



# SPECTRA T120 LIBRARY QUICK REFERENCE GUIDE



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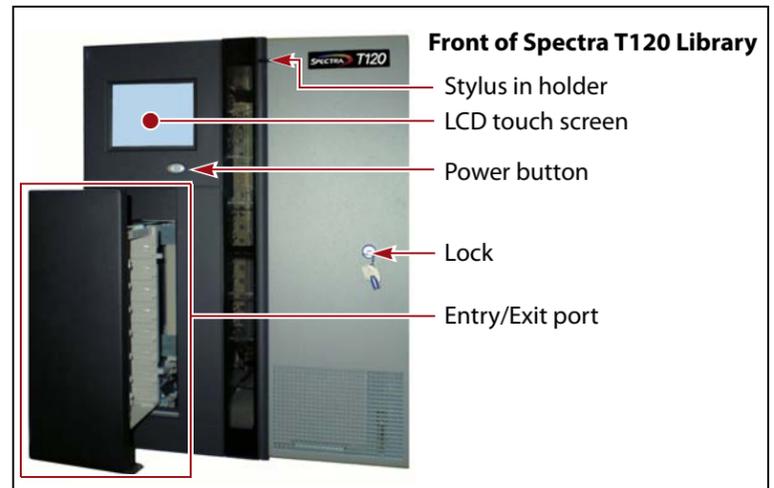
## POWERING THE LIBRARY ON AND OFF

Keep this guide near the library for quick reference to the most common library operations. Refer to the *Spectra T120 Library User Guide* at: [support.spectralogic.com/documentation](http://support.spectralogic.com/documentation) for detailed library information.

**Power On** To power on the library, press and hold the front panel power button for approximately three seconds, until the button's LED illuminates. Wait while the library completes its power-on sequence, which takes about five minutes depending on the library configuration. During the power-on sequence, the library initializes all components.

**Power Off** To power off the library, press and hold the front panel power button for approximately three seconds, until the button's LED starts flashing. The power-off sequence takes approximately one minute while the library allows applications to shut down gracefully. See the *Spectra T120 Library User Guide* for instructions on powering off the library with the BlueScale Soft Power option enabled.

**Note:** If the library is experiencing problems, do not power it off unless specifically directed to do so by SpectraGuard Technical Support.



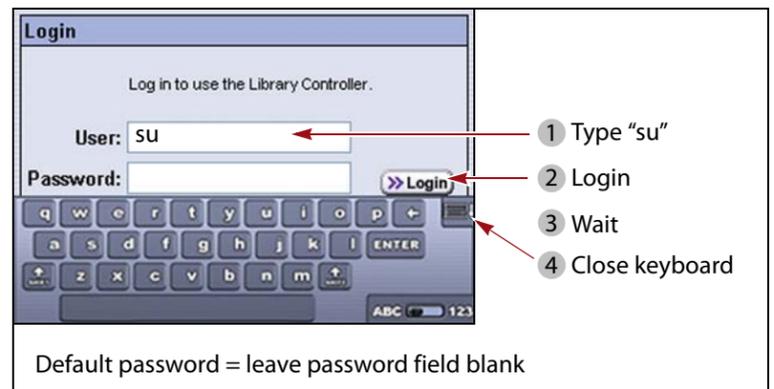
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## LOGGING INTO AND OUT OF THE USER INTERFACE

**Log Into the Library** After the power-on sequence completes, the login screen displays.

1. If you are logging in remotely, enter the IP address of the library in your web browser.
2. Click the keyboard icon to open the keyboard.
3. Using the stylus or a mouse, select the **User** box and enter the user name.

Default Users	Default login	Performs these tasks
Superuser	su	Controls all aspects of use and configuration.
Administrator	Administrator	Configures and uses the library.
Operator	Operator	Performs day-to-day operations.



4. Select the **Password** box and enter the password, if one is assigned, then click **Login**.

**Note:** You can close the keyboard by clicking its icon with the stylus to see the entire interface on the touch screen.

