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ALEOS 4.17.1

RELEASE NOTES

About ALEOS 4.17.1

This release of ALEOS 4.17.1 is for the AirLink® MP70, RV50X, RV55, LX40 and LX60. These release notes describe new features, security enhancements and bug fixes that apply to this release.

ALEOS 4.17.1 supersedes ALEOS 4.17.0 and remedies an issue with ALMS connectivity. For more information, see [this bulletin](#). AirLink routers running ALEOS 4.17.0 should be upgraded to 4.17.1 immediately.

Warning: *Upgrading from ALEOS 4.15.x and earlier releases to 4.17.1 is not directly supported. All ALEOS-powered routers must be upgraded to ALEOS 4.16.0 before upgrading to a release later than 4.16.0. ALEOS 4.16.0 includes enhancements that must be applied before upgrading to a later release.*

Note: Please note that ALEOS-powered AirLink routers will be offline during a firmware upgrade. With a combined ALEOS firmware and radio module firmware update, the offline period may be several minutes or more.

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 4.17.1 and we continue to support ALEOS 4.16 and ALEOS 4.15.

If you have a support issue with a version prior to ALEOS 4.15, 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 4.17.1 | Supported | n/a—This is the currently released version |
| ALEOS 4.16 | Supported | Upgrade to 4.17.1 |
| ALEOS 4.15 | Supported | Upgrade to 4.16 ^a |
| Previous ALEOS Releases | Limited support. Upgrade to a supported release for technical support | Upgrade to supported release |

a. Upgrading from 4.15 to 4.17 is not directly supported. Please see the Warning on [page 1](#).

Note that downgrading to older ALEOS versions from 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.

Note: Sierra Wireless recognizes that our customers deploy routers 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 routers to ensure that standard operation is maintained within your environment before deploying the new release across your fleet of AirLink routers. For more information, please see the application note [Testing AirLink Devices Before Deployment](#).

New Features

Cellular

For smart connectivity SIM, the EID will be reported on Cellular page.

ALEOS

Updated the template feature so when a template is applied, the default parameters are Reboot and Overwrite Inactive Fields.

Security Enhancements

Security and CVE Vulnerabilities

Addressed potential vulnerabilities related to [CVE-2023-41913](#).

Addressed potential vulnerabilities related to [CVE-2023-45853](#).

Addressed potential vulnerabilities related to [CVE-2023-46850](#) and [CVE-2023-46849](#).

Bug Fixes

Networking

Fixed an issue where a failure in the ping monitor would sometimes not set the link of the interface to the correct state.

Cellular

Resolved an issue where the router did not report the APN in use.

VPN

Resolved an issue related to excessive OpenVPN log messages by not querying the management interface for peer IP when the VPN status is checked.

Resolved an issue where an OpenVPN tunnel could be established, but not pass traffic if OpenVPN "Fragment" is set to 0.

ALMS

Fixed an issue with the LWM2M protocol where routers would stop communicating with ALMS either for extended periods of time or permanently.

Logging

Fixed an issue where the end time would not appear in the summary text file.

Fixed an issue where a radio diagnostic check could cause multiple reboots.

Services

RV50X: Fixed an issue where SNMP could not be started.

Templates

Fixed an issue where, on an RV55 with dual serial capabilities, serial port 1 configuration was not being stored in the template.