

Release Notes



TRIMBLE FIELD SYSTEMS

July 2026

TRIMBLE GNSS FIRMWARE, VERSION 6.60

This firmware version includes fixes and enhancements to the Trimble® ProPoint® GNSS receiver firmware.

Supported Trimble GNSS receiver models

The following table identifies the Trimble GNSS receivers supported by this revision. To upgrade your receiver’s firmware, a current and valid receiver warranty is required. Your warranty must cover the time period beyond the first day of the month of the “Warranty Date”.

Receiver	Firmware version	Warranty date
Trimble R980	6.60	May 2025
Trimble R12i		
Trimble R12		
Trimble R10-2		
Trimble R780-2		
Trimble R780		
Trimble SPS986		
Trimble R580		
Trimble R750-2 / R750-2 MON		
Trimble R750 / R750 MON		
Trimble MPS566-2		
Trimble MPS566		
Fugro 9410-AUT-2		
Fugro 9410-AUT		
Trimble BX992-SPS		
Trimble BX992-MS		

Note: This firmware release only supports Trimble ProPoint receivers. Legacy receivers are not included in this GNSS firmware release.

Software compatibility

Trimble Access field software

For best results, users should upgrade to Trimble Access™ field software version 2026.10 (2017.24 for legacy controllers) or later when using Trimble GNSS firmware version 6.60.

Trimble FieldLink field software

For best results, users should upgrade to Trimble FieldLink field software version 2026.1.1 or later when using Trimble GNSS firmware version 6.60.

Trimble Siteworks Software

The current released version of Trimble Siteworks Software version 1.81 is compatible with Trimble GNSS firmware version 6.50 only. Trimble GNSS firmware version 6.60 has not yet been fully validated for use with Siteworks v1.81. Trimble therefore cannot guarantee the performance of GNSS receivers using firmware version 6.60 with the currently released versions of Trimble Siteworks Software. Please refer to the most recent Siteworks release notes for the currently supported GNSS firmware versions before upgrading.

Trimble TerraFlex field software

For best results, users should upgrade to Trimble TerraFlex® field software version 2026.13 or later when using Trimble GNSS firmware version 6.60.

Trimble Mobile Manager

For best results, users should upgrade to Trimble Mobile Manager version 2026.11 or later when using Trimble GNSS firmware version 6.60.

Trimble 4D Control software

For best results, users should upgrade to Trimble 4D Control (T4D) software v6.6.6 when using Trimble GNSS firmware version 6.60.

GNSS signal tracking and processing enhancements

BeiDou PRN updates

Trimble ProPoint receivers have been updated to address recent BeiDou PRN (**Pseudo-Random Noise/Number**) changes.

- All PRNs, *except PRN 9 and PRN 10*, are now handled as BeiDou Generation 3 satellites capable of transmitting and receiving the B1I, B1C, B2A, B2B and B3I signals.
- BeiDou *PRN 9 and PRN 10* are still treated as Generation 2 satellites capable of transmitting and receiving B1I, B2I and B3I signals, although the B2I signal is not currently active.

For ProPoint users:

- RTK solution:
 - PRN 1 to 4, 6 to 8, and 11 to 14 will again be used
 - PRN 19 to 63 will continue to be used normally
- RTX solution:
 - PRN 6 to 8, and 11 to 14 will again be used
 - PRN 19 to 63 will continue to be used normally
 - PRN 1 to 4 are geostationary and will remain intentionally excluded

For users of the legacy (pre-ProPoint) GNSS models, there is no change.

Galileo HAS

You can now disable and enable Galileo HAS in the **Correction Controls** page.

Jamming mitigation

The positioning algorithm in the ProPoint engine has been updated to improve enhanced jamming mitigation capabilities.

QZSS

- QZSS L1C/B support added in RTCM and CMRx corrections output.
- Added QZSS L1C/B observation code to the Binex format.
- Introduced support for L6 QZSS observables in the RT27 stream.

Correction Controls?

Input Filters:
CMR Input Filter: ☐
RTCM Input Filter: ☐

RTK
+ Any Channel

DGNSS
+ Any Channel

RTX Controls:
Disable RTX: ☒
Disable xFill: ☐
Disable xFill-RTX: ☐
Disable GVBS: ☒

PPP Controls:
Disable HAS: ☐

OK Cancel

Vector antenna positions

Position and status information for the vector (secondary) antenna for dual-antenna models when INS is disabled has been added to the GSOF and NMEA outputs.

- BX992
- MPS566, MPS566-2

GSOF includes **GSOF 97/98** messages for the vector antenna position and error estimates.

NMEA messages for **PTNL**, **GGA2** and **PTNL**, **GST2** for the vector antenna position and error estimates.

