

Model: BL-818GT

Applications:

- **Portable Bluetooth 4.0 GPS Receiver to measure driving performance**
- **10Hz Update rate excellent for high speed Racing activities**
- **Bluetooth BLE wireless connection to iPhone or Android devices**
- **Analyze Circuit Lap timing or Drag performance test**
- **GNSS engine and Acceleration sensor enabled**
- **Supports race analysis, comparison and video with data overlay on the phone via QRacing iOS/Android APP**



Features:

- Adopt high sensitivity **GNSS** chipset
- Bluetooth interface to instantly add GPS to iPhone and Android devices*
- **10Hz** High Speed update every 0.1 second
- Ultra lower power consumption up to **20 hours** operation with Bluetooth connected (under 10Hz)
- Design with Removeable and rechargeable Li-Ion battery
- 5 LEDs and Beeper integration to indicate device status
- Support **G-Sensor button** to calibrate G-sensor immediately
- AGPS and SBAS (WAAS, EGNOS, MSAS, GAGAN) support
- Micro USB port for Charging and Firmware updating
- Download the Qstarz QRacing APP from the App Store or Google Play for race data analysis
- Download the Qstarz BLE GPS View APP from the App Store or Google Play for watching GPS status
- Provide valued added Qstarz Racing analysis Web service

**Transmitting Qstarz specific protocol only*

QRacing – Lap Timing analysis expert

QRacing APP (iOS & Android)

- Apply for Drag Race and Circuit Race
- Lap timing and plot chart analysis
- Video recording and data overlaying
- Lap, Sector, and Split time comparison
- Enhanced racing data analysis
- Auto detect global track map
- Save timing records in list and playback
- Session analysis data export to CSV format
- Racer Profile management



GPS View:

Qstarz BLE GPS View APP (iOS & Android OS)

- Support to connect with Qstarz BLE GPS Devices
- Show the GNSS status information (GPS/GLONASS)
- Show Satellite distribution and GNSS signal strength chart
- Support recording GNSS data after GNSS position fixed
- Save GPS records and export as CSV files
- Show the battery level of the device



Qstarz BLE GPS View



iOS version



Android version

Specifications:

Model	BL-818GT
Product description	10Hz Bluetooth GNSS Racing Receiver
Bluetooth	BLE Bluetooth 4.0
Frequency	GPS/QZSS: L1 1575.42MHz, C/A code GLONASS: L1 1598.0625~1603.375MHz, C/A code
Sensitivity	Tracking -165dBm
Update Rate	10Hz
Acquisition Time	Cold/Warm/Hot Start : 35/34/1 sec. (without AGPS) Less than 15 sec. for cold start (with AGPS)
Position Accuracy	Autonomous: 3m (2D-RMS) SBAS: 2.5m(CEP)50 % (SBAS :WAAS, EGNOS, MSAS, GAGAN)
Datum	WGS-84
Attitude / Velocity	Max Attitude <10,000m Max Velocity <515m/sec, Velocity accuracy: 0.05m/s (with aid)
Keys & LED	<ul style="list-style-type: none">● 3 buttons: Power, G-sensor Calibration and Reset button● 5 LED Indications (Charge, Memory, GPS, Bluetooth, and Alarm)
Battery	Removable and rechargeable lithium-ion
Battery life	Bluetooth connected:-20 hrs (10Hz)
Antenna	Built in GPS Antenna
Sensor	Yes (G-Sensor with $\pm 3G$ dynamic range)
Beeper	Yes
Input Power	DC 5V, 500mA
Interface	Micro USB port (for charging and firmware update)
Firmware Upgradable	Yes (via Micro USB charging port)
Qstarz APP	<ul style="list-style-type: none">- Qstarz QRacing (iOS & Android) for real-time race data analysis, Video+Data Overlay, and after race data view- Qstarz BLE GPS View (iOS & Android) for watching GPS view
Environment temperature	Operating : - 10 °C to + 60 °C / Storage: - 20 °C to + 60 °C Charging: 0 °C to + 45 °C
Unit dimensions	81 x 48 x 19 mm
Weight	69 grams with battery (47 grams without battery)
Accessories	Rechargeable battery, Micro USB Cable, and Warranty Card.