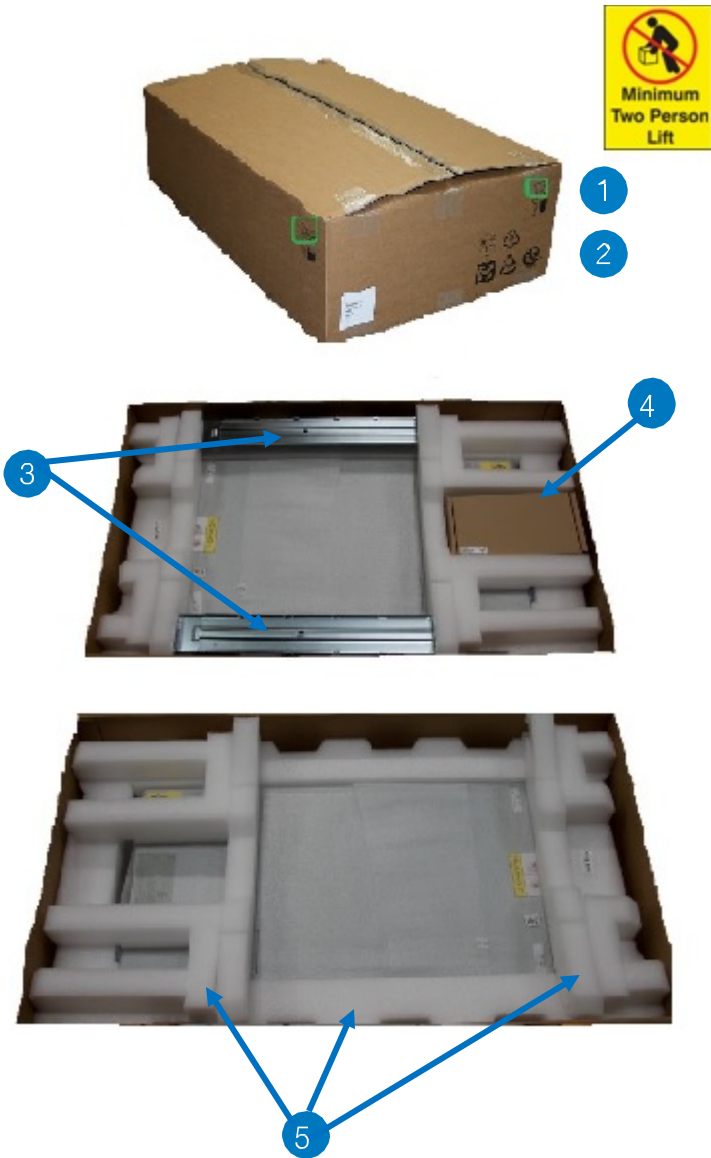
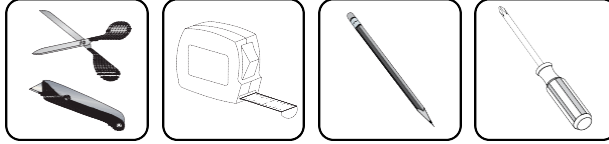


This Quick Start Guide is designed to be used with either the Q40 Base Library or Expansion Module. It will explain how to unpack the units and install them in a standard 19 inch rack.

### Required Tools:

- Utility Knife or Scissors
- Tape measure
- Pencil
- No. 2 Phillips screwdriver



### Unpacking the Library

**Warning: Due to the weight of the library, at least two people are required to lift the unit.**

- 1 Place box on flat surface with arrows pointing upwards.
- 2 Carefully cut tape and open the top of the box.
- 3 Remove the rack rails.
- 4 Remove the accessory kit box.
- 5 Remove the foam pieces from the top of the module.
- 6 With assistance, lift the module out of the box.
- 7 Remove the wrapping from the module and then place the module on a flat surface.
- 8 Open and remove items from accessory kit.

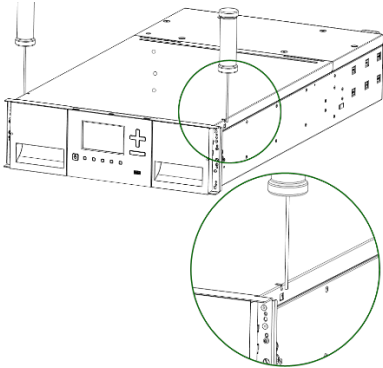
The Q40 comes with a rack kit for easy installation and securing of the library into a 19-inch (EIA-310) rack.

