

# NL-8022MU 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-8022MU GNSS receiver is especially designed for installation on a white ground (boat, camper, bus etc.) It is unremarkable and fits into the vehicle concept due to its housing design.



4.5 m

**Item no. 62532**

EAN: 4043619625321

Country of origin: Taiwan,  
Republic of China

Package: Retail Box

## Technical details

- 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
- 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



## General

Protection class:	IPX7
Suitable for indoor:	yes
Suitable for outdoor:	yes

## Interface

Connector:	1 x USB 2.0 Type-A male
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## Technical characteristics

Operating voltage:	5 V DC
Chipset:	u-blox 8 UBX-M8030-KT
Frequency range:	BEIDOU: B1, 1561.0980 MHz QZSS L1, 1575.4200 MHz GALILEO: E1 1575.4200 MHz GPS: L1, 1575.4200 MHz GLONASS: L1, 1602 (k x 0.5625) MHz
Operating temperature:	-20 °C ~ 60 °C
Current consumption:	45 mA
Sensitivity:	-167 dBm
Update rate:	up to 18 Hz

## Physical characteristics

Housing colour:	white
Cable colour:	black
Cable length incl. connectors:	4.5 m
Diameter:	62 mm
Length:	21 mm

## Manufacturer information

Street                      Beeskowdamm 13/15  
 Postal code                14167

City	Berlin
Country	Deutschland
E-Mail	info@navilock.de
Website	www.navilock.de

