



## ALEOS 4.9.8

### RELEASE NOTES

# ALEOS 4.9.8 Release Notes

ALEOS 4.9.8 is for AirLink GX450 and ES450 gateways. These gateways are no longer for sale, as per their end-of-sale announcements available on [The Source](#). ALEOS software maintenance will continue for these gateways in accordance with their end-of-sale details.

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 4.9.8 and we continue to support ALEOS 4.9.7 and ALEOS 4.9.6.

If you have a support issue with a version prior to ALEOS 4.9.6, 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
<b>ALEOS 4.9.8.002</b>	Supported	n/a—This is the currently released version
<b>ALEOS 4.9.7.002</b>	Supported	Upgrade to 4.9.8.002
<b>ALEOS 4.9.6.008</b>	Supported	Upgrade to 4.9.7.002 or 4.9.8.002
<b>Previous ALEOS Releases</b>	Limited support. Upgrade to a supported release for technical support	Upgrade to supported release

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*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](#).*

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## Security Enhancements

### General

Fixed some configuration parameters on the TLS server used for the Admin Web Interface to prevent Secure Client-Initiated Renegotiation.

Fixed a security issue where unauthorized commands could be executed from the Ping menu in AceManager.

### IP Logging

Fixed an issue with filter strings where options “z” and “r” were stripped from commands. Commands containing these options now return an error.

### ACEmanager

Implemented a validation function to ensure the device status screen does not contain unwanted information.

### Security and CVE Vulnerabilities

Addressed potential vulnerabilities related to:

[CVE-2022-32221](#)

[CVE-2022-42915](#)

[CVE-2022-42916](#)

[CVE-2022-43551](#)

[CVE-2022-35260](#)

[CVE-2022-35252](#)

[CVE-2022-37434](#)

[CVE-2021-33646](#)

[CVE-2021-33645](#)

[CVE-2021-33644](#)

[CVE-2021-33643](#)

[CVE-2015-3276](#)

[CVE-2022-29155](#)

Rate-limited TLS renegotiation requests to prevent potential DoS attack ([CVE-2021-36729](#)).

Telnet/SSH connections are limited to 10 new connections per minute ([CVE-2021-36727](#)).

## Bug Fixes

### ALEOS General

Resolved an issue where the gateway could not maintain a PPP session with any data logger for more than about 60 to 90 seconds.