



ALEOS 4.15.3

RELEASE NOTES

About ALEOS 4.15.3

This release of ALEOS 4.15.3 is for the AirLink® MP70, RV50, RV50X, RV55, LX40 and LX60. These release notes describe new features and bug fixes that apply to this release.

Note: ALEOS 4.15.0 supports TLS 1.3 and default downgrade support to 1.2, but allows 1.0 and 1.1. Starting with release 4.16.x, ALEOS will no longer support TLS 1.0. and 1.1.

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 4.15 and we continue to support ALEOS 4.14 and ALEOS 4.13. If you have a support issue with a version prior to ALEOS 4.13, you will be asked to upgrade to a supported version before engaging our technical support organization. Our testing of downgrades involves first installing the downgraded version, and then performing a factory reset. We do not provide technical support on routers that were not factory reset after a downgrade was performed. See the table below.

ALEOS Release	Support Level	Upgrade Path
ALEOS 4.15	Supported	n/a
ALEOS 4.14	Supported	Upgrade to 4.15
ALEOS 4.13	Supported	Upgrade to 4.14 or 4.15
Previous ALEOS Releases	Limited support. Upgrade to supported release for technical support	Upgrade to supported release

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 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 AirLink devices.

New Features

Radio Module Firmware

Updated WP76xx firmware to be compatible with new memory on radio modules.

General

Added a mechanism to ensure that ALEOS firmware, GNSS firmware and radio module firmware versions are compatible with the hardware. Routers shipped from the factory with ALEOS 4.15.2 or later will block installation of earlier ALEOS, GNSS, and radio module firmware versions if not supported by the hardware.

VPN

Implemented back-off mechanism for management tunnel connection attempts.

ACEmanager

LTE channel bandwidth is now displayed in Status > Cellular > Advanced and also in templates.

Bug Fixes

Cellular

Band 29 is disabled by default for all routers with EM75xx radio modules.

MP70: Resolved an issue where the Network LED indicated the router was unable to locate the required firmware when running "secondary" radio module firmware. The Network LED is now solid Green when running "secondary" radio module firmware for network carriers.

Wi-Fi

Resolved an issue where Wi-Fi SSIDs would occasionally revert to their default value (serial number).

Location

Resolved an issue where external GNSS would lose communication with the main processor.

Fixed an issue where the socket for LATS report was not created properly and prevented the report from being sent.

VPN

Addressed an issue where ping monitor failed to work for addresses exempted from IPSec VPN.

Fixed an issue where device generated traffic destined for an exempted domain was still being passed over the VPN tunnel when in a non-FIPS, Host-to-LAN configuration.

Reduced possible VPN downtime when switching from Ethernet to Cellular WAN.

Fixed an issue that was preventing inbound traffic from a Host-to-LAN FIPS VPN from being port forwarded.

SMS

Fixed an issue where the router was unable to receive large SMS.

SNTP

Fixed an issue where SNTP startup time was initialized to 0 by default rather than the known time.

Logging

Resolved an issue where the OP_OBSERVE log message flooded logs at "Notice" level.

AT Commands

Resolved an issue where the ATH command failed validation and returned ERROR.

Telnet

Resolved an issue where a Telnet/SSH session would unexpectedly time out when system time is updated at startup.

Admin

Fixed a timing issue in the startup sequence that sometimes caused the Periodic Reboot Timer to stop working.

Known Issues

Networking and Connectivity

RV Series: To achieve optimal uplink performance with a Windows PC directly connected via Ethernet to an AirLink RV series router, the Windows PC needs an up-to-date Ethernet driver. See the RV55 Hardware User Guide for details on the required Ethernet driver version.

LAN

VLAN does not function with VRRP or VPN. Do not configure VLAN with VRRP or VPN.