

HP StorageWorks DAT 320 SAS Tape Drives firmware revision VSA3 release notes



Description

The release includes updated firmware for DAT 320 SAS tape drives.

HP StorageWorks Library and Tape Tools (HP L&TT) must be used to download firmware to the tape drive.

Drive firmware version: VSA3

[Update recommendation](#) Recommended

[Supersedes](#) Drive firmware version: VS98

ⓘ IMPORTANT:

Testing has shown an incompatibility between HP-UX 11.31, HP Data Protector 6.1.1 and the DAT320 SAS tape drive with this new firmware VSA3.000.982 installed. If your system matches this configuration, do not upgrade your DAT320 drive firmware at this time. If you receive a new drive containing version VSA3.000.982 firmware, please downgrade your drive firmware to version VS98.001.901. If necessary, contact HP customer support to get a password to allow updating firmware to a previous version. A customer advisory will be issued to communicate when a long term solution is available.

Product models

- HP StorageWorks DAT 320 SAS Internal AJ830A
- HP StorageWorks DAT 320 SAS External AJ828A

Operating systems

- Operating systems supported by HP StorageWorks Library & Tape Tools. See <http://www.hp.com/support/tapetools>.

Languages

- English (American)
- English (International)

Fixes

- With at least one pattern of encrypted records, unencrypted records, and filemarks on the media, the DAT320 may report incorrect Next Block Encryption Status. This problem manifested itself while performing an append to an encrypted backup and has been corrected in VSA3 version of DAT320 firmware.
- The DAT320 Encryption LED was not working as customer expected. Changes were made in VSA3 to resolve the discrepancy.
- The DAT320 Ready LED would not flash as expected during small block read activity when an ILL condition is present. This problem has been resolved in VSA3 version of DAT320 firmware.
- Corrected some minor DAT160 format violations when utilizing DAT160 media.

- Corrected a write timeout problem found when using DAT160 media with data compression mode off.
- Corrected a problem found in the way the DAT320 SAS handled the enablement of the SAS protocol retry mechanism (Transport Layer Retries).

Enhancements

- Improved read and write reliability to DAT160 media.
- Changes were introduced to enhance the DAT320 read transfer rate.
- Changes were introduced to add compatibility with the HP SAS Expander module and the P812 Smart Array Controller.

Installation instructions

Use HP StorageWorks Library & Tape Tools (L&TT) to update the tape drive firmware. You can download L&TT from <http://www.hp.com/support/tapetools>. Online help and instructions are included with the utility.

NOTE:

Once the download has started, do NOT power off the unit or interrupt the firmware download process until the download is complete. Doing so could leave the product in a non-usable state.

The firmware files can also be obtained on the external HP support website: <http://www.hp.com/support/storage>. Select your product from the list and follow the instructions from the Web page. NOTE: If you have trouble finding your product or firmware, use the Product Search function from <http://www.hp.com/support/downloads>.

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Determining current version

You can check your current firmware revision from HP Library & Tape Tools (L&TT). Launch L&TT, select the product from the lower left hand frame and click on the identity button at the top (if necessary).

Firmware Version	Released	Status
VSA3	5/2010	Active
VS98	9/2009	Active

Effective date

May 2010

