



Support Bulletin

Trimble Advanced Positioning
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GPS WEEK ROLLOVER INFORMATION FOR REAL-TIME NETWORK HARDWARE AND SOFTWARE

The most up-to-date firmware and software is recommended for Trimble Real-Time Networks hardware and software to work with the upcoming GPS week rollover week occurring April 6, 2019.

GPS Week Rollover Background

A GPS week rollover will occur at the end of the GPS day on 6 April 2019, at which time the GPS week will transition from week 2047 to 2048. However, because the GPS message structure broadcast by the satellites defines the week as a 10-bit value, the GPS messages will indicate that the week has changed from 1023 to week 0.

Trimble performed tests using a GNSS simulator to verify that the latest receiver firmware correctly handles the week rollover in different scenarios including; network operations, real time kinematic (including VRS) and static surveys with various input and output messages, as well as data file format conversions.

Trimble expects receivers with minimum required firmware versions listed in table below will continue to operate normally following the GPS rollover.

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Trimble CORS Hardware

The table below lists the **current** and **minimum** required firmware versions for Trimble receivers shipped since 2000.

Release notes and firmware are available from the **Downloads** tab or link of the Trimble receiver web pages listed below.

Protection plans, including receiver firmware maintenance, are available for upgrading your receiver to the current firmware version. See your local distributor for information on protection plans.

GPS WNRO Receiver Firmware Compatibility

Receiver	Current Firmware Version	Minimum Required Firmware Version
Trimble Alloy	Firmware v5.37	Firmware v5.33
Trimble NetR9	Firmware v5.37	Firmware v4.15
Trimble NetR8	Firmware v48.01	Firmware v3.84
Trimble NetR5	Firmware v48.01	Firmware v3.10
Trimble NetR3	Firmware v48.01	Firmware v3.10
Trimble NetRS	Firmware v1.3-2	Firmware v1.3-2

If you encounter issues during the GPS week rollover please follow these steps:

- Clear satellite data under the **Web UI > Receiver configuration > reset > clear satellite data**
- Disable and re-enable the desired constellations
- Disconnect/reconnect all hardware and software connections
- Disable/enable the NTP client **Web UI > Network configuration > NTP > Uncheck Enable NTP client**
- Hard reset the receiver: **Web UI > Receiver configuration > reset > clear all receiver settings**
- If the above steps do not solve the problem please contact support

Trimble Pivot Platform, GPSNet and RTKNet Information

Please upgrade to Trimble Pivot Platform version 4.1.3 for GPS week rollover compatibility. Tracking, storage and correction data output have all been tested with a simulated GPS week rollover. If you are using an earlier version of Trimble Pivot Platform or GPSNet/RTKNet, Trimble recommends you upgrade to Trimble Pivot Platform version 4.1.3. GPSNet/RTKNet version 2.7X have been tested with simulated GNSS data and perform without any issues.

Note: Trimble has *not* tested non-Trimble receivers for GPS week rollover compatibility, so we cannot predict how non-Trimble hardware will perform.

For more information please contact Trimble support:

E-mail: RTNS_support@trimble.com or visit http://www.trimble.com/Infrastructure/RTNS_Support.aspx for your local Trimble support phone number