Specifications

Physical	Specification
Width	48.3 cm (19.0 in.)
Height (any module)	35.6 cm (14.0 in.)
Depth with tape drives	81.0 cm (31.9 in.)
Service Clearance	60.9 cm (24.0 in.)
Weights	
Base module (2 tape drives, 1 supply, robotics)	44.5 kg (98.0 lb)
Drive expansion module (4 drives and 1 supply)	41.3 kg (91.0 lb)
Cartridge expansion module	20.1 kg (44.2 lb)

Library Power

Input voltage	100–240 VAC, single phase
Frequency	50/60 Hz
Maximum library power consumption	1.4 A @ 120 V *or* 0.8 A @ 240 V
Maximum heat output	614 Btu/hr
Voltage-amperes	180 VA

Power Consumption *with* Four LTO Tape Drives

Input power	288 Watts
Input voltage-amperes	297 voltage-amperes
Input current (100 VAC)	3.0 amperes
Input current (120 VAC)	2.5 amperes
Input current (240 VAC)	1.2 amperes
Btu/hour	983 Btu/hr

Environmental

Item	Operating	Storage	Shipping
Temperature	10–40ºC (50–104ºF)	10–40ºC (50–104ºF)	-40 to +60ºC (-40 to +140ºF)
Humidity	20 to 80%	10 to 95%	10 to 95%
Wet bulb	29.2ºC (84.5ºF)	35ºC (95ºF)	35ºC (95ºF)

Library Modules
Base
Drive Expansion
Cartridge Expansion

Tape Drives
LTO Gen 2 and 3
SDLT 320 and 600

Interfaces
Ethernet
Fibre Channel (LC)
SCSI-LVD

Platforms
Windows: 2000 & 2003
UNIX: Solaris, HP-UX, Linux, AIX, & Novell

Management Software
ASM (SAM FS) 4.2+
Atempo Navigator 3.7+
BakBone NetVault 7.3+
CA ArcServe 11+
CA Enterprise 10.05+
ComVault Galaxy 5.0+
HP Data Protector 5.0+
LEGATO NetWorker 7.1+
Tivoli (TSM) 5.3
VERITAS BackupExec 9.0
VERITAS Netbackup 4.5+

StreamLine™
SL500 Modular Library System Customer Orientation Checklist

Introduction

This checklist is a guide to use when you talk with your customer about the features and functions of the SL500 Modular Library System. It is intended to help you make sure that the customer is ready to use the library, plus it contributes to the overall customer satisfaction.

After the installation is complete and *before* the customer starts using the library, make sure that you take time to discuss and answer any questions the customer might have about the library. If your customer has experience with StorageTek or other vendor libraries, point out any operational differences and similarities.

Customer Check Out

Complete the following checklist as you certify the customer on the SL500 library:

❑ Make sure that the customer has a copy of or access to the *SL500 User's Guide* (PN 96116). The CD is in the base unit accessories container. Refer to this guide as you go through the checklist.

Safety Features

The following are safety features for the SL500 library:

Cards and power supplies are housed in protective modules to prevent you from coming into contact with hazardous voltages and sensitive electronics.

Robotics software *parks* the robot by retracting it into the robotics unit before the front door can be opened. When the front door is opened, power is removed from the robot.

Front door must be opened with a key. Note: If the door is not fully closed, the robot remains disabled.

