

## MGOS 4.2.2 Release Notes

MGOS 4.2.2 is for MG90 Series routers.

### Upgrade Requirements

MGOS 4.2.2 can be installed:

- Directly via USB stick, or
- As an over-the-air upgrade subject to the requirements below

#### AMM Over-The-Air Upgrade Requirements

- **OTA upgrades must be performed by AMM 2.16 or newer**

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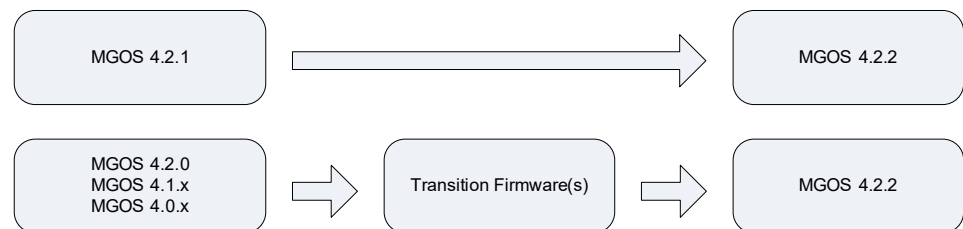
**Important:** *Upgrading using older AMM versions will result in MGOS firmware upgrade failures, and can require a USB-stick install to recover. For more information, refer to [Product Bulletin: AMM 2.16 Prerequisite to MG90 firmware upgrade](#).*

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The following requirements must be met if using AMM to upgrade the MG90 OTA:

- MG90s containing two different Sierra Wireless Modules (e.g. MC7354+MC7455, MC7455+EM7511, etc.)—Make sure a SIM is inserted for at least one of the radio modules prior to performing the upgrade. For more information, refer to the [AirLink MG90 Software Configuration Guide](#) topic “Installing Software Updates”.
- Upgrade path—A minimum version of MGOS 4.2.1 is required to upgrade directly to this release. **For MG90s installed with MGOS 4.2.0 (or earlier), transition releases are required before upgrading to this release. The required transition releases depend on the MG90’s currently installed firmware.**

To identify the transition firmware required, refer to [Product Bulletin: Upgrading to MGOS 4.2 or Later—Updated 26 Nov 2018](#).




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**Important:** *“Transition Firmware(s)” (MGOS 4.1.2.2 and MGOS 4.2.0.2) are only intended as stepping-stone firmware in the upgrade path to MGOS 4.2.2 and are not intended for long-term use. Failure to install the required transition firmware prior to upgrading to MGOS 4.2.2 via the AMM will result in an upgrade failure, and can require a USB-stick install to recover.*

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## New Features

### Radio Modules

Updated module firmware:

- EM7511—01.08.04.00 (Verizon)
- EM7565—01.07.02.00 (Generic)
- MC7455—02.30.01.01 (AT&T)

### Status

Updated Extended Status screen (Status>WAN>Extended Status) to display SKU PRI ID and Revision.

## Addressed Issues

### Software Upgrade

Resolved issue that could cause upgrade failure during WAN link switch.

Resolved issue that could cause USB stick upgrade or over-the-air upgrade to stall and retry.

### Ethernet

Resolved issue with 802.1x authentication on Ethernet LAN connections.

### Load Balancing

- Resolved an issue with traffic routing between primary and secondary links.
- Resolved issue where remote LCI access is unreliable when Load Balancing is enabled.

Resolved issue that prevented remote LCI/console access when Load Balancing was enabled.

### GNSS

Resolved issue that produced invalid NMEA sentences when Dead Reckoning was enabled where latitude is < 100 degrees (North or South) and longitude is < 100 degrees (East or West).

Resolved issue that caused location updates to stop when Dead Reckoning calibration was lost.

Resolved issue where satellite fixes are lost when Dead Reckoning is enabled.

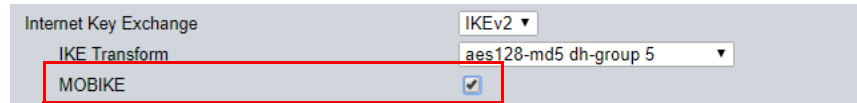
## Known Issues

### VPN

Host-to-LAN VPN may intermittently cease to pass traffic after extensive link switching when MOBIKE is not enabled.

A router reboot can temporarily resolve the issue, however updating the VPN configuration to enable MOBIKE can provide a more permanent resolution.

This issue will be addressed in a subsequent release.



## Sierra Wireless Contact Information

Sales information and technical support, including warranty and returns:

Web: [sierrawireless.com/company/contact-us/](http://sierrawireless.com/company/contact-us/)

Global toll-free number: 1-877-687-7795

Corporate and product information: [sierrawireless.com](http://sierrawireless.com)