

i-Blue-737

Wireless GPS receiver with 51 channels



Overview

The i-Blue737 Bluetooth GPS receiver provides you with best accuracy and highest sensitivity. i-Blue737 is a 51-channels Bluetooth GPS receiver with – 158dBm high sensitivity and provides up to 25 hours of navigation time.

Key Features

- *51-Channel all-in-view tracking*
- *MTK chipset with ultra high sensitivity to - 158dBm*
- *Up to 25hrs operating time*
- *Fast Position, Cold start 36s, Warm start 33s, Hot start 1s.*

Application

- *Automotive.*
- *Fleet management / Asset tracking.*
- *Personal / portable Navigation (PDA, Smart phone).*
- *Location Based Services.*
- *Sports and Recreation.*
- *Geographic Surveying*

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Wireless GPS receiver

Specification

General		Accuracy (none DGPS)	
GPS Chip	MTK GPS	Position	
Frequency	L1, 1575.42MHz	<3 meters Static CEP 50 DGPS (WAAS,EGNOS,MSAS,RTCM):2.5m	
C/A Code	1.023MHz chip rate	Velocity	0.1 m/sec. without SA DGPS: 0.05m
Channels	51 CH all in view tracking	Time	±50 ns synchronized to GPS time
Antenna (Internal)	Built-in patch antenna with LNA	Datum	
Support External Active Antenna		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	Motional Jerk	20 m/sec.
Hot Start	1 sec, average	Interface	
Reacquisition	<1sec	Bluetooth™	version 1.2 compliant
Power			Class 2 (10 meter in free space)
Built-in rechargeable 1000mAh Li-ion battery		Frequency : 2.400 to 2.480 GHz	
Operation Current	Acquisition: 55.1mA	Power On/Off	Slide switch
		Antenna port	none
	Tracking: 30.3mA	Power Charge	Mini USB
Environmental		GPS Protocol	
Operating Temperature	- 10 °C to + 60 °C	NMEA-0183 (V3.01) – GGA, GSA, GSV, RMC (default)	
Store Temperature	- 20 °C to + 60 °C		
Charging Temperature	0 °C to + 45 °C		
Relative Humidity	5% to 90% non-condensing		
Accessories		Device Size	
1. AC adaptor (100-240V in, 5V 600mA out) (EU / UK /US)		72.01 (L) x 45.02 (W) x 19.80 (H) mm	
2. Car charger (12V in, 5V 850mA out)			
LED function	Bluetooth connection , Navigation Update and Battery / charger status Indication		
Certification	CE / FCC /		
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