



u-center

GPS Evaluation Software for PCs

Overview

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



Benefits

- Interactive and easy to use
- u-blox 5 and ANTARIS 4 GPS receivers: Access to all controls and output messages
- Enables comparative performance analysis of GPS receivers which output NMEA messages

Features

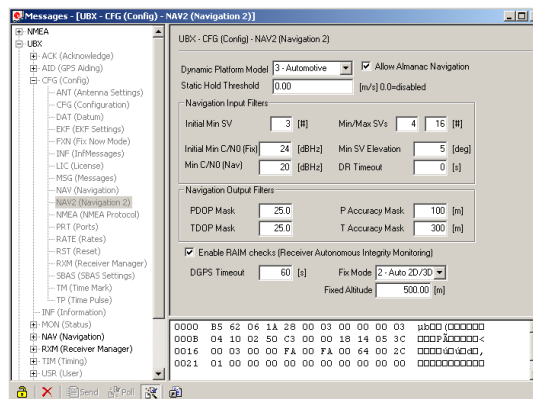
- Camera View: photographic data can be stored in the log file together with the navigation data and later be replayed in the application.
- Export data files to Google Earth and Google Maps
- Understands NMEA and u-blox UBX binary protocol
- Integrated AssistNow A-GPS Client functionality
 - Shortens Time To First Fix (TTFF)
 - Supports AssistNow Online and Offline ¹
- GPS configuration and control
- Data recording and playback functionality
- Structural and graphical data visualization in real-time
- Docking views (real-time cockpit instruments):
 - Satellite constellation, compass, clock, altimeter, speedometer, GPS and satellite information views
- Download firmware updates into GPS receivers

Hardware Platforms

- IBM compatible Personal Computers running Windows 2000 or above

Configuration and Control

u-center provides a convenient means to configure the GPS receiver, to save customized configuration settings in the GPS receiver Flash EPROM and to restore factory settings if needed. Toolbar buttons are available to control u-blox GPS receiver, for example forcing cold, warm and hot starts.



Visualization

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

To visualize positions and traveled routes on maps, easy-to-use interactive functions are provided to import a map file and enter 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 spreadsheet software like Excel.

Ordering Information

u-center is available free of charge and can be downloaded from the u-blox website:

http://www.u-blox.com/products/u_center.html

¹ AssistNow Offline is supported in selected GPS products only

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is our focus*

