

Release Notes - Maintenance

OmniAccess Stellar

AP1101, AP1201, AP1221, AP1222, AP1231, AP1232,
AP1251, AP1201H, AP1201L, AP1201HL

AWOS Release 3.0.7.1038

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

Contents 2

Fixed Problem Reports Between Build 26 (GA) and Build 1038 (MR)..... 3

Open Problem Reports and Known Issues 5

New Features Introduced - 3.0.7.1038..... 6

Limitations and/or dependencies 6

Technical Support 7

Appendix A: Software Upgrade Instructions in WiFi Express Mode 8

Fixed Problem Reports Between Build 26 (GA) and Build 1038 (MR)

PR	Description
Case: 00376423 ALEISSUE-374 ALEISSUE-598	<p>Summary: Client-Traffic (WiFi) is forwarded to wrong VLAN (OV management VLAN).</p> <p>Explanation: Client broadcast traffic in user VLAN can be forwarded to management VLAN, now the AP routing process will drop those packets.</p> <p>Click for additional information</p>
Case: 00414960 ALEISSUE-484	<p>Summary: APs are rebooting in the cluster after Performance Optimization -> AirTime Fairness enabled.</p> <p>Explanation: Applying configuration when the AP is busy with some other condition handling causes abnormal AP reboot. The error is fixed by applying configuration in correct sequence.</p> <p>Click for additional information</p>
Case: 00424696 ALEISSUE-516	<p>Summary: Unable to create ACL with the network address 192.168.0.0/24.</p> <p>Explanation: It is fixed on Express UI to support the configuration.</p> <p>Click for additional information</p>
ALEISSUE-519	<p>Summary: Chile Regulation/ Follow RF profile within CE regulatory guidelines.</p> <p>Explanation: For country code Chile disable DFS channels.</p>
Case: 00395961 ALEISSUE-508	<p>Summary: AP reboot reason command output inconsistency.</p> <p>Explanation: To avoid reboot reason inconsistency, “reset_reason” command is removed, “reset_record” is the only command left in AP.</p> <p>Click for additional information</p>
Case: 00425830 ALEISSUE-523	<p>Summary: Stellar AP goes offline randomly in a cluster size more than 60 AP's.</p> <p>Explanation: The issue only happens when there are more APs(above 85) working in the same Cluster, The PVC of Cluster sends broadcast message to the Cluster member every 8 seconds to get VC's status, and all other VCs are sending response message at the same time, leading PVC to miss out some of VCs response. The issue is fixed by adding random delay when VC responds status message.</p> <p>Click for additional information</p>
Case: 00422746 ALEISSUE-524	<p>Summary: Clients are able to access the network while connecting to the captive portal without the authentication if MAC Authentication session times out.</p>

	<p>Explanation: It happens when client connects to the Captive portal SSID and even without the user being authenticated, when it roams to another AP, the client is able to access the network.</p> <p>The issue is fixed by checking during client roaming if the captive portal is unauthorized or failed, the client must be redirected to the captive portal URL and Access Role from MAC authentication.</p> <p>Click for additional information</p>
Case: 00425854 ALEISSUE-551	<p>Summary: Error when downloading configuration and AP log collection does not work.</p> <p>Explanation: The issue happens only on IE browser. It is fixed on front-end of Express GUI to make it compatible with IE browser.</p> <p>Click for additional information</p>
Case: 00431288 ALEISSUE-535	<p>Summary: AP rebooted due to watchdog.</p> <p>Explanation: AP rebooted due to out of memory condition. It is optimized by modifying system memory configuration, increase the system reserved memory, and increase the system recycling level.</p> <p>Click for additional information</p>
Case: 00432399 ALEISSUE-557	<p>Summary: AP channel changes due to radar detection.</p> <p>Explanation: According to the regulation of outdoor environment in Germany, the AP should not work from 5150MHz - 5350MHz. In conformance removing support of 5150MHz - 5350MHz, and using 5470MHz - 5725MHz frequency band only.</p> <p>Click for additional information</p>
Case: 00434205 ALEISSUE-558	<p>Summary: OV returns defaultwlanprofile after Laptop goes to sleep and comes back up again on an 802.1x SSID of Stellar AP's.</p> <p>Explanation: For clients which support OKC pmk cache, the client may not send the radius request to UPAM every time.</p> <p>In prior release of 3.0.7 MR-1, the AP does not support OKC PMK cache (ProactiveKey Caching), if the client re-associates the AP by OKC PMK cache, the client will not be able to get role from UPAM.</p> <p>Click for additional information</p>
Case: 00441463 ALEISSUE-601	<p>Summary: SR# 00441463: Clients not able to connect to the SSID.</p> <p>Explanation: The issue is that the AP switch occasionally becomes hung upon receiving invalid packets, sent by a malicious attacker.</p> <p>To address, changed the packets forwarding path for avoiding the issue with RSS.</p>

