

DSR® x02x/x03x Switch Appliances
Release Notes
Version 3.x.x.17
12 April 2006

This document outlines:

1. Update Instructions
2. Appliance Firmware Version and Language Support Information
3. Enhancements
4. Fixes
5. Known Issues
6. 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.

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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	Version	English	Spanish	French	German	Italian
DSR1021 DSR1022	3.2.0.17	FL0397.fl	FL0399.fl	FL0398.fl	FL0400.fl	FL0401.fl
DSR1024	3.2.0.17	FL0377.fl	N/A	N/A	N/A	N/A
DSR1031	3.2.0.17	FL0438.fl	FL0446.fl	FL0447.fl	FL0445.fl	FL0444.fl
DSR1020 DSR2020 DSR4020	3.6.2.17	FL0344.fl	FL0381.fl	FL0382.fl	FL0383.fl	FL0384.fl
DSR8020	3.2.0.17	FL0428.fl	FL0430.fl	FL0429.fl	FL0431.fl	FL0432.fl
DSR1030 DSR2030 DSR4030 DSR8030	3.2.0.17	FL0439.fl	FL0442.fl	FL0443.fl	FL0441.fl	FL0440.fl
DSR2035 DSR8035	3.2.0.17	FL0498.fl	FL0501.fl	FL0502.fl	FL0500.fl	FL0499.fl

Enhancements

This release contains the following enhancements:

1. AES Encryption-

Added support for AES encryption of keyboard and mouse, video and virtual media data. This is in addition to the existing encryption levels already supported (DES, 3DES, 128-bit). AES encryption is enabled by default for keyboard and mouse data. All encryption is disabled by default for video and virtual media data. The On Board Web Interface (OBWI) supports AES Encryption.

2. Name Synchronization-

The appliance allows target device names and cascade switch names that are entered in DSView® 3 Management Software to be sent to the appliance and to the DSRIQ modules. If the appliance receives a target device name or cascade switch name from DSView 3 software that is longer than 15 characters, the appliance will save the longer name, but truncate the name to 15 characters when storing the name in the DSRIQ module or displaying the name in the OSCAR® graphical user interface. The OBWI supports name synchronization.

3. Support for Server Technology Power Distribution Units (PDU):

- Sentry Switched CDU CW-16V1
- Sentry Switched CDU CW-16V2
- Sentry Switched CDU CW-24V2
- Sentry Switched CDU CW-24V3
- Sentry Switched CDU CW-32VD1
- Sentry Switched CDU CW-32VD2
- Sentry Switched CDU CW-8H1
- Sentry Switched CDU CW-8H2

The appliance will support up to two Server Technology PDUs, daisy chained using expansion modules, connected to the port on the back of the appliance labeled “SPC”.

The OBWI will support Server Technology PDUs that have been licensed by DSView 3 software for support by the appliance. The OBWI does not support adding Server Technology PDUs.

4. The OBWI supports access control for individual target devices.

5. The OBWI supports Simplified Chinese and Japanese languages.

6. The OBWI supports updating the DSR switch firmware via HTTP binary file upload.

7. The OBWI is now available on the DSR1031, DSR1030, DSR2030, DSR4030, and DSR8030 switches.

Fixes

This release contains the following fixes:

1. The '[' key on a Sun Japanese Keyboard is passed to the target device.
2. Added support for Acnodes KD-5154 keyboard/mouse.
3. (DSR1024 only) Keyboard Num Lock LED state properly updates following a remote video session.
4. Improved local port mouse performance.

Known Issues

This release contains no known issues.

FLASH Update Failure Recovery

1. Visit <http://www.avocent.com/support> and download the latest FLASH firmware from Avocent.
2. Save the FLASH update file to the appropriate directory on the TFTP server.
3. Set up the TFTP server with the server IP address 10.0.0.3.
4. Rename the download file to **DSRxxx.fl** (select from the following list) and place it into the TFTP root directory of the TFTP server.
 - DSR1021.fl
 - DSR1024.fl
 - DSR1031.fl
 - DSRxx20.fl
 - DSRxx30.fl
 - DSRxx35.fl
5. If the DSR switch is not on, turn it on now.
6. The recovery process will start automatically.

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