

## BT-Q1000eX 10Hz Quick Installation Guide

### A. Standard Package

GPS Unit BT-Q1000eX 10Hz (1) + Lithium-ION Rechargeable Battery (2) + Cigarette Adapter (3) + mini USB Cable (4) + Driver CD (5) + Leather Bag (6) + Warranty Card + User's manual

**NOTE: The Cigarette Adaptor can only be used to charge BT-Q1000eX. Please don't make use of it with devices other than BT-Q1000eX.**







### B. Appearance

1. Power jack (mini USB type)
2. Mode switch (OFF/1Hz/10Hz)
3. Battery status LED (Red/Green)
4. Bluetooth status LED (Blue)
5. GPS status LED (Orange) / Log Status LED (Red)
6. Internal antenna
7. POI button



## C. LED Indicators

LED Status		Flash	ON	OFF
<b>Power (Red/Green)</b>		Low Power (Red)	Recharging (Green)	Fully charged
<b>Bluetooth (Blue)</b>		<u>Flash per 2 sec.:</u> Bluetooth connected and transmitting Mode <u>Flash per 5 sec.:</u> Power saving mode	Not connected / Pairing / Log Mode is on (1Hz mode)	GPS not powered / Log Mode is on (10Hz mode)
<b>GPS (Orange)</b>		GPS position is fixed, Navigation	Detecting Satellite, GPS position not fix	GPS not powered
<b>Log (Red)</b>		<u>Flash per 2 sec.:</u> Low memory (20%) <u>Flash 3 times:</u> POI(Point of Interest) is recorded	Memory is full	Log Mode is off

## D. Beeper Code

\*Beeper can be turned off from software -> config GPS.

Status	Beeper code	Description
<b>Startup</b>	1 short beep	One short beep on off->1Hz, Off->10Hz, 1Hz->10Hz, or 10Hz->1Hz
<b>GPS fix</b>	2 short beeps	2 short beeps when GPS fix on 1Hz or 10Hz mode
<b>POI button</b>	3 short beeps	3 short beeps when POI button being pressed
<b>Memory exhausted</b>	3 long beeps	3 long beeps when the device is out of memory
<b>Sleep mode</b>	1 long and 1	1 long and then 1 short beep when

	short beeps	the device enters sleep mode
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## E. Register your Qstarz product

Register your Qstarz product to get the latest news, software update, event, and product information.

<http://www.qstarz.com/reg.php>

## Update the Software:

Please always go to Qstarz download page to check if there is any latest software update.

<http://www.qstarz.com/download.php>

## Start to use

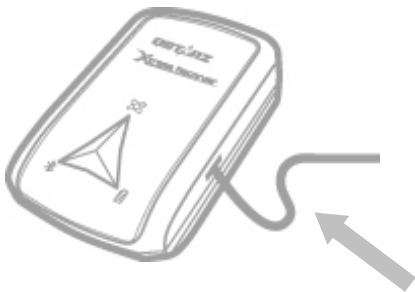
### Step 1: Install Battery

Open the Battery Cover and Insert the Battery.



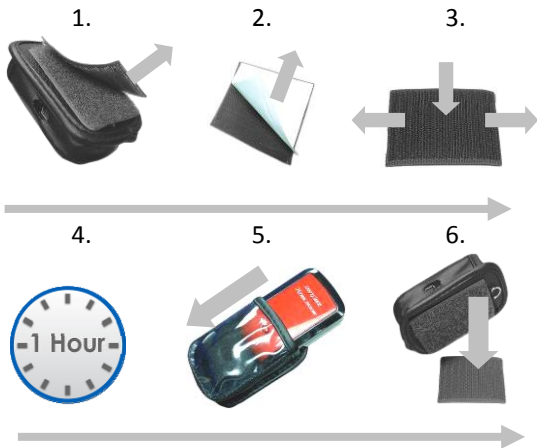
## Step 2: Charge Battery

Plug in USB cable and charge it for **3 hrs** until the green power LED goes off.



## Step 3: Mount Q1000eX 10Hz - 1

Mount Q1000eX on your eXtreme sports equipment.



## Step 3: Mount Q1000eX 10Hz - 2

To get best accuracy, please position the GPS antenna side up to sky.



**Caution:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture. If the device will be exposed to outside environment, such as attached on motorcycle, any other safety protection equipment must be applied to prevent the device from sliding out of the bag.

