



**Hewlett Packard**  
Enterprise

HPE StoreEver 1/8 G2 Tape  
Autoloader and MSL Tape Libraries  
Ultrium 3000 and 3280 LTO-5 Tape  
Drive Firmware Versions Z6MW,  
I6RW, and Y6PW Release Notes

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## Description

This release includes updated tape drive firmware for Ultrium 3000 and 3280 tape drives in HP StoreEver 1/8 G2 Tape Autoloaders and MSL2024, MSL4048, MSL6480, MSL8048, and MSL8096 Tape Libraries.

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

- Remote management interface (RMI).
- Operator control panel (OCP).
- HP Library and Tape Tools (L&TT).

Tape drive firmware versions:

- Z6MW: SAS half-height
- I6RW: FC full-height
- Y6PW: FC half-height

Effective date: October 27, 2016

## Update recommendation

Update recommendation: Recommended

## Supersede information

Supersedes: All previous versions of tape drive firmware.

## Product models

All HP StoreEver 1/8 G2 Tape Autoloaders and MSL2024, MSL4048, MSL6480, MSL8048, and MSL8096 Tape Libraries with one or more Ultrium 3000 or 3280 tape drives.

This release applies to the following product models:

- HPE StoreEver 1/8 G2 Tape Autoloader with an Ultrium 3000 SAS or FC tape drive
- HPE StoreEver MSL2024 Tape Library with one or more Ultrium 3000 SAS or FC tape drives or an Ultrium 3280 FC drive
- HPE StoreEver MSL4048 Tape Library with one or more Ultrium 3000 SAS or FC tape drives or Ultrium 3280 FC drives
- HPE StoreEver MSL6480 Tape Library with one or more Ultrium 3000 SAS or FC tape drives or Ultrium 3280 FC drives
- HPE StoreEver MSL8048 Tape Library with one or more Ultrium 3000 SAS or FC tape drives or Ultrium 3280 FC drives
- HPE StoreEver MSL8096 Tape Library with one or more Ultrium 3000 SAS or FC tape drives or Ultrium 3280 FC drives

## Languages

- English (American)
- English (International)

## Operating systems

This release is not OS-dependent.

## Compatibility notes

When an MSL6480 library has a Data Verification partition that includes both LTO-5 and LTO-7 tape drives, the LTO-5 tape drives must have Z6KW, I6PW, Y6NW or newer firmware installed.

## Enhancements

The following enhancements are included in this firmware release:

- Improved tape readability and reduced 0x5090/5092 errors during Spacing/Locating.
- Upgraded the OpenSSL version to 0.9.8zh to include the latest security fixes.
- Improved supportability by enhancing internal drive logging.

## Fixes

The following issues existing in versions Z6KW, I6PW, and Y6NW are fixed in versions Z6MW, I6RW, and Y6PW:

- Fixed a rare corner case where the drive would reset after a queue space overflow while performing internal log file operations.

## Installation instructions

### MSL6480 RMI

1. Download current firmware using L&TT or from the Hewlett Packard Enterprise support website:  
<http://www.hpe.com/support/storage>
2. Log into the RMI as the administrator user.
3. Navigate to the **Maintenance > Software Upgrades > Drive Firmware** screen. The tape drives are organized by drive type.
4. Click **Browse**, and then select the file from the local computer.
5. Click **Submit**.

### MSL6480 OCP

1. Download current firmware using L&TT or from the Hewlett Packard Enterprise support website:  
<http://www.hpe.com/support/storage>  
Copy the firmware file to a USB flash drive.
2. Log into the OCP as the administrator user.
3. Insert the USB flash drive into the USB port on the front of the library.  
The library detects the USB drive.
4. Select the firmware file.
5. Click **Start Upgrade**.

### 1/8 G2 Tape Autoloader or MSL2024, MSL4048, MSL8048, or MSL8096 RMI

1. Download current firmware using L&TT or from the Hewlett Packard Enterprise support website:  
<http://www.hpe.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 tape drives using the same firmware.

## 1/8 G2 Tape Autoloader or MSL2024 OCP

1. Download current firmware using L&TT or from the Hewlett Packard Enterprise support website:  
<http://www.hpe.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.

## MSL4048, MSL8048, or MSL8096 OCP

To upgrade firmware from the MSL4048, MSL8048, or MSL8096 OCP using a USB flash drive:

1. Download current firmware using L&TT or from the Hewlett Packard Enterprise support website:  
<http://www.hpe.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. Enter the administrator password if prompted.
5. Select the tape drive as the target for the upgrade, and select the filename of the firmware. Click **Upgrade**.
6. Repeat step 4 for additional tape drives using the same firmware.
7. When the upgrade is complete, remove the USB flash drive from the USB port.

## Related information

The latest documentation is available in the Hewlett Packard Enterprise Information Library:

<http://www.hpe.com/info/storage/docs>

To find documents for this product:

1. In the Products and Solutions pane, select **StoreEver Tape**.
2. Select the types of documents and your language.
3. In the **StoreEver Tape** pane, select your autoloader or library.

Available documents include:

- *HPE StoreEver 1/8 G2 Tape Autoloader Getting Started Guide*: Illustrated installation instructions
- *HPE StoreEver MSL2024 Tape Library Getting Started Guide*: Illustrated installation instructions
- *HPE StoreEver MSL4048 Tape Library Getting Started Guide*: Illustrated installation instructions
- *HPE StoreEver MSL6480 Tape Library Getting Started Guide*: Illustrated installation instructions
- *HP StoreEver MSL8048 and MSL8096 Tape Libraries Getting Started Guide*: Illustrated installation instructions
- *HPE StoreEver 1/8 G2 Tape Autoloader User and Service Guide*: Detailed information and instructions

- *HPE StoreEver MSL2024, MSL4048, MSL8048, and MSL8096 Tape Libraries User and Service Guide*: Detailed information and instructions
- *HPE StoreEver MSL6480 Tape Libraries User and Service Guide*: Detailed information and instructions

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