Bluetooth GPS Receiver

● Item No.: M-1000

● Product Name: Bluetooth GPS Receiver

● Description:

The HOLUX M-1000 Bluetooth GPS Receiver provides a easy-to-use trip guiding tool. 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, it’s more convenient and flexible. Enjoy the GPS’s life!

The M-1000 high performance Bluetooth™ GPS Receiver which featured with:

1. Dual interface (Bluetooth + GPS-mouse by HOLUX data cable)
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

● Key Feature:

1. Built in MTK Low power consumption GPS chipset.
2. 32 parallel satellite-searching channels for fast acquisition and reacquisition.
3. Superior sensitivity up to -159 dBm.
4. Built-in WAAS/EGNOS/MSAS Demodulator without any additional hardware.
5. Compatible with Bluetooth Serial Port Profile (SPP) completely.
6. Low power consumption. Built-in rechargeable and changeable Lithium-ion battery, the working time can last 20 hours maximum.
7. Provide expand terminal contact to other system without Bluetooth device.
8. Support NMEA0183 V 3.01 data protocol
9. 3 color-LEDs indicate to show the status of device.
10. FLASH based program memory. New software revisions upgradeable through serial interface.
11. Small, sleek, and lightweight design easily fits in your hand.
12. Over-Temperature protection

13. Enhanced algorithms - SnapLock and SnapStart provide superior navigation, performance in urban, canyon and foliage environments.

# Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>Search up to 32 satellites</td>
<td></td>
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<tr>
<td>Receiver : L1, 1575.42 MHz</td>
<td></td>
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<tr>
<td>C/A code: 1.023 MHz</td>
<td></td>
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<tr>
<td>Update rate : 1 HZ.</td>
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<tr>
<td>Antenna type : Built in patch antenna</td>
<td></td>
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<tr>
<td>Minimum signal tracked : -159dBm</td>
<td></td>
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<tr>
<td>Dimension : 65 × 43 × 17.6 mm.</td>
<td></td>
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<tr>
<td>Weight : &lt; 53g.</td>
<td></td>
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<tr>
<td>On/Off switch : slide switcher</td>
<td></td>
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<tr>
<td>Lithium-ion battery lasts for 23 hours of use</td>
<td></td>
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<tr>
<td>Operation temperature : -10 °C to + 60 °C</td>
<td></td>
</tr>
<tr>
<td>Store temperature : -20 °C to + 60 °C (With Lithium-ion battery)</td>
<td></td>
</tr>
<tr>
<td>Store temperature : -30 °C to + 80 °C (Without Lithium-ion battery)</td>
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<tr>
<td>Operation humidity : 5% to 95% no condensing</td>
<td></td>
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</tbody>
</table>

**Non DGPS (Differential GPS)**:
- Position : 3.0 M CEP without SA
- Velocity : 0.1M / sec.
- Time : 0.1 microsecond. sync GPS time

**DGPS(RTCM/EGNOS/WAAS/MSAS)**:
- Position : < 2.2 M., horizontal 95 % of time
- < 5 M., vertical 95 % of time

*Above data follows. MTK GPS chipset specification.

**Acquisition Time**
- Reacquisition : < 0.1 sec. Average
- Hot start : 1 sec.
- Warm start : 33 sec.
- Cold start : 36 sec.

*Above data follows MTK GPS chipset specification.

**Protocol & Interface**
- Compatible with Bluetooth devices with Serial Port Profile (SPP)
  - Bluetooth™ version 1.2 compliant
  - Bluetooth™ Class 2 operation (up to 10 meters range in open space)
  - Frequency : 2.400 to 2.480 GHz
  - Modulation: FHSS / GFSK
  - RF channels: 79
  - Input sensitivity: -85dBm
  - Output level: +2dBm
◆ Output terminal: Mini-USB (CMOS Level)

- NMEA protocol output: V 3.01
  Baud rate: 38400 bps
  Data bit: 8
  Parity: N
  Stop bit: 1

- Output format:

  Standard: GPGGA (1 time/1 sec), GPGSA (1 time/5 sec.),
  GPGSV (1 time/5 sec.), GPRMC (1 time/1 sec.),
  GPVTG (1 time/1 sec).

  Optional: GLL, or MTK NMEA Command.

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- **Altitude**: Max 18,000 M (60,000 feet)
- **Velocity**: Max 515 M/sec (1000 knots)
- **Acceleration**: Max 4G
- **Jerk**: 20 M/second³, Max.

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3 Led Function

- Bluetooth, navigation update and battery/charger status indication

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● Package Contents

1. M-1000 Bluetooth GPS receiver 1 Set
2. Battery 1 Set
3. Car Cigarette adapter 1 Set
4. User guide and Driver CD 1 Pcs
5. M-1000 Quickguide 1 Pcs
6. Warranty card 1 Pcs

Option

1. Travel power supply 1 Set
2. HOLUX USB data cable 1 Set