

Release Notes

OmniAccess Stellar AP

AWOS Release 4.0.5 - MR1 Release

These release notes accompany the OmniAccess Stellar Operating System (AWOS) Release 4.0.5 software for the Stellar APs. This document provides important information on individual software and hardware features. Since much of the information in the release notes is not included in the hardware and software user manuals, it is important to read all sections of this document before installing new hardware or loading new software.

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Related Documentation

The release notes should be used in conjunction with the associated manuals as listed below.

User manuals can be downloaded at: <https://myportal.al-enterprise.com/>.

Stellar AP Quick Start Guide

The Quick Start Guide assists you in quickly connecting to and configuring the Stellar AP.

Stellar AP Installation Guide

Provides technical specifications and installation procedures for the Stellar AP.

Stellar AP Configuration Guide

Includes procedures for managing and configuring all aspects of the Stellar AP using the built-in web interface.

Technical Tips, Field Notices, Upgrade Instructions

Contracted customers can visit our customer service website at: <https://myportal.al-enterprise.com/>.

Hardware Supported

- AP1101, AP1201, AP1220 series, AP1230 series, AP1251, AP1251-RW-B, AP1261-RW-B, AP1201H, AP1201L, AP1201HL, AP1320 series, AP1360 series, AP1201BG, AP1301, AP1301H, AP1311, AP1331, AP1351, AP1451.

Fixed Problem Reports Between Build 4.0.5.23 and 4.0.5.1025

| PR | Description |
|---|---|
| <p>Case: 00639594 ALEISSUE-1384</p> | <p>Summary: Broadcast Filter All not working properly, as a consequence many broadcast “Who has” requests are generated by AP impacting battery lifetime and network link.</p> <p>Click for additional information</p> |
| <p>Case: 00647231 ALEISSUE-1383</p> | <p>Summary: Wrong Access Role Profile applied after roaming when captive portal (authentication Open) is used.</p> <p>Explanation: Because the conditions were not reached, the context (ARP / Client MAC Address) was not exchanged between APs during roaming.</p> <p>Click for additional information</p> |
| <p>Case: N/A ALEISSUE-1375</p> | <p>Summary: APs generating ACI (Adjacent Channel Interference) when selecting wrong channels in the 2.4Ghz frequency.</p> <p>Explanation: As of AWOS 4.0.5 MR-1, the conditions that need to be met when moving from manual adjustment to automatic channel selection is improved.</p> |
| <p>Case: 00645897 ALEISSUE-1402</p> | <p>Summary: Some Wi-Fi stations are assigned VLAN 0, making them get IP address from AP management subnet when using VLAN pooling.</p> <p>Explanation: The clients roaming from one band to another in the same AP, the AP will delete the clients roaming context information after it disassociated one band, and this happened before connecting another band. AP can't find the clients original ARP and apply a wrong ARP.</p> <p>Click for additional information</p> |
| <p>Case: 00647242 ALEISSUE-1410</p> | <p>Summary: Syslog logs lldp message , the AP MAC address omits the zero.</p> <p>Explanation: It is an issue to process display the clients MAC address.</p> <p>Click for additional information</p> |

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| Case: 00642426 ALEISSUE-1413 | Summary: Add broadcast and multicast traffic limitation via UI for Stellar AP model AP1251. |
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Open/Known Problems

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-1265 ALEISSUE-1382 | Poor Wifi connection when a high channel utilization is noticed on Stellar AP 802.11ax models (lot of Tx retries observed on OV 2500 -> WLAN -> Wireless Client List -> List of Clients on All Aps). | Disable the High Efficiency at the RF Profile level. |
| ALEISSUE-990 | Deauthentication reason 34(Disassociated because excessive number of frames need to be acknowledged but are not acknowledged due to AP transmissions and/or poor channel conditions). | There is no known workaround at this time. |
| WCF | WCF feature is not supported when WLAN Client is running behind an HTTP Proxy. | There is no known workaround at this time. |
| WCF | WCF feature is not supported when WLAN Client is using mobile applications, there are no restrictions (packets are not dropped by AP, no redirection to Restricted Web page). | There is no known workaround at this time. |
| WCF | WCF feature is not supported when WLAN Client is running IPv6. | There is no known workaround at this time. |
| Management VLAN | When the management VLAN is enabled, setting the static IP may fail. | The static IP must be set first, and then enable the management VLAN. |
| DPI | [reflexive] configure link tracking. DPI_DROP does not take effect. | After modifying the reflexive, the client needs to go online and offline again, which can return to normal. |
| AP stateful ipv6 address | The ipv6 address of the dual-stack AP, AP is a stateful address. After configuring the open type of WLAN, to associate the WLAN, with the wireless network card of win 7 11n set to single-stack V6, check the network on-off condition of the V6 address. | When you manually configure a V6 address of the same network segment on the client as the gateway address, you can communicate with the same network address. |
| DPI FTP policy | Create one policy list binding and two policies, results that the user cannot access the ftp | There is no known workaround at this time. |
| ALEISSUE-1327 | WCF not working very frequently on Mobile devices using browser. | There is no known workaround at this time. |