**Log Out of the Library** From the **Security** screen, select **Switch User** to log out and re-display the login screen.

**Keyboard Options** Entering information into a library screen requires a keyboard. You can use any of these keyboard options:

- **Soft Keyboard** – When using the front panel touch screen, use the stylus to select the soft keyboard icon in the lower right corner of the screen to open (and close) the on-screen keyboard.
- **Remote Library Controller (RLC)** – You can connect the library to an Ethernet network and access the web interface using a standard web browser and use your computer's keyboard.

**Important!** When accessing the library remotely through a web browser, make selections using your mouse to click buttons on the screen rather than using the **Enter** key on your keyboard. The **Enter** key can cause inconsistent behavior in the BlueScale interface.

- **Keyboard Connected to Library** – Connect a USB keyboard and mouse to the Library Control Module. See *Library Control Module* on page 2.

**Soft Keyboard**—Use the keyboard to “type” values in the user interface.

**Soft keyboard icon**

**Soft keyboard opened**

Touch this icon to open or close the keyboard

Touch this icon to switch between letters and numbers

**Stylus**

- Use the stylus to click buttons, type values, and open or close the keyboard.
- Touch **Enter** to complete keyboard entries.

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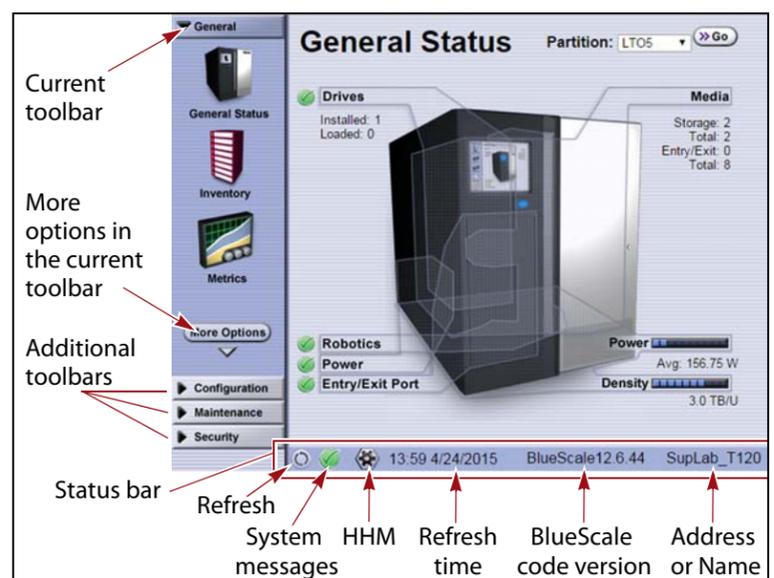
## GETTING TO KNOW THE USER INTERFACE

The library's BlueScale user interface lets you set configuration options, view library and drive information and metrics, manage media, monitor library operations, and generate support logs.

**Toolbars** Selecting a toolbar along the left side of each screen expands it to display the available options within that menu.

The General toolbar accesses the most frequently used library screens and controls:

- **General Status** – Displays the current status for all of the major library components for the selected library partition.
- **Inventory** – Displays controls for viewing the library's media inventory and for moving media from one location in the library to another.
- **Import/Export** – Displays controls for importing and exporting media.
- **Metrics** – Displays metrics for tape drive performance, power consumption, and storage density for the media types in the library.
- **Media Lifecycle Management** – Displays options for generating and viewing Media Lifecycle Management reports.



**Status Bar** The status bar is located at the bottom of each screen.

- **Refresh** – Refreshes the information currently displayed on the user interface.
- **System Messages** – Indicates the status of library components, as described in the table to the right.
- **Hardware Health Monitor (HHM)** – See description to the right.
- **Remote Support** – Provides online access to the Remote Support section of the Spectra Logic web site. The icon (🔧) is only visible when accessing the library remotely via the Remote Library Connection (RLC).
- **Refresh Time** – Shows the time of the last screen refresh.
- **BlueScale Code Version** – Shows the version of the library's BlueScale code.
- **Address or Name** – Shows the library's IP address (on the front panel) or the library's name (on a web browser).

