

»» | ALEOS 4.4.1 Release Notes

The ALEOS 4.4.1 release is for AirLink ES Series, GX Series, and LS300 devices. Refer to the ALEOS Software Configuration User Guide for update instructions.

New Features

New Radio Module Firmware

New radio module firmware:

- Telstra GX400 (MC8705): 3.5.6.7
- AT&T GX440 and ES440 (MC7700): 03.05.29.02
- Verizon Wireless and Sprint GX450 and ES450 (MC7354): 05.05.58.01
- AT&T and Canada GX450 and ES450 (MC7354): 05.05.58.00
- International GX450 and ES450 (MC7304): version 05.05.58.00

Template/UI

Wi-Fi has been moved to a separate tab in ACEmanager

Status

The ACEmanager Status screen shows only the radio quality indicators that are related to the active radio technology.

Added LTE SINR to the Status screen

LAN

Added the ability to set DHCP options in order to customize host configuration using DHCP

VPN

Added the ability to configure VPN IPsec failover using Dead Peer Detection

The value 0.0.0.0 can now be used for the remote address and the remote address subnet mask.

Added a new check for VPN configuration conflicts. The VPN status is reported as Configuration Error if:

- More than one of the VPN tunnels have the same remote address and local address
- More than one of the VPN tunnels have the remote address set to "0.0.0.0"

When either of these errors exists, only the first configuration is started. ALEOS logs indicate which VPN tunnel configurations are in conflict.

SMS

Users can now modify the Network Authentication Mode (None, CHAP, PAP) using an SMS provisioning command.

SMTP

Added TLS support for the ALEOS SMTP client

Serial

Users can now configure the serial PAD MTU (supported values are 256–4096 bytes)

Admin

New IP Logging feature enables IP traffic capture to facilitate debugging

New Extended Archiver enables users to capture logs for an extended period

ACEmanager no longer updates unchanged configuration values to the new default values when ALEOS is upgraded. A reset to factory defaults is required to transition device configuration to the new default values.

AT Commands

New AT commands for AVMS to query and configure Auto Synchronization and SSL Verify Peer Certificate

- AT*AVMS_AUTOSYNC
- AT*AVMS_VERIFYPEER

New AT command to query and configure the serial PAD MTU (Maximum Transmit Unit)

- AT*UDPPADMTU

Miscellaneous

Added an option that enables the gateway, at boot time, to sense the presence of a DHCP server on the Ethernet connection. If a server is found, the gateway becomes a DHCP client and uses the Ethernet port for provisioning.

Bug Fixes

Common Vulnerabilities and Exposures (CVE®)

Updated GNU C library to eliminate the possibility of issues related to CVE-2015-0253 aka GHOST

Updated the firmware to eliminate the possibility of issues related to CVE-2014-6271 aka Shellshock bug

Updated the openssl library to eliminate the possibility of vulnerability to CVE-2014-0224

Fixed a vulnerability related to SSH function in the AirLink GX Series gateways (CVE-2008-5161)

UI

If the SIM card does not have a phone number associated with it, the UI now displays “N/A”.

The “Always on connection” field no longer appears on devices where it is not supported (non-International gateways).

Updated the tool tip for the MODBUS Address List AT Command and provided sample values

Fixed a problem where some Mobile Network Operator names were displayed incorrectly in the UI

Cellular Network Watchdog on the WAN/Cellular screen has moved to a new position below Network Watchdog

Fixed a problem where the AirLink GX440 with an I/O X-Card installed was not displaying the appropriate Events and Actions on the Events Reporting screens

WAN/Cellular

Fixed an issue where the gateway would sometimes try to start a data session using an incorrect profile, before being registered on the network

ALEOS will always attempt to use the Primary APN after a reboot.

Fixed an issue related to IPv6 connectivity problems on some gateways

LAN/Wi-Fi

In public mode, inbound unsolicited traffic is now sent to the host with the true source IP, not the "gateway" IP as source.

IP Manager

Fixed an issue where the user-entered IP Manager keys were incorrectly stored if the key length was longer than 16 hexadecimal characters

VPN

Fixed an issue where ACEmanager was unavailable if there was a problem with the SSL certificate used for the VPN

Miscellaneous

Reduced the number of retries when enumeration fails

Redundant fields were removed from the AirVantage Management Service (AVMS) pages.

Known Issue

Applying a 4.4.0 template to an AirLink gateway running ALEOS 4.4.1 will not set Reliable Static Routing (RSR) enable/disable settings correctly. Sierra Wireless recommends that you update the gateway to the latest version of ALEOS before saving a template.