

Bluetooth GPS Receiver

GPS Receiver with Bluetooth Wireless Technology

Add GPS to Your Bluetooth-Enabled Pocket PC

If you have a Pocket PC or other device enabled with Bluetooth, now you can take advantage of your device's Bluetooth capability to wirelessly add GPS positioning technology.

Whether you're a traveler and need to navigate your journey, or whether you're a field service worker and need to report your location, this is the perfect solution for you. It's great for both consumers and corporate users to benefit from the many positioning applications now available for Pocket PCs. Use it for vehicle tracking, marine navigation, aviation, topography or street-level navigation. If you have mobile Internet access, you can even combine GPS with online maps.

It's easy to add Bluetooth functionality to a Pocket PC via the Bluetooth Connection Kit (SDIO or CompactFlash). Pair it with a Bluetooth GPS Receiver and a Bluetooth phone, and you can benefit from a real-time navigational system with access to maps on the Internet.

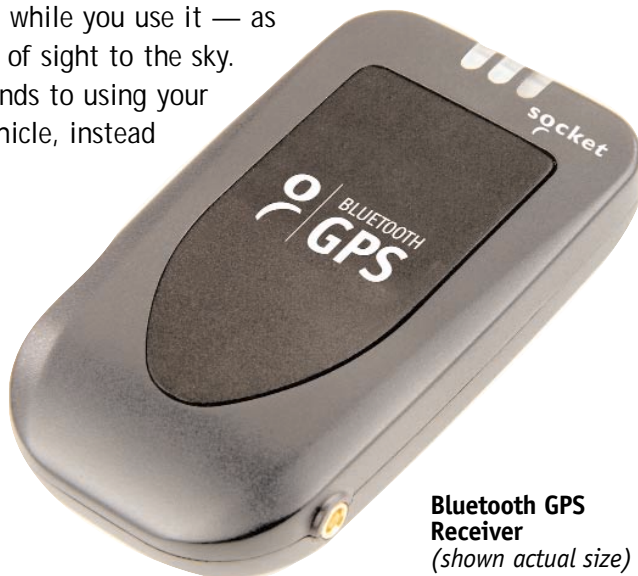
No Cards or Cables Means No Hassles

Before, adding GPS to a Pocket PC meant using an obtrusive GPS receiver or troubling with messy cords and antennas — reducing the portability of your Pocket PC. Besides adding bulk and weight to your Pocket PC, these solutions also consumed power from your Pocket PC. Plus you had to assemble the different gadgets every time you used them. Using Bluetooth to wirelessly add GPS eliminates all of these inconveniences.

No cables also means you can position the Bluetooth GPS Receiver for optimal satellite reception. You can keep the Bluetooth GPS Receiver in your coat pocket or on your dashboard while you use it — as long as there is a direct line of sight to the sky. This lets you devote your hands to using your Pocket PC or driving your vehicle, instead of juggling devices.

Mobility Friendly™

The unit is small and light-weight for maximum portability. The rechargeable battery lasts for six hours of continuous use.



Bluetooth GPS Receiver
(shown actual size)

FEATURES

GPS Features

- 12 Channel all-in-view tracking
- Position accuracy of 10 meters RMS, without SA
- Supports NMEA-0183 (v2.20) standard at 38,400 bps baud rate

Bluetooth Features

- Compatible with most Bluetooth devices — any with a Serial Port Profile
- Bluetooth 1.1 certified (Class 2)

General Features

- Small, sleek, and lightweight design easily fits in your hand
- Three LEDs at the top of the device show Bluetooth, GPS, and battery status
- Rechargeable embedded lithium-ion battery lasts for 6 hours of use
- External antenna port
- On/off switch
- Bluetooth GPS Nav Kit (available separately) includes Bluetooth GPS Receiver and in-car navigation software

Possible Applications

- Vehicle tracking
- Marine navigation
- Aviation
- Topography
- Street-level navigation
 - In-car navigation
 - Door-to-door routing
 - Points of interest

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SPECIFICATIONS

GPS Receiver with Bluetooth Wireless Technology



Bluetooth GPS Receiver

General Characteristics:

Device Size:

Dimensions: 50 x 90 x 16 mm

Mass: 61 g (650 mA version)

Chipset: Sirf Star IIe/LP

Frequency: L1, 1.575.42 MHz

C/A: 1.023 MHz chip rate

Channels: 12 Channels all-in-view tracking

DGPS Source:

Default: none

Programmable: WAAS/EGNOS

Antenna Type: Built-in Ceramic patch antenna (External antenna optional)

Accuracy (without DGPS):

Position: 10 m, RMS, 25 m CEP without SA

Velocity: 0.1 m/sec without SA

Time: 1 microsecond synchronized to GPS time

Acquisition Rate (Open sky, stationary):

Reacquisition: 0.1 sec, average

Cold Start: < 80 sec, average

Warm Start: < 45 sec, average

Hot Start: < 10 sec, average

Dynamic Conditions:

Altitude: < 18,000 m

Velocity: < 515 m/sec

Acceleration: < 4 g

Interface:

Connection: Communication with host platform via Bluetooth Serial Profile

Protocol:

Default: NMEA-0183 (V2.20)

38,400 bps baud rate

Programmable: Additional NMEA (VTG, GLL), Sirf Binary

Power:

Source: Built-in rechargeable lithium ion battery with 5V DC input charging circuit (650 mA)

Optional 900 mA version available

Operation Time:

Default: 6 hours minimum after full charge, continuous mode

Programmable: > 6 hrs, depending on duty cycle in trickle power mode

Optional: > 9 hrs, using 900 mA version

Environmental:

Operating Temperature: -20°C to +60°C

Relative Humidity: 5% to 95%, non-condensing

Possible Applications:

Vehicle tracking

Marine navigation

Aviation

Topography

Street-level applications:

- In-car navigation
- Door-to-door routing
- Points of interest

Product Warranty:

Bluetooth GPS Receiver: Three years

For Additional Product Information:

Website: www.mightygps.com

