Aerohive
NETWORKS

HiveOS 6.2r1d Release Notes

Release Date: August 3, 2015

Release Version: 6.2r1d

HiveOS Platforms Supported: AP110 and AP120

These are the release notes for HiveOS 6.2r1d software. Known issues are described in "Known Issues" on page 3 and addressed issues are described in "Addressed Issues" on page 3.

Changes in the 6.2r1d Release

This release addresses several issues. See "Addressed Issues" on page 3.

Status LED Behavior

Aerohive access points include LEDs that can be used to assist installation, monitoring, and troubleshooting. Prior to this release, the default behavior of the AP130 and AP230 LED was to be on and illuminated at all times during normal AP operation. The new behavior of the AP130 and AP230 LED is to exhibit a long-period blink: The LED illuminates for 4 seconds, and then remains off for about one minute. There are no other changes to the operation of the access point.

This change is in response to a manufacturing defect reported by some customers that might cause the LEDs on the access point to become increasingly dim over time. This defect is largely cosmetic and does not alter or cause any loss of functionality to the product. That is, regardless of the condition of the LED over time, the performance and connectivity provided by your Aerohive network remains unchanged.

Customers who have reported this issue report a significant visual difference between the brightness of the LEDs on their units after nine to twelve months of continuous operation as compared to when the units were originally installed. This issue only exists in AP130s and AP230s, and, to date, has only been reported by AP230 customers, although not all units have been affected. The change in LED behavior allows the LED to continue to provide a visual indicator of the AP's health for those customers who use this feature, while significantly extending the life expectancy of the LEDs, in many cases to beyond the expected service life of the access point.

What You Need to Do

Aerohive recommends that you take steps to extend the life of the LEDs on your access points. Even if you do not typically rely on the LEDs for ongoing operations, taking action now will ensure that the LEDs are available to you if you need them in the future. This requires you to install an updated version of HiveOS. See "Updating Your Devices" on page 2 for instructions on how to update your devices.

By updating HiveOS by September 1, 2015, you ensure the continued, full protection of your Aerohive warranty. For further protection, customers who do not typically use the LEDs as part of ongoing operations can turn the LEDs off completely, then turn them on when needed for troubleshooting.

Updating Your Devices

HiveManager Online

To update your AP230s to HiveOS 6.2r1d, log in to HiveManager Online, and then do the following:

1. Navigate to **Monitor > Devices > Access Points > Aerohive APs**, and the select the AP230s you want to update, and then click **Update > Advanced > Upload and Activate HiveOS Firmware**.
2. Choose the 6.1r5b image from the HiveOS Image drop-down list, and then click **Upload.**

HiveManager NG

To update your AP230s to HiveOS 6.2r1d, log in to HiveManager NG, and then do the following:

1. Navigate to **Monitor > Devices**, select the AP230s you want to update, and then click **Update Devices**.
2. In the Device Update dialog, select **Upgrade HiveOS** and **Upgrade even if the versions are the same**, choose your preferred activation parameter, and then click **Upload.**

HiveManager Appliances and Virtual Appliances

To update your AP230s to HiveOS 6.2r1d, log in to your HiveManager appliance running HiveManager 6.2r1 or later, and then do the following:

1. Navigate to **Monitor > Devices > Access Points > Aerohive APs**, and the select the AP230s you want to update.
2. Click **Update > Advanced > Upload and Activate HiveOS Firmware**.
3. Choose the 6.2r1d image from the HiveOS Image drop-down list, and then click **Upload**.

    If the image you want does not appear in the drop-down list, you can obtain the image from the HiveOS Update server. To do this, click **Add/Remove**, choose **HiveOS latest images from update server**, select the image you want from the list, and then click **Upload**. HiveManager transfers the requested HiveOS image to your local appliance, after which time it is available in the HiveOS Image drop-down list. When the transfer is complete, return to step 2 above.

Documentation

Product documentation consists of the *Aerohive New Features Guide*, online Help, and Help for HiveOS CLI commands. Both the *Aerohive New Features Guide* and the online Help are available by selecting "Docs and Videos" link at the bottom of the page. To use the CLI Help, enter `"keyword-SPACE-?"` for example: `qos ?` In addition, there are online CLI reference guides that provide the syntax and explanations for every command in the CLI. They also include information on accessing the CLI through console, Telnet, and SSH connections, tips on using the CLI, and some keyboard shortcuts.

Help System for Mobile Devices

Aerohive provides a way for you to view to our online Help system on a mobile device. The Aerohive online Help is designed to be responsive, so in cases where viewing the Help system in a browser is inconvenient or impossible, you can view the Help content on your smart phone or tablet.

Known Issues

The following is a list of the known issues in the HiveOS 6.2r1d release.

33835	Some DHCP servers, such as Windows 2003, are slow to respond or do not respond to the DHCP discover message under certain conditions. As a result, Bonjour Gateway might not discover services on some VLANs or some services are discovered and then disappear at random.
33825	Not all DNS traffic is blocked by the Aerohive Layer 7 firewall. With Layer 7 firewalls, two packets (one incoming and one outgoing) are required to identify and block DNS traffic. For short IP sessions of one or two packets, it can appear that DNS traffic is not being blocked. The Layer 3 firewall, operating on source and destination ports in the packets, can block all DNS traffic.
33630	Client devices using the Intel 7260 wireless card have difficulties connecting to the Aerohive WLAN when Radio Resource Management (802.11k) is enabled.
33108	AP multicast clients cannot access the Internet when using IP multicast traffic.
33084	For Application Visibility and Control, HiveOS cannot recognize Microsoft Lync Media application traffic running on Windows 7. Also, it cannot recognize Microsoft Lync IM, Presence, or login traffic as Lync Control applications on iOS devices.
32904	Within the Aerohive Application Visibility and Control feature, you cannot block Microsoft Lync Control, Lync Share, and Lync Media applications after a user logs into your network. Workaround: Block Lync Control, Lync Share, and Lync Media applications before users log in.

Addressed Issues

The following issues were addressed in HiveOS 6.2r1c.

CFD-1041 CFD-1036	AP120 devices were experiencing frequent reboots after upgrading from 6.1r6.
CFD-919	After upgrading AP120 devices to 6.2r1, SSIDs configured to be hidden were broadcast as visible.
CFD-877 CFD-776	AP120 devices stopped responding for approximately 10 minutes, and then automatically recovered.

The following issues were addressed in HiveOS 6.2r1b.

CVE-2014-3566	HiveOS vulnerability to CVE-2014-3566 (aka "POODLE") has been addressed in this release. For more details, see the Aerohive POODLE security bulletin.

The following issues were addressed in HiveOS 6.2r1a.

CFD-524 CFD-632	Multicast traffic on the AP230 was slower due to a Wi-Fi driver issue, resulting in lower system throughput when multicast traffic was present.
CFD-361	An issue occurred when upgrading the BR100 to HiveOS version 6.1r6. It was possible to cause the device to become unresponsive.
CFD-353	After HiveOS firmware was upgraded in networks where Cisco Model 7925G phones were deployed, APs did not connect to the Cisco phones. This issue has been resolved.
32257	For very short sessions when an AP230 was using wide-channel mode (80-MHz channel width), its upstream and downstream throughput was about 20% lower than Aerohive expected. This issue was addressed.
32168	The default QoS rate control and queuing policies might have limited the Layer 2 VPN encryption throughput rate on the VPN Gateway.
31730	The Layer 2 bridge access throughput of the AP230 was less than 500 Mbps.