## Step 4: Start Racing

**Note:** Q1000eX is for outdoor use; an open sky outdoor environment will enable faster satellite acquisition and provide better positioning accuracy.

1. Switch Q1000eX to **10Hz** mode



2. Confirm GPS gets fix

GPS LED  
flashes



3. Start to Race



## Step 5: Install Qstarz QRacing Software

Install the QRacing from Qstarz software CD.



You may also install PC Suite software (QSports and QTravel) for manage other sports activity or geotagging your travel photos.

**Note:** Users have to input product key at the first time of use. The product key is located on the envelope of the software CD

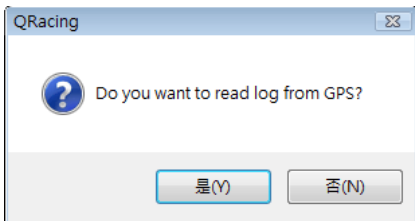


## Step 6: Import Data from Q1000eX 10Hz

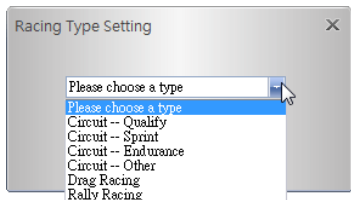
1. Switch on and Connect to PC, then open QRacing



2. QRacing will automatically detect the device and ask if you want to read log from device.

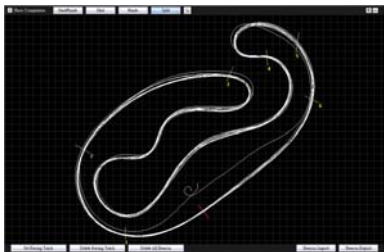


- Click on “Yes” to import the data and Select your Racing Type.



## Step 7: Edit Beacon

After import data from Q1000eX, if you have not edited beacons for this track, QRacing will ask you to edit beacons.



## Step 8: View Race Results

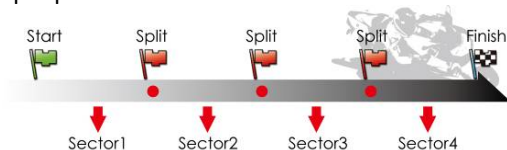
After setting up beacons, change to Analysis page to view and analyze your lap time and the best result will be highlighted in blue.

### Avg/Max/Min Speed and Distance View

Avg/Max/Min Speed View					
Lap	Time (Diff)	Max Speed (Diff)	Min Speed (Diff)	Average Speed (Diff)	Distance
Lap1	02:04.499 (+00:06.771)	172.99 km/h (-29.84)	56.19 km/h (-1.28)	111.08 km/h (-6.46)	3825.96 m
Lap2	02:00.039 (+00:02.311)	197.76 km/h (-5.07)	48.82 km/h (-0.65)	114.65 km/h (-2.89)	3821.50 m
Lap3(best)	01:57.728	202.83 km/h	52.49 km/h (-4.98)	117.54 km/h	3819.90 m
Lap4	01:58.421 (+00:00.693)	178.81 km/h (-24.02)	57.47 km/h	116.72 km/h (-0.82)	3825.67 m
avg	02:00.172	188.10	53.74	115.00	3823.26

### Sector View

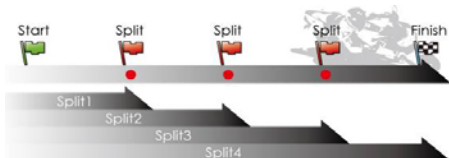
Sector = the time from one split point to next split point.



Sector View (Split-to-Split)					
Lap	Time (Diff)	S-1 (Diff)	1-2 (Diff)	2-3 (Diff)	3-F (Diff)
Lap1	02:04.499 (+00:06.771)	00:21.187 (+02.389)	00:37.834 (+04.237)	00:14.899 (+00.883)	00:50.852
Lap2	02:00.039 (+00:02.311)	00:19.451 (+00.883)	00:34.724 (+01.138)	00:14.199 (+00.138)	00:51.758 (+00.806)
Lap3(best)	01:57.728	00:18.772 (+00.084)	00:33.389	00:13.871	00:51.389 (+00.547)
Lap4	01:58.421 (+00:00.693)	00:18.788	00:34.882 (+01.494)	00:14.019 (+00.148)	00:50.888 (+00.198)
Best Theoretical Time	01:57.177	00:18.788	00:33.389	00:13.871	00:50.882
Best Rolling Time	01:57.728	00:18.788	00:33.389	00:13.871	00:51.389

