



## RTKNAV VERSION HISTORY

### What is new with RTKNav Version 4.00.1119?

*Available: November 2008 [release]*

#### **New Features:**

- Version 4.00 uses NovAtel's Advance RTK™ (ARTK) on-the-fly (OTF) engine that fixes carrier phase ambiguities faster and at longer distances than the previous KAR algorithm
- Processing engine now supports GLONASS
- Each baseline in RTGNSS.DLL can now be configured separately, allowing for the use of different processing options for each baseline
- RTGNSS.DLL now handles multiple moving baselines
- Base station data extrapolation accuracy has been improved. This feature also now supports GLONASS measurements.
- RTKNav now has support for real-time plotting in Google™ Earth
- SIOGPS.DLL now supports the RTCM3 format. This is a highly compressed format, ideal for minimizing bandwidth usage.
- SIOGPS.DLL now uses the new GPB data format, allowing for signal-to-noise ratio, improved lock time tracking and data handling
- SIOGPS.DLL has improved data rebroadcasting capabilities. Data can now be rebroadcast without a delay and only critical records can be rebroadcast to minimize bandwidth usage.
- RTKNav and WLOG now support NovAtel's USB interface. Furthermore, both programs will configure NovAtel receivers for RTCM3 message output.

### What was new with Version 3.15?

*Available: June 2005 [release]*

#### **New Features:**

- Added support for U-blox receivers
- Added improved support for reading and processing Waypoint GPB files for post-mission processing
- Can now send ASCII commands to receiver through RTKNav interface. Only for receivers that support ASCII commands (i.e. NovAtel, Ashtech, etc).
- Binary output from processing engine can now be written at a lower rate than processing interval
- WLOG Version 3.21 now supports U-blox and GLONASS measurements for Javad/Topcon

#### **Bug Fixes:**

- Fixed problem in handling more than 12 satellites
- Added distinction between Ashtech G12 MACM and Ashtech DG16 MACM during setup

### What was new with Version 3.14?

*Available: June 2004 [release]*

#### **New Features:**

- Added support for Waypoint geoid files (\*.wpg). RTKNav can now output orthometric height and/or geoid undulation (required for GGA strings). Base station heights can be entered relative to the ellipsoid or geoid.

- Client/Server Mode support for the network ports. RTKNav can be specified as client or server when running the program.
- Added support for Ashtech AC12
- Improved support for processing GPB files from disk, allowing users to replay their RTK data.
- Addition of MultiEngine 2.2. This is a “down-scaled” version of RTKNav, making it useful for applications such as tracking many vehicles to a high precision. MultiEngine processes each baseline sequentially, as opposed to RtkNav, which waits up to 250ms for all remotes to report.

**Bug Fixes:**

- Numerous improvements to RTKNav interface
- Improvements to many of the GPB decoding functions