

# Bluetooth GPS Receiver

**SIRF Star III**



GPS Data



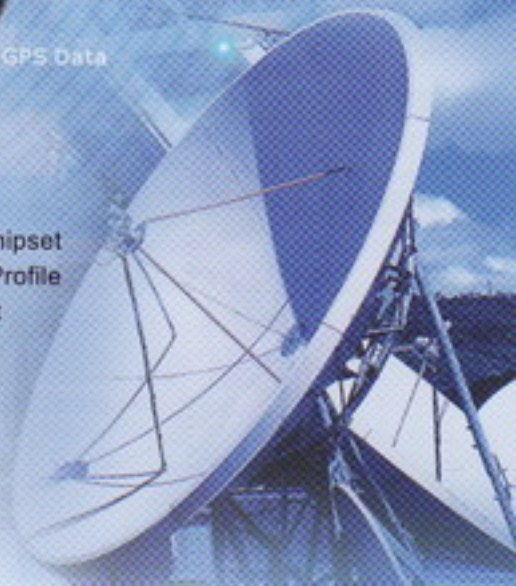
GPS Data



GPS Data

## **BT-338 Features:**

- SiRF Star III high performance and low power consumption chipset
- Communication with Host platform Via Bluetooth Serial Port Profile
- Superior sensitivity for urban canyon and foliage environment
- 3 LED to show the rechargeable Li-ion battery
- Operation time: 17 hours, in continuous mode
- Bluetooth operation range: 10 meters
- Built-in ceramic patch antenna





## **BT-338 Bluetooth GPS Receiver Specification :**

### **Electrical Characteristics**

#### **General**

Chipset	SiRF Star III
Frequency	L1, 1575.42 MHz
C/A code	1.023 MHz chip rate
Channels	20 channel all-in-view tracking
Antenna Type	Built-in Ceramic patch antenna

#### **Accuracy**

Position	10 meters, 2D RMS 5 meters 2D RMS, WAAS enable
Velocity	0.1 m/s
Time	1 us synchronized to GPS time

#### **Datum**

Default	WGS-84
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#### **Acquisition Time (Open sky, stationary)**

Reacquisition	0.1 sec., average
Hot start	1 sec., average
Warm start	38 sec., average
Cold start	42 sec., Average

#### **Dynamic Conditions**

Altitude	18,000 meters (60,000 feet) max.
Velocity	515 meters/second (1000 knots) max.
Acceleration	Less than 4g
Jerk	20 m/sec <sup>3</sup>

#### **Power**

Voltage	Rechargeable and removable battery with 5V DC input charging circuit
Operation Time	Default 15 hours after fully recharged, in continuous mode Programmable >20 hours, in trickle power mode

#### **Main Interface**

Connection	Communication with host platform via Bluetooth Serial Port Profile
Protocol messages	NMEA-0183 output protocol
Output format	GGA, GSA, GSV, RMC, VTG

### **Environmental Characteristics**

Operating temperature	-20°C to +60°C
Humidity	5% to 95% Non-condensing

### **Physical Characteristics**

Dimension	72.5mm x 40.4mm x 23mm
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※ The specification is subject to modification