

StorageTek SL24 Tape Autoloader Getting started



STORAGETEK

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IMPORTANT:

The shipping lock must be removed for the robotics to work properly. A robot move error is displayed if the shipping lock is not removed. See step 1, Removing and storing the shipping lock.

WARNING!

The Autoloader weighs 15.6 kg (34.3 lb) without media and 20.4 kg (44.9 lb) with media (24 cartridges). When moving the Autoloader, to reduce the risk of personal injury or damage to the device:

- Observe local health and safety requirements and guidelines for manual material handling.
 - Remove all tapes to reduce the overall weight of the device and prevent cartridges from falling into the robotic path and damaging the Library.
 - Obtain adequate assistance to lift and stabilize the device during installation or removal.
-

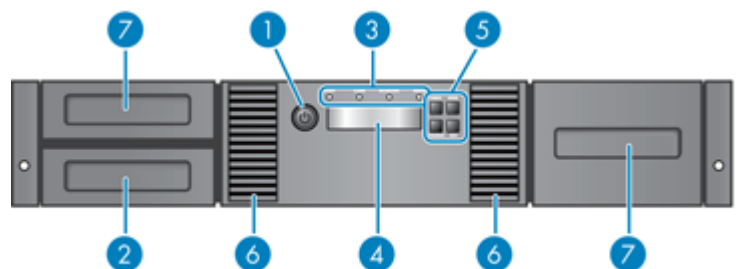
WARNING!

When placing the Autoloader into a rack, to reduce the risk of personal injury or damage to equipment:

- Extend the rack leveling jacks to the floor.
 - Ensure that the full weight of the rack rests on the leveling jacks.
 - Install stabilizing feet on the rack.
 - Extend only one rack component at a time. Racks may become unstable if more than one component is extended.
-

Front panel overview

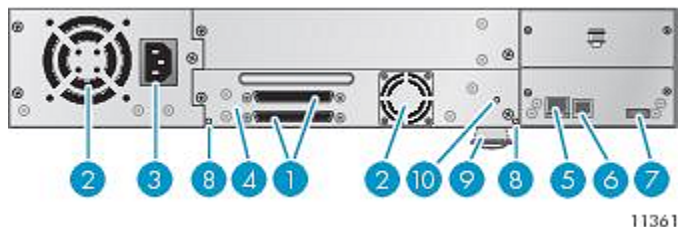
Oracle's StorageTek SL24 Tape Autoloader is a self-contained automated tape autoloader. Below is a figure of the front panel.



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- | | |
|-----------------|---------------|
| 1. Power button | 2. Mailslot |
| 3. LEDs | 4. LCD screen |
| 5. Control keys | 6. Air vents |
| 7. Magazines | |

Back panel overview: parallel SCSI

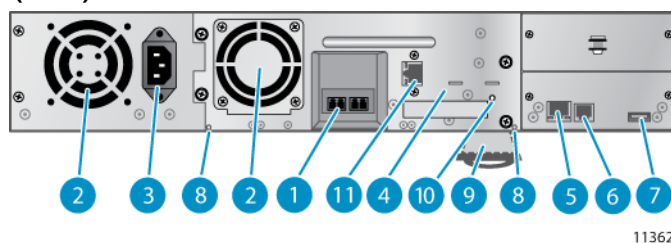


- | | |
|--|-----------------------------------|
| 1. Parallel SCSI connector | 2. Fan |
| 3. Power connector | 4. Tape drive assembly |
| 5. Ethernet port | 6. Serial port (Factory use only) |
| 7. USB port | 8. Magazine release hole |
| 9. Pull-out tab containing product information | 10. Tape drive assembly LED |

NOTE:

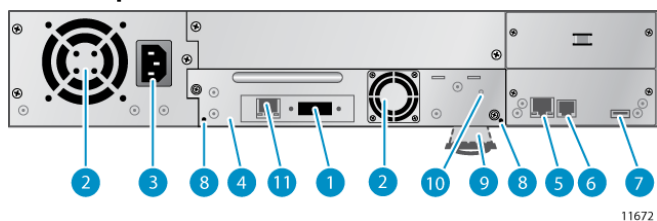
The overview of libraries with full-height SCSI drives is similar to that of libraries with half-height SCSI drives, shown above.

Back panel overview: Fibre Channel (FC)



- | | |
|--|-----------------------------------|
| 1. FC ports | 2. Fan |
| 3. Power connector | 4. Tape drive assembly |
| 5. Ethernet port | 6. Serial port (Factory use only) |
| 7. USB port | 8. Magazine release hole |
| 9. Pull-out tab containing product information | 10. Tape drive assembly LED |
| 11. Tape drive Ethernet port (LTO-5 only) | |

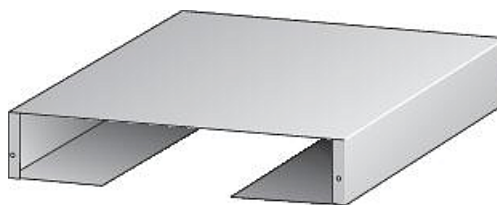
Back panel overview: SAS



- | | |
|--|-----------------------------------|
| 1. SAS port | 2. Fan |
| 3. Power connector | 4. Tape drive assembly |
| 5. Ethernet port | 6. Serial port (Factory use only) |
| 7. USB port | 8. Magazine release hole |
| 9. Pull-out tab containing product information | 10. Tape drive assembly LED |
| 11. Tape drive Ethernet port (LTO-5 only) | |

Optional: Tabletop conversion cover

The Autoloader should only be either installed into a rack with the enclosed rails or installed into the optional tabletop conversion cover and set on a flat surface.



