



July 28, 2014

Dealer Notification OEM6 Firmware Release Notice
NovAtel announces the release of receiver firmware OEM060510RN0000 and
OMP060510RN0000

NovAtel Inc. is pleased to announce the release of version OEM060510RN0000 and OMP060510RN0000 firmware for the OEM6 GNSS receivers. These are also known as firmware release 6.510.

In conjunction with the release of the OEM638 firmware version there is also the release of a new FPGA firmware build OIF000004RN0000.hex

OMP060510RN0000.shex is specific to the OEM638 and ProPak-6 receivers

OIF000004RN0000.hex is specific to the OEM638 and ProPak-6 receivers

OEM060510RN0000.shex is the release build for all other OEM6 family receivers.

OEM638 AND PROPAK-6 FIRMWARE UPDATE NOTE:

When the OEM638 or ProPak-6 receiver firmware is updated to OMP060510RN0000 (6.510) the receiver's FPGA firmware version MUST also be updated to OIF000004RN0000. The receiver firmware and FPGA firmware must be installed via COM2 of the OEM638 or ProPak-6.

Please contact NovAtel Customer Support for details on loading the FPGA firmware on either the OEM638 or ProPak-6 receiver products. support@novatel.com

Firmware Release Notes:

- General Release (supports all 6 platforms except GPStation6)
- **FPGA version 4 update for all OEM638 models (see notice above)**
- 617 HW Support
- PPP Support on Smart6
- PPP Latency Improvement:
 - Previously PPP calculation latency limited the PPP position rate and caused variable calculation latency.
- BDS Acquisition Improvement:
 - Cold start improvement of 8 seconds
- 240 channels supported on OEM638/PP6

**New Commands:**1. **SETIMUPORTPROTOCOL**

The SETIMUPORTPROTOCOL command is to force the IMU serial port to a particular protocol. This overrides the default setting configured upon the CONNECTIMU command.

2. **RELINSAUTOMATION**

Command sent to rover to enable SPAN Moving Baseline functionality between it and master.

Command Change:1. **LEVERARMCALIBRATE**

Changes to LEVERARMCALIBRATE min/max time allowed for calibration to 300-1800 from 0-1000.