

HiveOS 6.5r1b Release Notes

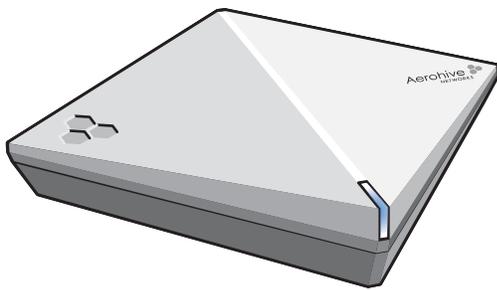
Release date: August 3, 2015

Release versions: HiveOS 6.5r1b

HiveOS 6.5r1 platform introduced: AP130

These are the release notes for HiveOS 6.5r1b firmware. Known issues are described in "[Known Issues](#)" on [page 3](#) and "[Addressed Issues](#)" on [page 3](#) near the end of this document.

New Hardware in the 6.5r1 Release



This release introduces the AP130 wireless access point. The AP130 provides dual concurrent 2.4 GHz 802.11b/g/n and 5 GHz 802.11a/n/ac radios for 2x2:2 MIMO (multiple input multiple output) antennas, with data rates up to 867 Mbps in the 5-GHz band. These devices have built-in mounting hardware that allows you to install them on a ceiling track or a wall.

The AP130 supports complete application visibility and control functionality, including reporting, stateful firewall, and powerful Aerohive Quality of Service (QoS) to prioritize traffic and data rate limits for individual users, groups of

users, and devices. Location and presence services provide detailed information about clients and rogue devices. The device is small, lightweight, and easy to deploy.

Changes in the 6.5r1b 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 next section below 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 AP130s to HiveOS 6.5r1b, log in to HiveManager Online, and then do the following:

1. Navigate to **Monitor > Devices > Access Points > Aerohive APs**, and then select the AP130s you want to update, and then click **Update > Advanced > Upload and Activate HiveOS Firmware**.
2. Choose the 6.5r1b image from the HiveOS Image drop-down list, and then click **Upload**.

HiveManager NG

To update your AP130s to HiveOS 6.5r1b, log in to HiveManager NG, and then do the following:

1. Navigate to **Monitor > Devices**, select the AP130s 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 AP130s to HiveOS 6.5r1b, log in to your HiveManager appliance running HiveManager 6.5r1 or later, and then do the following:

1. Navigate to **Monitor > Devices > Access Points > Aerohive APs**, and then select the AP130s you want to update.
2. Click **Update > Advanced > Upload and Activate HiveOS Firmware**.
3. Choose the 6.5r1b 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.

Known Issues

The following are known issues in the HiveOS and HiveManager 6.5r1 releases.

Known Issues in HiveOS 6.5r1b

35576	Energy and channel usage rates are high for the AP130 when spectrum analysis is enabled.
35609	Although a watchdog assertion may be generated during bootup, this does not affect the operation of the device.
35627	When running a remote sniffer under a heavy traffic load, multiple abnormal logs are generated.

Addressed Issues

The following issues were addressed in the HiveOS and HiveManager 6.5r1 releases.

Addressed Issues in HiveOS 6.5r1a

HOS-185	If the client device operating system was unknown to the Aerohive device, the Aerohive device was unable to assign an IP address to the client when reassigning it to the prescribed user profile.
35787	Client devices did not appear properly on floor plans within HiveManager with location services enabled.