

RELEASE NOTES

Trimble® NetR9™ Infrastructure GNSS Series Receivers

These release notes describe the latest improvements made to the Trimble® Infrastructure GNSS series receivers.

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Introduction

These release notes describe the improvements made to the Trimble NetR9™ Infrastructure series receivers. The supported features depend on the receiver model and options installed.

To load and use firmware version 4.81, you must have a valid firmware warranty, dated 2 April 2013 or later. If necessary, contact your Trimble dealer to purchase a warranty.

Before you perform a firmware upgrade, download and backup any files or configuration settings.

New Features and Changes

General

- Minor translation updates.
- RTX™ initializations improved in challenging environments.
- Updated OmniSTAR™ libraries.

Data formats

- Resolves issue of PPS signal being output at 256 μ S at 3.3 V per pulse. Output is now at 8 μ S at 3.3 V per pulse.
- GSOF format updated to support latest GNSS signals (including Beidou).
- DCOL and GSOF updated to include RTX link status.
- DCOL updated to allow disabling of all ports.
- T02 and RT27 updated to log/stream unhealthy Galileo satellites.

Data logging

- Fixes issue with generating Google Earth files.
- Resolves on-the-fly BINEX conversion format issue.
- Resolves on-the-fly RINEX file issue which could result in incomplete files.
- Legacy anti-spoofing flag from RINEX version 3 has now been removed in accordance with RINEX standards.

Tracking

- Improved handling of GLN leap seconds.
- Improved Beidou modeling within the China region.
- Improved ionospheric modeling after a reboot.
- Improved SBAS handling when switching between satellites.
- Resolves issue where Galileo satellites may not be marked as unhealthy

Networking and security

- DNS settings are now also displayed on the *Ethernet Configuration* page for visibility.
- Updated HTTPS security certificate.
- Web UI *DNS Configuration* page now allows *DNS Proxy* to be manually disabled.
- Various network security enhancement updates.

Web interface and front panel

- Improved Web UI rendering. Previously some graphs and Programmatic Interface commands did not display on certain browsers.
- *Receiver Options* page now displays *Data Collector* option bit. The NetR9 receiver Ti-1, Ti-2 and Ti-3 models can enable this option bit with the following option code:
40W6YVVN/d
Please check with the software release notes of the data collector software for the latest information on which receiver models are supported.
- Resolves issue where USB Logging was not displayed on the front panel display.
- Resolves issue where users could not downgrade below firmware release version 4.43.
- Resolves Web Services Iono Map issue where an error would be displayed if the receiver was set with a negative elevation cutoff parameter.
- Now correctly displays the Programmatic Interface command for firmware warranty date.

Upgrade Procedure

Make sure that the receiver firmware warranty date is 2 April 2013 or later.

Use one of the following methods:

- WinFlash utility: Use the latest version that is available with the version 4.81 Web package.
- Receiver Web User Interface: Make sure that the receiver is already running firmware version 4.xx or later. Download and install the version 4.81 *.TIMG file.

Legal Notices

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Release notice

This is the June 2013 release (Revision A) of the *Infrastructure GNSS Receivers Release Notes*. It applies to version 4.81 of the receiver firmware.

Product warranty information

For applicable product warranty information, please refer to the Warranty Card included with this Trimble product, or consult your Trimble reseller.

Notice to our European Union customers

For product recycling instructions and more information, please go to www.trimble.com/ev.shtml.

Recycling in Europe: To recycle Trimble WEEE (Waste Electrical and Electronic Equipment, products that run on Electric power), call +31 497 53 24 30 and ask for the “WEEE Associate”.

Or, mail a request for recycling instructions to:

Trimble Europe BV
c/o Menlo Worldwide Logistics
Meerheide 45
5521 DZ Eersel, NL.

