

# Double 32<sup>®</sup> Bluetooth GPS Travel Recorder

## Model: BT-Q1000

### Features:

- Adopt MTK chipset with high sensitivity -158dBm and **32-Channel** tracking
- Lower power consumption up to **32hrs** for travel recording
- Stand-Alone travel recorder to log over 100,000 records
- Easily switch Travel Recorder to LOG mode or NAV mode (Navigation + Log)
- Provide Qstarz setup tool with friendly UI to download data from Travel Recorder
- Support Multi-mode setting to record data Vehicle, Bicycle, Jog)
- Support button push manually to memorize your location immediately
- Draw your navigation path immediately on Google Earth as default
- Active NMEA protocol VTG / GLL manually via Qstarz setup tool.
- Backup your travel record as CSV / NMEA / Google Earth file format.
- Fast Position Fix ,Cold start 36s, Warm start 33s,Hot start 1s
- WAAS+EGNOS support
- Auto On-Off function for smart power control
- Personal/Portable Navigation (PDA, Smartphone, PC, etc.)



### Specifications:

General		Accuracy (none DGPS)	
GPS Chip	MTK GPS Module	Position	
Frequency	L1, 1575.42MHz	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA(horizontal) DGPS (WAAS, EGNOS, MSAS, RTCM): 2.5m	
C/A Code	1.023MHz chip rate	Velocity	Without aid: 0.1m/s, DGPS(WAAS, EGNOS, MSAS, RTCM): 0.05m/s
Channels	32 CH all in view tracking	Time	50 ns RMS
Antenna (Internal)	Built-in patch antenna with LNA	Datum	WGS-84
Sensitivity		Dynamic Conditions	
Tracking -158 dBm		Altitude	<18.000m
Acquisition Rate		Velocity	<515m/sec
Cold Start	36 sec. average	Acceleration	<4g
Warm Start	33 sec. average	Update	1Hz as default (Up to 5Hz - optional)
Hot Start	1 sec. average	Interface	
Reacquisition	< 1 sec.	Bluetooth	V1.2 compliant (SPP profile)
Power			Class 2 (15 meters in open space)
Built-in rechargeable Li-ion battery			Frequency: 2.4~2.4835 GHz
Input Voltage	Vin: DC 3.0-5.0V	Power On/Off	Slide switch
Backup Voltage	DC 1.2 ± 10%	Power Charge	Mini USB
Power Consumption	42 mA	GPS Protocol	
Charging time	3hrs. (Typical)	NMEA-0183 (V3.01) – GGA, GSA,GSV, RMC(default); VTG, GLL(Optional) , Baud rate 115200 bps, Data bit : 8, stop bit : 1(Default)	
Environmental		Device Size	
Operating Temperature	- 10 °C to + 60 °C	72.2 (L) X 46.5 (W) X 20 (H) mm	
Storage Temperature	- 20 °C to + 60 °C	Accessories	
Charging	0 °C to + 45 °C	110~220V Power Adapter	
Accessories		USB Cable	
110~220V Power Adapter	USB Cable	USB Bridge	
Car Charger	Driver CD	Standard	Fully Compliant with USB2.0
Rechargeable Battery	Quick Guide	Full - Speed	12Mbps