



GPS LAP TIMER



LT-9000S

Quick Start Guide

WHAT'S IN THE BOX



Qstarz Laptimer



USB-C Cable

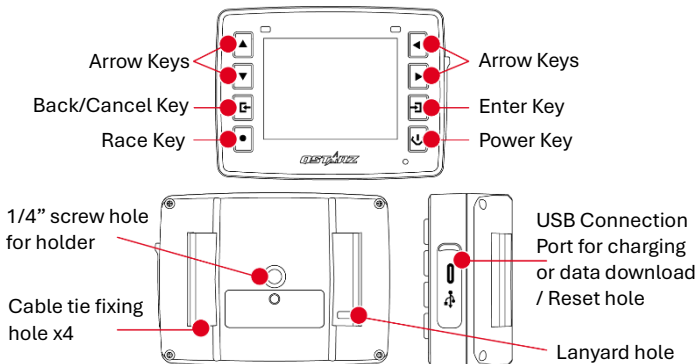


3M Dual Lock set x2



Cable Tie x4

GET STARTED

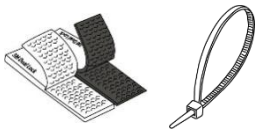


*Charging your Device: Use included USB-Type C cable for charging via computer or compatible USB adapter. (Note some fast-charging PD adapter might not be compatible) It takes around 4 hours to fully charge the built-in battery.

*Hold 3 secs the Power Key to power on or power off the device.

MOUNT DEVICE

Use included two 3M Dual Locks or four Cable ties in the package to fix the GPS Lap Timer on your vehicle according to your preference or vehicle condition. Ensure top side of device head to the sky for better GPS reception!

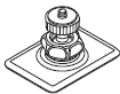


OPTIONAL ACCESSORIES

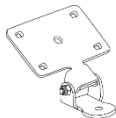
You can also consider mounting Qstarz device using optional holder kit for optimal riding experience. Recommend purchasing optional Jelly Case that can protect device during activities.



Car Holder



3M adhesive
Motorbike Holder



CNC Motorbike
Holder



Jelly Case

GO RACE



Main Menu



Drag/Circuit/Logger Mode



Review racing history



Application/GNSS/Setting

Once device screen's GPS symbol turns green, you are ready to GO Race!

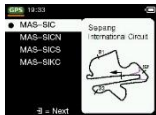
CIRCUIT RACE



1. Select Circuit Mode using Arrow buttons.



2. Select a mode by the quick menu.



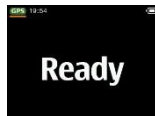
3. After GPS position fixed, select one of nearby circuits.



4. Display Area 1 and 2 is configurable.



5. Adjust various conditions.



6. When Ready is shown, you can press Race Button to start lap timing.

DRAG RACE



1. Select Drag Mode using Arrow buttons.



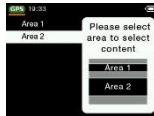
2. Select different mode by testing condition.



3. Set primary test and data segmentation.



4. Compare by different customized conditions.



5. Display Area 1 and 2 is configurable.



6. Review the Drag results after each run.

Note: Screen shown for illustration and changed subject to device version and spec.

LED NOTIFICATION



CONTEXT	LED	STATUS
Device Battery is charging	No3 Power LED	Green Steady ON
Device Battery is fully charged	No3 Power LED	OFF
Device Low Battery (<15%)	No3 Power LED	Red Steady ON
Power Saving Mode (Backlight Off)	No3 Power LED	Green Flashing
Lap/Split time faster than compared condition (Circuit Mode)	No1 Green LED	Flashing 6 times (Split) Flashing 12 times (Finish)
Lap/Split time slower than compared condition (Circuit Mode)	No2 Red LED	Flashing 6 times (Split) Flashing 12 times (Finish)
Faster or Slower than Predictive Lap time (Prediction Mode)	No1 Green or No2 Red LED	Faster: Green ON Slower: Red ON
Met all enabled conditions before reaching Top Speed (Drag Mode)	No1 Green and No2 Red LED	Green and Red LED flashing simultaneously
GPS Speed over set speed (Logger or Speedometer mode)	No2 Red LED	Steady ON

QRACING PC ANALYSIS



QRacing

Session
Record



Decelerate



Accelerate



Speed



QRacing PC software is developed for motorsport advanced analysis. You can analyze the acceleration/ brake point, speed, and position to improve the driving performance.