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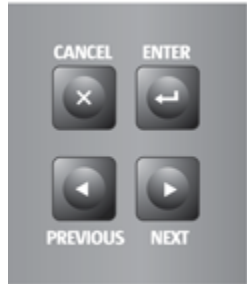
Using the operator control panel (OCP)

The OCP has a power button, four LEDs, four control keys, and a 2-line by 16-character LCD screen. With the OCP, you can monitor, configure, and operate most Autoloader functions from the Autoloader front panel.

See “OCP menu” on page 12 for more information.

Control keys

The OCP displays a menu that lets you access information and execute commands using the four control keys.



11991

Cancel — Cancels the current menu option, returns to the previous menu level, or returns to the Home screen.

Enter — Executes the current menu or selects the current option displayed on the LCD screen.

Previous — Selects the previous item or value in the currently displayed menu.

Next — Selects the next item or value in the currently displayed menu.

LED indicators

The OCP has four LEDs that provide information.



11993

Ready — Green, steady when power is on, blinking with tape drive or Autoloader robotics activity.

Clean — Amber when a tape drive cleaning operation is recommended.

Attention — Amber if the Autoloader has detected a condition that user attention is necessary, but that the device can still perform most operations.

Error — Amber if an unrecoverable tape drive or Autoloader error occurs. A corresponding error message displays on the LCD screen. User intervention is required; the device is not capable of performing some operations.

Using the remote management interface (RMI)

With the RMI, you can monitor, configure, and operate most Autoloader functions from a web browser.

It is recommended that, when possible, the RMI be used as the primary Autoloader interface because the web interface provides access to additional features, includes online help, and is easier to use. However, the RMI is not required to use the product, except to configure SNMP, IPv6, and logical libraries. The only tasks you cannot do from the RMI are:

- Opening the mailslots.
- Initiating the Wellness test.
- Saving and restoring configuration files and downloading firmware via a USB flash drive.

To enable the Autoloader RMI, follow the instructions in this document to:

- Connect the Autoloader to your local area network with an Ethernet cable (Step 9).
- Configure the network settings of the Autoloader (Step 10).
- If you intend to use the administrative functions of the RMI, set the Administrator password using the OCP (Step 12).

NOTE:

The Autoloader is shipped without an administrator password. You must set the administrator password with the OCP before you can use the RMI administrator functions. Once the administrator password is set, you can access the RMI by providing the administrator password on the login screen.


Logging in


Using the OCP, find the Autoloader IP address from the **Info > Network** screen. Open any HTML web browser and enter the Autoloader IP address. Select the account type. For the administrator account, you must also enter the administrator password. Click **Sign In**.




Once signed in, click **Help** in the upper right-hand corner for more information about the fields and information in the RMI.

Status icons

 The green **Status OK** icon indicates that the Autoloader is fully operational and that no user interaction is required.

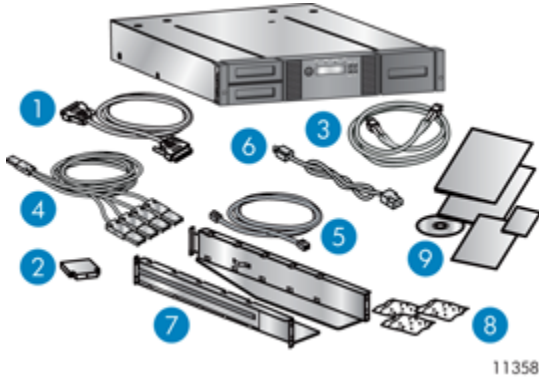
 The blue exclamation point **Status Warning** icon indicates that user attention is necessary, but that the device can still perform most operations.

 The red X **Status Error** icon indicates that user intervention is required and that the device is not capable of performing some operations.

Unpacking the Autoloader

Remove the packaging, accessories, and Autoloader from the box one layer at a time. Place the Autoloader on a level work surface. Carefully remove the foam padding and then the bag from the Autoloader. Save the packaging materials to move or ship the Autoloader in the future.

Identifying product components



1. Parallel SCSI cable (parallel SCSI Autoloaders — ordered separately)
2. U320 parallel SCSI terminator (one per parallel SCSI drive)
3. FC cable (FC Autoloaders — ordered separately)
4. SAS fanout cable (SAS Autoloaders)
5. Ethernet cable (ordered separately)
6. Power cord (ordered separately)
7. Two rack rails
8. Three packets of rack hardware
9. Product documentation

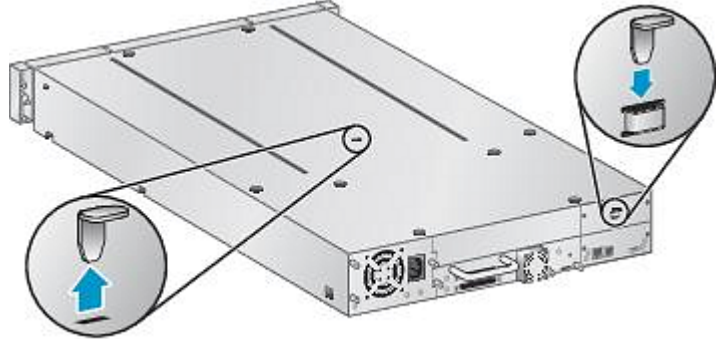
CAUTION:

High quality SAS cables rated at the transfer rate of the SAS components are required. Always verify that the SAS cable you are using is rated for the data transfer speed of the interface of your components. SAS cables described as "equalized" may not support 6 Gb/s data rates and should not be used with LTO-5 tape drives unless these cables are verified for 6 Gb/s data rates. For optimum performance, only use cables of the length specified as qualified for your products.