	Click for additional information
OVE-6900	<p>Summary: When the radio0 (2.4G) has voice client, the radio1 (5G) will skip the channel selection.</p> <p>Explanation: Distinguish the voice client band and correct to skip the auto channel selection on the band which voice call is happening.</p>
OVE-6903	<p>Summary: When user modify the channel width after AP upgrading to AWOS307 and AP completing first round of channel selection, it will not select the channel with new channel width configuration.</p> <p>Explanation: Once the manual channel width setting is not equal to current configuration, auto channel selection will be performed immediately.</p>

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
Case: 00424460 ALEISSUE-510	Summary: Stellar AP, U-NII-2C channels (100-144) not working in 30 dBm for Singapore country code.	<p>The maximum TX power on channel (100-144) is lower than regulation of Singapore, so far there is no workaround.</p> <p>The issue will be fixed in AWOS307-MR2.</p>
Case: 00429189 ALEISSUE-531	Summary: Stellar Express bridge feature.	<p>Wireless bridge does not forward all VLAN traffic between two APs on some products such as AP1201, AP1201H, AP1201L and AP1201HL. There is no workaround unless use other products as wireless bridge.</p> <p>The issue is happening on several specific kind of products due to the switch chipset, the fix needs to change UI also, it is planned to be fixed in 4.0.1.</p>
Case: 00431290 ALEISSUE-538	Summary: High memory noticed in AP.	It is partially fixed, the log size of DPI is limited to 2Mbytes from unlimited size, regarding to high memory cost by DPI process, it's still under investigation, the workaround is disable DPI feature for reducing memory costs.

<p>ALEISSUE-540</p>	<p>Summary: Alcatel WLAN phone 8128 disconnection when we have both AP-1101 and AP-1221.</p>	<p>The issue happens when 8128 phone roaming from one AP to another, then roaming back, the client disconnected. No workaround so far.</p> <p>The issue is planned to be fixed in AWOS307-MR2.</p>
<p>Case: 00434835 ALEISSUE-586</p>	<p>Summary: Issue with the captive portal login.</p>	<p>The issue happens access code is deleted on GUI, but clients are still able to connect corresponding SSID, the workaround is waiting for 15 minutes clients need to reconnect.</p> <p>The issue will be fixed in AWOS307-MR2.</p>
<p>Case: 00438735 ALEISSUE-595</p>	<p>Summary: GMIP no more accessible after IP update of PVC.</p>	<p>The issue happens only when PVC is changed on Express GUI to DHCP IP or Static IP, the GMIP on PVC disappeared. It can be recovered by reboot PVC.</p> <p>The issue will be fixed in AWOS307-MR2.</p>

New Features Introduced - 3.0.7.1038

N/A.

Limitations and/or dependencies

N/A.

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.

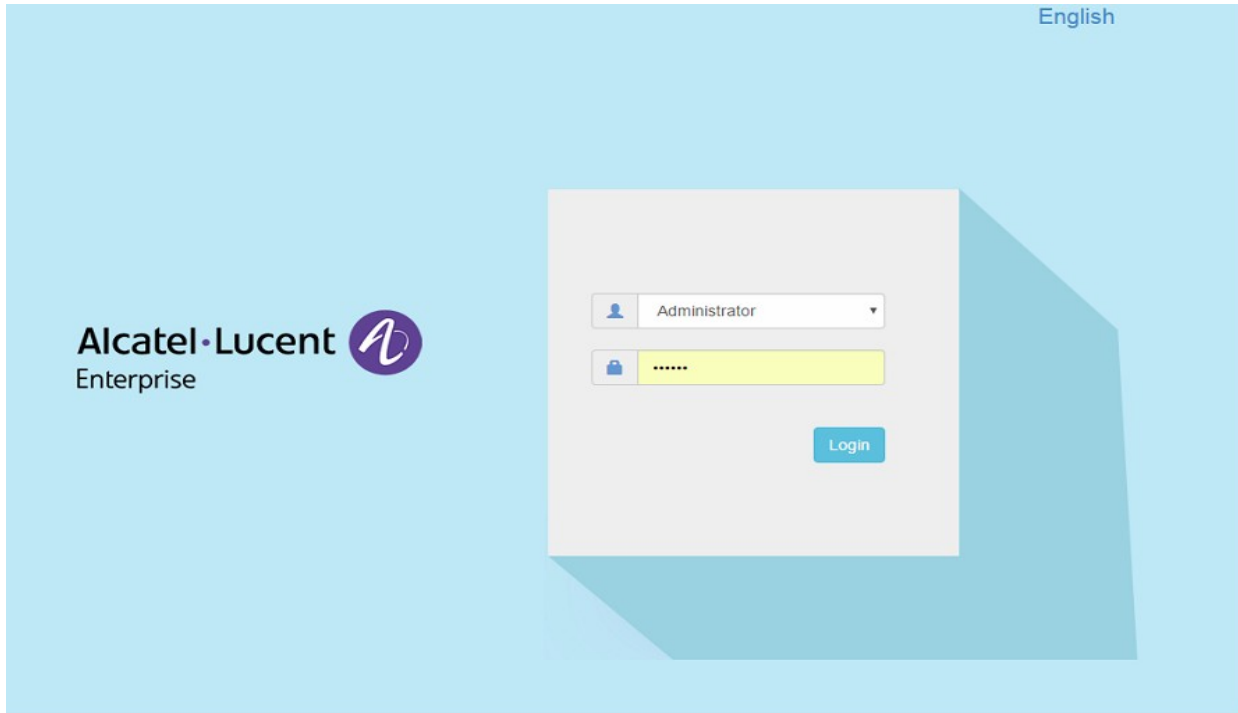
Severity 3 - Network performance is slow or impaired—no loss of connectivity or data.

