QSTARZ INTERNATIONAL CO., LTD

6F-2, No. 160, Ming Chuan E. Rd., Sec. 6, Taipei, Taiwan, R.O.C. Website: www.Qstarz.com
Tel: 886-2-2792-0061 Fax: 886-2-2792-0062 Email: sales@qstarz.com

Model: BL-1000GT

Applications:

- **Portable Bluetooth 4.0 Racing Recorder to measure driving performance**
- **10Hz Recording excellent for Car or Motor Racing activities**
- **Bluetooth BLE wireless connection to iPhone or Android devices**
- **Analyze Circuit Lap timing or Drag performance test**
- **GPS+GLONASS+QZSS engine and Acceleration sensor enabled for optimizing log**
- **Support race analysis, comparison and video with data overlay on the phone via QRacing iOS APP**

Features:

- Adopt high sensitivity **GPS+GLONASS+QZSS** chipset
- Bluetooth interface to instantly add GPS to iPhone and Android devices*
- **10Hz** High Speed logging mode to record 1 waypoint every 0.1 second
- **Years of capacity** with Micro SD Card logging and no worry multiple-day track logs
- Ultra lower power consumption up to **20 hours** operation with Bluetooth connected (under 10Hz)
- Removeable and rechargeable Li-Ion battery to ensure full track logs
- 5 LEDs and Beeper integration to indicate device status
- Support **POI button** to memorize your point of interest immediately
- Integrate **Acceleration sensor** to smartly manage power saving and movement detection
- AGPS and SBAS (WAAS, EGNOS, MSAS, GAGAN) support
- Micro USB port for Charging, data downloading and Firmware updating
- G-Mouse + Bluetooth in one: wired and wireless GPS receiver
- For Personal/Portable Navigation (Smartphone and PC, etc.)
- Download the Qstarz QRacing APP from the App Store for race data analysis
- Download the Qstarz BLE GPS View APP from the App Store and Google Play
- Bundled with QRacing analysis software (Windows PC)

Transmitting Qstarz specific protocol only

Specification is subject to change without prior notice.

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ALL in the QRacing – Lap Timing analysis expert
QRacing APP and PC Software

QRacing APP (iOS)

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

QRacing PC Software (PC Windows)

- Record and manage your racing track as database structure
- Analyze and plot your racing in graph statistics
- Allow to add multiple beacons
- Auto detect global track map
- Up to 3 lap comparison and replay from different lap or run
- Support Windows PC only

GPS Tool:

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

Specifications:

Model	BL-1000GT
Product description	10Hz Wireless GNSS Racing Recorder
Bluetooth	BLE Bluetooth 4.0
GNSS	GPS/GLONASS/QZSS
Frequency	GPS/QZSS: L1 1575.42MHz, C/A code GLONASS: L1 1598.0625~1603.375MHz, C/A code
Sensitivity	Tracking -165dBm
Recording 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)

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	SBAS: 2.5m(CEP)50 % (SBAS :WAAS, EGNOS, MSAS, GAGAN)
Datum	WGS-84
Attitude / Velocity	Max Attitude <18,000m Max Velocity <515m/sec, Velocity accuracy: 0.05m/s (with aid)
GPS Protocol	NMEA 0183 V4.10
Keys & LED	● 3 Function buttons: Power, POI, and Reset button ● 5 LED Indications (Charge, Memory, GPS, Bluetooth, and Alarm)
Memory Capacity	At least 8GB Micro SD Card
Battery	Removable and rechargeable lithium-ion
Battery life	Bluetooth connected: 20 hrs (10Hz)
Antenna	Built in GPS Antenna
Sensor	Yes (G-Sensor with ±3G dynamic range)
Beeper	Yes .
Input Power	DC 5V, 500mA
Interface	Micro USB port (for charging, data downloading and firmware update)
Firmware Upgradable	Yes (via Micro USB charging port)
Qstarz APP	- Qstarz QRacing (iOS) for real-time race data analysis, Video+Data Overlay, and after race data view - Qstarz BLE GPS View (iOS & Android) for data logging
Software	QRacing PC analysis software (for Windows PC)
Environment temperature	Operating Temp: - 10 ℃ to + 60 ℃ Storage Temp: - 20 ℃ to + 60 ℃ Charging Temp: 0 ℃ to + 45 ℃
Unit dimensions	81 x 48 x 19 mm
Weight	69 grams with battery (47 grams without battery)
Accessories	Rechargeable battery, USB Cable, Car Charger, User's Guide, Warranty Card and Dual Lock.