



Trimble GNSS OEM

RECEIVERS

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

- ▶ Introduction
- ▶ Upgrade Procedure
- ▶ New Features and Changes
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Introduction

These Release Notes describe improvements made since version 5.45 to the following Trimble GNSS OEM receivers:

- BD940
- BD940-INS
- BX940
- BD970
- BD982
- BX982
- BD992
- BD992-INS
- BX992

To use the new firmware, 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 November 2018 or later. Alternatively, obtain the warranty date from the WinFlash software. Select **Verify receiver options** and ensure the **Firmware Option** is 1 November 2018.

For further support information, go to https://www.trimble.com/support/support_az.aspx#B. Select your BD/BX receiver and click **Support**.

Version 5.46

Revision A

May 2020

Upgrade Procedure

There are two ways to load the new firmware:

- Use the WinFlash utility (BD9xx WinFlash v546.exe) 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 Trimble GNSS OEM receivers.

- BeiDou system improvements:
 - Update ephemeris messages to support B1C and B2A Tgd parameters
 - Fixed issue with RTCM3 health flags
- Added 500 Kbps CAN support
- Updates to NMEA 2000 message outputs
- Fixed issue with output of raw navigation data on dual-antenna systems
- Improvements to SBAS performance on BD940 and BD99x receivers
- Improvements to Galileo E5 AltBOC tracking
- Increased size allowed of HTTPS certificate
- Fixed issue in output of IRNSS ephemeris

Documentation updates

The latest documentation can be found online at https://www.trimble.com/support/support_az.aspx#B. Select your BD/BX receiver and click **Support**.

Legal Notices

Trimble Inc.
Engineering and Construction
5475 Kellenburger Road
Dayton, Ohio 45424-1099
USA

800-538-7800 (toll free in USA)
+1-937-245-5600 Phone
+1-937-233-9004 Fax
www.trimble.com

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Release Notice

This is the May 2020 release (Revision A) of the GNSS OEM Receivers' Release Notes. It applies to version 5.46 of the Trimble GNSS OEM receivers.