Alcatel·Lucent
Enterprise

Release Notes – Maintenance

OmniAccess Stellar

AP1101, AP1201, AP1221, AP1222, AP1231, AP1232, AP1251, AP1201H

AWOS Release 3.0.4.3058

The following is a list of issues that have been identified and corrected in this AWOS software release. This document is intended to be used as a pre-upgrade guide and does not replace the GA Release Notes which are created for every GA release of software.

Contents

OmniAccess Stellar Supported Modes

- Wi-Fi Express
- Wi-Fi Enterprise OV2500

Note: Not supported with OV Cirrus

Fixed Problem Reports Between Builds 2050 (MR) and 3058 (MR)

PR	Description
ALEISSUE-323	**Summary:** 8118/8128 handset Voice lost during Roaming. **Explanation:** Two optimizations done to improve client roaming time. 1. For clients assigned with default Access Role, default MAC-VLAN of the WLAN is set while WLAN service is initialized. So, after 4-way handshake, AP is ready to forward the client's traffic. 2. Disable WAM module syslog by default to improve processing efficiency.
ALEISSUE-289	**Summary**: Auto Power management does not work. **Explanation**: Not an issue in WiFi Express mode. Updated software to ensure the algorithm runs in all AP deployment modes.
ALEISSUE-283	**Summary**: Background scanning duration is not respected correctly. **Explanation**: Updated software to take the set value. Note: total duration time will be "scanning duration time" + 30ms.
ALEISSUE-262	**Summary**: New AP fails to get country code from PVC. **Explanation**: The country code will be synchronized under the conditions as below: 1. The country code in local product information is RW. 2. The country code in local RFProfile and PVC RFProfile is not same. 3. The country code in PVC RFProfile is not in US JP and ME. Only if the three conditions exist at the same time, the country code will be synchronized.
ALEISSUE-304	**Summary**: AP 1221 rebooted with no reason. **Explanation**: Massive kernel level log print caused system reboot. Changed the log print function and level to resolve.
ALEISSUE-294	**Summary**: AP Sends different MAC during BOOT process. **Explanation**: Disable IPv6 during the initial boot process.

ALEISSUE-288	**Summary**: Mesh point taking 30-35 minutes to show up in OVCirrus. **Explanation**: When AP is configured as Mesh mode, the interval of "Call Home" is reduced to 5 minutes.
ALEISSUE-310	**Summary**: Delay of 5 to 10 minutes in updating the GMIP on the LLDP packet. **Explanation**: Updated software to minimize the delay to reflect change in LLDP.
ALEISSUE-307	**Summary**: Admin password issue when we use Upper case **Explanation**: Web handles the input password in error. This has been resolved.
ALEISSUE-284	**Summary**: Unable to enable 40MHz and 80MHz on 5GHz of APs with JP(Japan) Country code. **Explanation**: Updated software to allow the settings for the APs with JP(Japan) Country code.
ALEISSUE-253	**Summary**: APs show down on OV **Explanation**: Invalid packets occasionally caused the AP Rx interface to go into stalled state. Driver patch has been updated to resolve the issue.
ALEISSUE-278	**Summary**: AP does not respond to DHCP offer **Explanation**: Invalid packets occasionally caused the AP Rx interface to go into stalled state. Driver patch has been updated to resolve the issue.

Fixed Problem Reports Between Builds 1036 (MR) and 2050 (MR)

PR	Description
ALEISSUE-214	**Summary:** Random Client disconnect. **Explanation:** When AP detects excessive packet retransmission errors, the AP puts the client into a state preventing handling of any further data packets. To resolve the issue, the AP upon detecting this state kicks the client so it can disconnect & reconnect.
ALEISSUE-267	**Summary:** Stellar AP 1221 randomly stop broadcasting SSIDs. **Explanation:** SSIDs not broadcasting on some of the APs after running for a long time. The root cause was RF tuning was not occurring in the right sequence leading to interface down status. The sequencing of operation with respect to interface and frequency setting has been corrected to resolve this.
ALEISSUE-282	**Summary:** AP1221 - stopped advertising SSID on 2.4Ghz. **Explanation:** This issue occurs because of a race condition when the AP attempts to perform a channel change, and at approximately the same exact time the DCM

	functional block (responsible for band-steering & load-balancing) queries the ACS on the old channel for utilization information. This results in the SSID interface locking up stopping SSID to be broadcasted on the band. To resolve, when ACS functional block is performing a channel change, the DCM functional block will back off until the channel change operation is completed.
ALEISSUE-272	**Summary**: AP's going down in OV but it's actually up and serving clients. **Explanation**: The root cause is after deleting the GTTS interface, AP does not handle receiving/forwarding of bigger packets. This has been resolved.

