



MG90 LTE-A Pro—MGOS 4.2.2 Verizon Firmware Installation

MGOS 4.2.2, which includes Verizon certified radio module firmware, is now available for installation on MG90 LTE-A Pro routers.

This document describes how to upgrade your MG90 LTE-A Pro via USB stick installation or OTA via AMM. The upgrade process includes the following steps:

1. [Identify MG90 LTE-A Pro's Radio Modules](#)—The specific installation instructions to follow will depend on the types of radio modules installed in the MG90 LTE-A Pro.
2. Upgrade the MG90 LTE-A Pro via one of the following methods:
 - [Method A—USB Stick Upgrade](#)
 - [Method B—AMM OTA Upgrade](#)
3. [Confirm Upgrade Status and Loading of Verizon Radio Module Firmware](#).

1. Identify MG90 LTE-A Pro's Radio Modules

The specific installation requirements for your MG90 LTE-A Pro depend on the cellular module types installed in the device.

1. Log in to the LCI and go to Devices > Cellular.

Friendly Name	Device Type	Location	Use
Sierra Wireless EM75XX @ MiniCard USB3 CB (Cellular E	Sierra Wireless EM75XX	MiniCard USB3 CB (Cellular B)	IDLE ▼
Sierra Wireless MC74XX @ MiniCard USB3 CA (Cellular A	Sierra Wireless MC74XX	MiniCard USB3 CA (Cellular A)	WAN ▼

2. Make note of the Device Type for each installed cellular device. (The Location is worth noting as well, to make sure the correct SIMs are installed later for each radio module.)

2. Upgrade Methods

MGOS 4.2.2 can be installed via USB stick or over-the-air (OTA) via AMM, as described below.

Method A—USB Stick Upgrade

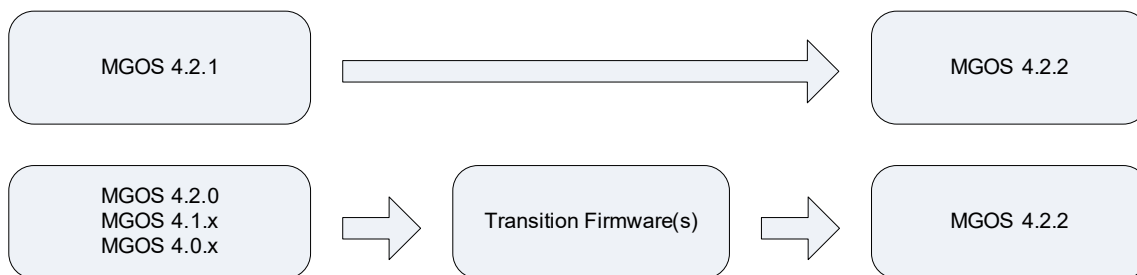
1. Upgrade directly to MGOS 4.2.2 using the USB image and instructions available at https://source.sierrawireless.com/resources/airlink/software_downloads/airlink-mg-usb-images/.
2. After upgrading, make sure the Verizon firmware loaded successfully—see [Confirm Upgrade Status and Loading of Verizon Radio Module Firmware](#) on page 3.

Method B—AMM OTA Upgrade

Note: [Method A—USB Stick Upgrade](#) is the preferred upgrade method for MG90 LTE-A Pros that contain two different Sierra Wireless radio modules.

OTA upgrades must be performed by AMM 2.16 or newer.

MG90 LTE-A Pros installed with MGOS 4.2.0 (or earlier) must upgrade to a transition release before upgrading to MGOS 4.2.2. The required transition release depends on the MG90 LTE-A Pro'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](#).