1 Removing and storing the shipping lock

The shipping lock protects the robotic transport mechanism from moving during shipment and must be removed and stored before powering on the Autoloader.

Locate the adhesive tape holding the storage lock at the top of the Autoloader. Remove the adhesive tape, then remove the storage lock and store it as shown.



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IMPORTANT:

The shipping lock must be removed for the robotics to work properly. A robot move error is displayed if the shipping lock is not removed.

Optional: Installing the tabletop conversion cover

Skip this step if you are mounting the Autoloader in a rack.

Place the cover on the work surface behind the Autoloader. Slide the Autoloader into the cover until the front panel of the Autoloader is aligned with the cover.

Tighten the two captive screws on the front bezel to secure the Autoloader in the cover.



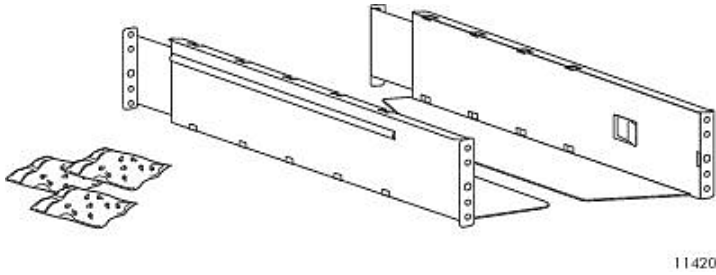
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CAUTION:

Operating the Autoloader on a flat surface without the tabletop conversion cover may cause errors or damage to the Autoloader.

2 Determining your rack type

You will need a #2 Phillips screwdriver, a small flat screwdriver, the two rack rails, and the hardware packets for your rack.



Racks having vertical mounting rails with 10–32 threaded holes in the rack column (Sun StorEdge Expansion Cabinet).

- You will need the **Standard rack hardware** packet and the packet of alignment pins marked **10–32 threaded-hole rack**.

Racks having M6 threaded holes in the rack column (Sun Rack 900 and 1000).

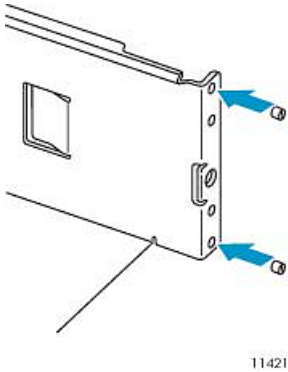
- You will need the **Standard rack hardware** packet.

Racks having 9.5 mm square holes in the rack column (Sun StorageTek Rack).

- You will need the **Standard rack hardware** packet and the packet of alignment pins and clip nuts marked **9.5 mm square-hole rack**.

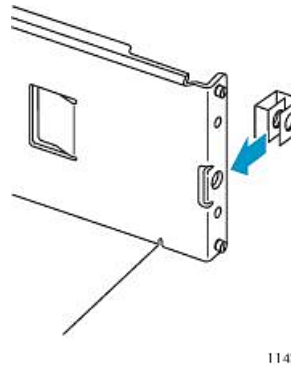
Customizing the rails for 10–32 threaded-hole racks

Using a flat screwdriver, replace the two alignment pins on the front and back of each rail with the pins from the **10–32 threaded-hole rack** packet.



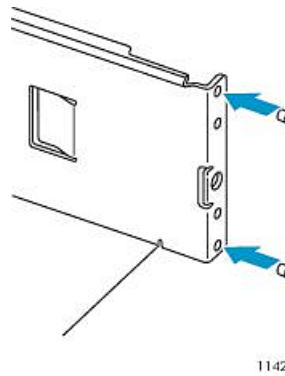
Customizing the rails for M6 threaded-hole racks

Insert a clip nut from the **Standard rack hardware** packet onto the back of the large hole on the front of each rail.

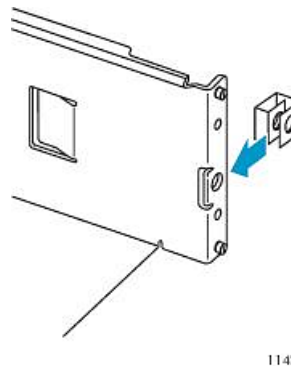


Customizing the rails for 9.5 mm square-hole racks

Using a flat screwdriver, replace the two alignment pins on the front and back of each rail with the pins from the **9.5 mm threaded-hole rack** packet.