**Important: Two-post telco-style or other racks less than 39 inches in depth will NOT support this unit.**

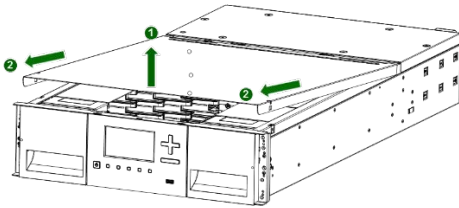
## Removal of Insertion Foam

The Q40 robotics is protected during shipment by an insertion foam which must be removed prior to installation of the library.

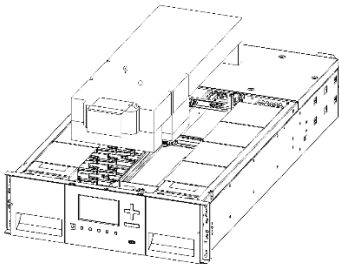
- 1 Remove the top cover plate from the Base Module by using a small screwdriver to unlock the top cover.



- 2 Lift the cover and pull forward to disengage the cover from the pivot point at the center of the module.



- 3 Remove the insertion foam.



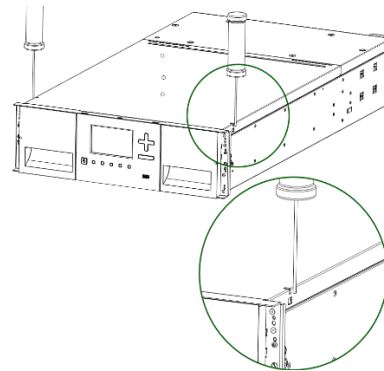
## Preparing Top/Bottom Modules

Skip this section if you are only installing a Base Module

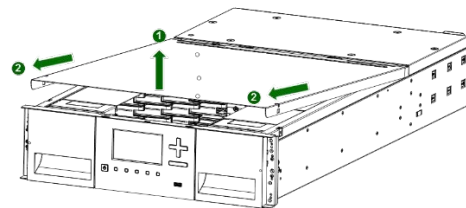
If you are adding an Expansion Module above the Base, you must move the top cover plate from the Base to the Expansion. If you are adding an Expansion Module below the Base, you must move the bottom cover plate from the Base to the Expansion.

### Moving the Top Cover Plate

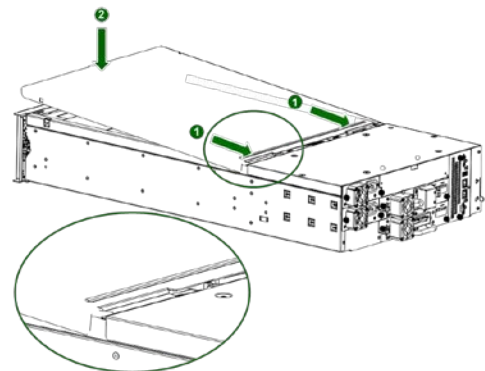
- 1 Remove the top cover plate from the Base Module by using a small screwdriver to unlock the top cover.



- 2 Lift the cover and pull forward to disengage the cover from the pivot point at the center of the module.

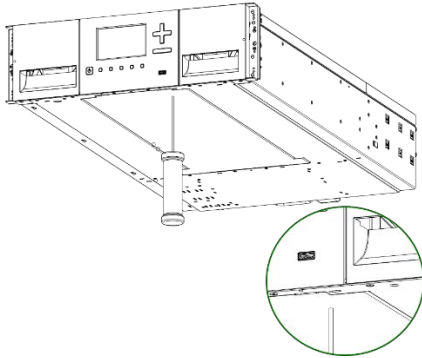


- 3 Install the top cover on the Expansion Module.

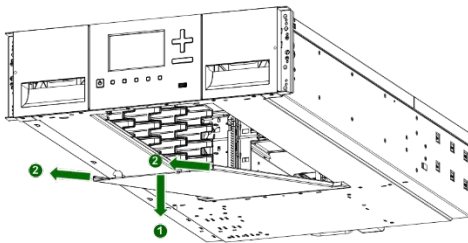


## Moving the Bottom Cover Plate

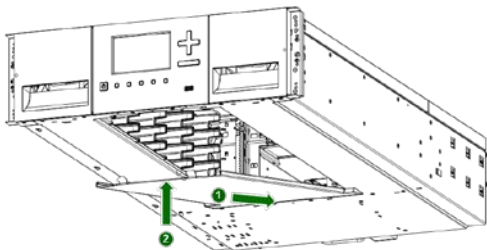
- 1 Remove the bottom cover plate from the Base Module by lifting the front end of the module and using a small screwdriver to unlock the bottom cover.