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](#).*

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.*

Upgrading to MGOS 4.2.2

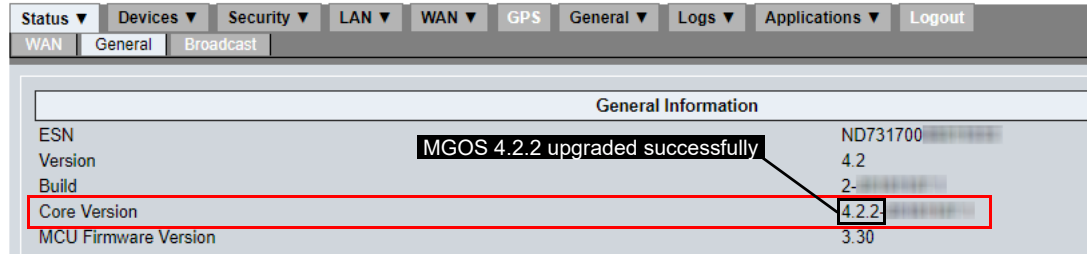
To upgrade an MG90 LTE-A Pro to MGOS 4.2.2:

1. If the MG90 contains two different Sierra Wireless radio modules, make sure a SIM is inserted for at least one of the modules before continuing. (For more information, refer to the [AirLink MG90 Software Configuration Guide](#) topic “Installing Software Updates”.)
2. If upgrading from MGOS 4.2.0 or earlier firmware, upgrade OTA to the appropriate MGOS transition firmware. To identify the transition firmware required, refer to [Product Bulletin: Upgrading to MGOS 4.2 or Later—Updated 26 Nov 2018](#).
3. Upgrade OTA to MGOS 4.2.2.
4. After upgrading, make sure the Verizon firmware loaded successfully—see [Confirm Upgrade Status and Loading of Verizon Radio Module Firmware](#) on page 3.

3. Confirm Upgrade Status and Loading of Verizon Radio Module Firmware

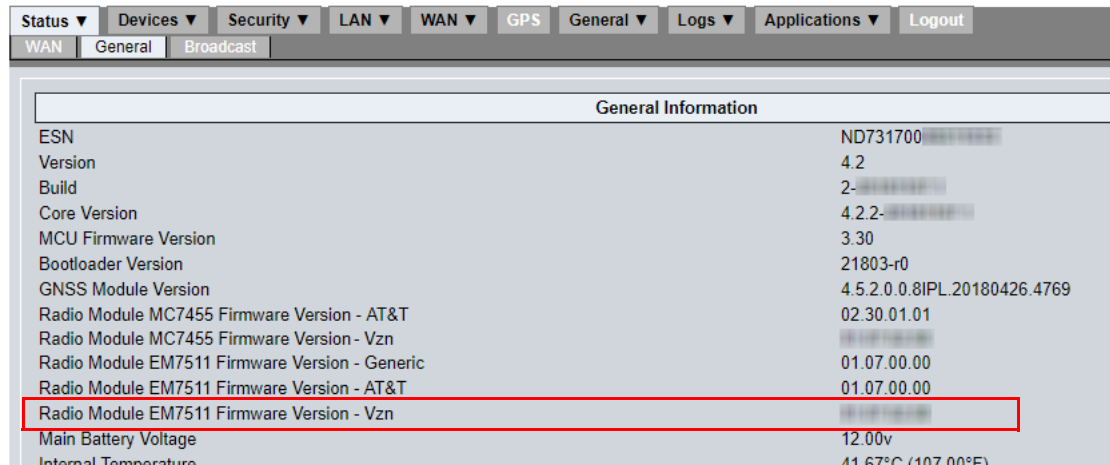
To confirm the MGOS 4.2.2 upgrade was successful and the Verizon firmware is now loaded on the MG90 LTE-A Pro:

1. Go to Status > General.
2. Confirm the Core Version is "4.2.2-xxxxxxx".



Note: The upgrade status can also be checked in the AMM, if an OTA upgrade was performed.

3. Confirm that the Verizon firmware is available on the MG90:



Note: If Verizon SIMs were installed at the time of upgrade, Verizon firmware is automatically loaded on the corresponding radio modules. If Verizon SIMs are installed at a later time, the Verizon firmware will be loaded on the corresponding radio modules upon reboot.