



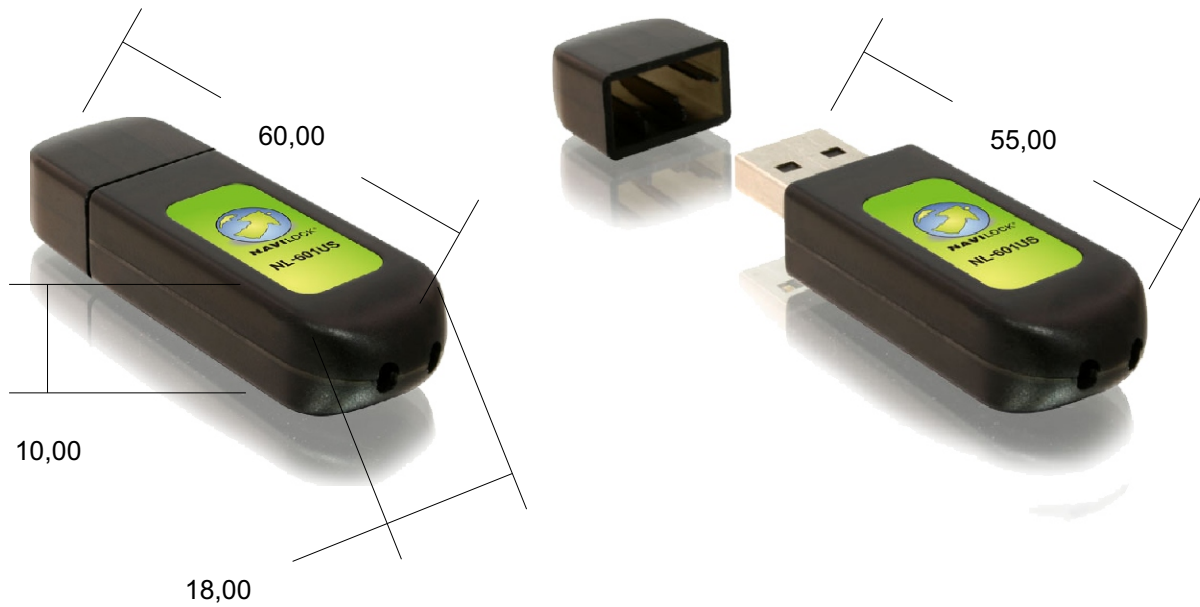
NAVILOCK®

Specification

60123

Navilock GPS USB Stick NL-601US

EAN: 4043619601233



Edition: 08/2011



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Overview

NL-601US is a cute, compact, easy to bring, ultra-high performance, low power GPS USB dongle. The built-in u-blox 6 chip and our experienced design provide fast acquisitions and excellent tracking performance. It is a perfect companion with tablet PC, Netbook, UMPC, Notebook PC etc. The embedded string hole allows one to bring this cute device as a necklace or a key chain.

Features

- Cute, compact, lightweight
- Based on u-blox 6 low power single chip
- High performance: -160dBm tracking sensitivity
- Low power: 50mA at continuous tracking
- SBAS (WAAS and EGNOS) support (optional)
- Green LED for GPS position fix indication
- Cute design for bringing as necklace or key chain
- Supports all major operating systems (Windows, Linux, MAC OS etc.)



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Technical specifications

Receiver performance data

Receiver Type	u-blox 6, 50-channel, L1 frequency, C/A code
Horizontal Position Accuracy	< 2.5m (Autonomous) < 2.0m (WAAS) (CEP, 50%, 24-hour static, -130dBm)
Velocity Accuracy	<0.1 m/s (speed) <0.5° (heading) (50% @ 30 m/s)
Time To First Fix	Autonomous (All at -130dBm)
Hot start	1sec
Warm start	32sec
Cold start	32sec
Sensitivity (Autonomous)	-146dBm (acquisition) -160dBm (tracking & navigation)
Max. Update Rate	5Hz
Max. Altitude	< 50.000 m
Max. Velocity	< 1.800 km/hr
Protocol Support	NMEA 0183 v2.3 (compatible to 3.0) 4800 ~ 115200bps N,8,1; GGA, GLL, GSA, GSV, RMC, VTG
SBAS Support	WAAS, EGNOS, MSAS, GAGAN
Dynamics	< 4g