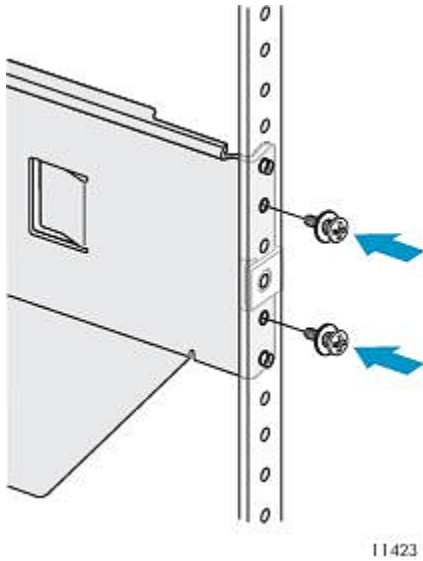


Insert a clip nut from the **Standard rack hardware** packet onto the back of the large hole on the front of each rail.



3 Securing the rails to the rack

Using two screws and flat washers from the **Standard rack hardware** packet, secure the front of one rail to the front of the rack. Extend the rail and secure the back of the rail to the rack using two screws and flat washers.

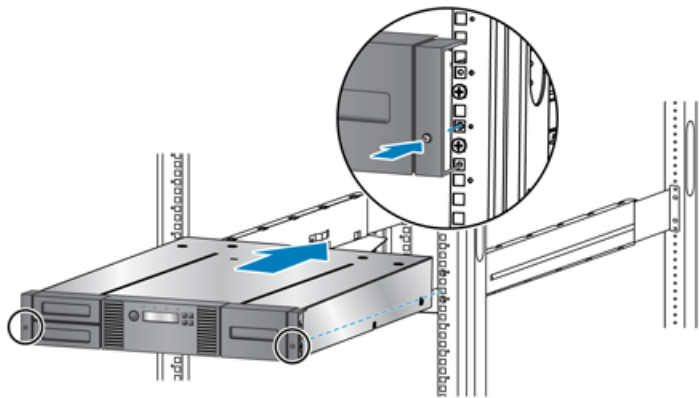


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Secure the other rail in a similar fashion.

4 Installing the Autoloader

Slide the Autoloader onto the rails in the rack. Secure the front bezel to the rack using a #2 Phillips screwdriver placed through the small holes in the mounting bracket to tighten the captive screws on each side of the Autoloader.

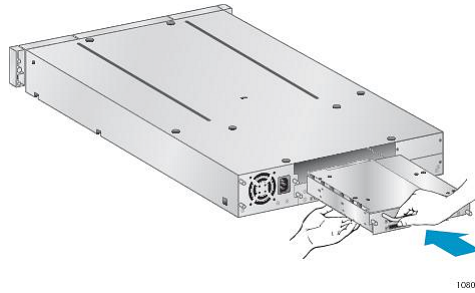


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Optional: Adding a tape drive

With a tape drive upgrade kit, the Autoloader can hold up to two half-height LTO tape drives.

Remove the drive bay cover. Position the tape drive on the alignment rails, then slowly slide it into the bay until it is firmly seated. Tighten the blue thumbscrews with your fingers until the tape drive is secure.



10607

5a Planning the FC configuration

The FC tape drive has two FC ports. Only one port may be used at a time, but both ports can be connected for path failover if your application supports path failover.

Direct connection You will need a 2 Gb, 4 Gb, or 8 Gb FC HBA. A 4 Gb HBA is recommended for LTO-4 tape drives for optimum performance. An 8 Gb HBA is recommended for LTO-5 tape drives for optimum performance.

SAN connection All switches between the host and the Autoloader must be of the appropriate type. A 2 Gb switch in the path may result in performance degradation when backing up highly compressible data to a 4 Gb tape drive. A 4 Gb switch in the path may result in performance degradation when backing up highly compressible data to an 8 Gb tape drive.

Configure zoning on the Fibre switch so only the backup servers can access the Autoloader.

NOTE:

See Step 13 for additional FC configuration information. See the *StorageTek SL24 Tape Autoloader and SL48 Tape Library User and service guide* on the documentation CD for instructions on changing the FC configuration.

5b Planning the parallel SCSI configuration

If you are unfamiliar with configuring parallel SCSI devices, read the parallel SCSI configuration information in the *StorageTek SL24 Tape Autoloader and SL48 Tape Library User and service guide* on the documentation CD.

Follow these general guidelines when planning the parallel SCSI configuration:

- The LTO-3 and LTO-4 tape drives are Ultra320 parallel SCSI devices. Only attach one LTO-3 or LTO-4 tape drive per Ultra320 bus. Attaching an LTO-3 or LTO-4 tape drive on a lower performance bus may degrade its performance. Do not connect an LTO tape drive to an SE SCSI bus because it will seriously degrade performance.
- The LTO-2 tape drive is an Ultra160 parallel SCSI device. Up to two LTO-2 tape drives can share an Ultra320 bus or each tape drive can be on its own Ultra160 bus.
- Avoid attaching the Autoloader to the same SCSI bus as a disk drive or SE device.
- The default SCSI ID of the bottom half-height or full-height tape drive is 4. The default SCSI ID of the top half-height tape drive is 5.

5c Planning the SAS configuration

The server must have a SAS HBA with an external connector.

NOTE:

Most SAS RAID controllers do not support Tape Autoloaders.

WARNING!

Do not connect the Autoloader to a SAS RAID controller unless the controller is qualified with the Autoloader. The server might not be able to boot when the Autoloader is connected to a non-supported SAS RAID controller.

