



The BT-R900 is a GPS receiver with Wireless interface and built-in Patch antenna for high sensitivity to tracking signal.

The BT-R900 is well suited to system integration and users who use PDA, Smart phone, Tablet PC and Notebook PC with Wireless devices. It satisfies a wide variety of applications for car navigation, personal navigation or touring devices, tracking, and marine navigation purpose.

Features:

- **SiRF starIII Chipset 20 Channels all in view tracking**
- **High Sensitivity -159dBm**
- **Reacquisition Time: 0.1 second**
- **Support Standard NMEA-0183 at 4800 bps baud rate**
- **Compatible with Wireless devices with Serial Port Profile (SPP)**
- **Lithium-ion rechargeable battery lasts for more than 10 hours of use**
- **Power On/Off button**
- **Dimension: 73mm x 45mm x 20mm/60g**

Applications:

- **Vehicle Tracking & Location-based Services**
- **Personal/Portable Navigation**
- **Car Navigation**

Specification:

Features	Description
General	L1 1575.42MHz, C/A code, 20-channel all in view tracking
Sensitivity	-159 dBm (typical)
Update Rate	1 Hz
Accuracy	Position: <15m(95%) without S/A Velocity: 0.1 m/sec without S/A Time: ± 100ns synchronized to GPS time
Acquisition	Cold start: 42 sec average Warm start: 38 sec average Hot start : 1 sec average
Dynamics	Altitude : 18,000m Max Velocity: 83m/s Acceleration: 4g Max
Reacquisition Time	0.1 second
Datum	WGS-84
Protocol	NMEA-0183 V2.2 , Baud rate: 4800 , 8-None-1
NMEA Message	Default : GGA, GSA, GSV, RMC
Operation Temperature	-10°C to +60°C
Storg Temperature	-20°C to +85°C
Operating Humidity	5% to 90% non-condensing
Antenna	Built-in Patch Antenna
Interface connector	Wireless interface
Battery	Lithium-ion Rechargeable Battery 3.7V/1000mAh
Operation Current	100 mA (Typical)
Operation Time	10 hrs, after fully charged, in continuous
Charging time	4 hrs. (Typical)
Dimension/ Weight	73 mm x 45 mm x 20mm / 60g

*** Preliminary Specification, Subject To Change without Notice**