u-center
GPS evaluation software for PCs

Product description

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
- Supports all u-blox GPS receivers
- Access to all controls and output messages
- Enables comparative performance analysis of GPS receivers that 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
- Exports data files to Google Earth and Google Maps
- Supports NMEA and u-blox UBX binary protocol
- Integrated AssistNow A-GPS client functionality supports AssistNow Online and Offline shortens Time-To-First-Fix (TTFF)
- Extensive GPS configuration and control options
- Data recording and playback functionality
- Real-time structural and graphical data visualization features
- Docking views (real-time cockpit instruments): Satellite constellation, compass, clock, altimeter, speedometer, GPS and satellite information views
- Full cut-and-paste functionality to transfer information to standard PC application software
- Allows firmware updates to u-blox receivers

Ordering information

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

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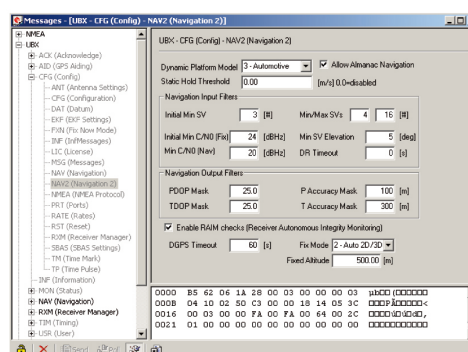
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GPS-SW-05002-C2

Hardware platform

IBM compatible personal computers (PCs) running Windows 2000, Windows XP or Windows Vista.

Configuration and control options

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 settings such as to force 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 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.

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