



QSTARZ INTERNATIONAL CO., LTD

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66-CH Bluetooth® A-GPS Travel Recorder XT

(Time schedule support)

Model: BT-Q1000XT



Applications:

- Record your travels and show on Google Earth™
- Share your travel track with your friend
- Your another Journal – by travel logging and photo GeoTagging
- Grab the coordinates and apply on Google and Blogger maps
- Manage business trip expense/Fleet management

Hardware:

- Adopt **MTK II** latest chipset with high sensitivity -165dBm and **66-Channel** tracking
- Ultra lower power consumption up to **42hrs** operation
- Less than 15-Sec. **AGPS** fix support: download almanac data to realize faster TTFF and positioning under warm start
- Stand-Alone travel recorder to log up to 400,000 records (*1)
- **POI button** design to record your point of interest immediately
- 3-level Switch for easily switch Travel Recorder to LOG or NAV (Navigation + Log) mode
- Raise **beeper function** to notice some status of device
- Integrate **Vibration sensor** to smartly manage power saving and waypoint saving (*2)
- Support **Time schedule** function to automatically start logging and stop logging by setting multiple time interval in specific or periodic date per requirement(*3)
- Support **Speed Alarm** function to prompt over speed status by beeping sound
- **Update Rate 1~5Hz** changeable by utility provided (receiving 5Hz update rate only, logging only 1Hz maximum)
- G-Mouse + Bluetooth in one: wired and wireless GPS receiver
- Fast Position Fix ,Cold start 35s, Warm start 33s,Hot start 1s
- Personal/Portable Navigation (PDA, Smartphone, PC, etc.)
- DGPS(WAAS+EGNOS+MSAS) support

*1 The waypoints would be decreased when the more options of Log Format are selected

*2 Vibration sensor will detect movement status. When detecting device is not moving more than 10 minutes, it will enter sleeping mode and stop logging for saving power and waypoints. Please shake the device to wake it up.

*3Time Schedule is functioned when you have set Log schedule via software and switch device to NAV mode.

Software:

QTravel™ - Your Best Travel Mate

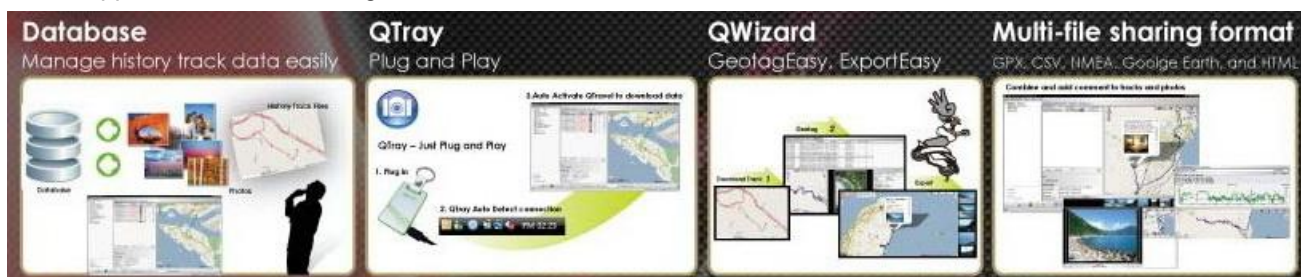
- **Database structure** which can collect and manage all track data easily
- With built-in Google Map, Multi-language support, and Visualization UI
- Support GeoTagging function for digital photo and generate KMZ file easily
- **QWizard** interface for Utility to easily manage importing and exporting tracks



Specification is subject to change without prior notice.

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- **QTray Plug-and-Play** function to auto-activate QTravel software
- Support Track Editing, Track split/merge, and Track Playback with photo/video
- Output your track records to GPX / PLT / CSV / NMEA / Google Earth file format.
- Support **Raw Data Manager** for selecting necessary GPS parameter to record, view, and output
- Support uploading geo-photo to Facebook/flickr/locr community website directly
- Support GPS device configuration and AGPS download



Specifications:

General		Accuracy (none DGPS)	
GPS Chip	MTK II GPS Module	Position	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA(horizontal) DGPS (WAAS, EGNOS, MSAS): 2.5m): 2.5m
Frequency	L1, 1575.42MHz		Velocity
C/A Code	1.023MHz chip rate	Time	50 ns RMS
Channels	66 CH performance tracking	Datum	WGS-84
Antenna (Internal)	Built-in patch antenna with LNA	Dynamic Conditions	
Sensitivity		Altitude	<18,000m
Tracking -165 dBm		Velocity	<515m/sec
Acquisition Rate		Acceleration	<4g
Cold Start	35 sec, average	Update	1Hz as default (1~ 5Hz changeable by software utility)
Warm Start	33 sec, average	Interface	
Hot Start	1 sec, average	Bluetooth	V1.2 compliant (SPP profile)
Reacquisition	< 1 sec.		Class 2 (10 meters in open space)
AGPS	<15 sec.		Frequency: 2.4~2.4835 GHz
Power		Power On/Off	Slide switch (Off-Nav-Log)
Built-in rechargeable Li-ion battery		Power Charge	Mini USB
Input Voltage	Vin: DC 3.0-5.0V	GPS Protocol	
Backup Voltage	DC 1.2 ± 10%	NMEA-0183 (V3.01) – GGA, GSA, GSV, RMC(default); VTG, GLL(Optional), Baud rate 115200 bps, Data bit : 8, stop bit : 1(Default)	
Charging time	3hrs. (Typical)		
Environmental		Functionality	
Operating Temperature	- 10 °C to + 60 °C	Beeper notice	Time schedule
Storage Temperature	- 20 °C to + 60 °C	Vibration sensor	Speed Alarm
Charging	0 °C to + 45 °C	Device Size	
Accessories		72.2 (L) X 46.5 (W) X 20 (H) mm	
Car Charger	USB Cable	USB Bridge	
Rechargeable Battery	Software CD		

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English Quick Guide		Standard	Fully Compliant with USB2.0 / Full speed 12Mbps
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Forest it Design

Forest it Design is a leading provider of rugged mobile computers, all-in-One PC:s, measurement instruments and GPS/GNSS solutions. The company has offices in Sweden, UK, Germany and Finland.

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