

An easy-to-use, dual function (Wireless GPS + G-mouse) and SiRFstarIII high sensitivity chip built-in GPS Receiver with compact size, light weight and superior sensitive receiving ability.



GPSíím236 Wireless GPS Receiver



The Holux **GPSíím236** Wireless GPS Receiver with SiRFstarIII high sensitivity chipset built-in, provides a easy-to-use trip guiding tools. You are able to enjoy a brand new experience in driving with Bluetooth™ technology of GPS Receiver, you could have the GPS connection without a cable, and it's more convenient and flexible.

Highlights

- 20 parallel satellite-tracking channels for fast acquisition and reacquisition.
- Dual function (Wireless GPS+ G-mouse)
- Compatible with Bluetooth Serial Port Profile (SPP) completely.
- Build-in 850mAh rechargeable & changeable Lithium-ion battery for at least 10 hours operation.
- Built-in rechargeable battery for memory and RTC backup and for fast Time To First Fix (TTFF).
- Support NMEA0183 v2.2 data protocol or SiRF binary code.
- FLASH based program memory. New software revisions upgradeable through serial interface.
- Provide expand terminal and can contact to other system without Bluetooth device.

The **GPSíím236** is high performance Bluetooth™ GPS Receiver which featured with:

1. Dual function (Wireless GPS + G-mouse)
2. Compatible with Bluetooth™ Serial Port Profile (SPP) completely
3. Built-in rechargeable Lithium-ion battery without external power supply

Applications :

- Vehicle tracing & Location base services
- PDA/Notebook Navigation
- Car navigation
- Marine navigation



Specifications

- Tracks up to 20 satellites
- Receiver: L1, C/A code
- Update rate: 1 HZ
- Acquisition time:
 - Reacquisition 0.1sec. averaged
 - Hot start 1 sec. averaged
 - Warm start 38 sec. averaged
 - Cold start 42 sec. averaged
- Position accuracy:
 - ✧ Non DGPS(Differential GPS)
 - Position 5-25 m CEP without SA
 - Velocity 0.1 m/sec.
 - Time 1 μ sec sync. GPS Time
- Dynamic Conditions:
 - Altitude 18,000 meters
(60,000 feet) max.
 - Velocity 515 meters / sec.
(700 knots) max.
 - Acceleration 4 G.
 - Jerk 20 meters/sec., max.
- Antenna Type: Built in Patch Antenna
- Minimum signal tracked: -159dBm
- Dimension: 46.3 × 67 × 19mm.
- Weight : < 56g.
- On/Off switch : Slide Switcher
- LED function:
 - Bluetooth, Navigation Update and Battery / changer status Indication
- Operating temperature:
 - 10 °C to + 60 °C
- Storage temperature:
 - 20 °C to + 85 °C
- Operating humidity:
 - 5% to 95% No condensing
- Protocol and interface:
 - ✧ NMEA output protocol: V.2.2 Standard:
 - Baud rate: 38400 bps
 - Data bit: 8
 - Parity: N
 - Stop bit: 1
 - Format: GGA,GSA,GSV, RMC, VTG
 - Optional:
 - Format: GGL, SiRF binary
 - ✧ Interface:
 - Compatible with Bluetooth devices with Serial Port Profile (SPP)
 - Bluetooth™ version 1.1 compliant
 - Bluetooth™ Class 2 operation (up to 10 meter range)
 - Frequency : 2.400 to 2.480 GHz
 - Modulation: FHSS / GFSK
 - RF channels: 79



Holux Technology, Inc.
1F., No. 30, R&D Rd. II, Hsinchu City
300, Science-based Industrial Park, Taiwan
Tel: 886-3-668 7000 Fax: 886-3-668 7111
www.holux.com

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