



eXtreme 66-Channel Bluetooth® 818XT GPS (10Hz support) Model: BT-Q818XT

Features:

- I **66-Channel** Performance for fast acquisition and reacquisition
- I Super high sensitivity -165dBm adopting latest MTK II chipset
- I Lower power consumption up to **42hrs** navigation time
- I **10Hz update rate** for higher accuracy of the demand of eXtreme Sport
- I **Less than 15-Sec. AGPS fix support:** download almanac data to realize faster TTFF and positioning under warm start
- I G-Mouse + Bluetooth in one: wired and wireless GPS receiver
- I **3-level switch(10Hz-1Hz-Off)** for easy operation
- I Fast Position Fix ,Cold start 35s, Warm start 33s,Hot start 1s
- I Personal/Portable Navigation (PDA, Smartphone, PC, etc.)
- I DGPS(WAAS+EGNOS+MSAS) support
- I Auto On-Off function for smart power control



Specifications:

General		Accuracy (none DGPS)	
GPS Chip	MTK II GPS Module	Position	
Frequency	L1, 1575.42MHz	Without aid: 3.0m 2D-RMS <3m CEP(50%) without SA(horizontal) DGPS (WAAS, EGNOS, MSAS): 2.5m	
C/A Code	1.023MHz chip rate	Velocity	Without aid: 0.1m/s. DGPS(WAAS, EGNOS, MSAS): 0.05m/s
Channels	66-CH performance tracking	Time	50 ns RMS
Antenna (Internal)	Built-in patch antenna with LNA	Datum	WGS-84
Sensitivity		Dynamic Conditions	
Tracking -165 dBm		Altitude	<18,000m
Acquisition Rate		Velocity	<515m/sec
Cold Start	35 sec. average	Acceleration	<4g
Warm Start	33 sec. average	Update*	10 or 1Hz in hardware (10Hz/ 1~5Hz adjustable by SW utility)
Hot Start	1 sec. average	Interface	
Reacquisition	< 1 sec.	Bluetooth	V1.2 compliant (SPP profile)
AGPS	<15 sec. fix		Class 2 (10 meters in open space)
Power			Frequency: 2.4~2.4835 GHz
Built-in rechargeable Li-ion battery		Power On/Off	Slide switch(10Hz/1Hz/OFF)
Power Charge	Mini USB	GPS Protocol	
Operation	42hrs. after fully charged, in continuous	NMEA-0183 (V3.01) – GGA, GSA,GSV, RMC(default), Baud rate 115200 bps,	
Charging time	3hrs. (Typical)		

Specification is subject to change without prior notice.



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Environmental		
Operating Temperature	- 10 °C to + 60 °C	
Storage Temperature	-20 °C to + 60 °C	
Charging	0 °C to + 45 °C	Device Size
Accessories		72.2 (L) X 46.5 (W) X 20 (H) mm
Rechargeable Battery, USB Cable,		LED function
Car Charger		Bluetooth connection, Navigation Status, and Battery/charger status
	Certification	CE/FCC/RoHS



***3-Level Hardware Switch:**

10Hz switch mode is default as 10Hz always.

1Hz switch mode can be adjusted via QstarzGPSView tool to change to 1~5Hz or

10Hz update rate.

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