



## GPSlim240

### Wireless Bluetooth GPS Receiver

Powered by SiRF Star III™

- 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.
- 20 parallel satellite-tracking channels for fast acquisition and reacquisition.
- Use SiRFstartIII high-sensitive technology. It provides superior location performance.
- Built-in rechargeable Lithium-ion battery for at least 8 hours operation.
- Built-in rechargeable battery for memory, RTC backup and fast Time To First Fix (TTFF)



Super compact design-easy to carry and stylish

# GPSím 240

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### Specifications

(Part of the information below is provided by SiRF Technology, Inc.)

Item	Description	Item	Description								
<b>Specification</b>	<ul style="list-style-type: none"> <li>Tracks up to 20 satellites*</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: -159 dBm*</li> <li>Dimensions: 64 (W) x 22 (L) x 15 (H) mm</li> <li>Weight: &lt;35 g</li> <li>On/Off switch: slide switch</li> <li>Lithium-ion battery for at least 8 hours operation</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>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™ 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> </ul> <p><b>Output terminal: Mini-USB (DATA I/O, CMOS Level)</b></p> <ul style="list-style-type: none"> <li><b>NMEA protocol output: V 2.2</b> <ul style="list-style-type: none"> <li>- Baud rate: 38400 bps</li> <li>- Data bit: 8</li> <li>- Parity: N</li> <li>- Stop bit: 1</li> </ul> </li> <li><b>Output format :</b> <ul style="list-style-type: none"> <li>- Standard: GGA (1), GSA (5), GSV (5), RMC (1), VTG (1)</li> <li>- Optional: GLL, SiRF Binary</li> </ul> </li> </ul>								
<b>Position*</b>	<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: 0.1 m/sec.</li> <li>Time: 1 µsec. 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>Dynamic Conditions*</b>	<ul style="list-style-type: none"> <li>Altitude: 18,000 m (60,000 feet) max.</li> <li>Velocity: 736 m/sec. (1000 knots) max.</li> <li>Acceleration: ±4G, max.</li> <li>Jerk: 20 m/sec., max.</li> </ul>								
<b>Acquisition Time*</b>	<table> <tr> <td>• Reacquisition</td> <td>0.1 sec. averaged</td> </tr> <tr> <td>• Hot start</td> <td>8 sec. averaged</td> </tr> <tr> <td>• Warm start</td> <td>38 sec. averaged</td> </tr> <tr> <td>• Cold start</td> <td>42 sec. averaged</td> </tr> </table>	• Reacquisition	0.1 sec. averaged	• Hot start	8 sec. averaged	• Warm start	38 sec. averaged	• Cold start	42 sec. averaged	<b>3 Led Function</b>	Bluetooth, navigation update status and battery/charger status indication
• Reacquisition	0.1 sec. averaged										
• Hot start	8 sec. averaged										
• Warm start	38 sec. averaged										
• Cold start	42 sec. averaged										

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