

HP StorageWorks MSL2024, MSL4048, MSL8048, and MSL8096 Tape Libraries Ultrium 1840 tape drive firmware release notes

Parallel SCSI version B59W and Fibre Channel
version H61W



Description

This release includes updated tape drive firmware for Ultrium 1840 full-height parallel SCSI and Fibre Channel HP StorageWorks MSL2024, MSL4048, MSL8048, and MSL8096 Tape Libraries.

The tape drive firmware can be updated through any of the following methods:

[Update recommendation](#) Recommended

[Supersedes](#) All earlier versions of tape drive firmware.

Product models

All HP StorageWorks MSL2024, MSL4048, MSL8048, and MSL8096 Tape Libraries with one or more Ultrium 1840 full-height parallel SCSI or Fibre Channel tape drives.

Languages

- English (American)
- English (International)

Fixes

- Fixed a case when a drive firmware download failed if an LTO-4 cartridge is loaded in the drive.
- Corrects a case where the drive incorrectly reported to the host that a tape was stuck to the head (error code 0x76AC).
- Improved the ability to read tapes written by non-HP drives having poor write density.
- Fixed a case where the drive would appear unresponsive after receiving commands formatted to use multiple Information Units. These types of commands are supported by Linux OS drivers. (parallel SCSI B59W firmware only)
- Fixed an issue that resulted in poor read transfer rate or spacing issues, which lead to reporting errors 0x0590 or 0x5092, or occasionally errors 0x330D or 0x5084.
- Improved algorithms for reading LTO-2 tapes.
- Corrected issues that could allow incorrect entries in the Cartridge Memory Filemark map.

Installation instructions

To upgrade firmware from the RMI:

1. Download current firmware using HP Library & Tape Tools or from the HP support website: <http://www.hp.com/support/storage>.
2. Log into the RMI as the administrator user.
3. In the **Support: Firmware** page, select the tape drive, browse to the location of the tape drive firmware file, and click **Update**.
4. Repeat step 3 for additional Ultrium 1840 parallel SCSI tape drives in the Library.

To upgrade firmware from the MSL2024 OCP using a USB flash drive:

1. Download current firmware using HP Library & Tape Tools or from the HP support website: <http://www.hp.com/support/storage>. Copy the firmware onto the USB flash drive.
2. Insert the USB flash drive into the USB port on the back of the Library.
3. From the Home screen, press **Next** until the screen displays **Support**. Press **Enter** to select.
4. Press **Next** until the screen displays **Drive FW upgrade**. Press **Enter** to select.
5. Enter the administrator password if prompted.
6. Press **Next** until the screen displays the filename of the tape drive firmware file on the USB drive. Press **Enter** to select the firmware file.
7. If the upgrade failed, press **Enter** to display the error code and message describing the cause of the failure.
8. When the upgrade is complete, remove the USB flash drive from the USB port.

To upgrade firmware from the MSL4048, MSL80848, or MSL8096 OCP using a USB flash drive:

1. Download current firmware using HP Library & Tape Tools or from the HP support website: <http://www.hp.com/support/storage>. Copy the firmware onto the USB flash drive.
2. Insert the USB flash drive into the USB port on the back of the Library.
3. From the **Support** menu, select **FW Upgrade > By USB**.
4. Select the tape drive as the target for the upgrade, and select the filename of the firmware. Click **Upgrade**.
5. Repeat step 4 for additional Ultrium 1840 parallel SCSI tape drives in the Library.
6. When the upgrade is complete, remove the USB flash drive from the USB port.

Determining current version

To find the version of firmware installed on the Library, see the RMI **Support: Firmware** screen, the MSL 2024 OCP **Status/Information > Drive Information** option or the MSL4048, MSL8048, and MSL8096 OCP **Info > Identity > Drives** option.

Parallel SCSI versions

Firmware Version	Released	Status
B59W	11/22/2010	Active
B56W	8/13/2009	Active

Fibre Channel versions

Firmware Version	Released	Status
H61W	11/22/2010	Active
H58W	8/13/2009	Active

Effective date

November 22, 2010