RELEASE NOTES

ALEOS 4.9.9 Release Notes

ALEOS 4.9.9 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 the end-of-sale detailed in the announcement.

Note: Starting with AMM 2.17.5, AAF downloads are only supported over HTTPS. ALEOS 4.9.9 only supports HTTP. This may impact GX450/ES450 routers that rely on updating AAF applications. For additional guidance, please contact Sierra Wireless.

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

If you have a support issue with a version prior to ALEOS 4.9.7, 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 4.9.9.00x	Supported	This is the currently released version
ALEOS 4.9.8.002	Supported	Upgrade to 4.9.9.00x
ALEOS 4.9.7.002	Supported	Upgrade to 4.9.8.002 or 4.9.9.00x
Previous ALEOS Releases	Limited support. Upgrade to a supported release for technical support	Upgrade to supported release

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.

Security Enhancements

General	
	Modified some upload scripts for templates and golden templates so that only .xml and .txt files can be uploaded to the device.
	Fixed an issue where ACEmanager would hang if provided illegal input data.
	Fixed an issue where certificates could be loaded with unsafe names.
	Updated jquery to 3.6.2.
Security and CVE Vulnerabilities	
	Addressed potential vulnerabilities related to CVE-2023-23914.
	Addressed potential vulnerabilities related to CVE-2023-36328.
	Addressed potential vulnerabilities related to CVE-2011-3188.
	Addressed potential vulnerabilities related to CVE-2022-28321 and CVE-2015-3238.
	Addressed potential vulnerabilities related to CVE-2022-1012.
	Addressed potential vulnerabilities related to CVE-2022-4603.
	Addressed potential vulnerabilities related to CVE-2023-27534, CVE-2023-27533 and CVE-2023-28322.