u-center

GNSS evaluation software

Highlights

- Interactive and easy to use
- Extensive GNSS configuration, control features, and output messages
- Supports all u-blox GNSS receivers
- Enables comparative performance analysis of GNSS receivers that output NMEA messages
- Free of charge

u-center includes

- Support for NMEA and u-blox UBX binary protocol
- Integrated AssistNow A-GNSS client functionality
- Structured and graphical data visualization in realtime:
  - Satellite summary view (SV)
  - Navigation summary view
  - Compass, speedometer, clock, altimeter
  - Chart view of any two parameters of choice
  - Data recording and playback functionality
- Docking views (real-time cockpit instruments): Satellite constellation, compass, clock, altimeter, speedometer, GNSS and satellite information views
- Full cut-and-paste functionality to transfer information to standard PC application software
- Firmware update feature for u-blox receivers

Visualization

Docking views with real-time cockpit instruments and satellite status charts allow easy observation of the static and dynamic behavior of the GNSS receiver.

To visualize positions and traveled routes on maps, easy-to-use interactive functions are provided that enable importing a map file and entering three geodetic positions in order to calibrate the map so the measured positions are placed correctly on the map.

Data analysis

u-center allows the user to choose from a large number of parameters to create tabular views, 2D charts, histograms and compute statistics. Tabular views can be copied and inserted into commercial software like Microsoft Excel spreadsheets.

Product description

The u-center GNSS Evaluation Software provides a powerful platform for product evaluation, configuration, testing and real-time performance visualization of u-blox GNSS receiver products. u-center provides AssistNow client functionality for A-GNSS. Its unique flexibility makes u-center the ideal tool through the entire system integration process.

Configuration and control options

u-center provides a convenient means to configure the GNSS receiver, to save customized configuration settings in the GNSS receiver Flash memory and to restore factory settings if needed. Toolbar buttons are available to control settings such as to force cold, warm and hot starts.

Operating systems

u-center supports PCs running Windows XP onwards (x86 and x64).

Ordering information

u-center is available free of charge and can be downloaded from our website.

Contact us

For contact information, see www.u-blox.com/contact-us.

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