Web interface and data management

SFTP

Increased the SFTP (SSH File Transfer Protocol) password requirement to 40 characters to align with Microsoft® Azure® guidelines.

Trimble RTX NMA and Galileo OSNMA for all Trimble ProPoint platforms

The receiver web interface now lets you enable Trimble RTX® NMA (Navigation Message Authentication) and Galileo OSNMA. Used together, these technologies mitigate spoofing attacks across the GPS, BeiDou, and Galileo satellite constellations.

Trimble ProPoint RTX-NMA provides broadcast ephemeris authentication via the Trimble RTX correction stream in real time with support for GPS and BeiDou-3 satellites. A Trimble RTX subscription is not required. ProPoint RTX-NMA complements Galileo OSNMA.

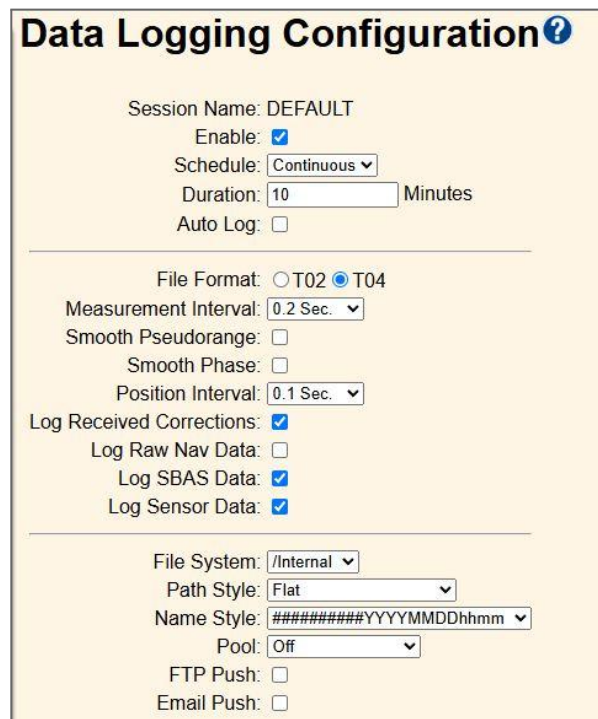
To enable ProPoint RTX-NMA, select RTX/xFill in the **MSS / Configuration** page.

Data Logging - IMU Sensor data

For receivers that include IMU hardware and have the INS option enabled, but INS Mode disabled, the raw sensor data from the IMU can be logged in the *.T04 file by enabling **Log Sensor Data**.



The screenshot shows the 'General' configuration window. It includes settings for Operation Mode (Rover), Autobase (Disable), and IonoGuard™ (Disable). A red box highlights the 'NMA Control' section, which contains two checkboxes: 'RTX NMA' and 'OSNMA', both of which are currently unchecked. There are 'OK' and 'Cancel' buttons at the bottom.



The screenshot shows the 'Data Logging Configuration' window. It includes settings for Session Name (DEFAULT), Enable (checked), Schedule (Continuous), Duration (10 Minutes), and Auto Log (unchecked). Below these are settings for File Format (T02/T04), Measurement Interval (0.2 Sec.), Smooth Pseudorange (unchecked), Smooth Phase (unchecked), Position Interval (0.1 Sec.), Log Received Corrections (checked), Log Raw Nav Data (unchecked), Log SBAS Data (checked), and Log Sensor Data (checked). At the bottom, there are settings for File System (/Internal), Path Style (Flat), Name Style (#####YYMMDDhhmm), Pool (Off), FTP Push (unchecked), and Email Push (unchecked).

Fugro HP/XP firmware upgraded

The integrated Fugro HP/XP firmware has been upgraded to v8.51.

HP/XP Expiration Date UTC	2026-5-1 0:0:0 [Expired]
HP/XP Engine Mode	G4 GPS GLONASS GALILEO BEIDOU
HP/XP Firmware Version	HP 8.51-HF1a
VBS Expiration Date UTC	2012-7-13 12:0:0 [Expired]
VBS Firmware Version	VBS 2.21c

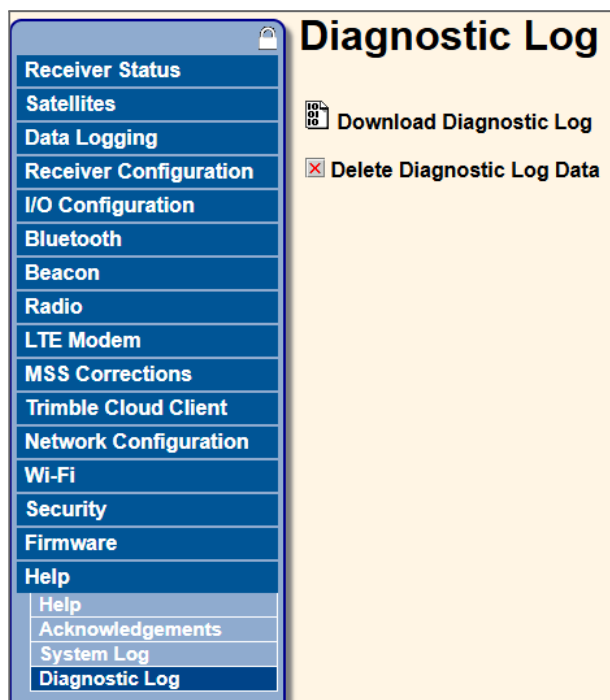
Front panel now reports UHF link % [R750, MPS566]

