

# Navilock NL-8004U USB 2.0 Multi GNSS Receiver u-blox 8 4.5 m

## Description

The USB 2.0 multi GNSS Receiver based on u-blox 8 chipset has a built-in antenna for high sensitivity. You can use this GNSS Receiver with a laptop and a suitable routing software for navigation. The NL-8004U GNSS receiver can be installed onto different vehicle roofs (car, truck, bus etc.) by using the included installation material. Thus it can perfectly fit into the vehicle concept, due to its design.



**Item no. 62531**

EAN: 4043619625314

Country of origin: Taiwan,  
Republic of China

Package: Retail Box

## Specification

- Connector: USB 2.0 Type-A male
- Chipset: u-blox 8 UBX-M8030-KT
- Frequency:
  - GPS: L1, 1575.4200 MHz
  - GLONASS: L1, 1602 (k x 0,5625) MHz
  - BEIDOU COMPASS: B1, 1561.0980 MHz
  - GALILEO E1, 1575.4200 MHz
  - QZSS L1, 1575.4200 MHz
- Accepts the signals of up to 72 satellites at the same time
- Supports AssistNow online / offline, SBAS (WAAS, EGNOS, QZSS and MSAS)
- Supports NMEA 0183 protocols: GGA, GSA, GSV, RMC, VTG
- Auto Baud Rate up to 115200 bps
- Update rate:
  - single GNSS: 18 Hz (e.g. GPS solo)
  - multi GNSS: 10 Hz (e.g. GPS+GLONASS)
- Sensibility max. -167 dBm
- IPX7 protection class
- LED-indicator for GPS status
- Operating temperature: -20 °C ~ 60 °C
- Power supply: 5 V DC
- Current consumption: max. 45 mA
- Cold start in ca. 26 seconds
- Hot start in ca. 1 second

- Positioning accuracy: 2.5 m CEP (Circular Error Probable) and 2 m CEP with SBAS
- Cable length: ca. 4.5 m
- Dimensions (Ø x H without screw thread): ca. 62 mm x 21 mm

Microsoft Sensor and Location Platform ([Website](#))

- Profit from Windows applications (e.g. weather, maps, etc)
  - Supporting the GNSS location platform API (32 bit)
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## System requirements

- Windows Vista/7/8/8.1/10, Linux Kernel 2.6
  - PC or laptop with a free USB Type-A port
  - For devices with OTG function and optional OTG adapter: Windows 10
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## Package content

- USB 2.0 receiver
  - Mounting material: stainless steel nut and washer
  - Navilock support CD incl. driver and user manual
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## Images

