

>> | ALEOS 4.4.4.p05 Release Notes

ALEOS 4.4.4.p05 is for AirLink LS300, GX400, GX440 and ES440 gateways.

Note: After updating the gateway to 4.4.4.p05, the firmware version will appear as 4.4.4.005 on the AirLink® Mobility Manager (AMM) dashboard.

Key Features

WAN / Cellular

TCP and UDP PAD modes are now available even if the device has no WAN connectivity.

Location

Improved NMEA stream validation

Services

Removed device identifying strings from service welcome messages

Security

DMZ is now disabled by default.

Note: This change is only applied after the gateway is reset to the factory default settings.

Addressed potential vulnerabilities CVE-2014-1692 and CVE-2014-2532 (OpenSSH fix)

Addressed potential vulnerability CVE-2016-3116 (dropbear_ssh CRLF injection vulnerability in Dropbear SSH before 2016.72)

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

Addressed potential vulnerability CVE-2015-4000 (TSL Logjam check)

Admin

Incorporated several stability fixes and improvements to AAF

Increased the internal memory available for ALEOS

Bug Fixes

General

Fixed a message queue issue causing stability problems on GX450s with IO X-Cards

Status

Resolved an issue where the 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

WAN/Cellular

Addressed an issue where the DMNR tunnel did not come up under certain circumstances

If ALEOS cannot determine the Operator name, the Operator name is shown as "Unknown" rather than holding up further attempts at establishing a data session.

Resolved issue preventing communication with ALMS over Ethernet

Resolved an issue where ICMP packets with a source IP address from a private IP range were being sent over the cellular interface

The GX/ES440 radio cellular interface is now assigned a 32 bit subnet mask. Consecutive WAN IP addresses on the same radio subnet can now ping each other.

Addressed an issue which may have resulted in MC7700 radio module resets in certain circumstances

Location

Resolved an issue where NMEA and TAIP reports were not being sent out when gateway had no fix

Services

ALEOS now retries entering the SIM PIN before marking it as invalid and requesting manual intervention from the user.

Resolved an issue where AT +CTZU timezone parameters were not being set properly on the GX/ES440 non-Verizon models

AT Commands

Resolved an issue where the AT+COPS AT command was not working properly on GX400 gateways with radio module MC8705

Resolved an issue where the escape sequence (+++) was not working properly