

# Wireless Bluetooth GPS Receiver

**GPSlim240**

● **Item No.:** GPSlim240

● **Product Name:** Wireless Bluetooth GPS Receiver

● **Description:**

The HOLUX GPSlim240 Bluetooth GPS receiver (called GPSlim240) is a fully integrated GPS receiver. It includes a rechargeable Lithium-Ion battery, GPS antenna, and Bluetooth connectivity. It also incorporates a third-generation chipset designed by America's SiRF Technology for low power consumption. All features are fully integrated into one unit to meet the rigorous demands of consumer's professional and personal needs. GPSlim240 is a dual-function GPS receiver. Not only does it transmit satellite data through a PDA or notebook with Bluetooth interface, but it is also a traditional GPS receiver that can deliver a satellite signal through a data cable to a device without Bluetooth interface.

The compact, stylish and handy GPSlim240 is easy to carry and can be worn across the chest. It attracts modern young women and young urban professionals who pay attention to their personal style. This device meets a range of needs such as car navigation, security, mapping, surveying, and agricultural applications. To use the device, all you need to do is to face the sky. It communicates with other electronic utilities via Bluetooth, USB-compliant interface, and has a built-in rechargeable battery to save such satellite data as the status of satellite signal, the last location, and date and time of previous use.

With low power consumption, GPSlim240 tracks 20 satellites at a time \*①, re-acquires the satellite signal every tenth of a second and updates position data once a second. The power saving mode (Trickle-Power) allows the unit to operate a fraction of the time. It also provides a time and position fix function (Push-to-Fix) that will switch on the unit at a designated time, even when the receiver stays off.

● **Feature:**

1. The compact size and practical design of the GPSlim240 makes it both easy to carry and also wearable across the chest , making the style-conscious user look even more stylish.
2. Use SiRF Star III chipset.
3. 20 - channel GPS Receiver for fast acquisition and reacquisition \*①
4. 200,000 effective correlators for fast Time To First Fix (TTFF), even at poor satellite signal.  
\*①
5. Built-in WAAS/EGNOS Demodulator. \*①
6. Compatible with Bluetooth Serial Port Profile (SPP) completely

7. Built-in rechargeable Lithium-ion battery for at least 8 hours operation.
8. Built-in rechargeable battery for memory for RTC backup and fast Time To First Fix (TTFF)
9. Support NMEA0183 v2.2 data protocol or SiRF binary code
10. Provide expand terminal and can contact to other system without Bluetooth device

● **Specification**

Item	Description
<b>Specification</b>	<ul style="list-style-type: none"> <li>• Tracks up to 20 satellites *①</li> <li>• Receiver : L1, C/A code</li> <li>• Update rate : 1 HZ.(max.)</li> <li>• Antenna type : Built in patch antenna</li> <li>• Minimum signal tracked : -159dBm *①</li> <li>• Dimension : 64 x 22 x 15 mm.</li> <li>• Weight : &lt; 35 g</li> <li>• On/Off switch : slide switcher</li> <li>• Lithium-ion battery lasts for more than 8 hours of use</li> <li>• Operation temperature : -10 °C to + 60 °C</li> <li>• Store temperature : -20 °C to + 70 °C</li> <li>• Operation humidity : 5% to 95% no condensing</li> </ul>
<b>Position</b> *①	<p>◆ <b>Non DGPS (Differential GPS) :</b></p> <ul style="list-style-type: none"> <li>• Position : 5 - 25 m. CEP without SA</li> <li>• Velocity : 0.1m. / sec.</li> <li>• Time : 1 μ sec. sync GPS time</li> </ul> <p>◆ <b>EGNOS/WAAS /Beacon :</b></p> <ul style="list-style-type: none"> <li>• Position : &lt; 2.2 m., horizontal 95 % of time &lt; 5 m., vertical 95 % of time</li> </ul>
<b>Acquisition Time</b> *①	<ul style="list-style-type: none"> <li>• Reacquisition      0.1 sec. averaged</li> <li>• Hot start            1 sec. averaged</li> <li>• Warm start          38 sec. averaged</li> <li>• Cold start            42 sec. averaged</li> </ul>
<b>Protocol &amp; Interface</b>	<p>◆ <b>Compatible with Bluetooth devices with Serial Port Profile (SPP)</b></p> <ul style="list-style-type: none"> <li>• Bluetooth™ version 1.2 compliant</li> <li>• Bluetooth™ Class 2 operation (up to 3 meter range)</li> <li>• Frequency : 2.400 to 2.480 GHz</li> <li>• Modulation: FHSS / GFSK</li> <li>• RF channels: 79</li> <li>• Input sensitivity: -80dBm</li> </ul>

- Output level: 4dBm

◆ **Output terminal: Mini-USB (DATA I/O - CMOS Level)**

- **NMEA protocol output : V 2.2**

Baud rate : 38400 bps

Data bit : 8

Parity : N

Stop bit : 1

- **Output format :**

Standard : GGA(1),GSA(5),GSV(5), RMC(1),VTG(1).

Optional : GLL, SiRF Binary

- **Altitude** : 18,000 m. ( 60,000 feet ) max.
- **Velocity** : 736 m./sec. ( 1000 knots ) max.
- **Acceleration** :  $\pm 4G$ , max.
- **Jerk** : 20 m/sec, max.

**Dynamic  
Conditions** \*①

**3 Led  
Function**

Bluetooth , navigation update and battery/charger status Indication

● **Package Contents**

1. One **GPSlim240** Wireless Bluetooth GPS Receiver
2. One Quick Installation Guide
3. One tool CD (with User's Manual inside)
4. One set of Car Charger
5. One Warranty card

\* **Optional Accessories**

- USB Data Cable (for data transmission between GPS receiver and computer)
- Travel Charger
- Travel Adaptor

\*① : Cit. SiRF's original chipset spec.