CAUTION:

High quality SAS cables rated at the transfer rate of the SAS components are required. Always verify that the SAS cable you are using is rated for the data transfer speed of the interface of your components. SAS cables described as "equalized" may not support 6 Gb/s data rates and should not be used with LTO-5 tape drives unless these cables are verified for 6 Gb/s data rates.

6 Changing the SCSI ID

On a parallel SCSI Autoloader, if you need to change the SCSI ID for one or both of the tape drives, do so before connecting the Autoloader to the host computer.

1. Attach the power cord to the Autoloader.
2. Power on the Autoloader by pressing the power button on the front panel.
3. On the front panel, press **Enter**.
4. Press **Next** until the display shows *Configuration*. Press **Enter**.
5. Press **Next** until the display shows *Change Drive 1* or *Change Drive 2*. Press **Enter** to select the tape drive that needs a new SCSI ID.
6. Press **Next** until the display shows the new SCSI ID. Press **Enter**.
7. Change the SCSI ID of the other tape drive if necessary.

TIP:

The SCSI ID can also be changed from the RMI **Configure: Drive** screen once the RMI is configured.

7 Preparing the host

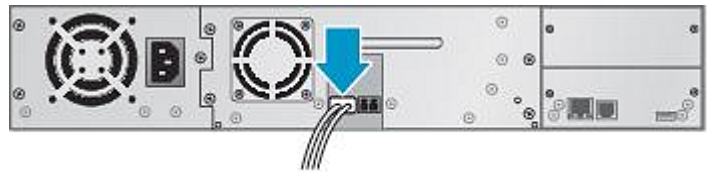
If necessary, install software, an HBA, and compatible drivers in the host computer.

For parallel SCSI and SAS Autoloaders, ensure that your HBA supports multiple LUNs. For parallel SCSI devices, verify that multiple LUN support is enabled for the HBA and operating system.

It is recommended that the host server be powered off before attaching new devices.

8a Connecting the Autoloader: FC

Remove the FC port dust cap from Port A. Attach one end of the FC cable to Port A on the tape drive. Attach the other end of the FC cable to a switch or HBA.



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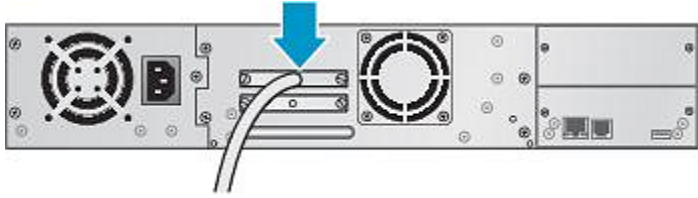
8b Connecting the Autoloader: parallel SCSI

NOTE:

For optimal performance, a parallel SCSI LTO-3 or LTO-4 tape drive should be the only device on the bus. A maximum of two LTO-2 tape drives can be on a single Ultra320 bus.

Attach one end of the parallel SCSI cable to one of the connectors on the tape drive. Attach the other end of the cable to the HBA or to the connector on the previous device on the SCSI bus.

Attach a terminator to the remaining SCSI connector on the tape drive.

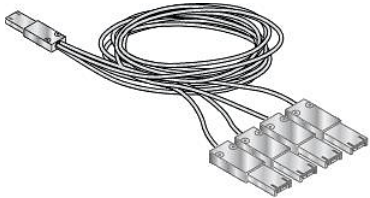


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Connect the second tape drive, if applicable.

8c Connecting the Autoloader: SAS

The SAS cable supplied with the Autoloader has a mini-SAS connector on the HBA end and four mini-SAS connectors on the tape drive end. This cable can be used to connect up to four tape drives to a SAS HBA. Any of the four connectors can be used for any tape drive.



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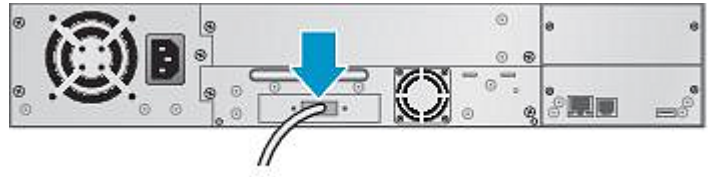
CAUTION:

Mini-SAS connectors are keyed. Do not force a SAS cable's mini-SAS connector into the tape drive mini-SAS connector because it might be keyed differently.

CAUTION:

SAS signal rates require clean connections with a minimum number of connections between the HBA and the Autoloader. Do not use adapters or converters between the HBA and the Autoloader. For reliable operation, use a maximum SAS cable length of six meters.

Attach the HBA end of the cable to the SAS HBA. Attach a connector to each tape drive.



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The unused ends of a fanout cable are single channel and not suitable for use with most disk arrays. Use the other ends to connect tape drives, or coil and secure them to the rack to minimize stress on the connectors.

NOTE:

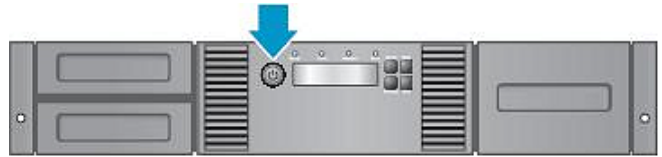
Each of the tape drives uses one channel and the cable supplied with the Autoloader maps each of the four channels from the HBA to one channel on the drive end. You can plug any of the four drive connectors into any tape drive.