## Spilt View (Cumulative)

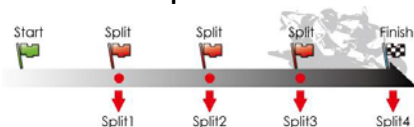
Split = the cumulative time from start point to a split Point



### Split View (Start-to-Split)

Lap	Time (Diff)	S-1 (Diff)	S-2 (Diff)	S-3 (Diff)	S-F (Diff)
Lap1	02:04.499 (+00.06.771)	00:21.167 (+02.399)	00:58.961 (+06.633)	01:13.647 (+07.318)	02:04.499 (+06.771)
Lap2	02:00.039 (+00.02.311)	00:19.481 (+00.883)	00:54.179 (+01.817)	01:08.281 (+01.952)	02:00.039 (+02.311)
Lap3(best)	01:57.728	00:18.772 (+00.004)	00:52.358	01:06.329	01:57.728
Lap4	01:58.421 (+00.00.693)	00:18.769	00:53.448 (+01.090)	01:07.462 (+01.134)	01:58.421 (+00.693)

## Point Current Speed View



### Point Current Speed View

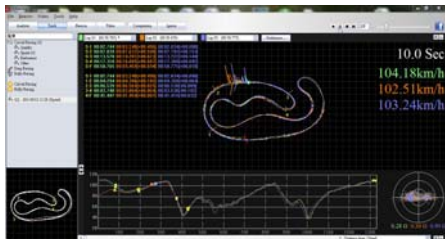
Lap	Time (Diff)	1 (Diff)	2 (Diff)	3 (Diff)	F (Diff)
Lap1	02:04.499 (+00.06.771)	132.00 km/h (-29.86)	110.81 km/h (-17.78)	149.90 km/h	143.12 km/h (-8.44)
Lap2	02:00.039 (+00.02.311)	152.77 km/h (-9.09)	122.96 km/h (-5.63)	140.66 km/h (-9.24)	139.67 km/h (-11.89)
Lap3(best)	01:57.728	161.86 km/h	119.91 km/h (-8.68)	134.03 km/h (-15.87)	151.56 km/h
Lap4	01:58.421 (+00.00.693)	157.30 km/h (-4.56)	128.59 km/h	139.29 km/h (-10.61)	142.66 km/h (-8.88)

## Step 9: Track - Map View

1. In Track page, you can select three laps for showing and compare the data. You can also compare the laps by line graph with Distance-base or Time-base.

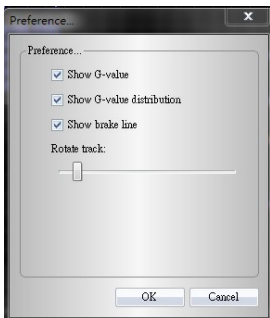


2. Qracing will display the vehicle's braking zone with a thick line and acceleration zone with a thinner line; which can be beneficial for driver to improve their lap times.
3. Click the play button on the status bar. It can replay the selected 3 laps and display the racing information by time and speed simultaneously.



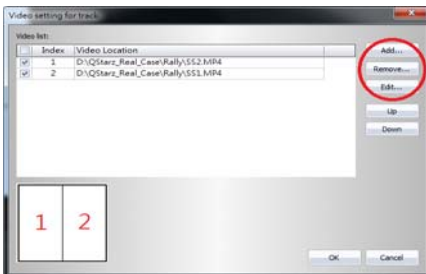
## Step 10: Preference setting

In the **Menu > Tool > Preference** or click on the Preference button on Track page will allow user to select their preference setting when playing the track.



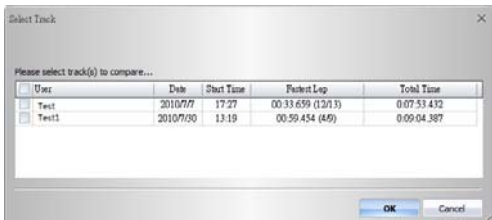
## Step 11: Video

QRacing can sync the racing video with the track. In Video page; click on the button “Set video for track...” the video setting dialog will pop out. You can add, remove and edit the videos.



## Step 12: Compare with other users

Click on “Comparison”, you can choose tracks belong to the same racing type (Circuit, Drag or Rally racing) and compare with other user’s track.



**\*For detailed instructions, please refer to QRacing’s user manual attached with the software.**

**\*Or visit our online tutorial video at:**

<http://www.qstarz.com/Products/Software%20Products/QRacingVideo.html>



