



ALEOS 4.16.2

RELEASE NOTES

About ALEOS 4.16.2

This release of ALEOS 4.16.2 is for the AirLink® MP70 and RV55. These release notes describe security enhancements and bug fixes that apply to this release. ALEOS 4.16.2 supersedes ALEOS 4.16.1. For routers affected by the Connection issue described in the bulletins available [here](#), upgrade to ALEOS 4.16.2.

Important: *Upgrading from ALEOS 4.15.x to 4.16.2 generates multiple radio firmware updates that will cause the router to be offline for about 20 minutes. If you are updating locally, be patient and do not remove power until the update is complete. Please see the [Application Note on the Source](#) for upgrade instructions. **Upgrading from ALEOS 4.16.0 to 4.16.2 does not generate multiple radio module firmware updates.***

Sierra Wireless encourages all customers to maintain their AirLink routers with the current ALEOS release and security patches via our AirLink Management Service (ALMS). Sierra Wireless tests and validates upgrades from the previous two major software releases. If you have routers running an ALEOS release older than the previous two major releases it is recommended that you follow the tested and supported upgrade path.

In addition, other than basic questions that can typically be answered in our existing product documentation, Sierra will only provide technical support for the current and the previous two major software releases via our technical support organization. For example, the current version of ALEOS is 4.16.2 and we continue to support ALEOS 4.16.0 and ALEOS 4.15.x

If you have a support issue with a version prior to ALEOS 4.15.x, you will be asked to upgrade to a supported version before engaging our technical support organization.

If you need to downgrade a router, you must first perform a factory reset, then install the downgraded version and then perform a second factory reset. We do not provide technical support on routers that have not been factory reset before and after a downgrade has been performed.

Refer to the table below for the supported ALEOS versions and upgrade paths.

| ALEOS Release | Support Level | Upgrade Path |
|---------------|---------------|--|
| ALEOS 4.16.2 | Supported | n/a—This is the currently released version |
| ALEOS 4.16.1 | Supported | Upgrade to 4.16.2 |
| ALEOS 4.16.0 | Supported | Upgrade to 4.16.2 |

| ALEOS Release | Support Level | Upgrade Path |
|-------------------------|---|------------------------------|
| ALEOS 4.15.x | Supported | Upgrade to 4.16.2 |
| Previous ALEOS Releases | Limited support. Upgrade to a supported release for technical support | Upgrade to supported release |

Note that downgrading ALEOS 4.15.2, ALEOS 4.15.3, and ALEOS 4.15.4 on specific routers is prevented because specific newer routers contain hardware components (substitutions) that are not supported on older versions of ALEOS. Refer to the following table for the details.

| ALEOS Version | Availability | LX40/60 | RV50 | RV50X | RV55 | MP70 | Notes |
|---------------|--------------|---------|------|-------|------|------|---|
| 4.15.0 | Dec. 2021 | ✓ | ✓ | ✓ | ✓ | ✓ | Feature release |
| 4.15.1 | Dec. 2021 | ✓ | | | | | AT&T 3G sunset check |
| 4.15.2 | Jan. 2022 | | ✓ | ✓ | ✓ | | <ul style="list-style-type: none"> Radio module bootloader upgrade Prevents installation lower than this version on newer incompatible hardware |
| 4.15.3 | Apr. 2022 | ✓ | ✓ | ✓ | ✓ | ✓ | <ul style="list-style-type: none"> Radio module bootloader upgrade Prevents installation lower than this version on newer incompatible hardware |
| 4.15.4 | July 2022 | ✓ | ✓ | | ✓ | | <ul style="list-style-type: none"> Support for additional eSIM suppliers Prevents installation lower than this version on newer incompatible hardware |
| 4.16.0 | Nov. 2022 | ✓ | ✓ | ✓ | ✓ | ✓ | <ul style="list-style-type: none"> Feature release Critical Maintenance for RV50 ends Dec 31, 2022. This is the final release for the RV50. Factory release H1 2023 TBC |
| 4.16.1 | Apr. 2023 | | | | ✓ | ✓ | <ul style="list-style-type: none"> AirLink Router Connection Issue update requiring additional factory reset For routers affected by the Connection Issue, upgrade to ALEOS 4.16.2 below Security Update |
| 4.16.2 | May 2023 | | | | ✓ | ✓ | <ul style="list-style-type: none"> AirLink Router Connection Issue update Security Update |

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 ALEOS release on a few trial devices to ensure that standard operation is maintained within your environment before deploying the new release across your fleet of AirLink devices. For more information, please see the application note [Testing AirLink Devices Before Deployment](#).

Supported AAF Applications

The following applications have been tested and verified to work with ALEOS 4.16.2:

- AVTA 1.4.1.01
- AMMER 1.0.7
- AVTC 1.0.1.001 (deprecated for GNX-6)
- ACEview 4.0.2.3

Security Enhancements

General

Fixed an issue where commands could be executed from the ping menu in ACEmanager.

Fixed some configuration parameters on the ACEmanager TLS server to prevent Secure Client-Initiated Renegotiation.

Added rate limiting to SSH port to protect against brute-force log-in attempts.

Bug Fixes

Radio Module

Fixed a condition preventing the profiles on affected radios (based on IMEI) from being corrected without a reset to factory default.

Provided additional AT commands to validate that profiles are being corrected properly.

Provided a remediation mechanism to resolve the AirLink RV55 LTE-A Pro and MP70 LTE-A Pro connection issue described in the bulletins available [here](#).

VPN

Fixed an issue where port forwarding would not work properly with Host to LAN VPN configurations.

AT Commands

Fixed an issue where AT*netop? would return an error.

Logging

Fixed an issue where error messages would appear in ALEOS logs regarding invalid port forwarding configuration.

Resolved an issue where logs failed to upload after an initial successful log upload to ALMS.

Admin

Fixed ToD (time-of-day) reboot interval to reboot at configured interval.