9 Powering on the Autoloader

To use the web-based management interface, plug one end of the Ethernet cable into the Ethernet port on the back of the Autoloader. Plug the other end of the cable into an Ethernet LAN port.

Plug the power cable into the Autoloader from an AC power outlet.

Power on the Autoloader using the power button located on the front panel. Check the LCD screen to make sure the Autoloader is receiving power.



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Power on the host server and all devices you powered off earlier.

See page 12 for the OCP menu.

10 Configuring the Autoloader network

Configuring the network enables you to monitor, configure, and control most Autoloader functions from the remote management interface (RMI). By default, the Autoloader will request an IP address from a DHCP server. Optionally, you can configure the Autoloader to use a static IP address. Once logged into the RMI, you can administer further network changes through the RMI.

NOTE:

Most IPv4 network configurations are also available through the OCP.

The Autoloader supports IPv4 and IPv6 Internet Protocols. By default, the Autoloader is configured to use IPv4, the most common current version. You can enable IPv6 or both Internet Protocols from the OCP or RMI, and then continue configuring IPv6 settings from the RMI.

NOTE:

The Autoloader is shipped without an administrator password. You must set the administrator password with the OCP before you can use the RMI administrator functions. Once the administrator password is set, you can access the RMI by providing the administrator password on the login screen.

To find the IPv4 IP address obtained via DHCP:

1. From the Home screen, press **Next** until the display shows `Status/Information`. Press **Enter**.
2. Press **Next** until the display shows `Network Information`. Press **Enter**.
3. The display shows `IPv4 Network Enabled`. Press **Enter**.
4. Press **Next** until the display shows the IP address.
5. Press **Cancel** until the display shows the home screen.

To set the IPv4 IP address or enable IPv6:

1. From the Home screen, press **Next** until the display shows `Configuration`. Press **Enter**.
2. Press **Next** until the display shows `Configure Network Settings`. Press **Enter**.
3. The display shows `IPv4 Network Enabled`. To change the setting, press **Enter**. Press **Next** until the display shows the desired setting. Press **Enter** to accept the new setting.
4. Press **Next** until the display shows `IPv6 Networking`. To enable IPv6 networking, press **Enter**. The display shows `IPv6 Network Disabled`. To change the setting, press **Enter**. Press **Next** until the display shows the desired setting. Press **Enter** to accept the new setting.

If IPv4 networking is enabled, you can continue configuring the IPv4 network settings from the OCP:

1. From the Home screen, press **Next** until the display shows `Configuration`. Press **Enter**.
2. Press **Next** until the display shows `Configure Network Settings`. Press **Enter**.

3. Press **Next** until the display shows `IPv4 Networking`. Press **Enter**.
4. Press **Next** until the display shows `DHCP (IPv4) Enabled`. To change the setting, press **Enter**. Press **Next** until the screen displays the desired setting. Press **Enter** to accept the new setting.
5. If DHCPv4 is disabled, press **Next** to display the `IP address`. To change the IP address, press **Enter**. Set the new IP address with the **Next** and **Enter** keys.
6. Press **Next** to display the subnet mask. To change the subnet mask, press **Enter**. Set the new subnet mask with the **Next** and **Enter** keys.
7. Press **Next** to display the gateway address. To change the gateway address, press **Enter**. Set the new subnet address with the **Next** and **Enter** keys.

If you enabled IPv6, you must continue configuring IPv6 from the RMI after setting the administrator password in Step 12. You can find the IPv6 IP address obtained by the Autoloader from the OCP `Information/Status > Network Information` menu item. See the *StorageTek SL24 Tape Autoloader and SL48 Tape Library User and service guide* included in the product documentation for additional information on configuring IPv6.

11 Setting the date and time

This option sets the date and time used by the Autoloader to record events and should be set during the initial installation process. You can also set the date and time from the RMI **Configure: System** screen.

Access to this feature requires the administrator password, if set.

To set the date and time from the OCP:

1. From the Home screen, press **Next** until the display shows `Autoloader Date/Time`. Press **Enter**.
2. Enter the administrator password, if requested.
3. A number in the year will flash. Click **Next** until the correct number is displayed. Click **Enter** to accept the number. Repeat for each number in the date and time.
4. Press **Cancel** until the display shows the home screen.

NOTE:

When setting the hours, the time is based on a 24-hour clock. There is no a.m. or p.m. designation. For example, 1:00 p.m. is 13:00.

NOTE:

The Autoloader time does not automatically adjust for daylight saving time; you must adjust the time manually through the OCP or RMI.

12 Setting the administrator password

Setting an administrator password provides access to the administrator functions with the RMI and OCP, and restricts access to administrator functions to only those who know the administrator password. The Library comes with a null administrator password, which until set allows unrestricted access to all administrative functions through the OCP but not the RMI. Once the administrator password has been set from the OCP, it can be changed from either the OCP or the RMI. The administrator password must be exactly eight digits consisting of the numbers 0 through 9.

