

Product Change Notice

Product Model Name: LTO2 Tape Drive
Date: November 2004
Reference ECO No: 15954

Reason for Change

This PCN announces the release of firmware version 38D0 for IBM LTO2 (200GB) tape drives. This firmware is available at no cost from Plasmon via the website www.plasmontech.com.

Description of Change

The following changes/features are incorporated into the new firmware release:

- Corrected Clean Required function to match Gen1.
- FC: corrected reporting for parameters “0” and “2” in logic page 0C.
- Improved write ERP to avoid permanent write errors on marginal media.
- Fixed media error 7 reported on Gen1 cartridge.
- During an FMR code update via LDI the drive LED now shows yellow.
- Corrected SCD error reported for a media defect (for example 6 or 7 instead of 4).
- Corrected log page 0x30 thread count reported for expired cleaner cartridge.
- FC: drive now responds correctly to wrong destination ID frames.
- LDI: cartridge no longer ejects after an Unload Without Eject command.
- Fixed timeout during a rewind after write.
- LDI: Reduced the read buffer delay while transferring data to library from drive.
- Fixed incorrect TUR sense reported during motor test after an unload executes.
- Enhanced drive dynamic equalization to improve drive read/write performance for variations between drives and media.
- FC: fixed Write FM failure resulting in an unload failure due to a firmware hang.
- FC: fixed abort received before the required timeout while executing a Write FM sequence causing a failure to execute the subsequent commands.
- Now validates media position to avoid drive running off end of tape.
- Corrected incompatible media format errors reported.
- FC: corrected drive assuming an invalid AL_PA (FF) when FC is not connected at power on.
- LDI: Read/Write to Tape command for than 1 dataset size fixed.
- Fixed End of Partition bit from previous cartridge remaining set at BOT after loading.
- Corrected false EOT detection due to media thickness variations between cartridges.
- Corrected Gen2 drive overwriting Gen1 media if CM Block 1 Protect bit not set (uninitialized).
- LDI: Corrected drive POST if a request for drive status over the LDI occurs immediately after an Unload Immediate ACK is received.
- Fixed TUR reporting an incorrect cartridge status (ASC/ASCQ 0401h) during Motor Test.
- LDI: corrected tape motion reporting while cartridge is in process of loading.
- Corrected ERP for Write Formatter error during DSS write.
- LDI: fixed SCSI ID field in sense (Byte 34) sometimes being incorrect.

- FC: corrected Data Integrity exposure for problems related to retaining Sequence Initiative.
- LDI: fixed incorrect ID being reported after being changed.
- RD/WR Attribute: corrected Format field to 0x0 per specification.
- Enhanced the drive ERP servo response for poor quality media.
- FC: corrected RRTOV due to drive rounding error.
- FC: fixed Reserve and TUR causing drive to POST during write by multiple hosts.
- FC: fixed drive hanging because of abort request.
- Corrected media rejection due to an invalid access point.

Firmware

To confirm the current firmware version using the front panel display menus, select Setup Library > Firmware Version.

Confirm the current firmware by issuing a SCSI inquiry on the drive.

The following table shows the release history of the IBM LTO2 (200GB) tape drive firmware.

Code	Release Date	ECO#
333K	May 2003	N/A
34X0	August 2003	N/A
38D0	November 2004	15954

Contact Information for Technical Questions:

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