- Download your session data
- Advanced analyze session records
- Auto update Device Trackmap/Firmware, and QRacing PC software
- Support exporting RCN/KML/GPX/CSV/VBO files

Register account on QRacing Web online. You will get a new QRacing software key with your personal account. Scan the QR code to read the registration instruction.

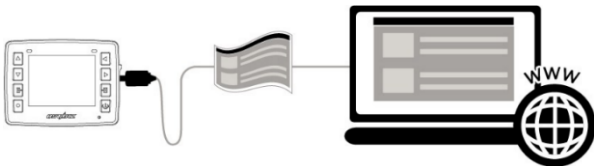


DOWNLOAD DATA TO QRACING SOFTWARE

Download the latest QRacing PC analysis software from Qstarz website.
<http://racing.qstarz.com/Products/QRacing/QRacing-History.html>
(Note: Input the QRacing software Key for the first time)

Power off device, and use attached USB Type-C cable to connect device with the computer. During data transferring, please DO NOT remove the USB cable. It might cause the files damage or lost.

*QRacing PC software support Microsoft Windows system only.



TECH SPEC

Model: LT-9000S

GNSS: 25Hz GPS/GLONASS/Galileo/Beidou/QZSS

Display: 2.3" Color LCD (320x240px)

Memory: 8GB

Battery type and life: Rechargeable, lithium-ion, Up to 14 hours

Sensor: Accelerometer and Gyroscope

Antenna: Built in

Button and LED: 8 Function buttons and 3 LEDs

Buzzer: Yes (System/Timing/Button sound configurable)

Charging port: USB Type C

Mount port: One 1/4" screw hole, 4 cable tie fixing holes

Input: DC 5V, 750mA

Water rating: IPX5 water resistant

Dimension and weight: 7.9 x 6.1 x 3.0cm, 114 grams

Operating/Charging temperature: - 10 to 60 °C / 0 to 45 °C

Notice: Regularly back up and format the memory of the device would keep your device healthy and work as usual. (Backup memory BEFORE format)

PRODUCT SAFETY AND ACCESS INFO

- High-temperature conditions might cause your device to change its behavior to regulate its temperature. Using your device in very hot conditions can permanently shorten battery life and cause damage.
- For safety purpose, please do not place your device might obstruct while driving/riding.
- Do NOT take apart the device otherwise the warranty would be invalidated.

Access to the latest download resources for your device.

LT-9000S



If your lap timer cannot auto-recognize the track you go, please update to the latest trackmap version. You can setup a custom track, or contact us to request new track by email (info@qstarz.com).

LT-9000S' Regulatory information is shown on Setting > Regulatory Information.



<FCC For Class B device >

This equipment has been tested and found to comply with the limits for a Class B digital device, 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 an experienced radio/ TV technician for help.

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

Declaration of Conformity (RE Directive 2014/53/EU)

EU DECLARATION OF CONFORMITY

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:

Hereby, Qstarz International Co., Ltd. address at 6F-2, No. 160, Ming Chuan E. Rd, Sec. 6, Taipei, Taiwan, declares that the radio equipment type LT-9000S GPS Lap timer is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
<http://racing.qstarz.com/Download.html>

CE RF exposure

RF Exposure information: This device meets the EU requirements (2014/53/EU) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

QSTARZ INTERNATIONAL CO., LTD.

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EN Ver. A 2026-06