

RELEASE NOTES

Trimble® Infrastructure GNSS Series Receivers

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Version 4.17
Revision A
August 2010



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Release notice

This is the August 2010 release (Revision A) of the *Trimble Infrastructure GNSS Series Receivers Release Notes*. It applies to version 4.17 of the software.

Product warranty information

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

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



Introduction

These release notes describe new features and changes made to the following Trimble® Infrastructure series receivers. With this release, all these receivers can use firmware version 4.17:

- NetR3
- NetR5™
- NetR8™
- NetR9™

To use firmware version 4.17, you must have a valid firmware warranty. To load this firmware, the receiver must have a firmware dated September 2009 or later. If necessary, contact your Trimble dealer to purchase a warranty.

Before you perform a firmware upgrade, Trimble recommends that you download and backup any files that are on the receiver.

New features and changes

Data formats

- Added NMEA LLQ message support.
- NMEA RMC structure updated to remove spaces.
- TRIMCOMM™ format updated to:
 - support RTK engine resets
 - upload DC files
- RTCM version 2.x updated for improved handling of SV transmission.
- GSOF now fully supports 50 Hz output rate.

OmniSTAR

- New HP library included to improve the position accuracy and improve CPU load.
- Summary page can now be viewed if the subscription has expired.

Data logging

- FTP Push function updated to resolve instability issues after repeated FTP Push attempts with invalid credentials or to a FTP server which is offline.
- T02 files now correctly contain serial antenna numbers as entered from the web UI.

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- Data file sessions updated to allow only durations that have integers from 1 through 1440 minutes.

Web interface and front panel

- Updated antenna files.
- Minor translation/display updates.
- PDOP/Number of Satellites graph enhanced to show individual GNSS systems.
- Results of email with invalid password now show this information instead of **connection error**.
- DDNS support added to the NetR9 receiver.
- Programmatic Interface: improved performance within Internet Explorer®.
- The NTRIP Caster CMRx setting no longer defaults to *CMRx enabled*.
- NTRIP Caster software now supports NTRIP version 1 mountpoints with authentication enabled.
- The firmware now supports absolute antenna models when available.
- Added support on the web UI and front panel display for the GNSS-Ti Choke Ring antenna.
- Email alerts no longer send communication error messages if the connection is reset by the peer.

Tracking

- Maxwell™ VI receivers now set to *track all in view* by default.
- Improved handling of unhealthy SBAS satellites.
- Support for L5 WAAS signals.
- Improved GPS L5 acquisition and tracking.
- Improved external 10MHz reference handling.

Application files

Before applying the file, the receiver now checks Clone files to ensure that the data contains valid characters, and conforms to length.

Bluetooth technology

Bluetooth® wireless technology: General improvements and connectivity.

Updating the firmware

Do one of the following. In both cases, make sure that the receiver firmware warranty date is September 2009 or later.

- If using the WinFlash utility, use the latest version that is available with the version 4.17 Web package.
- If using the receiver Web User Interface to load the v4.17 *.TIMG file, make sure that the receiver is already running firmware version 3.71 or later *before* you start this installation. If the receiver firmware version is earlier than 3.60, load version 3.60 first, then load version 3.71 before you load version 4.17.