To set the administrator password:

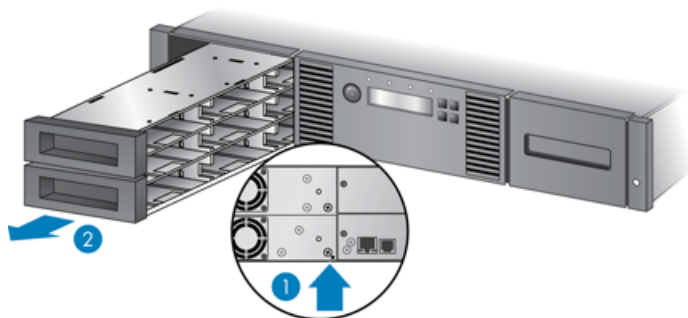
1. On the OCP, press **Enter**.
2. Press **Next** until the display shows *Configuration*. Press **Enter**.
3. Press **Enter** to change the administrator password.
4. The first number will flash. Press **Next** until the first number for the new password is displayed. Press **Enter** to accept the number. The next number flashes. Repeat for each number in the password.
5. Press **Cancel** twice to move to the top of the menu.

13 Configuring the FC ports

For most situations, leave the FC ports at the default settings of **Port Speed: Automatic** and **Port Type: Auto Detect**. With these settings, the tape drive will choose the appropriate configuration. See the *StorageTek SL24 Tape Autoloader and SL48 Tape Library User and service guide* on the documentation CD for instructions on changing the FC configuration.

14 Magazine release

When possible, release the magazines from the OCP or RMI. If you must remove the magazines when the Autoloader is not powered on: 1) insert a straightened paper clip or small pin about 1.5 cm (0.6 inch) into the magazine release hole, while 2) another person pulls out the magazine from that side.



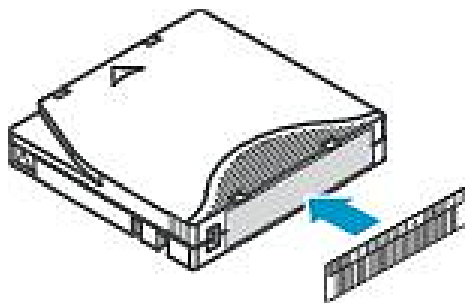
11342

IMPORTANT:

Do not force the pin once you encounter resistance. Doing so can damage the Autoloader.

15 Labeling tape cartridges

Attaching a bar code label to each tape cartridge enables the Autoloader and application software to identify the cartridge quickly, thereby speeding up inventory time. Make it a practice to use bar code labels on your tape cartridges.



11894

IMPORTANT:

The misuse and misunderstanding of bar code technology can result in backup and restore failures. To ensure that your bar codes meet quality standards, always purchase them from an approved supplier and never print bar code labels yourself.



11895

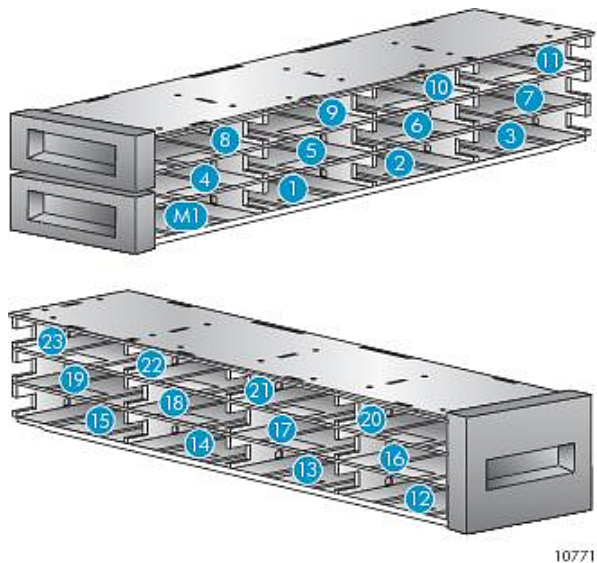
LTO tape cartridges have a recessed area located on the face of the cartridge next to the write-protect switch. Use only this recessed area for attaching the adhesive-backed bar code label. Only apply labels as designated.

16 Loading cartridges

Use the front panel **Operations > Unlock Left Magazine** option to release the left magazine. Pull the magazine straight out of the front of the Autoloader. If requested, provide the administrator password to access the magazines.

Insert the tape cartridges into the slots. By default, the slots are numbered 1 to 24, starting with the bottom front left slot.

To use the mailslot feature, leave the bottom slot in the front of the left magazine empty. The rest of the slot numbers are adjusted as shown.



NOTE:

When the mailslot is disabled, the mailslot becomes slot 1 and all other slots are renumbered.

Replace the magazines in the Autoloader.

Repeat for the right magazines. The right magazines do not have a mailslot.

Ordering media

Use the Ultrium data and cleaning tape cartridges designed for your model of Autoloader. To order data and cleaning cartridges please use the contact information below to locate the nearest tape media reseller:

- In the US contact 1 877 STK Tape
- Outside US contact tapemediorders_ww@oracle.com



17 Verifying the installation

Verify that the Autoloader has the most up-to-date firmware revision and upgrade the firmware if necessary. You can upgrade firmware from the OCP using a USB flash drive or through the RMI.

To find the firmware revision of the Library on the front panel:

1. From the Home screen, press **Next** until the display shows *Status/Information*. Press **Enter**.
2. Press **Next** until the display shows *Autoloader Information*. Press **Enter**.
3. Press **Next** until the display shows the *Firmware Rev.*
4. Press **Cancel** until the display shows the home screen.

To find the current firmware revision, visit the <http://sunsolve.sun.com> website.