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Electrical data

Power Supply	5 V
Power Consumption	50 mA / average tracking

Environmental data

Operating temperature	-20 ~ 60°C
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Mechanical data

Dimension	
With cap	18 (W) x 60 (L) x 10 (H) mm
Without cap	18 (W) x 55 (L) x 10 (H) mm

Connector

USB a-type male plug





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Installation for Windows XP/Vista/7

Plug the NL-601US in any USB port.
Use driver from CD (Win XP Vista 7 all)

 ublox_A4_U5_USB_drv3264_install_UI.exe

Please check the Device Manager and remove the COM port your GPS receiver for knowledge. You need this for other optional software such as navigation solutions.





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For a first receiver test you can use the u-blox center on the CD.

 u-centerSetup-6.2.1.0.exe

The u-center GPS evaluation software provides a powerful tool for evaluation, performance analysis and configuration of u-blox GPS receivers. Its unique flexibility makes the u-center GPS evaluation software an invaluable tool for evaluation, analysis and configuration of u-blox GPS receivers. u-blox GPS receivers can be configured using the u-center evaluation software.

- Supports NMEA and u-blox UBX binary protocol
- Integrated AssistNow Client for A-GPS
- GPS configuration and control
- Structured data visualization in real-time
- Message, binary and text output
- Tabular outputs with on-line statistics
- Graphical data visualization with zooming, panning and scaling functions:
- 2-dimensional plots from large choice of data sets
- Sky plots
- Deviation map
- Visualization with maps
- GPS Camera View: photographic data can be stored in the log file together with the navigation data and later be replayed in the application.
- Export data files to Google Earth and Google Maps
- Docking views (real-time cockpit instrumentation displays):
- Satellite constellation
- Compass
- Clock
- Altimeter
- Speedometer
- Satellite and GPS information panels
- Data recorder and playback
- Full Copy Paste Support to transfer information to standard PC application software
- Runs on Windows 2000, XP and Vista



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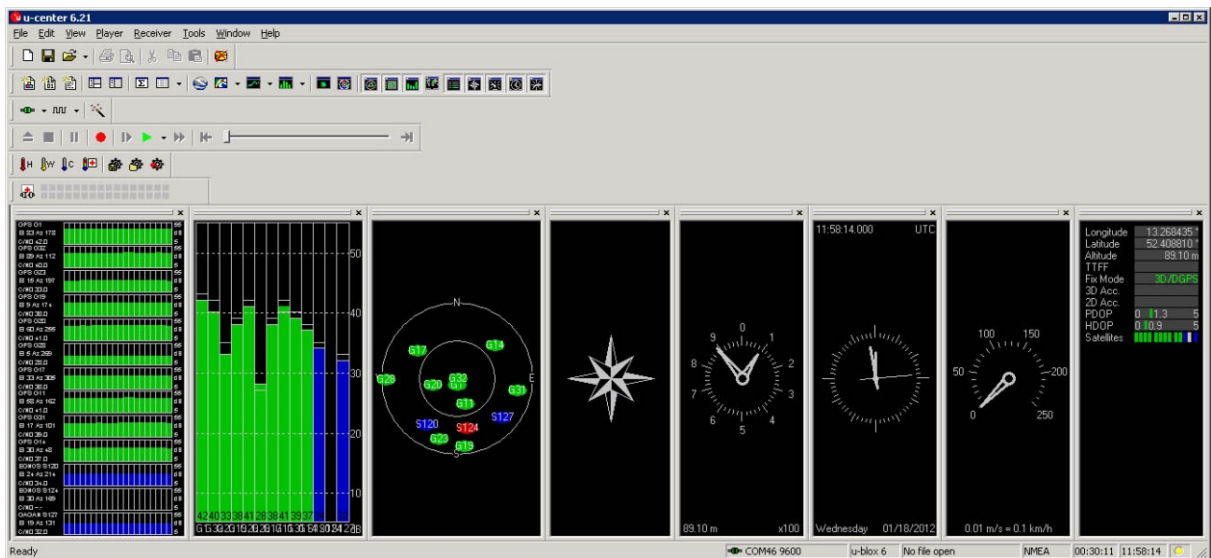
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u-blox center 3.21





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Support Navilock

If you have further questions, please contact our customer support
support@navilock.de.

You can find current product information on our homepage: www.navilock.com.

Final clause

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