begins to flash.
2. Turn on your mobile device's Bluetooth feature.
 - iPhone Settings > General > Bluetooth > On
 - Android™ Smartphones Settings > Wireless & Networks > Bluetooth: On > Scan for devices
3. Select "Qstarz 1000GT" on your mobile device as a found device. If your device prompts you for a passcode, enter "0000" (four zeros)
4. When pairing is complete and your device is connected to the device, the Bluetooth status indicator on device changes from flashing blue to solid blue.

08 Acquiring Satellite Signal

- Hold on Power button to power on device.
- Place the device outside under clear view of sky to acquire GPS signals.
- Acquiring GPS signals may take few minutes. The GPS LED flashes green when it has connected with GPS satellites. The GPS LED is solid green when it starts logging data.

09 Product Compatibility

The device is compatible with most iOS and Android devices via the Qstarz App.

Due to hardware and manufacturer variability, we have not verified compatibility with every Android device.

Federal Communications Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital devices, 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 service representative for help.

CAUTION Any changes or modifications are not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

10 How to update firmware

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

11 How to install Software

Connect your device with Computer, and browse the root directory of device in My Computer. Double-click the **AutoRun.exe**, and a download page will pop-up. Click on the link and follow the on screen steps to install the software.



12 Specifications

- Adopt high sensitivity GNSS chip and 3-axis accelerometer
- Bluetooth 4.0 BLE enabled device (Model CR-1100F/CR-1100S excluded)
- Log rate up to 10Hz excellent for High speed racing (recording 1 waypoint per 0.1 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, 40 hours 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 device isn't used in temperature between -10°C ~ 60°C, its battery charging capability will decrease.
- Leave 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 battery inside device from overheating, exploding or burning itself. The Lithium battery inside the device should be recycled.
- Do not attempt to open device by yourself. Unauthorized hacking may damage the unit, and void your warranty.