Modules

Introduce the customer to the library modules:

❑ Base module

❑ Drive expansion module (if installed)

❑ Cartridge expansion module (if installed)

Components

Describe the *front* components:
- ❑ Keypad (buttons and indicators)
- ❑ Robotics unit and removable façade
- ❑ Cartridge access ports (CAPs) and magazines
- ❑ Library front door lock
- ❑ Operator panel (if installed)

Describe the *back* components:
- ❑ Power switch
- ❑ Power supplies (standard/redundant)
- ❑ Rack power strips
- ❑ Interface cards (Fibre Channel/SCSI)
- ❑ Fibre Channel cable strain relief
- ❑ Library control card (RLC)
- ❑ Cooling fans
- ❑ Tape drives (type, numbers, interfaces)
- ❑ Vacant slots or panels (if any)

Describe the *inside* components:
- ❑ Explain how to open the front door
- ❑ Explain the slot numbering scheme
- ❑ Show where the reserved slots are for diagnostic/cleaning cartridges
- ❑ Describe the slots available for data cartridges with their configuration
- ❑ Show the location of the robotics unit (X table, hand, gripper, parked location and lever)
- ❑ Describe the tape drive operator panel functions

StreamLine Library Console

Explain the functions of the StreamLine Library Console (both local and remote):
- ❑ Operator panel (if installed)
- ❑ Help Menu
- ❑ Controls and indicators
- ❑ Screens and functions
- ❑ Passwords

Numbering Scheme

The numbering scheme uses four integers: library, module, row, and column numbers, to represent the cartridge and tape drive locations (as viewed from the front of the library).

Library	Always 0
Module	1 (top of rack) through 5 (bottom of rack)
Row	1 through 9 (base module) 1 through 11 or 12 (expansion module)
Column	1 through 9 (base or drive expansion module) 1 through 11 (cartridge expansion module)

Network Configurations

Verify the network settings with the system administrators

Item	Description
Library Name	Assign a name for network access, up to 11 characters
IP Address	Enter valid network address *Example:* 128.80.14.187
Subnet Mask	Allow access over larger networks
Gateway (optional)	Allow access to other subnets

Fill in customer information:

Name: _____

IP: _____

Subnet: _____

Gateway: _____

Modes of Operation

Explain the different modes of operation and operator tasks for each:
- ❑ Automated mode
- ❑ Manual mode

Operator Tasks

Cover the tasks with the operators about *How To:*
- ❑ Power-on and -off the library
- ❑ Use the keypad
- ❑ Use the Library Console
- ❑ Determine the status of the library and tape drives
- ❑ Open and close the CAP
- ❑ Insert magazines into the CAP
- ❑ Insert and remove a cartridge from the magazine
- ❑ Open the front door
- ❑ Insert cartridges in the slots
- ❑ Locate a cartridge tape
- ❑ Manually load, unload a tape drive
- ❑ Perform an audit (hardware, software, and the differences)
- ❑ Using the host software, vary the library and drives online and offline
- ❑ Remove a cartridge from the hand
- ❑ Handle cartridge tapes
- ❑ Set the write protect switch
- ❑ Order and attach labels
- ❑ Care for cartridges and labels

Upgrades

Cover the tasks with the operators about *How To:*
- ❑ Upgrade capacity
- ❑ Order modules

Going Online

Have the customer:
- o Refer to the software publications for the command syntax and console entries
- o Enter the system commands to place the library and all tape drives online
- o Make sure an audit has been performed
- o Synchronize the host with the library audit

Obtaining Support

Operators should be familiar with how to get help if something goes wrong and where to find additional information.

- ❑ Review support procedures with the customer.
- ❑ Describe how to access the CRC and what is available to them.

StorageTek's Technical Excellence Center (TEC) and Customer Resource Center (CRC) are available 24 hours a day, seven days a week to help when there is a problem.

To find more information about StorageTek's full range of support services, visit:

http://www.storagetek.com/support.html

Or, use the telephone to call StorageTek

1.800.525.0369 (inside the U.S.) or

303.673.4056 (outside the U.S.)

International customers should call their local, regional, or country customer support for information about how to place a service call; visit

http://www.storagetek.com/about/contact/worldwide_directory.html

Summary of Changes

EC	Date	Revision	Description
111957	January 2005	A	Refer to this revision.
128083	May 2005	B	Refer to this revision.
114121	December 2005	C	Refer to this revision.
114149	May 2006	D	Added Sun logo and copyright.

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