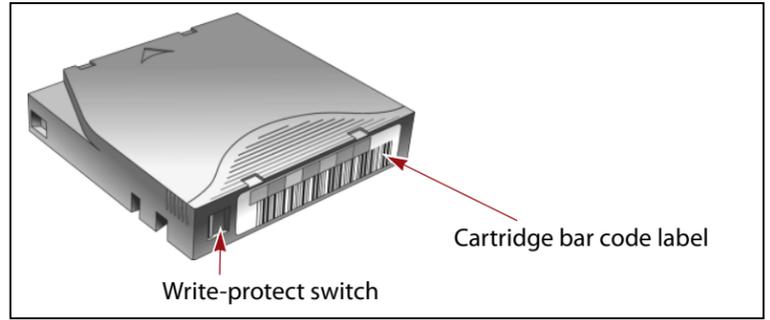
Icon	System Messages Meaning
	<b>System OK.</b> All system components are functioning correctly.
	<b>Information.</b> An informational message about a system component is available.
	<b>Attention.</b> A system component requires attention. Check messages to determine the component.
	<b>Error.</b> A system component has experienced an error condition.
	<b>HHM Notification.</b> A component has reached its maintenance threshold. Click the icon to view the notification and generate an AutoSupport ticket.

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PREPARING MEDIA

Before loading media into the library, ensure that it is properly labeled and that the write-protect switch is set for the desired operation.

1. Prepare and affix a bar-code label to each cartridge if it is unlabeled.
2. Set the write-protect switch on each cartridge as required.
  - **Unlocked**—write enabled
  - **Locked**—write protected
3. Import the cartridges using one of the methods described below



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IMPORTING OR EXPORTING MEDIA

**Import and Export Cartridges**

To use your storage management software to import or export media, see the software's documentation for instructions.

- **Initial Library Setup**—The "Bulk Load" feature is a convenient way to fill the library with media during the initial setup. See the Bulk Load or Unload instructions below.
- **Daily Operations**—You typically use your storage management software to manage moves so the software and library inventory are synchronized. If you use the library's front panel to move tapes between slots and drives, or between slots and the E/E port, use your software to re-inventory the library before starting any host operations. If you have multiple partitions, see the *Spectra T120 Library User Guide* for details on using Queued Ejects and Shared E/E.

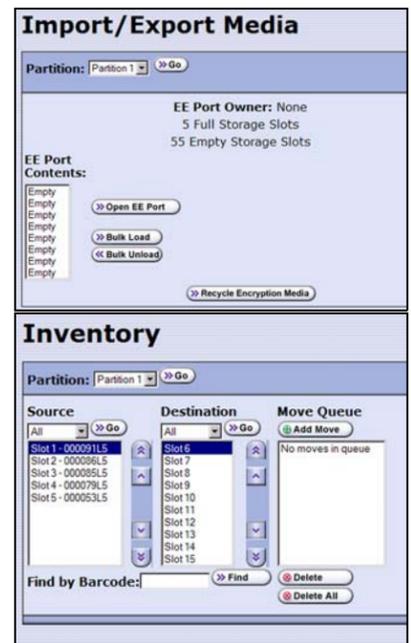
**Import Media** To import media into a partition, follow these steps:

1. From the toolbar menu, select **General** → **Import Export**. The Import/Export Media screen displays.
2. Using the **Partition** drop-down menu, select the partition you want to load cartridges into and click **Go**.
3. Click **Open EE Port**. When the E/E port opens, insert one or more cartridges into empty E/E port slots.
4. Click **Close EE Port**. After the E/E port closes, the library scans the E/E port for new cartridges.
5. From the toolbar menu, select **General** → **Inventory**. The Inventory screen displays.
6. Using the **Partition** drop-down menu, select the partition you want to import the media into, and click **Go**.
7. Select **Entry/Exit** from the **Source** drop down list, and click **Go**.
8. Select **Storage** from the **Destination** drop-down list, and click **Go**.
9. In the **Source** list, highlight a tape that you just inserted, and highlight the storage slot where you want the tape placed.
10. Click **Add Move** to add the move to the queue.
11. Repeat **Step 9** and **Step 10** for each additional cartridge you want to import.
12. When you are ready to start the move(s), click **Start Moves**.

After the media moves to the location, a Move Status screen displays showing the success of the move operation.

**Bulk Load or Unload** To bulk load or unload cartridges, follow steps 1 and 2 above, then click:

- **Bulk Load**—When the E/E port opens, insert one or more cartridges into empty slots, respond to the confirmation screen, and click one of the following:
  - **Continue**—Close the door and allow the library to move the cartridge(s) to the first available slot(s). The door re-opens to accept more cartridges.
  - **Stop Loading**—Close the door and allow the library to move the cartridge(s) to the first available slot(s), and complete the loading process.
- **Bulk Unload**—The library moves the first available cartridge(s) to the E/E port and opens the door.
  - **Continue**—Close the door and allow the library to move additional cartridge(s) to the E/E port. The door re-opens to allow you to unload the cartridges.
  - **Stop Unloading**—Close the door and complete the unloading process.



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IDENTIFYING SLOT AND COMPONENT LOCATIONS

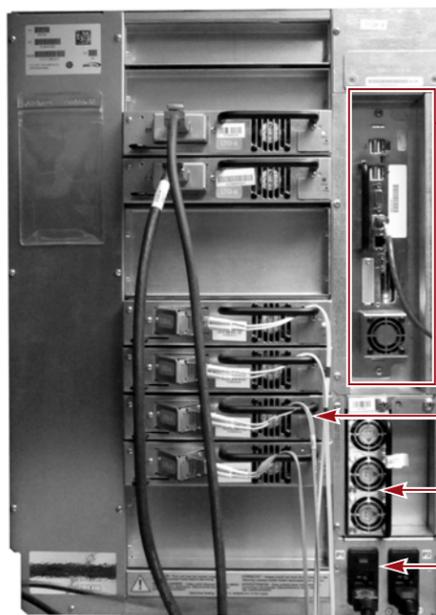
**Slot Locations**

Refer to this section to determine the interior slot locations.

Left side				Right side			
8	24	40	56	120	104	88	72
1	17	33	49	113	97	81	65
1	16	32	48	112	96	80	64
E/E							
8	9	25	41	105	89	73	57

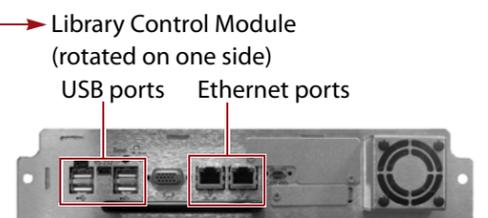
Front

**Back of Spectra T120 Library**



**Rear Panel Components**

Refer to this section to identify components on the library's back panel.



- 1 Library Control Module
- 2 Tape Drive
- 3 Power Supply
- 4 Power Connector and Breaker

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LOCATE ADDITIONAL INFORMATION

See the *Spectra T120 Library User Guide* available at [support.spectralogic.com/documentation](http://support.spectralogic.com/documentation), for more information about library configuration, operation, and troubleshooting. See the *T120 Library Release Notes and Documentation Updates*, available after you log into the Spectra Logic Technical Support portal at [support.spectralogic.com](http://support.spectralogic.com), for information about BlueScale software and library component firmware, and documentation updates.

Spectra Logic Technical Support		Spectra Logic Sales	
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