

>> | ALEOS 4.7.0 Release Notes

ALEOS 4.7.0 is for AirLink RV50X, AirLink RV50, AirLink GX450, and AirLink ES450 gateways. It is not compatible with AirLink LS300 or MP70 gateways.

Important: Once the gateway has been upgraded to ALEOS 4.7.0, you cannot downgrade to earlier versions of ALEOS. For upgrade instructions, refer to the ALEOS 4.7.0 Software Configuration User Guide.

New Features

New Product and Hardware Support

Added support for the AirLink RV50X

Reduced boot time for the AirLink GX450

Radio Modules

Approved radio module firmware for Sprint SWI9X30C_02.14.03.02

New radio module firmware for Telstra Lanes for the AirLink RV50X SWI9X30C_02.20.03.01

Status

Added a Radio Hardware Version field to the Status > About screen

Added a Serving Network Operator field to the Status > Home screen

WAN/Cellular

Added ability to enable or disable LTE Bands 26 and 41 to enhance Mobile Network Operator technical support options

Added back-off between retries on the Telstra network when the APN and authentication settings are incorrect

It is now possible to get neighboring cell information from an AAF application.

VPN

Updated to OpenSSL 1.0.2h to address CVE-2016-2107

Security

DMZ is now disabled by default.

Updated Dropbear SSH server/client to version 2016.74 to address security issues. Refer to <https://matt.ucc.asn.au/dropbear/CHANGES> for details.

Services

MSCI HTTP Server And ACEview Services can now be enabled and disabled independently from the ALMS protocol.

Events Reporting

SMS Events Reporting is now supported on the AirLink ES450.

Event Reporting is now available in ALMS for template import/export.

Serial

PPP connections over USB Serial are now supported.

Added support for Serial Line Internet Protocol (SLIP)

Admin

Added support for Recovery mode in the AirLink GX450 and AirLink ES450

Added RSRQ, RSRP, and SINR to periodic log messaging

AT Commands

Added two new AT Commands to:

- Change the PIN on the SIM card
- Activate/Deactivate the SIM card's PIN lock

Bug Fixes

ALMS

Resolved an issue where the Applied Template operation failed if the Reboot option was selected

Status

Fixed an issue preventing the gateway from establishing a data connection if the Operator name could not be determined

Resolved an issue where the reported persistent transmit and receive bytes reported in ACEmanager increased suddenly by large amounts

Resolved an issue where the count of the non-persistent transmit and receive bytes reported in ACEmanager reverted to zero after reaching approximately 4 GB

Resolved an issue on the AirLink ES450 where the Status screen displayed the Board Temperature and Power Input Voltage as zero

Removed extra zero-filled rows in the IP/MAC table on the Status > LAN screen

The GX450 X-Card type is now displayed correctly.

Template

Resolved an issue where some templates were not being loaded properly on the AirLink MP70

WAN/Cellular

Resolved an issue where automatic SIM switching was not working properly when service loss timeout was configured

Resolved an issue where gateways with consecutive IP addresses were unable to communicate with each other

Resolved an issue where ICMP error packets were going out on the WAN interface using local IP as the source IP when the gateway was in public mode

Resolved an issue with CDMA operation on the NA-Generic AirLink GX450 and AirLink ES450 gateways

Resolved an issue where ALEOS did not change the user/ password used by the radio if the cellular user/password was changed but the APN is not

Resolved an issue where ALEOS did not always write the changed APN to the profile on the radio

Corrected auto APN mapping for Hutchison 3G Austria

LAN

Limited the number of port that can be forwarded to 1500 to resolve an issue where the gateway became unresponsive on Ethernet and USBnet when attempting to forward too many ports

Resolved an issue where the gateway became stalled in "Connecting to Network" state when Link Radio Coverage to Interface was set to Ethernet

Wi-Fi

Resolved an issue where the number of connected Wi-Fi devices was not being reported correctly in ALMS

VPN

Resolved an issue preventing access to ACEmanager over an IPSec tunnel

Events Reporting

Resolved an Events Reporting issue where Analog Input and Transformed Analog were not accurate when used with Crossing Threshold or Above Threshold

Resolved an issue in Events Reporting where dialog boxes for Active SIM, Primary SIM, SIM Slot 1, and SIM Slot 2 were missing when configuring actions 3, 4, and 5

Serial

Resolved an issue in the AirLink RV50 where hardware flow control was not working with TCP PAD mode

Services

Resolved an issue where ALMS Status Report variables differed depending on the ALMS protocol being used (LWM2M or MSCI)

I/O

Resolved an issue where analog values between 0 and -1 were not displayed properly

Resolved an issue where transformed analog inputs were not displaying negative values properly

Admin

Enhanced power status logging messages

AT Commands

Resolved an issue where an AT session could not be opened over SSH on the AirLink RV50 or the AirLink MP70