

RELEASE NOTES

Trimble® Infrastructure GNSS Series Receivers

These release notes describe the latest improvements made to the Trimble® NetR9™ GNSS Infrastructure series receivers.

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Introduction

These release notes describe the improvements made to the Trimble NetR9 Infrastructure series receivers.

With this release, these products can now use version 5.10 firmware.

Note – *Not all receivers support all features contained within this firmware release. The supported features will depend on the receiver model and options installed.*

To load and use firmware version 5.10, you must have a valid firmware warranty, dated 1 May 2015 or later. If necessary, contact your Trimble dealer to purchase a warranty.

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

New Features and Changes

General

- Updated antenna libraries.

Data formats

- RTCM MSM messages now support GPS, Glonass, QZSS, Beidou, and Galileo.

- NMEA has been updated for version 4.10 standard.
- NMEA GGA: When using the RTX correction service, the *Reference Station ID* for the GGA string is 0002.

Data logging

- Support for RINEX version 3.03.

Tracking

- Updated list of RTX satellites and frequencies.
- Updated OmniSTAR® libraries.
- Resolves a rare issue whereby a healthy satellite may be flagged as unhealthy.
- Adds support for user-selectable signal tracking bandwidth. To view this feature, on the web page, select *Receiver Configuration / Position*. The options for this feature are as follows:
 - *Wide*: Use this option for high-dynamic applications to allow the signal tracking to compensate for a higher rate of change in the Doppler frequency that is caused by antenna movement. Wide bandwidth signal tracking allows more noise to pass through the filter to improve high-dynamic positioning.
 - *Narrow* (default setting for all NetR9 infrastructure platforms): Use this option for low-dynamic applications where only relatively small changes in Doppler frequency are expected from antenna movement. Narrow bandwidth signal tracking allows less noise to pass through the filter to improve low dynamic positioning with better accuracy.

Networking and security

- Resolves issue in the Safari browser that resulted in a warning message that the receiver is a possible phishing site.
- Resolves issue of the FTP MDTM command returning an invalid date.
- A new internal web-based login page is now available to eliminate browser inconsistencies.

Upgrade Procedure

Make sure that the receiver firmware warranty date is 1 May 2015 or later.

To upgrade, use one of the following methods:

- WinFlash utility: Use the latest version that is available with the version 5.10 Web package.
- Receiver Web User Interface: Download and install the version 5.10 *.TIMG file.

Legal Notices

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Release notice

This is the September 2015 release (Revision A) of the *Infrastructure GNSS Receivers Release Notes*. It applies to version 5.10 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.