When in Rover mode, the fifth line of the Home screen (arrow down) shows the UHF link% and RSSI.

```
35SV Rover MY_BASENAME BATT
xFill-RTX H0.008 V0.012 WW_■ ■ *
450.1234 RTCM3 13.5s CC_■ ■ ■ *
G19 R11 B03 E01 Q01 StatIP M100%
Link 100% RSSI -63dBm_■ ■ ■ ■ ■
```

Diagnostic logging added [R750-2, MPS566-2]

As an additional tool to help Trimble Support to diagnose receiver issues, a **Diagnostic Log** has been added in addition to the **System Log**. The **diagLog.T04** file can be downloaded and added to a support ticket.



Platform and hardware support

Resolved an issue where the NTRIP Client would fail to reconnect automatically following a device restart or internet connection loss.

Product-specific bug fixes and enhancements

Description	Type	Supported receivers
Fixed Trimble R580 Bluetooth connectivity issues with iOS devices	Bug Fix	Trimble R580
Fixed corrupt NMEA GST talker ID	Bug Fix	R750, MPS566, 9410-AUT

Note: Before updating, download and back up any data files on the receiver.

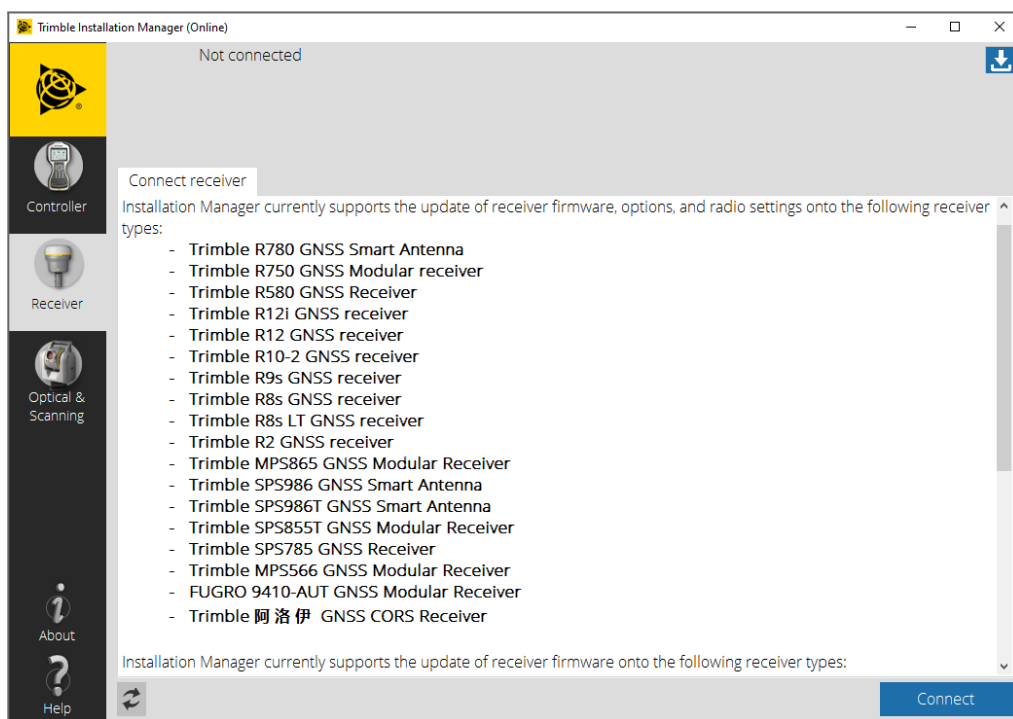
Trimble Installation Manager

Trimble Installation Manager is a free download and can be found here: install.trimble.com

The primary Trimble Installation Manager functions for GNSS receivers are:

- Warranty Activation
- Option Loading
- Radio Configuration
- Firmware Installation

After installing, launch Trimble Installation Manager, connect the receiver with the appropriate data cable to your computer and click **Connect**.



Trimble Installation Manager will display receiver-specific information. Select the firmware version you want to install from the selection menu in the top right corner. Click **Install** to start the installation process.