Fixed Problem Reports Between Builds 17 (GA) and 1036 (MR)

PR	Description
ALEISSUE-189	**Summary**: Though AP's are in Australia country code, customer noticed the Channels 120, 124, 128 in the RF profile which is restricted in Australia. **Explanation**: Remove channel 120,124,128 from web UI.
ALEISSUE-221 ALEISSUE-224	**Summary**: Band steering not working on couple of APs. **Explanation**: The root cause was the lbd process was not initialized properly leading to this. lbd process initialization is corrected to fix this.
ALEISSUE-225	**Summary**: SSIDs not broadcasting. **Explanation**: SSIDs not broadcasting on some of the APs after running for a long time. The root cause was RF tuning was not occurring in the right sequence leading to interface down status. The sequencing of operation with respect to interface and frequency setting has been corrected to fix this.
ALEISSUE-240	**Summary**: AP-1101 devices are continuously rebooting after enabling the Airtime Fairness. **Explanation**: Updated new driver on OAW-AP1101 to solve the problem.
ALEISSUE-216	**Summary**: NAS-ID field not being sent in RADIUS request by Stellar cluster. **Explanation**: Allow user to specify the NAS identifier in web UI and send out through RADIUS request packets.
ALEISSUE-227	**Summary**: HSTS Certificate Error on Android devices while doing Social Login using Facebook

	Explanation: Adding m.facebook.com into the white list domains of Walled Garden, as well as Optimizing the release rules for the IP address resolved by the DNS server.
ALEISSUE-255	**Summary**: Immediately change the default image of captive portal. **Explanation**: Replace the Express internal captive portal background picture.
ALEISSUE-256	**Summary**: APs show down on OV. **Explanation**: Some APs appear as down at the OV2500, SSIDs are propagated but the users cannot log in. The root cause was timeout of the AP connection agent when getting other service information, finally leading to this. The timeout process has been optimized to fix this.
ALEISSUE-258	**Summary**: 5 AP's in a cluster not broadcasting 5 Ghz Radio **Explanation**: The root cause was RF tuning was not occurring in the right sequence leading to interface down status. The sequencing of operation with respect to interface and frequency setting has been corrected to fix this.

Open Problem Reports and Known Issues

The problems listed here include problems known at the time of the product's release. Any problems not discussed in this section should be brought to the attention of the Service and Support organization as soon as possible. Please contact customer support for updates on problem reports (PRs) where no known workaround was available at the time of release.

PR	Description	Workaround
ALEISSUE-164	**Summary:** The output of "iwlist ath01 txpower" is incorrect on AP1101.	Has already been fixed in AWOS 3.0.5.
ALEISSUE-249	**Summary:** AP's in same group with same RF profile work in different channel width.	Log message is added to record the channel selection behavior in this release.
ALEISSUE-143	**Summary:** Will AP1231 supports wired AP profile.	It's expected to be supported in future AWOS release.
ALEISSUE-233	**Summary:** Captive portal page is not appearing for the android clients.	If the user visits an HTTPS site that does use HSTS and they are using the browser that supports HSTS they are not able to open the captive portal page. The workaround to get redirected to the captive portal is to visit a non-HSTS site.
ALEISSUE-333	**Summary:** Setting maxClientsPerBand to 128 in OV is causing issues on Stellar AP.	Has already been fixed in AWOS 3.0.5.

ALEISSUE-306	**Summary:** Static Channel width not configurable when Channel selection is Auto in Express mode.	Has already been fixed in AWOS 3.0.5.
ALEISSUE-290	**Summary:** Abnormal count of Interfering AP count on OV Dashboard SR# 00331509.	Will be optimized in future AWOS release.

New Features Introduced – 3.0.4.3058
There are no new features in this release.

Limitations and/or dependencies

1. LACP for AP1230 Series

Limitation: Five minutes detect window for LACP protocol when AP starts.

2. VLAN Service

Express Mode: For AP Device AP1101/AP1220/AP1251/AP1201H support VLAN maximum 14.

For AP Device AP1230 support VLAN maximum 21.

Enterprise Mode: For AP Device AP1101/AP1220/AP1230/AP1251/AP1201H support VLAN maximum 64.

Wired Port uplink VLAN: For AP Device AP1201H wired port, VLAN 1/4091/4092/4093/4094 are not available for users.

3. Guest Tunnel Service

Enterprise Mode: Support maximum 16.

