KV1722A, KV1727A Modules
SUN Server Access Module
Firmware Version 4.3.0.0
Release Notes
May 1, 2007

This document outlines:
1. SAM-VSN and SAMDM-VSN firmware version and compatibility
2. How to upgrade SAM-VSN and SAMDM-VSN modules
3. Enhancements
4. Fixes

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SAM-VSN and SAMDM-VSN Firmware Version Information and Compatibility
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Version 4.3.0.0 of SAM-VSN and SAMDM-VSN firmware is intended to be used with the following OCTET® firmware/software versions:

- OctoWare® Java-based system administration tool   revision 3.4.0.0
- KV170x switch   revision 3.6.0.0
- KV1710 user station   revision 4.1.3.2
- KV1711/KV1712 user stations   revision 4.3.1.9
- KV1711-R2 / KV1712-R2 / KV1713 user stations   revision 4.5.0.0

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How to Upgrade SAM-VSN and SAMDM-VSN Modules
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To upgrade the firmware in the SAM-VSN/SAMDM-VSN module, you will need to copy the file **sammd8usb.bbx** to a machine running OctoWare® software rev 3.4.0.0. Then, follow the instructions in OctoWare software for downloading the new SAM module firmware.

1. Download the file "sammd8usb.bbx" to a drive that is accessible by the machine running OctoWare software.
2. Using the OctoWare software, download the file to all the SAM modules that are to be upgraded. To do this, select Admin Tools - Software Upgrade, select the file "sammd8usb.bbx" and the names of the SAM modules to be upgraded, and then click "Begin Upgrade".

Go to ftp.downloads.black-box.de for information on getting the latest firmware versions for all OCTET devices.

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Enhancements
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This release of firmware contains the following enhancement since 4.2.0.8:

1. Video resolutions of 1920x1440 @ 60Hz and 1920x1200 @ 60Hz are now supported at distances of up to 100ft (30m) when also using the latest firmware (revision 4.5.0.0) on the KV1712-R2 or KV1713 user station.
2. Video resolution of 1600x1200 up to 75Hz is now supported at distances of up to 200ft (60m) when also using the latest firmware (revision 4.5.0.0) on the KV1712-R2 or KV1713 user station.

3. Support for a number of widescreen video resolutions with SAM DDC EDID table as follows:
   1. VESA 848 x 480   (16:9)
   2. VESA 1360 x 768   (16:9)
   3. VESA 1440 x 900   (16:10)
   4. VESA 1680 x 1050   (16:10)
   5. VESA 1920 x 1200   (16:10)

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Fixes
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This release of firmware contains the following fix since 4.2.0.8:
1. The SAM module could lose it's DDC settings in certain circumstances during a power cycle of the SAM module. This issue has been fixed.