Trimble®NetRS™ GPS Infrastructure Receiver

Firmware Version 1.20 Release Notes

Version 1.20
Revision A

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Release Notice

This is the February 2007 release(Revision A) of the NetR5 GNSS Infrastructure Receiver Release Notes. It applies to version 3.30 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 dealer.

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Introduction

These release notes describe new or changed features in Version 1.20 of the Trimble® NetRS™ GPS Infrastructure Receiver firmware.

The CD supplied with your receiver contains utilities that you can use to program or configure the receiver.

Before you upgrade the firmware, Trimble recommends that you download and back up any files that are stored on the receiver.

If your Trimble receiver is supplied with additional Trimble firmware or software products, make sure that those items have been upgraded to the latest version before installing firmware Version 1.20.

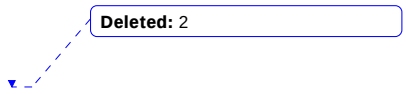
New Features and Changes

General

- RTCM Version 3.0 output has been added to the available I/O streams.
- The NetRS now supports the Zephyr Geodetic 2 antenna.

Data Interface

- A modified RT17 data stream was added to allow simultaneous streaming of L2C and L2Y data.
- A Trimcomm command to control L2 tracking mode was added.



- The Met/Tilt interface now allows faster command intervals of 1, 5, 15, and 30 seconds.
- RT17 data streams now include periodic Record-19 week/time sync records. These records are sent whenever a new client connects and every five minutes to provide unambiguous time stamps.
- Binex streaming can be configured for selective inclusion of Met/Tilt results.

GPS Tracking

- GPS tracking updated to allow simultaneous tracking of L2Y and L2C signals. This is configurable in the web interface under the Receiver Configuration\L2 Tracking menu.
- Enhanced tracking and decoding of PRN 32 information.

Ephemeris Data Enhancements

- Ephemeris messages will not be transmitted if they are more than 24 hours old.
- Ephemeris data will be re-transmitted every five minutes for tracked satellites and every 15 minutes for other satellites.
- Ephemeris data for new ephemeris issues will be transmitted as soon as possible after first being received.

- A complete set of ephemeris data will be transmitted whenever a new client connection is made to a TCP or UDP port.
- Ephemeris data service now includes data for all satellites as well as ionospheric data. Previously, this service did not provide data for untracked satellites.

Data Logging

- A modified T00 format has been introduced to allow the simultaneous storage of L2C and L2Y information.
- Binex storage now allows for the selective inclusion of Met/Tilt results. If all records are disabled except Met/Tilt, it is possible to log a file containing only the Met/Tilt results.