

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 5.01 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 5.01, you must have a valid firmware warranty, dated 1 May 2014 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

- Minor translation updates.
- General system stability enhancements.

Data formats

- NMEA GNS message updated for correct GNSS formatting.
- A rare occurrence of BINEX 0x7f-05 messages containing incorrect carrier phase values has been resolved.

Data logging

- The Reference Station Position may now be entered on the Web UI as either Cartesian or Geographical coordinates.
- FTP Push now supports user configurable FTP ports.
- The daily logging schedule has been corrected to now start a new file if the file duration value is set to 1440 minutes. Previously this would not trigger a new file, but logging would continue in the existing file.

Tracking

- General GNSS tracking and acquisition improvements.
- Updates to account for Beidou day-of-week numbering with regard to the upcoming leap second (30 June 2015).
- An issue of receiver setting an incorrect time if powered on but not yet tracking satellites when a week rollover occurs has been resolved.
- Updated OmniSTAR® libraries.

Positioning

- An issue whereby the receiver did not switch from an RTX™ based solution to a local base outputting CMR™ corrections has been resolved.
- Improved RTK and RTX high-rate positioning.

Networking and security

- NTRIP clients:
 - Now support a wider range of extended ASCII characters within source tables.
 - Now support unpopulated bit-rate fields within source tables.
 - Now display extended error messages (more detail) where available.
- The NetR9 receiver now checks TCP/IP ports before assigning them to ensure that they are not already being used by other functions in the receiver.
- FTP Push now supports user-configurable FTP ports.

Web interface and front panel

- The Reference Station Position may now be entered on the Web UI as either Cartesian or Geographical coordinates.
- An antenna initialization issue that could result in broadcast corrections not accounting for the antenna phase center offset has been resolved.
- An issue where the averaged position on the *Reference Station* page may display too many fields after the decimal place has been resolved.

Upgrade Procedure

Make sure that the receiver firmware warranty date is 1 May 2014 or later.

To upgrade, use one of the following methods:

- WinFlash utility: Use the latest version that is available with the version 5.01 Web package.
- Receiver Web User Interface: Download and install the version 5.01 *.TIMG file.

Legal Notices

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Release notice

This is the April 2015 release (Revision A) of the *Infrastructure GNSS Receivers Release Notes*. It applies to version 5.01 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
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