



Errata Sheet for the StorEdge™ L7 Autoloader with DLT 8000 Tape Drive

Please read this entire document before installation.

For Sun shipped StorEdge L7 Autoloaders the following applies:

1. Sun **ONLY** supports the HVD SCSI interface for the L7 Autoloader at this time. Do **NOT** attempt to attach this product to an LVD or SE SCSI host bus adapter—it will **NOT** work, and **DAMAGE** may occur if the L7 Autoloader is connected to an LVD or SE SCSI host.
Supported Sun host bus adapters:
 - PCI / HVD SCSI Support: X6541A
 - cPCI / HVD SCSI Support: X6749A
 - SBUS/ HVD SCSI Support: X1065A
2. SCSI interface cables do not ship with the L7. Since requirements vary according to the type of SCSI Host Bus Adapters used, customers must order a SCSI interface cable per Host Bus Adapter requirements.
3. The L7 DLT 8000 drive is not hot swappable. Do not attempt to disassemble the L7 Autoloader if failure occurs. Please consult your local authorized Sun service provider should a failure occur.
4. Solaris Operating System Support (*st* Tape Driver):
 - Supported on Solaris 9: Sun PatchID: 113324-02 (or higher)
 - Supported on Solaris 8: Sun PatchID: 108725-11 (or higher)
 - Supported on Solaris 7: Sun PatchID: 107460-13 (or higher)
 - Note: No /kernel/drv/st.conf modification are required for these operating systems. Modifications to /kernel/drv/st.conf will be unsupported.



5. Possible Boot Time Warning Messages with X6541A SCSI Host Bus Adapter (HBA):

- Summary
 - The L7 Autoloader operates correctly once the host system has completed booting. The messages may appear during the boot process and are only advisory. They should be ignored and will *not* impact performance of the device.
- Detailed Explanation
 - Possible boot time warning messages may occur from the HBA driver (*glm*) on Solaris Operating Systems 8 and 9. Other Solaris Operating System versions are not affected.
 - These warning messages may appear in the console when booting in verbose mode (*boot -v* from the OPB *ok* prompt) and may be recorded in */var/adm/messages*.
 - Sample Warning Message Sequence:

```
Nov  7 16:13:50 <hostname> \  
      scsi: [ID 107833 kern.warning] WARNING: /pci@8,700000/scsi@2,1 (glm3):  
Nov  7 16:13:50 <hostname> \  
      Connected command timeout for Target 1.0  
Nov  7 16:13:50 <hostname> \  
      genunix: [ID 408822 kern.info] NOTICE: glm3: fault detected in \  
      device; service still available  
Nov  7 16:13:50 <hostname> \  
      genunix: [ID 611667 kern.info] NOTICE: glm3: Connected command \  
      timeout for Target 1.0  
Nov  7 16:13:50 <hostname> \  
      glm: [ID 280919 kern.warning] WARNING: ID[SUNWpd.glm.cmd_timeout.6017]  
Nov  7 16:13:50 <hostname> \  
      scsi: [ID 107833 kern.warning] WARNING: /pci@8,700000/scsi@2,1 (glm3):  
Nov  7 16:13:50 <hostname> \  
      got SCSI bus reset  
Nov  7 16:13:50 <hostname> \  
      genunix: [ID 408822 kern.info] NOTICE: glm3: fault detected in \  
      device; service still available  
Nov  7 16:13:50 <hostname> \  
      genunix: [ID 611667 kern.info] NOTICE: glm3: got SCSI bus reset
```
 - The Warning Message Sequence above may occur as the *glm* driver (HBA/host side) first attempts Synchronous SCSI negotiation with the L7 robotics controller (target side), however, the L7 robotics controller is an Asynchronous SCSI device.
 - The Warning Message Sequence *ONLY* occurs during the boot sequence and is *ONLY* an *indication* that *glm* could not negotiate in Synchronous SCSI mode. After the *SCSI bus reset* event occurs, the *glm* driver *correctly* negotiates in Asynchronous SCSI mode.
 - There are *NO* implications once the system has completed booting and is fully operational. The HBA (host) and L7 controller (target) behave correctly in Asynchronous SCSI mode. Additionally, the DLT 8000 unit will negotiate correctly in Synchronous fast/wide SCSI mode with maximum burst rate of 20 MB/sec per DLT 8000 tape drive specification.
 - The host system will not indicate any further warning messages.
 - Patches for the *glm* driver for Solaris Operating Systems 8 and 9 will be posted to <http://sunsolve.sun.com/> as soon as they become available.



6. Optional Barcode Reader for the L7 Autoloader:

- May be ordered from Sun (please contact your local sales office).
- The optional barcode reader occupies the top tape cartridge slot and will reduce overall maximum tape cartridge capacity to six (6) cartridges with the barcode reader installed.

7. Optional Rackmount Kit for the L7 Autoloader:

- May be ordered from Sun (please contact your local sales office).
- The optional rackmount kit occupies 5RU of standard rack space.
- The optional rackmount kit supports either one (1) or two (2) L7 Autoloaders. A blank filler panel is provided for single unit L7 Autoloader installations.

8. Solstice Backup (SBU) Version 6.1 Considerations for the L7 Autoloader:

- If you purchased the barcode reader option for use with the L7 Autoloader, please ensure the barcode reader is installed in the L7 **BEFORE** attaching the Autoloader to the host system and configuring SBU 6.1. Please reference the StorEdge L7 Barcode Reader Installation Instructions or consult your local Sun authorized service provider for any questions pertaining to this hardware option.
- If you did **NOT** purchase the barcode reader option for use with the L7 Autoloader, please be aware that the SBU 6.1 *jbconfig* script will still indicate that a barcode reader installed and will query the installer if barcode reader support should be enabled—please answer “**n**” (indicating No) to this option.
- A sample installation is provided below for users installing SBU 6.1 **WITHOUT** a barcode reader option in the L7 Autoloader:

```
root@<hostname># jbconfig
1) Install a SmartMedia Jukebox.
2) Install an Autodetected SCSI Jukebox.
3) Install an Autodetected NDMP SCSI Jukebox.
4) Install an SJI Jukebox.
5) Install an STL Silo.

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.

Your jukebox has a bar code reader.
Do you want bar code reader support enabled? (yes/no) n

.
.
.

Jukebox has been added successfully

Would you like to configure another jukebox? (yes/no) n

Please make sure that you answer 'n' to the barcode
reader support question.
```