

DSI Library Controller (SCSI) Firmware Changes

3.003.068

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1. Support for Plasmon G series MO libraries added. Differentiate between how DISC Orion and Plasmon return bar code information.

3.003.067

1. STK libraries do not set drive access bit like all other libraries. So, if drive is full, set access bit on for them.
2. No longer log the waiting for drive to eject the tape error 05 3A 00, since it is not really an error. It just fills the log up.

3.003.066

1. P3000 support. Do not error out if turning off serialization does not work.
2. STK9730 support. Change the length of descriptor space on read element status. Now all libraries are given 104 bytes per descriptor. This covers the STK descriptor length and also covers the ATL P series with serialization turned on.
3. Reset 'phase' to zero on all switch statement 'default' routines.
4. When a DISC library tells us to REZERO unit, we will still send a REZERO to the library, but now we will also send a E00001 error back to the host telling him something went wrong on the last command.

3.003.065

No changes to code for this version.
This version number was skipped to stay in sync with the new TLINKIP version.

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3.003.063

Rewrote and Reimplemented the SCSI timer loop that was deleted in 3.003.062. This will catch any SCSI commands that were left in limbo. If the library is hung between commands (like a disconnect and a reselection) the library will not respond a selection. We cannot do a device reset because we need to do a selection to do it. We can also not do a bus reset because we do not have the power to tell the adaptec card to do it. The only way to get out of a library hang is to reboot the controller which allows the Adaptec card to do a bus reset and set everybody to ground zero.

3.003.062

De-implemented SCSI timeout fix implemented in 3.003.053. This was done for a customer which controls two DISC libraries with one controller. Will reimplement the SCSI timeout fix with a different design so as to work with the customer in a future release.

3.003.061

1. Continuing changes for the way sense codes are compared.

Failure to catch the "REZERO" command from DISC libraries started the coding process.
change all "/nn/nn/nn" equates to {0xnn,0xnn,0xnn}
Changes to Compiler interface with the new O/S's (win98, winnt4.0 sp6, win2000) seems to evaluate the "/nn/nn/nn" expression differently (don't ask me why, maybe Bill knows). First noticed on the CDR product. Didn't notice on controller software till DISC libraries forced the issue. The "/nn/nn/nn" expression was only used for Breece Hill, Qualstar, and DISC libraries.

2. For the TCP/IP side. Upgrade NetManage TCP software (Ethdrv.exe).
Corrects a software bug with locking up. Three parameters added to the PCTCP.INI file.

3.003.060

change all "_fmemcmp(x,x,x)" to "_fmemcmp(x,x,x) == 0"
Changed the way sense codes were compared. Failure to catch the "REZERO" command from DISC libraries started the coding process.

3.003.059

1. Report 'X' for inaccessible on all elements in the library. Originally the 'X' would only be reported for the slots in the library. The 'X' is reported in the Full/Empty byte.
2. Fix the DISC Orion version check for barcode.
3. Turn off 'Serialization' on all ATL libraries when enabled.
4. Changed the way Sense Codes were compared. In some cases (Orion Disc Libs) the comparison of sense codes were always coming up TRUE. This caused the library to do an automatic REZERO.

3.003.058

Allow for multiple host connections. Implemented for the IP controller.

3.003.057

1. Implement raw SCSI trace logging. This info is stored in the controller log. It will be picked up by the TapeManager software and is able to be printed by the TM REP MAINT command. To turn on/off the SCSI tracing: TM MAINT .X
The X command is a toggle for on/off of SCSI tracing.
2. Change the I/O size between TLINK and TARGINIT to the reported on by targinit.
2. Change the amount of devices(libraries) supported at one time from 10 to 5.
(saves buffer space)

3.003.056

Implement support for Spectra Gator AIT Libraries

3.003.055

Qualstar Library support implementation

3.003.054

Changed timeout values that were implemented in 3.003.053. 4 minutes for regular commands. 18 minutes for the Lib INIT command.

3.003.053

1. Changed calls to ASPI. Applied a 60 second timeout. This is so if the Library does not respond to a command, TLINK does not lock up waiting for a response.
2. Added TCPLIBLK 1.000.000 to the Boot Floppy. The Controller floppy now supports s single bus, dual bus, and TCPIP controllers.

3.003.052

1. Corrected not reporting sense codes back correctly in the Controller Error Log
2. Don't send back Date/Time in log. Clean up Log appearance.