- 2 Lower the front end of the cover and pull forward to disengage the cover from the pivot point at the center of the module.



- 3 Install the bottom cover plate to the Expansion Module.



## Mounting the Library in a Rack

**Note:** When installing multiple modules, you must locate the bottom of the lowest full U where the lowest module will be installed and install the bottom most module first.

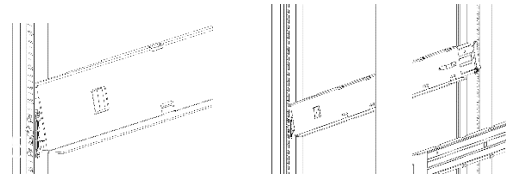
- 1 Locate the 4 adapter blocks and 4 Philips screws in the accessory box, along with the 2 rackmount rails.

- 2 On the front of the rack, mount an adapter block at the appropriate height to the rack posts.

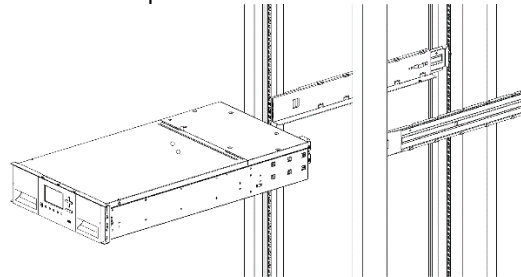


- 3 Repeat step 2 on the rear rack posts.

- 4 Mount the Rackmount rails to the adapter blocks.



- 5 Place the module at the front of the rack on the support angles of the rails and push the module into the rack.



## Aligning and Connecting Modules

Skip this section if you are only installing a Base Module

- 1 Loosen the screws on each module. Go to the back of the rack and move the alignment lever on the upper module to the locked position.



- 2 Verify that the lowest module in the rack has its alignment mechanism in the **unlocked** position.
- 3 Tighten all of the loosened screws.
- 4 Go to the back of the rack and connect each pair of modules using the expansion interconnect cable.

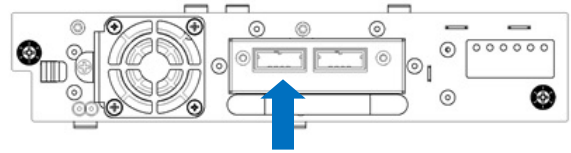


## Cable Attachment

All cabling and power connections are located on the Q40's rear panel.

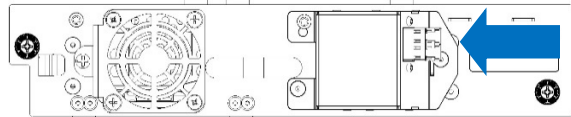
- 1 Attach one end of the **host interface cable** to the library:

For a Serial Attached SCSI (SAS) tape drive, attach one end of the SAS cable to Port A of the drive.



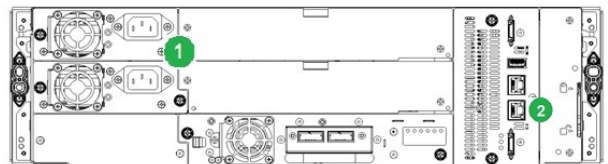
If you are using a SAS fanout cable, attach one mini-SAS connector into the connector on each tape drive. Any unused ends of the SAS fanout cable should be secured to the rack to minimize stress on the connectors and cable.

For a Fibre Channel (FC) tape drive, attach one end of the FC cable to the FC port of the drive.



- 2 Plug a power cord into the power connector on the power supply **1**. If the unit has redundant power supplies, make sure to connect 2 power cords from 2 different AC circuits to each power supply.

For Remote access, connect an ethernet cable to the Bottom ethernet port on the library **2**.



## Power on the Library

**1** Power on the library by pressing the power button on the Base Module just below the OCP; the green light will illuminate. When the library is powered on, it inventories the tape cartridges in the magazines, checks the firmware version on all modules, configures the tape drives, confirms the presence of the existing modules, and searches for any new modules.

**2** Start the Initial Configuration Wizard from the OCP. The wizard will guide you through configuring the basic network configuration, date and time, and setting the administrator PIN. You can skip items and stop the wizard at any time. Once you have configured the network settings, we recommend that you initiate the wizard from the RMI to complete the configuration. For Login to the RMI use the default Administrator Password “adm001”

For more detailed instructions and information on your Q40 Library system, please refer to the Q40 Installation and Operations manual.

The manual is available online at:

<https://www.qualstar.com/qsr-manuals/Q40-Install-and-Ops-Manual.pdf>



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