



MGOS 4.3.1.6

RELEASE NOTES

About MGOS 4.3.1.6

MGOS 4.3.1.6 is a manufacturing release to provide support for an updated GNSS receiver driver.

IMPORTANT: MG90s shipped with MGOS 4.3.1.6 from the factory must not be downgraded to any earlier MGOS versions as this can cause the GNSS module to become non-functional.

MG90 routers using earlier MGOS revisions are not required to upgrade to this release. However, routers can be upgraded to MGOS 4.3.1.6 using the Upgrade Methods described below, if necessary.

Note: Sierra Wireless recognizes that our customers deploy devices in a wide range of network environments with varying configurations. It is always good practice to install a new MGOS release with the planned operation workflow on a few trial devices to ensure that standard operation is maintained within your environment before deploying the new release across your fleet of MG90 devices.

Upgrade Methods

MGOS 4.3.1.6 can be installed using either of the following methods:

- USB stick—Upgrade directly to MGOS 4.3.1.6
- Over-the-air—Upgrade via AMM from MGOS 4.3.0.1 or later, subject to the requirements below

AMM Over-The-Air Upgrade Requirements

- AMM 2.16 or newer is required to upgrade over-the-air to MGOS 4.3.1.6.

Important: Upgrading using older AMM versions will result in MGOS firmware upgrade failures, and can require a USB-stick install to recover. For more information, refer to [Product Bulletin: AMM 2.16 Prerequisite to MG90 firmware upgrade](#).

- **Upgrade recommendation**—Before using AMM to upgrade to MGOS 4.3.1.6, Sierra Wireless recommends setting the download timeout value to 7200 s, to ensure the download completes in one attempt. (Otherwise, if the download times out, it will resume at the next opportunity—for example, when the active link changes, the next scheduled update window, when the device reboots, etc.)
 - a. In MGOS, go to General > Auto Software Updates.

- b. In Download Timeout (Seconds), enter 7200.

The screenshot shows the MGOS web interface with the 'Automatic Software Update Configuration' page. The 'Options' tab is selected. The 'Enabled' checkbox is checked. The 'Allow Downgrade' checkbox is unchecked. The 'Upgrade Options' section has three radio buttons: 'Download Updates Only' (unchecked), 'Download and Apply Updates on Next Boot' (selected), and 'Download and Apply Updates during Scheduled Time (UTC time without DST)' (unchecked). The 'Download Bandwidth Limit (KB/s)' field is empty. The 'Download Timeout (Seconds)' field is highlighted with a red box and contains the value 7200. The 'Download on High Cost Link' checkbox is unchecked.

- c. Click Submit.

Added Support

GNSS

Added manufacturing support for updated internal GNSS receiver driver.