After configuring the Autoloader, you can save the configuration database to a USB flash drive from the OCP or to a file from the RMI **Configuration > Save/Restore** screen. Having a backup of the Autoloader configuration is helpful when recovering from a configuration error, setting up multiple Autoloaders with similar configurations, or if the Autoloader needs service.

18 Configuring additional features

The Autoloader has many features to customize for your organization. See the *StorageTek SL24 Tape Autoloader and SL48 Tape Library User and service guide* on the documentation CD for more information about these features and instructions for their configuration.

- Partitioning an Autoloader with two tape drives into two logical libraries.
- Configuring IPv6 networking.
- Enabling and configuring SNMP network management.
- Naming the Autoloader.

Helpful websites

For other product information, see the following websites:

<http://www.oracle.com/us/sun/index.html>

<http://sunsolve.sun.com>

<http://docs.sun.com>

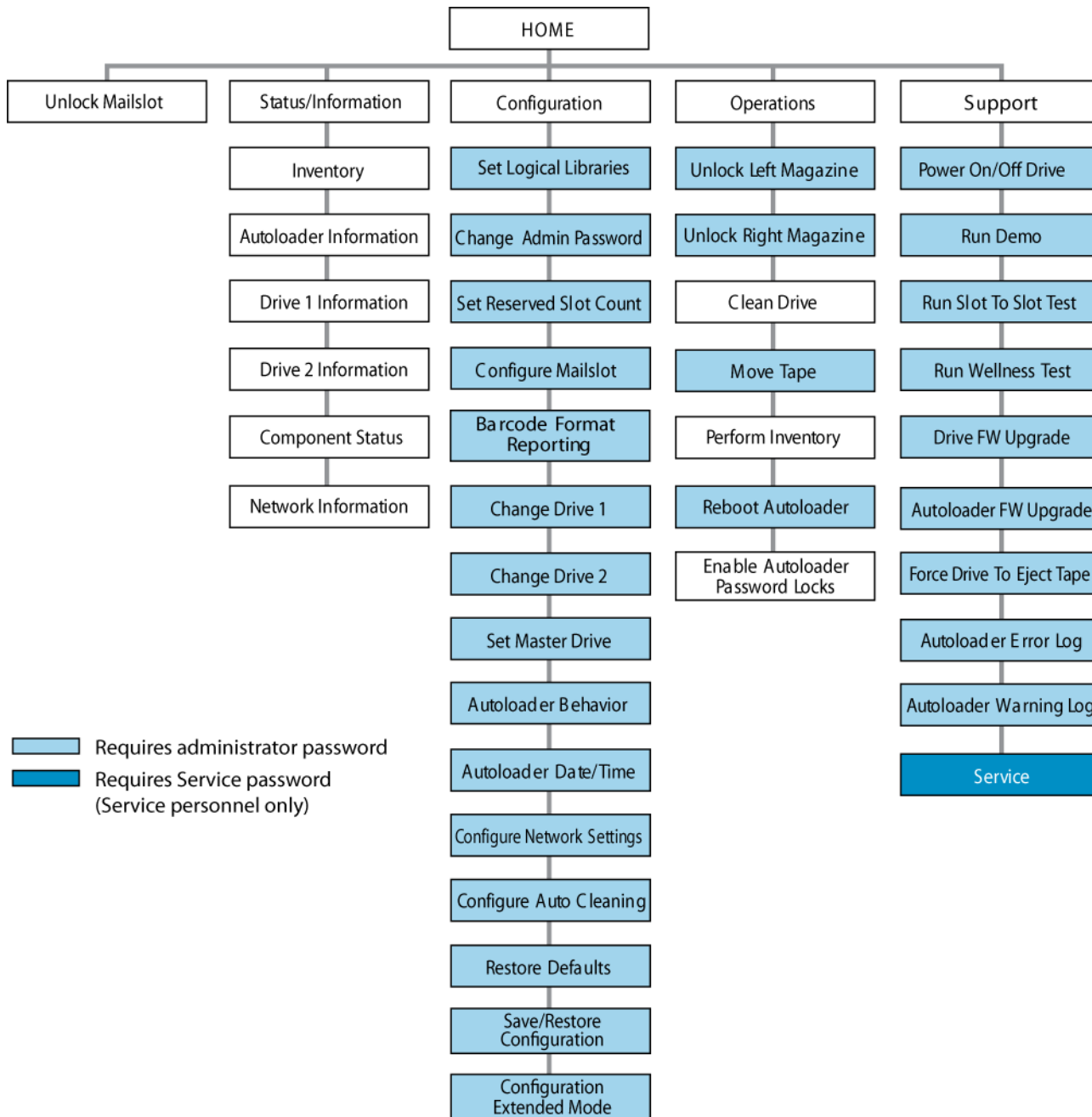
<http://www.oracle.com/us/products/servers-storage/storage/tape-storage/index.html>

<http://www.sun.com/bigadmin/home/index.html>

Technical support

Call your local Solution Center for warranty or contractual support. Contact numbers are at: <http://www.sun.com/contact/support.jsp>. Or, get self help at <http://sunsolve.sun.com>.

OCP menu



Related documentation

The *StorageTek SL24 Tape Autoloader and SL48 Tape Library User and service guide* on the documentation CD includes additional information about installing, configuring, upgrading, and operating the Autoloader. English, Japanese, French, German, Spanish, Simplified Chinese, Korean, and Italian versions of the guide can be found on the documentation website at: <http://docs.sun.com>.