

# Wireless GPS Receiver

**M-1200**

- **Item No.:** M-1200
- **Product Name:** Wireless GPS Receiver
- **Description:**

The HOLUX **M-1200** wireless 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-1200** high performance Bluetooth GPS Receiver which featured with:

1. Dual interface (Bluetooth + GPS-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

- **Key Feature:**

1. Built in MTK Low power consumption GPS chipset.
2. 32 parallel satellite-tracking channels for fast acquisition and reacquisition.
3. Superior sensitivity up to -159 dBm.
4. Built-in WAAS/EGNOS Demodulator without any additional hardware. Or use the high-sensitive software to get the fast acquisition and reacquisition in the urban, canyon and foliage environments.
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 15 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 to provide superior navigation, performance in urban, canyon and foliage environments.
14. For Car navigation, Marine navigation, Fleet management, AVL (Automatic Vehicle Location), Personal navigation, Tracking System, and Mapping device application.

## ● Specification

Item	Description
Specification	<ul style="list-style-type: none"> <li>• Search up to 32 satellites</li> <li>• Receiver : L1, 1575.42 MHz</li> <li>• C/A code:1.023 MHz</li> <li>• Update rate : 1 Hz.</li> <li>• Antenna type : Built in patch antenna</li> <li>• Minimum signal tracked : -159 dBm</li> <li>• Dimension : 68.5 (L)* 23 (W)* 16 (H)mm.</li> <li>• Weight : 30g.</li> <li>• On/Off switch : slide switcher</li> <li>• Lithium-ion battery lasts for 15 hours of use maximum</li> <li>• Operation temperature : -10 °C to + 60 °C</li> <li>• Store temperature : -20 °C to + 60 °C (With Lithium-ion battery )</li> <li>• Store temperature : -30 °C to + 80 °C (Without Lithium-ion battery )</li> <li>• Operation humidity : 5% to 95% no condensing</li> </ul>
Position	<p>◆ <b>Non DGPS (Differential GPS) :</b></p> <ul style="list-style-type: none"> <li>• Position : 3.0 M CEP without SA</li> <li>• Velocity : 0.1M. / sec.</li> <li>• Time : 0.1 microsecond. sync GPS time</li> </ul> <p>◆ <b>DGPS(RTCM/EGNOS/WAAS/MSAS) :</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> <p>*Above data follows. MTK GPS chipset specification.</p>
Acquisition Time	<ul style="list-style-type: none"> <li>• Reacquisition &lt; 0.1 sec. Average</li> <li>• Hot start 1 sec.</li> <li>• Warm start 33 sec.</li> <li>• Cold start 36 sec.</li> </ul> <p>*Above data follows MTK GPS chipset specification.</p>
Protocol & Interface	<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 10 meters range in open space)</li> <li>• Frequency : 2.400 to 2.480 GHz</li> <li>• Modulation: FHSS / GFSK</li> <li>• RF channels: 79</li> <li>• Input sensitivity: -85dBm</li> <li>• Output level: +2dBm</li> </ul>

◆**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 : GPWGA (1time/1 sec), GPWGA (1 time/5 sec.),  
GPWGSV (1time /5 sec.), GPWPRMC (1time /1 sec.),  
GPWVTG (1 time/1 sec).

Optional : GLL, or MTK NMEA Command.

**Dynamic  
Conditions**

- **Altitude** :Max 18,000 meters ( 60,000 feet )
- **Velocity** : Max 515 M./sec ( 1000 knots )
- **Acceleration** : Max 4G
- **Jerk** : 20 M/ second<sup>3</sup>, max.

**3 Led  
Function**

Bluetooth , navigation update and battery/charger status Indication

● **Package Contents**

- |                                   |       |
|-----------------------------------|-------|
| 1. M-1200B Bluetooth GPS receiver | 1 Set |
| 2. Car Cigarette adapter          | 1 Set |
| 3. User guide and Driver CD       | 1 Pcs |
| 4. M-1200 Quickguide              | 1 Pcs |
| 5. Warranty card                  | 1 Pcs |
| 6. Smart2go Maps DVD              | 1 Pcs |

**Option**

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