BT-Q1200 Quick Installation Guide

A. Standard Package

GPS Unit BT-Q1200 (1) + Lithium-ION Rechargeable Battery (2) + Cigarette Adapter (3) + mini USB Cable (4) + Optional Travel Charger (5) + Driver CD (6) + Warranty Card + User's manual. *(* Travel Charger plug type might be adjusted according to corresponding countries.)*

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B. Appearance

1. Power jack (mini USB type)
2. Power Button (ON/OFF/Enable LOG mode/Disable LOG mode)
3. Battery status LED (Red/Green)
4. Bluetooth status LED (Blue)
5. GPS status LED (Orange)
6. Log status LED (Blue)
7. Internal antenna
8. Solar panel (Auxiliary power source)

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C. Hardware Function

Hardware Function	Description
Power Jack	Take the power cable and connect it to the power jack (mini USB type) for charging only
Power Button (On)	Press power button and hold for 3 sec to power BT-Q1200 on.
Power Button (Off)	Press power button and hold for 3 sec to power BT-Q1200 off
Power Button (Enable Log mode)	After power BT-Q1200 on, press power button once to enable log mode. Then BT-Q1200 would start logging with the blinking LOG status LED (blue).
Power Button (Disable Log mode)	Press power button again to disable log mode. The LOG status LED (blue) would be off, and stop logging.

D. Battery Installation

D-1 Put Battery in place: Press the **PUSH** button on the bottom side of the unit and pull out the battery cover. Insert battery in the unit and put battery cover on to the cabinet, then push down and force it forward to fit firmly.

D-2 Take Battery out: Press the **PUSH** button on the bottom side of the unit and pull out the battery cover. Then take out the battery from the unit.

E. Charging your battery

For the first time using the BT-Q1200, please charge battery until it is fully charged. Take the power cable and connect it to the power jack (mini USB type) and recharge through USB cable, travel charger or car cigarette adaptor. This will begin to charge the battery. Charging time is 3 hours typically.

- When the Power LED is Red, battery power is low status. Please recharge.
- When the Power LED is Green, the battery is under charging mode.
- When the Power LED is blinking, the battery is fully charged.

F. Setup BT-Q1200

F-1 Install the USB Driver (Only support Microsoft Windows XP / Vista)
Insert the Driver CD, and find the folder "USBDriver\Windows_2K_XP_S2K3_Vista".
Double click **"CP210xVPInstaller.exe"** to install the USB driver.

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F-2   Install the software utility for BT-Q1200

Please insert the Driver CD, and find the folder "Utility". Then double click **"setup.exe"** to install the software utility.

F-3   Install Google Earth

BT-Q1200 supports showing your travel path directly on Google Earth. Please go to http://earth.google.com for the free download of Google Earth, and then install it to your computer.

G. Start to use

G-1   Fully charge the battery when using at the first time

A fully charged battery with solar power can last up to 48 hours continuously operation (under optimum conditions and sufficient sunlight).

G-2   Connect BT-Q1200 with your PC

1. Please connect BT-Q1200 with your PC by mini USB cable, and then power on BT-Q1200 and switch it to start logging.
2. Check the COM port no. your PC is assigned for BT-Q1200.

NOTE: Before checking the COM port, please make sure the USB driver has been installed properly.

   2.1   Go to <Start> \ <Settings> \ <Panel Control> \ <Performance and Maintenance> / <System>
   2.2   Select <Hardware> tab and then click <Device Manager>.
   2.3   Expand the <Ports (COM & LPT)> and check "CP210x USB to UART Bridge Controller" to see which COM port is for BT-Q1200.

G-3   Start the software utility

NOTE: Before starting the software utility, please make sure that the driver and the software utility has been installed properly. And also, make sure that BT-Q1200 already connect with your PC by mini USB cable, power it on, and switch it to start logging or BT-Q1200 would enter sleep mode after few minutes.

1. Click from <Start> / <All Programs> \ <Qstarz Travel Recorder V3> / Travel Recorder PC Utility V3
2. < CONFIGURATION > \ <Connect>, Establish the communication between BT-Q1200 and your PC.
3. < CONFIGURATION > \ <User Mode>, Setup the user mode for your personal setting before logging your travel path.

3.1 Basic Mode provides simple setting for you. Select the transportation gear (Vehicle / Bicycle / Jog) you will use, and then click <Set> to set specific value to BT-Q1200.

3.2 Advanced Mode let you setup two parameters of recording. Select the transportation gear (Vehicle / Bicycle / Jog) you will use and you can modify the default value per your requirement, and then click < Set > to set the updating and specific value to BT-Q1200.

3.3 Professional Mode can be defined detail settings for all parameters manually. After complete all settings, click < Set > to set the values to BT-Q1200.

4. < CONFIGURATION > \ <Other Setting>, Setup the recording method for the flash memory of BT-Q1200 under <Other Setting>.

5. <SATELLITE INFORMATION>, Display the current satellite viewer of your BT-Q1200 at < SATELLITE INFORMATION > tab.

6. <DATA LOG LIST>, Access the log data which download from BT-Q1200.

NOTE 1: Before accessing your log data of BT-Q1200, please establish the communication between BT-Q1200 and PC via mini USB cable.
NOTE 2: Please install Google Earth before trying to download and draw map on Google Earth.

6.1 Click <Download> button to download the log data from BT-Q1200. System will pop up a dialog box for asking to save the log file. After selecting a location to save, a message box pops up to show the progress status. It will take a few minutes depending on the data volume. After completing the log data downloading, those data will be shown on data grid.

