

DSR™ x02x/x03x KVM over IP Switch Appliance
Firmware Release Notes
Version 3.7.1.18
Sept 15, 2010

This document outlines:

1. Update Instructions
2. Appliance Firmware Version and Language Support Information
3. Enhancements
4. Fixes
5. Flash Update Failure Recovery

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Update Instructions

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Please refer to your user manual for detailed instructions to update the appliance.

Firmware updates to this version 3.7.1.18 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.

For DSR 1021, DSR 1022, DSR 1024, DSR 8020 and all DSR xx3x switches:

Case 1: Firmware version is earlier than 3.2.0.17

Upgrade Steps Required:

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 3.7.1.18

Case 2: Firmware version is 3.2.0.17 or later, but earlier than 3.5.1.16

Upgrade Steps Required:

1. Upgrade to 3.5.1.16
2. Upgrade from 3.5.1.16 to 3.7.1.18

Case 3: Firmware version is 3.5.1.16 or later

Upgrade Steps Required:

1. Upgrade to 3.7.1.18

For DSR 1020, DSR 2020 and DSR 4020 switches:

Case 1: Firmware version is earlier than 3.6.2.17

Upgrade Steps Required:

1. Upgrade to 3.6.2.17
2. Upgrade from 3.6.2.17 to 3.6.5.16
3. Upgrade from 3.6.5.16 to 3.7.1.18

Case 2: Firmware version is 3.6.2.17 or later, but earlier than 3.6.5.16

Upgrade Steps Required:

1. Upgrade to 3.6.5.16
2. Upgrade from 3.6.5.16 to 3.7.1.18

Case 3: Firmware version is 3.6.5.16 or later

Upgrade Steps Required:

1. Upgrade to 3.7.1.18

Additional Notes:

1. Attaching the DSRIQ-VMC module to a Windows® 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 pressed.
2. For Avocent Power Management Distribution Unit (PM PDU) 2003, 2006, 2024, 3003, 3006 and 3002, v110 firmware or higher is required to be able to manage the PDU from a DSR switch.

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Appliance Firmware Version and Language Support Information

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The following DSR switch appliances are supported with this update:

Switch	English	Spanish	French	German	Italian
DSR 1021 DSR 1022	DSR1021 _3.7.1.18_en.fl	DSR1021 _3.7.1.18_es.fl	DSR1021 _3.7.1.18_fr.fl	DSR1021 _3.7.1.18_de.fl	DSR1021 _3.7.1.18_it.fl
DSR 1024	DSR1024_3.7.1.18.fl	N/A	N/A	N/A	N/A
DSR 1031	DSR1031 _3.7.1.18_en.fl	DSR1031 _3.7.1.18_es.fl	DSR1031 _3.7.1.18_fr.fl	DSR1031 _3.7.1.18_de.fl	DSR1031 _3.7.1.18_it.fl
DSR 1020 DSR 2020 DSR 4020	DSR4020 _3.7.1.18_en.fl	DSR4020 _3.7.1.18_es.fl	DSR4020 _3.7.1.18_fr.fl	DSR4020 _3.7.1.18_de.fl	DSR4020 _3.7.1.18_it.fl
DSR 8020	DSR8020 _3.7.1.18_en.fl	DSR8020 _3.7.1.18_es.fl	DSR8020 _3.7.1.18_fr.fl	DSR8020 _3.7.1.18_de.fl	DSR8020 _3.7.1.18_it.fl
DSR 1030 DSR 2030 DSR 4030 DSR 8030	DSRx030 _3.7.1.18_en.fl	DSRx030 _3.7.1.18_es.fl	DSRx030 _3.7.1.18_fr.fl	DSRx030 _3.7.1.18_de.fl	DSRx030 _3.7.1.18_it.fl
DSR 2035 DSR 8035	DSRx035 _3.7.1.18_en.fl	DSRx035 _3.7.1.18_es.fl	DSRx035 _3.7.1.18_fr.fl	DSRx035 _3.7.1.18_de.fl	DSRx035 _3.7.1.18_it.fl

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Enhancements

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This release contains the following enhancements:

1. SSLv2 and weak ciphers are disabled by default when using the OBWI
2. Improved speed of OBWI page refreshes

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Fixes

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This release contains the following fixes:

1. Substantial improvement in mouse performance with concurrent remote KVM sessions.
2. Keyboard country code in the OBWI Appliance Overview page maintains correct setting after a reboot.

3. Allows user to use the OSCAR™ graphical user interface to change a server name by deleting characters from the end of the name with the new name appearing in the MIB or OBWI. In earlier versions of firmware when the user changed the server name “ABCD” to just “A” using the OSCAR interface, the new name would appear in the OSCAR interface list, but not in OBWI or in the DSView™ management software.

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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. Use the following steps 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.

Switch	Filename
DSR 1021, DSR 1022	DSR1021.fl
DSR 1024	DSR1024.fl
DSR 1031	DSR1031.fl
DSR 1020, DSR 2020, DSR 4020	DSRxx20.fl
DSR 8020	DSR8020.fl
DSR 1030, DSR 2030, DSR 4030, DSR 8030	DSRxx30.fl
DSR 2035, DSR 8035	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.