Trimble® Precision GNSS OEM Receivers, 4.91

This document contains late-breaking product information, updates, and troubleshooting tips not covered in the Trimble® OEM GNSS receivers' documentation.

- Introduction
- Upgrade Procedure
- New Features and Changes
- Legal Notices

Introduction

These Release Notes describe improvements made since version 4.85 to the following Trimble GNSS OEM receivers:

- BD910
- BD920
- BD920-W3G
- BD930
- BD960
- BD970
- BD982
- BX960
- BX982

With this release, all the above receivers can use version 4.91 firmware. To use firmware version 4.91, you must have a valid firmware warranty. You can check the Firmware Warranty Date using the web interface. Make sure the date shown is 1 May 2014 or later. Alternatively, obtain the warranty date from the WinFlash software. Select *Verify receiver options* and ensure the *Firmware Option* is 1 May 2014 or later.

For further support information, go to www.trimble.com/OEM_ReceiverHelp.

Upgrade Procedure

There are two ways to load the new firmware:

- Use the WinFlash utility (BD9xx WinFlash v234_v491.zip) downloaded from the Trimble website.
- Use the web interface of the receiver to load the firmware image file downloaded from the Trimble website.

New Features and Changes

The following improvements have been made to the OEM GNSS receivers:

General

- Added support for BD930-UHF receiver.
- Updated OmniSTAR® libraries (HP Version 6.3).
- Updated antenna models.
- Corrected problem that could result in a receiver crash when GLONASS corrections are transmitted from an SBAS system.

Positioning

- Updated reference position averaging capability on Web UI.

Data formats

- Corrected problem in BD930-UHF receiver where radio was switched off in Moving Base mode.
- Corrected problem with NMEA message outputs where incorrect characters were occasionally output.
- Added capability to continuously output 1PPS with extended GNSS outages.
- Corrected problem with sCMRx output that occurred with L1-only configured receivers.
- Corrected problem with RTCM3 ephemeris output at GPS week rollover.

Web interface

- Standardized on signal naming.
- Corrected problem in BD/BX982 receivers where incorrect temperatures were displayed on Web UI when the temperature fell below 0 °C.
- Updated translations and corrected translation issue on *Position Graph* pages.

Documentation updates

The latest documentation can be found online at www.trimble.com/OEM_ReceiverHelp.

Legal Notices

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Release Notice

This is the October 2014 release (Revision A) of the *Release Notes*. It applies to version 4.91 of the OEM GNSS receivers software.