4. DHCP/DNS/NAT Service

Express Mode: Support maximum 128 Source and Destination NAT Rule.

5. Certificate Management

Express Mode: Support maximum 6 certificates.

6. Static Neighbor AP

Support maximum 8 static neighbor APs

7. Allow importing of Guest Accounts via .CSV file

Express Mode: Support maximum 2000 accounts

8. MESH

Maximum 5 SSIDs can be broadcasted on the MESH AP;

Maximum 4 hops in the MESH chain;

9. By default, the IP address 1.1.1.1 is occupied for Captive Portal function

10. SNMP

Available for monitoring only

Technical Support

Alcatel-Lucent technical support is committed to resolving our customer's technical issues in a timely manner. Customers with inquiries should contact us at:

Region	Phone Number
North America	1-800-995-2696
Latin America	+1-877-919-9526
European Union	+800 00200100 (Toll Free) or +1(650)385-2193
Asia Pacific	+65 6240 8484

Email : ebg_global_supportcenter@alcatel-lucent.com

Internet: Customers with service agreements may open cases 24 hours a day via the support web page at: businessportal2.alcatel-lucent.com.

Upon opening a case, customers will receive a case number and may review, update, or escalate support cases on-line. Please specify the severity level of the issue per the definitions below. For fastest resolution, please have telnet or dial-in access, hardware configuration—module type and revision by slot, software revision, and configuration file available for each switch.

Severity 1 - Production network is down resulting in critical impact on business—no workaround available.

Severity 2 - Segment or Ring is down or intermittent loss of connectivity across network.

Severity 3 - Network performance is slow or impaired—no loss of connectivity or data.

Severity 4 Information or assistance on product feature, functionality, configuration, or installation.

Appendix A: Software Upgrade Instructions in WiFi Express Mode

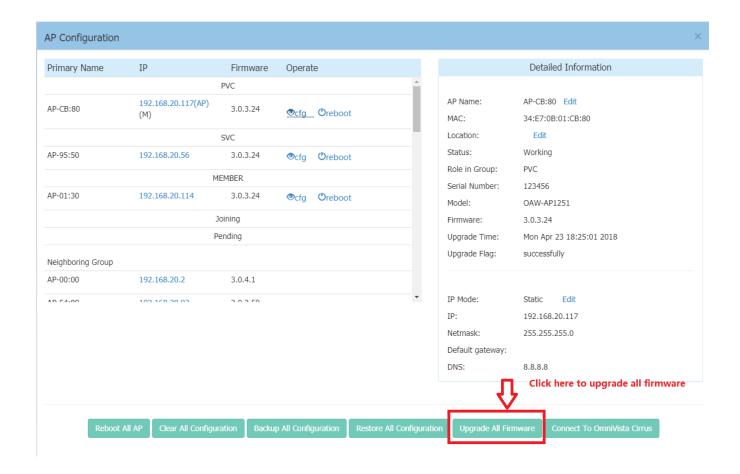1. Login to AP using Administrator account with default password 'admin'.

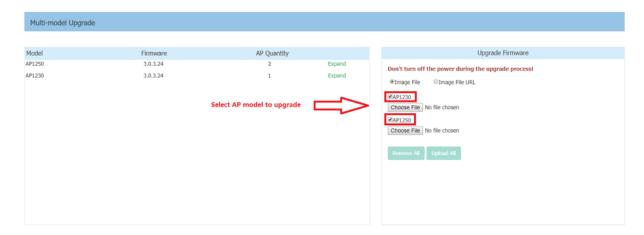

2. Click on the AP tab to open the AP Configuration page.

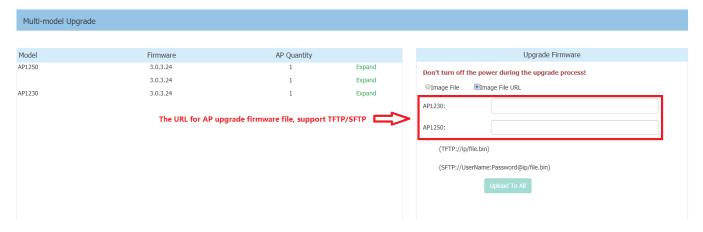3. On AP Configuration Page, click **Upgrade All Firmware.**

4. Select AP model and firmware file then click **Upload To All**, this will upgrade the firmware and reboot the AP.

Example of using an **Image File**

Example of using an **Image File URL**

Fill in the URL of the firmware file and then click **Upload To All**, this will upgrade the firmware and reboot the AP.