



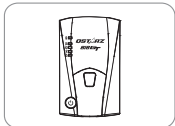
BL-818GT



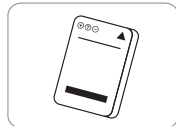
## Quick Start Guide

### 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



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



### 02 Installing the Battery

- 1 Remove the back cover by pushing the battery cover release tab with your thumbnail.
- 2 Insert the battery, and 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.



Do not stick anything on back cover.

### 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.

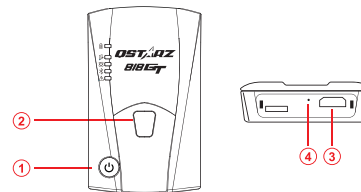


- Green LED On: On Charging
- Green LED Off: Fully Charged



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

### 04 BL-818GT Function buttons



- 1 **Power button:** Power button: Press and hold to power on/off. Press to show battery status. (Top to down each LED indicates 20%)
- 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)

### 05 LED Indicators

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

### 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.

### 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.



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

### 08 Update firmware

- 1 Download and extract the firmware from Qstarz web site <http://racing.qstarz.com/Products/BL-818GT-FirmwareUpdate.html>. If you need to update the Bootloader, please also download the latest Bootloader file.
- 2 Power off BL-818GT and connect with computer via Micro USB cable.
- 3 Copy the firmware file "FW.qst" and Bootloader file "BL.qst" to the root directory of BL-818GT system memory.
- 4 After copying, please select Safely Remove Hardware and Eject Media (QSTARZ BL-818GT) in Windows operating system.
- 5 Unplug the Micro USB cable, and firmware update will begin automatically. LEDs will flash in sequence during the update process.
- 6 Once firmware update is completed, the device will turn off automatically. Do not shut down or power off during the update process.



The failure of the firmware update will cause the device irreparable damage. Before update the latest firmware, please make sure that the battery capacity is over 50% and the back cover is installed.

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

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

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



QRacing

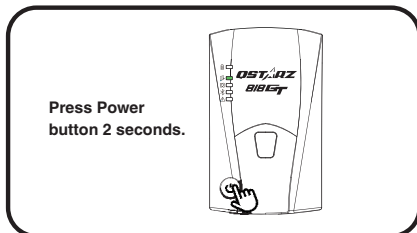


Please download QRacing APP on App Store or Google Play. QRacing APP is a racing data analysis APP combining GPS data with video overlay support.

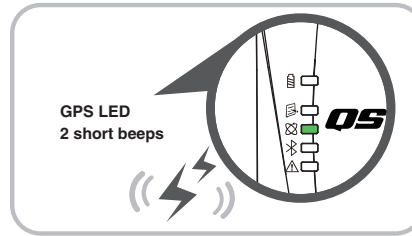
## 11 Start Racing

\* 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



### ② Confirm GPS position is fixed



### 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 click "Connect" symbol on QRacing APP to add your BL-818GT new device.



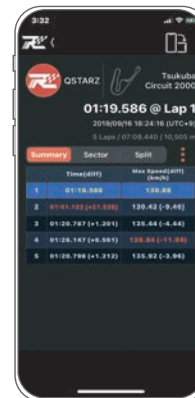
### ⑥ Start to Race in real time. (This device is GPS receiver not stand-alone. Connect with QRacing App to do lap timing.)



### ⑦ View Analysis Data on your QRacing APP



Picture Screen might be slightly varied according to different APP version.



## 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°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 dismantle the device by yourself. Unauthorized hacking may damage the unit, and void your warranty.

## Declaration of Conformity



Qstarz International Co., Ltd. address at 6F-2, No. 160, Sec. 6, Ming Chuan E. Rd, Taipei, Taiwan, hereby declares that the radio equipment model BL-818GT GPS Racing Receiver is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity can be found at the following web page:

<http://racing.qstarz.com/Download.html#doc>