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| ALEISSUE-1339 | AP1101 can't forward data at 5G when channel utilization is high. | There is no known workaround at this time. |
| ALEISSUE-1308 | Interface VLAN configuration lost when WLAN access timer is configured. | Will be fixed on AWOS 4.0.6. |
| ALEISSUE-1367 | Unable to push network in local breakout if it includes OV2500 IP address. | Will be fixed on AWOS 4.0.5 MR2. |
| DHCP Server | DHCP Server is not available on AP1231 model. | Will be fixed on AWOS 4.0.6. |
| RAP | Clients may not be access to network when switching desired AP from Group of RAP to a regular AP Group on 11AX platform devices. | Will be fixed on AWOS 4.0.6. |

Limitations and/or Dependencies

| Feature | AP Model | Limitations and/or Dependencies |
|---------------------|-------------------------------|---|
| WCF | All | <ol style="list-style-type: none"> 1. WCF does not support http over proxy scenario. 2. WCF does not support blocking mobile applications access. Client's packets are not restricted (packet not dropped by AP, no redirection to Restricted Web Page) 3. WCF does not support RAP scenario. 4. When using Iphone roaming between Aps, reject page can't be redirected when using Safari, but it works ok for other browser such as Chrome |
| HTTPs CP over proxy | All | For iOS does not support to configure URL to bypass the proxy, this function does not work on iOS devices. |
| AP 802.1x client | All | Wireless clients can't connect to internet on untagged VLAN with AOS switch due to AOS switch treats all untagged devices as 802.1x client. |
| Wired Port | AP1201HL | <ol style="list-style-type: none"> 1. AP1201HL switches to a Group with downlink configuration, wired client cannot access it. 2. AP1201HL enables trust tag and option 82, wired client may not obtain IP address |
| DRM | All | In some cases, when the channel utilization reaches more than 90%, the channel does not switch automatically, which seriously affects the user experience. |
| IGMP Snooping | All Stellar Wi-Fi 6 AP Models | For 11AX devices, if there is no multicast querier in the environment, the conversion from multicast to unicast may fail. We recommend that the switch of IGMP Snooping feature be turned on by default. |
| Mesh | All | <p>Multicast to unicast is not supported in Mesh mode.</p> <p>Because root AP to non-root AP does not implement the function of multicast to unicast in mesh mode, even if the client on non-root AP implements multicast to unicast, the efficiency is still not high.</p> |
| DPI | AP1201/ AP1220 | When DPI function is enabled, it is recommended to have an initial free memory size of about 30MB after AP booting up for system stable running. If the booting up free |

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| | series/ AP1251 | memory size is far less than 30MB, suggest removing unnecessary WLAN/VLAN/Policy/DPI rule on AP1201/AP1220/AP1251. |
| Bypass VLAN | AP1201H/ AP1201HL | If the bypass VLAN function is enabled, setting VLAN id A, and setting the management VLAN to tag VLAN id is also A, which will cause the AP itself to be inaccessible and affect the operation of AP. Therefore, there is a restriction here that the tag for managing VLAN cannot be the same as bypass. |
| mDNS | AP1201H/ AP1201HL /AP1261- RW-B | AP1201H/1201HL/AP1261-RW-B Downlink Terminal does not support mDNS message forwarding. |
| Show device name | All | When some clients connect to wlan, there is no option12 field in the dhcp message, so its hostname cannot be displayed. |
| Management VLAN Static IP LACP | AP1351/A P1451 | When configure LACP + Management VLAN + Static IP for AP1351, the network will not be reachable after AP reboot if LACP aggregated link is formed, the workaround of this issue should be disable LACP on switch side. |
| Link aggregation | All | Link aggregation with management VLANs has a certain probability of failure. |
| Link aggregation | AP1351 | There is very low probability on AP1351 that ethernet PHY fail to receive messages in the scenario of link aggregation. |
| ALEISSUE-1294 | All | This improvement might cause some lower version of SSH clients cannot connect to Stellar AP running this new build, upgrade SSH client version will avoid this problem. |
| ALEISSUE-1358 | ALL | Double authentication is supported only when the returned role is the same for each authentication. |
| ALEISSUE-1343 | AP1201H(L) | VLAN 4090-4094 is not allowed to be configured. |
| 11K | APs without scan radio | To make sure 11k function work as expected configure the AP background scanning on "Working Channel and Non-working Channel". |
| DSCP | AP1451 | Will be fixed on AWOS 4.0.6. |
| Enhanced Open WLAN | All | Mobile devices with Apple iOS do not support OWE, mobile devices with Android 10 or later support OWE, computers with Windows 10 version 2004 or later and a wireless adapter that supports OWE. |
| Client Isolation Whitelist | All | Client A connects to WLAN1 with ARP1, and Client B connects to WLAN2 with ARP2, in this case if Client A and B needs to communicate to each other, both of the two clients need to be added into whitelist. Either one of clients add into whitelist can't ensure communication between these two clients. |
| WPA Enterprise WLAN | All | Latest version of Windows 11 22h2 cannot connect to WPA Enterprise WLAN due to TLS version upgrade to 1.3. For solving the issue, please refer to link below: |

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| | | https://learn.microsoft.com/en-us/answers/questions/1018468/unable-to-connect-to-network-after-windows-11-22h2.html |
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New Software Feature Descriptions

There is no new feature in this release.

Technical Support

Alcatel-Lucent Enterprise 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 |
| Europe Union | +800 00200100 (Toll Free) or +1(650)385-2193 |
| Asia Pacific | +65 6240 8484 |

Email: ebg_global_supportcenter@al-enterprise.com

Internet: Customers with Alcatel-Lucent service agreements may open cases 24 hours a day via Alcatel-Lucent’s support web page at: <https://myportal.al-enterprise.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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