

Release Notes – Firmware v3.1.3.1608

1. Overview

This document summarizes the major updates for the following AP models.

AP Product Series	H/W version	Firmware Update
AX500	All	From v3.1.3.1317 to v3.1.3.1608
IX500	All	From v3.1.3.1317 to v3.1.3.1608
CX200	All	From v3.1.3.1402 to v3.1.3.1608

2. What's New in v3.1.3.1608

2.1. New Features and Enhancements

Item	Product	Description
1	All APs	Support hotchange mechanism for WLAN on/off when the WLAN scheduler is enabled for a thin-AP (i.e. the one connected with AltaiCare/AltaiGate). With the hotchange support, the AP does not need to have full reload of the wireless module and therefore provides a much faster way to turn on/off the WLAN according to the scheduler.
2	All APs	Remove the step of manual reboot required for the new SSH settings to take effect.
3	All APs	Remove the restriction that requires a computer sitting on the management VLAN to reset a target AP via the button-less reset tool. This enhancement allows direct cable connection between the target AP and the computer to perform factory reset even though the AP is VLAN-enabled.
4	All APs	Enhance the button-less reset mechanism so as to have a more secure reset process, and to optimize system resource usage.

2.2. Changes

Item	Product	Description
1	All APs	Remove Ch132 and Ch136 from the channel list when the wireless mode is configured to 802.11ac HT80. This change is made because some CPEs and clients does not support such configuration for connection.

2.3. Bug Fixes

Item	Product	Description
1	All APs	Reduce the amount of log messages related to an internal function "Uci_Get_Str", which might flood the log file: /var/log/UCI_FUN in certain conditions.
2	IX500	Fix the conditions where the LED indicator does not behave as expected when performing AP factory reset via the reset button.
3	All APs	Fix the status display issue for an SSID which is currently disabled by the WLAN scheduler but displayed as "enabled" in the WLAN table. (Path: Status > Radio0(2.4G)/Radio1(5G) > Association List). The SSID entry should be removed from the WLAN table when disabled.
4	All APs	Fix the issue that allows the WPA-PSK/WPA2-PSK passphrase left blank in the quick WLAN configuration table after a click on "Submit" button.
5	All APs	Fix the display issue that shows a mismatch of the WAN/LAN interface assignment between the overview status and its actual configuration.
6	All APs	Fix the connection issue of a long-distance AP-STA bridge in which the distance-related parameters were reverted back to default values when the AP is running on auto channel mode. In this case the data rate would drop to a low level, e.g. 6Mbps and therefore poor performance resulted.
7	All APs	Fix the issue that the 2G/5G channel usage in Rx% always stays at 0, which does not reflect its actual value.
8	All APs	Fix the panic issue due to network loop.

9	All APs	Fix the condition where the button-less reset fails when using a computer to connect to a LAN interface of target AP which is running on gateway mode, and then perform factory reset with the reset tool.
10	All APs	Fix random panic reboot due to AMPDU-related workaround which is no longer valid for 802.11ac wave 2 products.
11	All APs	Fix random panic reboot due to memory leak issues.
12	All APs	Fix the conditions where random panic reboot may occur when the channel is busy and highly utilized by surrounding WiFi devices.
13	All APs	Fix the NTP time synchronization issue which occurs when a manually-configured time setting is changed to NTP-enabled setting.
14	IX500	Fix the LED color issue in which the color codes for 2.4G radio activities and 5G radio activities are reversed.
15	All APs	Fix the WEP key issue which allows a string of 16 ASCII characters as input. The valid and permitted input for ASCII type of key should be of either 5 or 13 characters long.