6.2 Click <Draw Map> button to display your log data on Google Earth. System will pop up a dialog box for setting the data period and drawing type. After click <OK> button, system will export the log data into Google Earth to display your travel path. You can check the detail information for each log point.

7. <Photo Manager>, Allow you to manage the log files downloaded from BT-Q1200, combine GPS data with photos by Geotagging, and create KMZ file supported by Google Earth.

7.1 Click <GPS Log Manager> \ <View Log> to show the log data on data grid. On the "GPS Log Files" column is the log files from default location on the hard-disc (C:\Program Files\Qstarz\Travel Recorder PC Utility V3). You can add, delete, and delete all by clicking right button of mouse to show the function menu and executing each function and adjust the shown time by selecting time zone according to the local time.

Note: All the date/time data is recorded as Greenwich time

    7.2 Click <Photo Manger> tab / <Photo Viewer> button and select path of image file on the left side. The file names would appear below and preview of the file would appear on center.

    7.3 Click <Photo Manager> / <Geotag Photo> button to start Geotagging the photos. System will automatically geotag photos with GPS position data if one has the same time as the other.

Note: Before Geotagging, please make sure to select the log file and corresponding photos

H. Navigate as a Bluetooth GPS Receiver with handheld device

H-1 Activate the Bluetooth function in your PDA/Smart phone or PC

Before activating the Bluetooth function in your PDA/PC, please power on BT-Q1200 to pair and check if your device is equipped with Bluetooth function. If not, you may need to acquire an optional CF/SD Bluetooth card or Bluetooth dongle. (The pass code is "0000")

H-2 Automatically create a shortcut in Bluetooth Manager window

After the pairing complete, the system will then find a quick connect device "iBT-GPS" in Bluetooth Manager. In further use, you just need to click it to connect to this Bluetooth GPS Receiver.

H-3 Check the Serial Port in Bluetooth Setting

After complete pairing with BT-Q1200, please click "Serial Port" to confirm the assigned COM port. If you use PDA/PC to pair the GPS Receiver, please check "Outbound COM port".

H-4 Set correct Serial Port in your map software

Activate your navigation software and make sure to select the correct "Serial Port".

NOTE 1: In the map software such as TomTom, you might need to change preference and set "Other Bluetooth GPS" according to PDA/phone model. In some case please consult map software company to vary the setting if you have issue on positioning.

NOTE 2: There might be specific setting requirement per navigation software. Such as Tomtom, please delete other GPS settings under Tomtom software, and keep one only.

H-5 Switch off the Bluetooth function

Switch off GPS function in your PDA/Smart phone/PC, and the Bluetooth connection will be disconnected automatically. Then power off BT-Q1200.

I. Function of Auto On-Off (Power saving mode)

Note: Power saving mode would not function when log is enabled.

BT-Q1200 supports **Auto On-Off** (Power saving mode). It can automatically enter sleeping mode after the Bluetooth connectivity is turned off, so the Blue LED will turn to flash every 5 seconds. Thus you can always power it on with very low power consumption.

Under power saving mode, when detecting Bluetooth is being connected, BT-Q1200 will auto wake up itself and the blue LED will turn to flash every 2 seconds and GPS Orange LED will be also On.

J. OTHERS

J-1 LED Indicators

	LED Status		Flash	ON	OFF
1	**Power (Red/Green)**		Low Power (Red) Fully charged (Green)	Recharging (Green)	
2	**Bluetooth (Blue)**		<u>Flash per 2 sec.</u>: Bluetooth connected <u>Flash per 5 sec.</u>: Power saving mode	Not connected / Pairing	GPS not powered
3	**GPS (Orange/Blue)**		<u>Flash per 1 sec.</u>(Orange): GPS position is fixed, Navigation <u>Flash 3 times (Blue)</u>: POI(Point of Interest) is recorded	Detecting Satellite, GPS position not fix	GPS not powered
4	**Log (Blue)**		Travel Logging is on		Travel Logging is off

J-2 GPS Features

1. Baud Rate: 115,200 bps / Datum: WGS-84; Hot/Warm/Cold Start: 1/33/36 sec. (averaged)
2. 51-channel Bluetooth GPS Receiver with super high sensitivity at -158dBm
3. Bluetooth Version: V1.2 / SPP profile / Class 2 with 15 meters in open space
4. Low power consumption, built-in rechargeable Lithium battery (up to 48 hrs after fully charged with sufficient)

5. Size: 88.5 (L) X 56 (W) X 13.5 (H) mm / Weight: 64g (battery included)

K. Trouble Shooting

Question	Answer
Can BT-Q1200 be used to navigate when travel log is on?	Yes, you can use BT-Q1200 to navigate when travel log is on simultaneously.
I lost my travel charger and battery. Where can I find replacements for both?	DC Input range of BT-Q1200 is 4.5~5.5V. You can use a travel charger which support DC output range from 4.5~5.5V. You can also use a common mini USB cable to charge your unit via the laptop. Besides, The battery for BT-Q1200 is compatible with Nokia N73. The battery model is BP-6M.
How can I know if my memory is full?	If you see the orange GPS light turns from orange to solid blue, then that means the memory is full.
Can the logged data be downloaded through Bluetooth?	So far Bluetooth function is not a standard component on laptop. So we didn't perform the download via Bluetooth interface. BT-Q1200 is designed to download data via USB interface.