TRIMBLE RECEIVERS

TRIMBLE OEM GNSS

Version 3.85
Revision A
June 6, 2019

This document contains late-breaking product information, updates, and troubleshooting tips not covered in the Trimble® GNSS OEM receivers' documentation:

- ▸ Introduction
- ▸ New Features and changes
- ▸ Upgrade Procedure and Documentation

Introduction

This release note describes the improvements made since version 3.67 to the following Trimble GNSS OEM receiver:

- ▸ MB-Two
- ▸ ABX-Two

With this release, we recommend users to upgrade to 3.85 of the firmware for the latest features.

New Features and Changes

The following improvements have been made to the Trimble GNSS OEM receivers:

- ▸ General
    - ▸ Implemented QZSS Phase II and BeiDou Phase III support in RTK engine
    - ▸ Implemented CMRx RTK Rover Performance
    - ▸ CMRx can now output in base station mode
    - ▸ CMRx data is now supported in hot standby RTK
    - ▸ Implemented Trimble Internet Base Station Service (IBSS) support
    - ▸ Improved RTK performance under interrupted data links
    - ▸ Improved APIS performance
    - ▸ Implement P-Cube to reduce time to first fix
    - ▸ Enhancement of ATOM velocity output
    - ▸ Addressed GPS week number rollover
    - ▸ Bug Fixes
- ▸ New Message Support
    - ▸ sCMR support in rover mode
    - ▸ NMEA 2000 message support
        - ▸ 129028 - Attitude Delta, High Precision Rapid Update
        - ▸ 129540 - GNSS Satellites in View
        - ▸ 129542 - GNSS Pseudorange Noise Statistics
    - ▸ Trimble RTX AES encryption support
    - ▸ New $PASHR, RCA message containing CMR type 2 attributes

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- ▶ Web UI improvements
    - ▶ Web UI can now send command files
    - ▶ Web UI can display base coordinates imported from a file as text

Upgrade Procedure and Documentations

Version 3.85 of the firmware (Trimble MB-Two Upgrade V3.85) can be downloaded from the Trimble Support web page. Go to https://www.trimble.com/Precision-GNSS/Index.aspx and select the applicable product.

There are two ways to load the new firmware:
- ▶ Use the Ashcom application
- ▶ Use the web interface of the receiver

For more information, please refer to the Firmware Upgrade section in the MB-Two User Manual or ABX-Two User Manual.

Legal Notices

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Release Notice

This is the May 2019 release (Revision A) of the GNSS OEM Receivers' Release Notes. It applies to version 3.85 of the Trimble OEM GNSS Series receivers.