KV1700/KV1701/KV1702/KV1703 Switches
Firmware Revision 3.6.0.0
Release Notes
May 1, 2007

This document outlines:

1. KV1700, KV1701, KV1702 and KV1703 switches firmware revision and compatibility
2. Important installation notes
3. How to update firmware?
4. Enhancements
5. Fixes
6. Important user information

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KV1700, KV1701, KV1702 and KV1703 Switches Firmware Revision and Compatibility
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Version 3.6.0.0 of KV1700, KV1701, KV1702 and KV1703 switches firmware is intended to be used into an OCTET switching system with the following OCTET switching system-component versions:

- OctoWare® Java-based system administration tool   revision 3.4.0.0
- 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
- KV170x switch   revision 3.6.0.0
- KV1724A SAM-SRL module   revision 1.0.1.4
- KV172xA SAM (all other types) module   revision 4.3.0.0

Version 3.6.0.0 of KV1700, KV1701, KV1702 and KV1703 switches is compatible with the following versions:

- OctoWare® Java-based system administration tool   From version 3.2.0.5
-KV1710 user station   From version 1.1.3.42
-KV1711 user station   From version 1.2.2.22
-KV1711-R2 user station   From version 4.3.0.2
-KV1712 user station   From version 1.2.2.22
-KV1712-R2 user station   From version 4.3.0.2
-KV1713 user station   From version 4.0.0.15
-KV1720A SAM-PS2 module   From version 2.0.0.2
-KV1721A SAM-USB module   From version 3.0.0.1
-KV1722A SAM-VSN module   From version 3.0.0.1
-KV1724A SAM-SRL module   From version 1.0.0.0
-KV1725A SAMDM-PS2 module   From version 4.2.0.1
-KV1726A SAMDM-USB module   From version 4.2.0.1
-KV1727A SAMDM-VSN module   From version 4.2.0.1

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                          Important Installation Notes
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Please update Octoware software to version 3.4.0.0 before you carry out any other OCTET switching system updates.

Versions of Octoware software before 2.1.0.11 will not operate correctly with the KV1700 switch.

Versions of Octoware software before 2.2.1.1 will not operate correctly with the KV1713 user station or SAM-DM devices.

Versions of Octoware software before 3.0.0.3 will not operate correctly with the KV1703 switch.

Versions of Octoware software before 3.2.0.5 will not operate correctly with the KV1711-R2 user station or the KV1712-R2 user station.

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         How do I update the firmware on my KV1700, KV1701, KV1702 or KV1703 switches?
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1. Install Octoware software as described in the Octoware software release notes.
2. From your newly installed Octoware software, select 'Admin Tools - Firmware Update' from the menu.
3. Select all of the KV1700, KV1701, KV1702 or KV1703 switches on your configuration. You must update each type separately.
4. From the "firmware update" dialog, select the update file for the KV170xx switches.
   This file will be named "**kv170x.bbx**" **Ensure you select the file that contains version 3.6.0.0.**
5. Select "begin update," and all firmware updates selected will commence. You may update all of your KV170x switches of the same type in parallel, for fastest results. It will take about 5 minutes per KV170x switch for the firmware updates to complete.

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 enhancements (since 3.5.1.7)
1. Support for Dual Matrix Configuration. The KV1711-R2, KV1712-R2 and KV1713 user stations can now be connected to two OCTET matrix switches. Make sure the KV170x switches are part of the same OCTET environment.
2. When OctoWare software was used to set up Follow mode and LDAP authentication only was enabled, the follow mode connections failed to be made in the system. Now if you are using Follow mode while the authentication setting is configured to "LDAP user-login authentication only", the lead user station is authenticated through a configured LDAP server and makes a connection to the lead server. The other following user stations (that are part of the group) are now logged in automatically by OctoWare software with the same username as the lead user station and the follow mode connections are made successfully. This means that the LDAP user at the lead user station now has to provide the LDAP password only once to login. The user's LDAP password is not stored anywhere in the OCTET system and when the lead user station logs out, all user stations in the Follow mode group are logged out too.

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                                     Fixes
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This release of firmware contains no fixes (since 3.5.1.7)

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<div align="center">Important User Information</div>

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1. When operating on a busy network, OctoWare software may encounter difficulties with transferring firmware update files to the KV170x switch. This is because the Octet switching system may timeout and aborts the operation if the file-transfer process is lengthy.

   If this is the case, there are a number of approaches that will help to resolve the problem:
   1.1. Perform the updates when the network is less busy.
   1.2. Update the KV170x switches individually (not in parallel).
   1.3. Increase the network capacity of your network switch/hub.
   1.4. Put the Octet switching system onto a dedicated network switch/hub.

2. Following the upgrade/downgrade of an KV170x switch using OctoWare software, the KV170x switch may become un-contactable via the network port. If this problem occurs both front panel LAN lights will be off even when connected correctly to the network. The error can be fixed by power cycling the KV170x switch.