

>> | ALEOS 4.3.5 Release Notes

The ALEOS 4.3.5 release is for ES440, GX Series and LS300 devices. A firmware update is required for the ALEOS 4.3.5 upgrade. Refer to the ALEOS Software Configuration User Guide for details.

Important: For AirLink LS300s updates...

If you are updating a Verizon Wireless or OpenSIM (ROW) LS300:

- 1. Install ALEOS 4.3.4.009.*
- 2. Install ALEOS 4.3.4.010. (AirVantage users can skip this step.)*
- 3. Install ALEOS 4.3.5.*

All other LS300 devices, install ALEOS 4.3.4.009 (or later) before installing ALEOS 4.3.5.

New Features

Status

Added additional status fields to the Security section of the Status screen:

- DMZ IP currently in Use
- Trusted IPs Outbound
- Packet Inspection Level

Added RSCP value in ACEmanager for HSPA and LTE devices

Added new fields to Status > Services to better reflect the ACEmanager access settings

LAN

Increased the maximum value for DHCP lease time. Range is now 120 to 4294967295 seconds (over 136 years)

Added ability to set an alternate DNS port

WAN/Cellular

GX440: Added IPv6 Gateway support. Includes support for IPv6 address acquisition from the cellular network, SLAAC support on the LAN, and routing IPv6 traffic between the LAN and the cellular network. Requires Mobile Network Operator support for IPv6.

LTE Active Rescan feature added (Verizon Wireless ES440 and GX440 only)

Improved accuracy of the Current WAN time in use parameter

VPN

Added OpenVPN logs to syslog

Added support for user-generated TLS authentication keys when using SSL or OpenVPN connections

Added the option to use OpenVPN with certificate authentication only (no username or password)

Security

Created new configuration setting for server-initiated MSCI communications password.

Added option to use a custom SSL certificate and SSL private key for ACEmanager HTTPS access

Added HTTPS option for ALEOS/AVMS communications

Added support for Passive FTP for an FTP server connected to the AirLink device

Services

Added a new option to the Low Power Mode field that causes the AirLink device to shut down if the power drops below a configured threshold

GPS

Reduced minimum GPS report distance from 100 m to 40 m

Serial

ES440: Added SNMP support for analog input

ALEOS Application Framework (AAF)

Remaining flash, RAM, and CPU load can be accessed from an AAF application

Remaining flash, RAM, and CPU load can be accessed from AVMS and ACEmanager

Added ability to set the analog coefficient related to the analog input from an AAF application

AT Commands

New AT commands to set and query IPv6 settings:

- AT*NETIPV6
- AT*NETIPV6PREFIXLEN
- AT*NETIPPREF
- AT*NETIPVCONNTYPE
- AT*DNS1V6
- AT*DNS2V6

Refer to the ALEOS Software Configuration User Guide for details.

New AT Command to query how long the WAN interface has been up:

- AT*WANUPTIME?

Miscellaneous

Reduced bootup time

Added support for #NETPHONE macro in Device Name field. Refer to the ALEOS Software Configuration User Guide for details.

Bug Fixes

LS

Fixed a start-up issue for LS300 units produced before the factory introduction of 4.3.4.009.

GPS

GX400 AT&T: Corrected issue where devices intermittently stopped sending GPS updates.

Fixed a problem where GPS streaming on the USB serial port did not resume after a reboot

Resolved multiple SNF reliable mode protocol issues.

SMS

Fixed issue where SMS advanced settings were not shown when SMS Password Only mode is selected

@ symbol is now accepted in the SMS provisioning command

Connectivity

Fixed an issue in PAD TCP and UDP modes where a connection could not be re-established from the remote end after the initial connection was terminated locally

Removed a time delay that was keeping the serial port in AT Command mode for 10s following a TCP disconnect

ALEOS Application Framework (AAF)

Fixed issue where AAF applications were incorrectly receiving notifications as soon as a callback was registered for ALEOS variable changes

LAN

Fixed a problem where the DHCP server was not restarting after the LAN was disconnected

Security

Fixed issue where some special characters and punctuation were not recognized in the Wi-Fi passphrase

UI

Latitude and longitude are displayed correctly on the ACEmanager Device Status screen (when enabled) in Internet Explorer.

Fixed an issue where the Status > Serial screen was incorrectly showing an IO X-Card installed when there was no X-Card installed

Fixed error in Ec/Io calculation

Miscellaneous

Fixed problem with SNMP: MSCIID_RESET_MODEM now shows the correct value after reboot

Fixed a problem where the ALEOS password was not being used properly by RAP commands after being changed in ACEmanager

Fixed a problem where the AT+CGSMS field was not appearing in Services > SMS > Advanced window, regardless of mode chosen

Updated APN drop-down list to support additional Mobile Network Operators and account types

Known Issue

- The gateway will reboot frequently if hardware flow control is enabled on the serial port and there is no serial device connected. If you are not using the serial port (i.e. no cable connected), ensure that the Flow Control field on the Serial > Port Configuration screen is set to None.
- While using reverse telnet or Reliable Static Routing with reverse telnet, you may receive garbled data in the telnet session when switching routes because under certain circumstances the AirLink device may have two Telnet sessions open simultaneously. This problem will be resolved in ALEOS 4.3.6. In the meantime, Sierra Wireless recommends that you:
 - Do not open more than one telnet session.
 - In ACEmanager set the Remote Login Server Telnet/SSH Port Timeout (minutes) field on the Services > Telnet/SSH screen to a low value. This ensures faster recovery if the problem does occur.