# QSTARZ®

BL-818GT

Download on the **App Store**

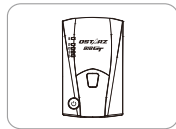GET IT ON **Google Play**

**GNSS Support**
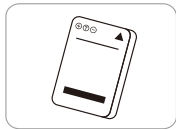
## Quick Start Guide

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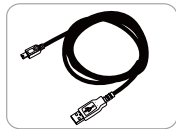
## 01 What's in the box

Please make sure you have everything included in the package.

BL-818GT unit          Li-Ion Rechargeable Battery          Micro USB cable

⚠ **Note**

Product operation guide and download info, please find the Download Index file stored in the memory of BL-818GT and you can read or install accordingly under internet connection.

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## 02 Installing the Battery

①Remove the back cover by pushing the battery cover release tab with your thumbnail.

②Insert the battery, and align the battery contacts with the terminals in the battery compartment.

③Place the back cover over the battery compartment, and press it downward until it clicks into place.

⚠ **Note**

Do not stick anything on back cover.

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## 03 Charging the BL-818GT

Please FULLY charge the BL-818GT for the first time use by connecting the supplied Micro USB cable through computer or car's cigarette adaptor.
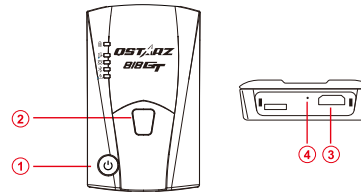
🟩 Green LED On : On Charging
⬜ Green LED Off: Fully Charged

⚠ **Note**

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

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## 04 BL-818GT Function buttons

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④ ③

① **Power button:** Power button: Press and hold to power on/off.

② **G-Sensor button:** Press & hold 1 second to calibrate G-sensor.

③ **Micro USB Jack:** Device Charging and Updating firmware.

④ **Reset Button:** Shut down the device. (Inside the rubber cover)

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## 05 LED Indicators

| LED symbol | LED Color | Status | Description |
|---|---|---|---|
| Power | Orange | Flashing | **Low Power** |
| | Green | On | **Recharging** |
| | Off | N/A | **1. Fully charged.**<br>**2. Device power off** |
| Memory | Off | N/A | **Device power off** |
| GPS | Green | On | **GPS position is fixed** |
| | Off | N/A | **1. Searching for GPS satellite signal**<br>**2. Device power off** |
| Bluetooth | Blue | Flash | **Searching for device** |
| | Blue | On | **Bluetooth connected** |
| Alarm | Orange | On | **GPS is not connected with satellite** |
| | Off | N/A | **1. GPS position is fixed**<br>**2. Device power off** |

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## 06 Beep Code

| Status | Beep code | Description |
|---|---|---|
| Power On | 1 short beep | 1 short beep when device switch On. |
| Power Off | 1 long and short beep | 1 long and short beep when device switch Off. |
| GPS fixed | 2 short beep | 2 short beep when GPS location is fixed. |
| G-Sensor Calibration | 2 long beep | 2 long beep when G-Sensor button being pressed. |

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## 07 Acquiring Satellite Signal

● Hold on Power button to power on BL-818GT.

● Place the device outside under clear view of sky to acquire GPS signals.

● Acquiring GPS signals may take few minutes. The GPS LED is turning to solid green when it has connected with GPS satellites.

⚠ **Note**

Before exporting the data to computer please turn off the power.

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## 08 Update firmware

① Download and extract the firmware from Qstarz web site http://racing.qstarz.com/Download.html

② Power off BL-818GT and connect with computer via Micro USB cable.

③ Copy the firmware file FW.qst to the root directory of BL-818GT internal memory.

④ Unplug the Micro USB cable, and firmware update will begin automatically. LEDs will light on alternately during the update process.

⑤ Once firmware update is completed, the device will turn off automatically.
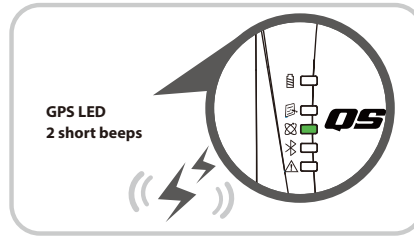
⚠ **Note**

Connect your BL-818GT device with Computer, and browse the root directory of BL-818GT in My Computer. Find the "DownloadIndex_BL-818GT.html" file and click it with internet connection. A download webpage will pop-up, then click on the link and you can have latest product information for BL-818GT.

## 09 Product Compatibility

- BL-818GT is compatible with most iOS and Android devices via the Qstarz BLE GPS View App. Expect for no brand and newest devices.

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

## 10 QRacing APP
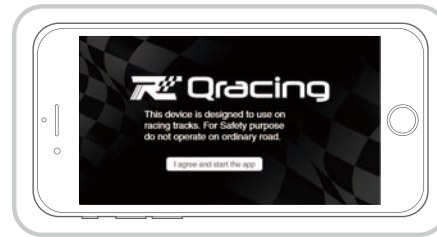### (iOS version / Android version)



QRacing

Please download QRacing APP on App Store or Google Play. QRacing APP is a racing data analysis APP combining GPS data with video overlay support. Read the operating guide on the manual of QRacing APP.
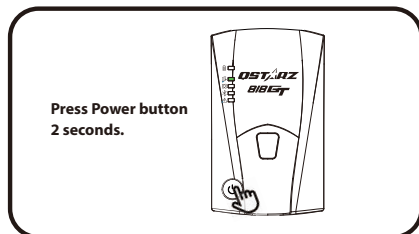
## 11 Start Racing

* The mobile phone photo is illustrated by iPhone. The support OS and versions for QRacing APP, please refer to the description on Qstarz website.

① **Switch On BL-818GT**



Press Power button 2 seconds.

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② **Confirm GPS position is fixed**



GPS LED
2 short beeps

③ **Turn on your mobile device's Bluetooth feature**
-iPhone Setting > General > Bluetooth > On
-Android phone Settings > Wireless & Networks > Bluetooth: On

④ Start QRacing APP on your mobile phone



⑤ **Register a new account. Login and add your BL-818GT in Setting Page of QRacing APP**

⑥ **Start to real-time Racing**



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⑦ **View Analysis Data on your QRacing APP**



⚠ **Note**

Picture Screen might be slightly varied according to different APP version. For detail operation, please refer to the operating guide on manual of QRacing APP.

## 12 Product Specifications

- A 10Hz BLE GPS Receiver and provide real time lap timing via QRacing APP
- Adopt high sensitivity GNSS chip and 3-axis accelerometer
- Bluetooth 4.0 enabled device
- Update rate up to 10Hz excellent for High speed racing (updating every 0.1 second)
- G-Sensor button design to calibrate G-sensor immediately
- 5 LED indications to view device status
- Case: Rugged, without water-resistant
- Power Supply: Rechargeable Lithium-Ion battery, 20 hours operation (typical use)
- Temperature: Operating -10~60℃/ Charging 0~45℃/ Storage -20~60℃

## 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℃~ 60℃, 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℉/60℃ to prevent the inside battery from overheating, exploding or burning itself. The Lithium battery inside the device should be recycled.
- Do not attempt to dismantle the device by yourself. Unauthorized hacking may damage the unit, and void your warranty.