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**Avocent® DSR™ 1024 / x03x KVM over IP Switch  
Release Notes  
Version 3.7.2.7  
December 18, 2015**

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This document outlines:

1. Update Notes and Instructions
2. Enhancements
3. Fixes
4. Flash Update Failure Recovery

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## 1. Update Notes and Instructions

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**NOTE:** This release is the final firmware release for the Avocent® DSR™ x03x switch products. These switches have been listed at an “End of Life” (EOL) status for five years, so they are considered beyond the scope of maintenance. If issues arise or a feature is needed, we recommend that you move to the Avocent® MergePoint Unity™ KVM over IP and serial console switch. For more information on the MergePoint Unity™ switches, please visit <http://www.emersonnetworkpower.com/en-US/Products/KVM/DigitalKVMSwitches/Pages/mergepointunityswitches.aspx>.

If you are proceeding with your Avocent® DSR™ switch, please refer to your user manual for detailed instructions to update the appliance.

Firmware updates to this version may require a multi-step upgrade process depending on the version level currently in the appliance to be upgraded. It is important that each of the following cases be considered, and the associated steps followed, to ensure a valid upgrade of the appliance.

**To upgrade DSR™ 1024/xx3x switches with firmware earlier than version 3.2.0.17:**

1. Upgrade to 3.2.0.17.
2. Upgrade from 3.2.0.17 to 3.5.1.16.
3. Upgrade from 3.5.1.16 to 3.7.1.23 or higher.

**To upgrade DSR™ 1024/xx3x switches with firmware version 3.2.0.17 or later, but earlier than version 3.5.1.16:**

1. Upgrade to 3.5.1.16.
2. Upgrade from 3.5.1.16 to 3.7.1.23 or higher.

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**To upgrade DSR™ 1024/xx3x switches with firmware version 3.5.1.16 or later:**

Upgrade to 3.7.1.23 or higher.

**NOTE:** Attaching the DSRIQ-VMC module to a Window® operating system target may require the USB CCID driver to be installed. If the user is prompted by the Windows® operating system New Hardware Wizard, the *Next* button should be selected.

**NOTE:** For Avocent® Power Management Distribution Units (PM 2003, 2006, 2024, 3003, 3006 and 3002 PDUs), v110 firmware or higher is required to be able to manage the PDU from a DSR™ switch.

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## **2. Enhancements**

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- OpenSSL updated for "GHOST" vulnerability
- Support for JAVA 8 Update 60

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## **3. Fixes**

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- Updated JAVA and Active X viewer certificates
- 487234-471028834: SSL certificate uses 2048 bits key length
- L3 487234-478967047: For the DSR™ 2035 switch ,LDAP stopped working at v3.7.2.3

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## **4. Flash Update Failure Recovery**

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If the green power LED on the front and back panel of the DSR™ switch blinks continuously, the switch is in recovery mode.

### **To recover from a failed Flash upgrade:**

1. Set up the TFTP server with server IP address 10.0.0.3.
2. Rename the Flash update file to the appropriate filename from the following list and place it into the appropriate directory on the TFTP server.

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Switch	File Name
DSR 1021/1022 switch	DSR1021.fl
DSR 1024 switch	DSR1024.fl
DSR 1031 switch	DSR1031.fl
DSR 1020/2020/4020 switch	DSRxx20.fl
DSR 8020 switch	DSR8020.fl
DSR 1030/2030/4030/8030 switch	DSRxx30.fl
DSR 2035/8035 switch	DSR8035.fl

3. If the DSR™ switch is not on, turn it on now.

4. The recovery process will start automatically.

**NOTE:** If you do not have a TFTP server, there are several shareware and freeware programs on the Internet that you can download and install.

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