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

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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.

Alcatel-Lucent Enterprise AP Group : AP-Group - Administrator | 30s | English

WLAN Name	Status	Clients
weekday	on	0
weekend	on	0

Primary Name	Status	Clients
AP-1A:10	Working	0
AP-DD:50	Working	0
AP-42:20	Working	0

User Name	IP	MAC	WLAN	Auth
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System Wireless Access

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

The screenshot shows the 'AP Configuration' interface. On the left is a table with columns: Primary Name, IP, Firmware, and Operate. The table lists several APs under different groups: PVC, SVC, MEMBER, and Neighboring Group. On the right is a 'Detailed Information' panel for AP-1A:10, showing fields like AP Name, MAC, Location, Status, Role in Group, Serial Number, Model, Firmware, Upgrade Time, Upgrade Flag, IP Mode, IP, Netmask, Default gateway, DNS, and AP Mode. At the bottom of the interface is a row of buttons: Reboot All AP, Clear All Configuration, Backup All Configuration, Restore All Configuration, Upgrade All Firmware, Connect To Cloud, and Convert To Enterprise. A red arrow points to the 'Upgrade All Firmware' button with the text 'Click here to upgrade'.

Primary Name	IP	Firmware	Operate
PVC			
AP-1A:10	192.168.20.119(AP) (M)	3.0.5.23	
SVC			
AP-42:20	192.168.20.111	3.0.5.27	
MEMBER			
AP-DD:50	192.168.20.128	3.0.5.6	
Joining			
Pending			
Neighboring Group			
AP-32:30	192.168.20.237	3.0.4.2052	

Detailed Information for AP-1A:10:

- AP Name: AP-1A:10 [Edit](#)
- MAC: 34:E7:0B:00:1A:10
- Location: [Edit](#)
- Status: Working
- Role in Group: PVC
- Serial Number: WKS163300071
- Model: OAW-AP1251
- Firmware: 3.0.5.23
- Upgrade Time: Sat Nov 24 08:25:27 2018
- Upgrade Flag: successfully
- IP Mode: DHCP [Edit](#)
- IP: 192.168.20.119
- Netmask: 255.255.254.0
- Default gateway: 192.168.21.254
- DNS: 219.141.136.10
- AP Mode: Express [Edit](#)

Buttons: [Reboot All AP](#) [Clear All Configuration](#) [Backup All Configuration](#) [Restore All Configuration](#) [Upgrade All Firmware](#) [Connect To Cloud](#) [Convert To Enterprise](#)

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

Example of using an **Image File**

Multi-model Upgrade

Model	Firmware	AP Quantity	
AP1250	3.0.5.23	1	Expand
AP1101	3.0.5.6	1	Expand
AP1220	3.0.5.27	1	Expand

Upgrade Firmware

Don't turn off the power during the upgrade process.

Image File Image File URL

AP1101 **1. Select corresponding AP model and upload right image**
 No file chosen

AP1220
 No file chosen

AP1250
 No file chosen

2. Then upload all here

Example of using an Image File URL

Multi-model Upgrade

Model	Firmware	AP Quantity	
AP1250	3.0.3.24	1	Expand
	3.0.3.24	1	Expand
AP1230	3.0.3.24	1	Expand

Upgrade Firmware

Don't turn off the power during the upgrade process!

Image File Image File URL

AP1230:

AP1250:

(TFTP://ip/file.bin)

(SFTP://UserName:Password@ip/file.bin)

The URL for AP upgrade firmware file, support TFTP/SFTP →

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