



HiveOS 10.0r1 Release Notes

Release date: September 18, 2018

Release versions: HiveOS 10.0r1

Hardware platforms supported: AP630, AP650, and AP650X

Management platforms supported: HiveManager Cloud 12.8.0.74 and later

New Features and Enhancements

This release introduces the following new features and enhancements:

Support for Wi-Fi 802.11ax features on AP630, AP650, AP650X: HiveOS 10.0r1 introduces 802.11ax support on the new AP600 series access points. Some of the new capabilities offered by 802.11ax are listed below.

802.11ax | Orthogonal Frequency Division Multiple Access (OFDMA): OFDMA combines the benefits of OFDM with the flexibility of multiplexing to provide simultaneous access to multiple users. OFDMA is a key technology feature of the 802.11ax standard.

802.11ax | MU-MIMO: 802.11ax defines an enhanced version of Multi-user MIMO (MU-MIMO) by allowing uplink multi-user transmissions as well as downlink transmissions. By contrast, 802.11ac defined only downlink multi-user transmissions.

802.11ax | Spatial Reuse: Spatial reuse uses BSS coloring to mark and identify different basic service sets and avoid co-channel interference from overlapping basic service sets during media contention.

2.5 Gbps Ethernet port: This release of HiveOS features support for the 2.5 Gbps (Eth0) port available on AP630, AP650, and AP650X access points.

Other Enhancements: HiveOS 10.0r1 features improvements such as 160 MHz channels widths and support for dual auto-detecting PoE Ethernet ports.

Known and Addressed Issues

The following tables list known and addressed issues in HiveOS 10.0.

Known Issues in HiveOS 10.0r1

HOS-14235	<p>Devices running HiveOS 10.0r1 transmit at a power level that is too low when configured to operation in the EU regulatory domain and operating in the UNII-III band.</p> <p>Workaround: The UNII-III band has been disabled in HiveOS 10.0r1 on devices in the EU domain to prevent issues due to accidental reliance on this band.</p>
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HOS-14139	Mesh links established between devices running HiveOS 10.0r1 are sometimes unstable when using an 802.11ax radio profile. Workaround: Use a pre-802.11ax radio profile on devices that use mesh links.
HOS-13891	Some client devices are unable to scan for 802.11ax networks that use devices running HiveOS 10.0r1.

Addressed Issues in HiveOS 10.0r1

There are no addressed issues in this release