

Trimble® Infrastructure GNSS Series Receivers

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

- [Introduction](#)
- [New Features and Changes](#)
- [Upgrade Procedure](#)
- [Legal Notices](#)

Introduction

These release notes describe the improvements made to the following Trimble Infrastructure series receivers:

- NetR3
- NetR5™
- NetR8

With this release, these products can now use version 4.87 firmware.

To load and use firmware version 4.87, 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 back up any files or configuration settings.

New Features and Changes

General

- Updated antenna database.
- Updated OmniSTAR® libraries.

Data formats

- Corrected problem with RTCM3 ephemeris output at GPS week rollover.
- Added additional verification of data output to ensure that unhealthy satellite data is not inadvertently broadcast/logged in T02, RT27, and BINEX formats.

Data logging

- Updates to RINEX Galileo ephemeris files to correctly populate BGD and BDG fields.

Tracking

- Improved handling of satellite search routines.
- Improved handling of Galileo almanac data transmissions.
- Improved GLONASS L1-C/A reacquisition.
- Improved GPS L2C reacquisition.
- Improved L5 multipath reporting. Previously this could show invalid multipath data for high elevation L5 SVs.
- Corrected problem that could result in a receiver crash when GLONASS corrections are transmitted from an SBAS system.

Networking and security

- Improved network stability.
- Improved handling of web redirects.
- Resolved issue that occurred where changing a Bluetooth® PIN code to a shorter PIN could create pairing issues.

Known issue

In a testing environment, in very specific circumstances, the NetR5 and NetR8 platforms occasionally generated warning messages and/or resulted in web pages not loading under high CPU load. This can occur when outputting high rate data streams while simultaneously logging multiple high rate files, while tracking more than 20 SVs.

To resolve such occurrences if they occur, Trimble recommends to increase the elevation mask, disable any constellations/frequencies not required, and lower the overall data logging and streaming rates.

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 4.87 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 4.87 *.TIMG file.

Legal Notices

Trimble Navigation Limited
Engineering and Construction Group
5475 Kellenburger Road
Dayton, Ohio 45424-1099
USA

800-538-7800 (toll free in USA)
+1-937-245-5600 Phone
+1-937-233-9004 Fax
www.trimble.com

Copyright and trademarks

© 2007–2014, Trimble Navigation Limited. Trimble, the Globe & Triangle logo, and OmniSTAR are trademarks of Trimble Navigation Limited, registered in the United States and in other countries. NetR5 is a trademark of Trimble Navigation Limited. Developed under a License of the European Union and the European Space Agency. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Trimble Navigation Limited is under license. All other trademarks are the property of their respective owners.

Release notice

This is the October 2014 release (Revision A) of the *Infrastructure GNSS Receivers Release Notes*. It applies to version 4.87 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.

