

Navilock NL-82002U USB 2.0 Multi GNSS UDR Receiver u-blox NEO-M8U 1.5 m

Description

The USB 2.0 Multi GNSS UDR receiver by Navilock based on u-blox NEO-M8U chipset has a built-in active antenna as well as high-sensitivity sensors such as a 3D accelerometer and a 3D gyroscope. In conjunction with a laptop, a reliable position determination is also possible when the GNSS signal is interrupted.



Note

The manual contains essential installation and commissioning conditions for the successful operation of this GNSS receiver!

Specification

- Connector: USB 2.0 Type-A male
- Chipset: u-blox NEO-M8U
- 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
- Supports UDR from NMEA 4.1
- Auto Baud Rate up to 115200 bps
- Update rate: up to 20 Hz
- Sensibility max. -160 dBm
- IPX6 protection class
- Magnetic, non-slip on the bottom
- LED-indicator for GPS status
- Operating temperature: -20 °C ~ 60 °C
- 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. 1.5 m
- Dimensions (LxWxH): ca. 65 x 45 x 22 mm

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

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

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

Package content

Item no. 62756

EAN: 4043619627561

Country of origin: Taiwan, Republic Of China

Package: Retail Box



- USB 2.0 receiver
- Navilock support CD incl. driver and user manual

Images



| General | |
|-------------------------------|---|
| Suitable for outdoor: | standard yes |
| Interface | |
| connector: | standard 1 x USB 2.0 Type-A male |
| Technical characteristics | |
| Operating voltage: | standard 5 V |
| Chipset: | standard u-blox NEO-M8U |
| Frequency range: | standard BEIDOU: B1, 1.561098 GHz GALILEO L1 1.5754200 GHz GPS: L1, 1.5754200 GHz GLONASS: L1, 1.6025625 - 1.6155000 GHz |
| Operating temperature: | standard -20 °C ~ 60 °C |
| Current consumption: | standard 45 mA |
| Sensibility: | standard -160 dBm |
| Update rate: | standard up tp 20 Hz |
| Physical characteristics | |
| Housing colour: | standard black |
| Cable colour: | standard black |
| Cable length incl. connector: | standard 1.5 m |
| Length: | standard 65 mm |
| Width: | standard 45 mm |
| Height: | standard 22 mm |