



Software Release Bulletin

Software Released: Platforms and Management Version

- HotView Pro Management release- 10.6.0.0
- 7000 mesh firmware- 7.6.0.0
- Interoperability 6000 mesh firmware- 4.11.0.0

Effective Date: November 16, 2010

Hardware Compatibility: This software is for use with 6000 (6000-900 nodes *NOT INCLUDED*) and 7000 series FireTide mesh nodes.

New Features

1. "Enable All Multicast"
 - (a) Enabling this feature will result in all Multicast packets (all MC IP addresses) entering the mesh to be transmitted to all Hotports specified in the receive list. This allows users to quickly configure Hotports that will act as receivers for all Multicast packets entering the mesh.
2. Enhancements to Reserved Multicast Switching
 - (a) These are enhancements to the "Reserved Multicast MAC Address Switching" feature in Advanced Wireless Features. The new functionality is as follows:
 - (i) The user has four choices in terms of how to treat reserved Multicast packets such as STP BPDUs entering the mesh.
 1. Block reserved MC packets from entering the mesh (deselect the feature).
 2. Transmit reserved MC packets on all links (Ethernet Directs, GW groups and wireless links).
 3. Transmit reserved MC packets ONLY on Ethernet links (Ethernet Directs and GW Groups). Block the packets on wireless links.
 4. Transmit reserved MC packets ONLY on wireless links. Block the packets on the Ethernet Directs and GW groups.

Fixes

1. For 6000 product - Upgrade problem from 4.6 or 4.7 to 4.10 if "Update Mobile Node Scan List" was updated.
2. HotView 10.5.0.0 showed mismatched HotPort name for 7011 product.
3. 7000 product - Application of customer configuration from non-interoperability firmware to 7022 HotPorts running version 7.5.2.0/ HotView NMS - 10.5.3.0 resulted in "configuration change" errors.
4. Scenario: PC connected to a 7000 series mesh node via an Ethernet connection and attempting to ping cameras or other Ethernet devices that are attached to other mesh nodes. All mesh nodes are running firmware version 7.5.0.0 or 7.5.2.0.

If the first nibble of a PC's MAC Address contained an odd value, like a **5** in MAC Address 54:ab:00... or **b** in MAC Address b3:a2:13..., then pings from this PC to any device on the network would time out. Also, pings to a device with an odd nibble would time out as well.

Fix to this problem is found in firmware version 7.6.0.0.

Changes in 10.6

1. The following changes have been made 4.9 GHz spectrum:
 - a) In the 5 MHz Channel, the central frequencies have been changed.
 - b) In the 10MHz and 20MHz Channel, additional (overlapping) channels have been provided by adding more central frequencies.

This is aimed at providing flexibility to the user in terms of spectrum usage. Important to note that upgrading your firmware will not change your current Channels, even if these Channels are no longer supported.

Upgrade Information

The following versions of firmware may be upgraded to the latest release levels:
4.6.28.0, 4.10.0.0 may be directly upgraded to 4.11.0.0 and
7.4.0.0, 7.5.0.0 may be directly upgraded to 7.6.0.0.

Tip: Use your current NMS version to upgrade to the latest firmware. Once upgraded, you may use release 10.6.0.0.

Note1: If a 7000 Hotport running 7.5.0.0 (or earlier version) is connected via Ethernet Direct to a 7000 Hotport running 7.6.0.0 (eg. due to a partial upgrade of the mesh), then the Ethernet Direct will remain down in case "Interoperability flag" is disabled in Hotview. Workaround is to temporarily enable the Interop flag before doing the upgrade of the 7000 Hotports from 7.5.0.0 (or earlier version) to 7.6.0.0, in case there are Ethernet Directs between two 7000 Hotports.

Note2: If your firmware release is older than 4.6.28.0 on your 6000 nodes or older than 7.4.0.0 on your 7000 nodes, please contact Firetide Technical Support at support@firetide.com or via phone (877) FIRETIDE, option 2 or (408) 355-7271.