

BT GPS MINI

RBT-1000



Introduction

RBT-1000, a multi-wireless GPS consumer product, is the smallest and most cost-effective Bluetooth GPS receiver in the world. It has a built-in replaceable and rechargeable Lithium-ion battery just like your cell phone. With the dimension of 70(L) x 41(W) x 23(H) mm and weight only 60g, making it an ideal solution to carry everywhere.

RBT-1000 is both precise and durable. Its 12-channel receiver allows for continuous tracking of all visible satellites. By wearing this Bluetooth GPS around your neck and having your bluetooth integrated with any kind of mobile device, such as PDA or Notebook, it will provide your exact location almost anywhere.

Features

- Twelve parallel channels
- Support 2D / 3D information
- Hot/ Warm/ Cold start time: 8/ 38/ 45 seconds
- RF MCX connector for external GPS antenna
- Support standard NMEA-0183 at 57600 bps baud rate
- Compatible with Bluetooth devices with SPP (Serial Port Profile)
- Three LEDs showing Bluetooth, GPS and battery status
- Rechargeable and replaceable Lithium-ion battery
- Power switch

Applications

- Navigation
- Automotive Vehicle Tracking
- Personal Positioning
- Geographic Surveying
- Sporting and Recreation
- Consumer wireless GPS
- Cellular Phone

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RBT-1000 Specification

General

Frequency	L1, 1575.42MHz
Code	C/A code
Channels	12 Channels all-in-view tracking
DGPS Source	SBAS (WAAS, EGNOS, MSAS)
System Back up	Replaceable built-in Li-Ion battery

Antenna Type

Built-in Antenna (external antenna optional)

Acquisition time

Reacquisition	0.1 seconds, average
Hot start	8 seconds, average
Warm start	38 seconds, average
Cold start	45 seconds, average

Accuracy

Position	10m 90%
Velocity	0.1 meter/ second, without SA
Time	1 microsecond synchronized to GPS time

Dynamic Conditions

Altitude	< 18,000 meter
Velocity	< 515 meter/ second
Acceleration	< 4g

Interface

Connection	Communicate with Host Platform via Bluetooth (Class 2) Serial Port Profile
Protocol	GGA, GLL, GSA, GSV, RMC, VTG, 57600

Physical characteristic

Dimension	70mm x 41mm x 23.4mm
Weight	60g

Power

Built-in rechargeable battery and DC input charging protection circuit

Environment

Operation temperature	-20 ~ +60
Storage temperature	-20 ~ +60
Humidity	5% to 95% R.H. non-condensing

Package Inside

RBT-1000	User tip CD
Car charger	String

Optional Accessory

AC adapter	Backup battery
Leather Case	External Antenna

Specifications are preliminary and subject to change without notice.

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