# Quantum®

# Scalar Ship in Rack (SIR) Installation Guide

This guide provides hardware installation and initial system configuration instructions for the Quantum Scalar Ship in Rack (SIR) system.

**Before You Begin:**

Review the following information before you begin a Scalar SIR Installation:

- Scalar SIR installation requires a minimum of two people.

- The shipping crate contains sharp and rough edges. Quantum recommends wearing gloves during the installation.

- Installation requires a 13 mm (1/2 inch) socket wrench and a diagonal cutter.

- Place all removed hardware into the accompanying bag. Place this bag inside the crate cubby hole.

- When installation is complete, return the crate to Quantum.

## Contents

# Unpack the Library

1. Place the shipping crate so that the front ramp and rear access panel are accessible. You must also have sufficient room to roll out the Scalar library rack from the shipping crate.

**Figure 1:** Shipping Crate - Front View



| Item | Description |
| --- | --- |
| 1 | Front Ramp |

**Figure 2:** Shipping Crate - Rear View



| Item | Description |
|------|-------------|
| 1 | Rear Access Panel |
| 2 | Hand Straps |

2. Using a diagonal cutter, remove the security seals. The security seals are wired and attached to one latch in each corner of the crate (4 total).

**Figure 3:** Security Seal



| Item | Description |
|------|-------------|
| 1 | Crate Latch |
| 2 | Security Seal |

3. Using a 13 mm (1/2 inch) socket wrench, remove the two front door and two rear door bolts.

**Figure 4:** Front Door Bolts

**Figure 5:** Rear Door Bolts



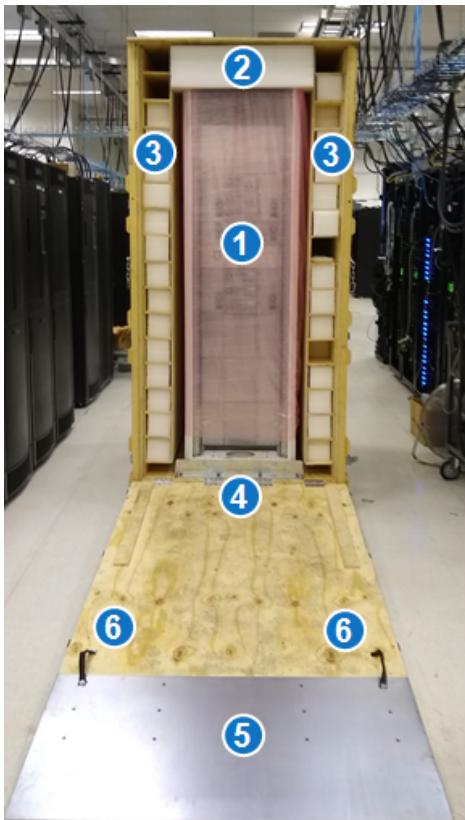| Item | Description |
|------|-------------|
| 1 | Front Door Bolts |
| 2 | Rear Door Bolts |

4. Slowly lower the ramp. There are two safety chains inside the ramp. Unhook the safety chains to continue lowering the ramp.

⚠ **Caution:** The front ramp is hinged, but it is heavy. Lifting straps are located on the inside of the front door to assist with lowering the door.

**Figure 6:** Safety Chains



**Figure 7:** Front Crate - Ramp Down

| Item | Description | Item | Description |
|------|-------------|------|-------------|
| 1 | Scalar Library | 4 | Front Shipping Bracket |
| 2 | Foam Packaging | 5 | Front Ramp |
| 3 | Scalar Magazines | 6 | Lifting Straps |

5. Unlatch the six rear latches and remove the rear access panel using the two hand straps provided on the panel.

**WARNING:** The access panel is not hinged and requires two people to safely remove.

**Note:** Your library configuration may be different from the image below.

**Figure 8:** Rear Crate - Access Panel Removed
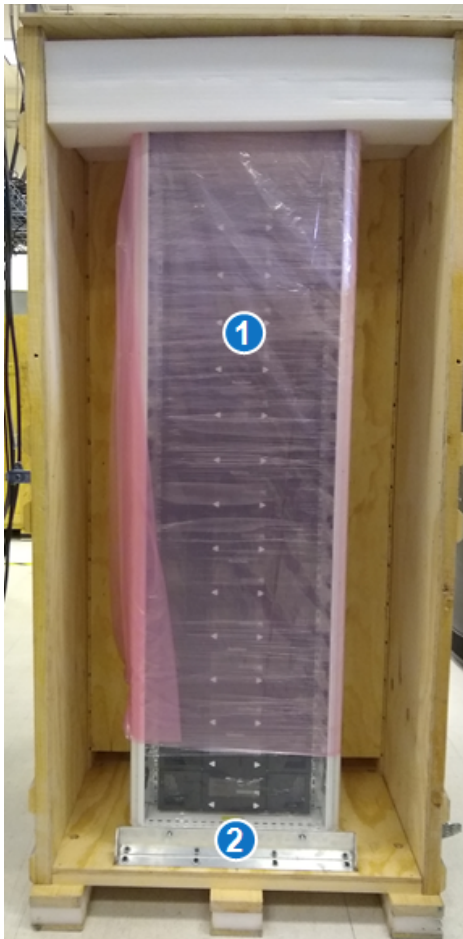
| Item | Description |
|------|-------------|
| 1 | Scalar i6 Library |
| 2 | Rear Shipping Bracket |

6. Once the front ramp has been lowered and the rear access panel removed, inspect the library rack for any apparent damage.

   Check the shock and tilt indicator, located on the outside of the crate. If the shock or tilt indicator were triggered during shipping, please contact Quantum.
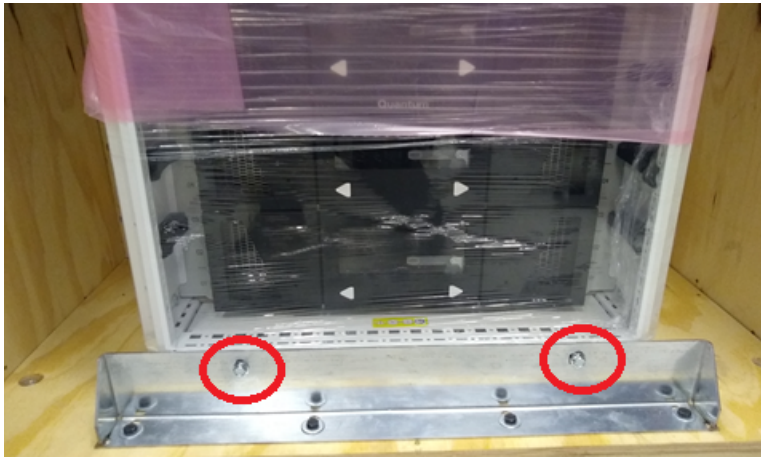
**Figure 9:** Shock Indicator



**Figure 10:** Tilt Indicator



7. Using a 13 mm (1/2 inch) socket wrench, remove the two bolts that secure the rear of the library to the shipping bracket.

**Figure 11:** Rear Shipping Bracket



8. Place the two bolts in the bag placed in the lower front right of the crate. The bolts will be returned with the crate.

9. Using a 13 mm ( 1/2 inch) socket wrench, remove the two bolts that secure the front of the library rack to the shipping bracket. Then remove the four bolts that attach the front shipping bracket to the crate.

**Figure 12:** Front Shipping Bracket



10. Place the six bolts in the bag placed in the lower front right of the crate. The bolts will be returned with the crate.

11. Place the front shipping bracket in the lower front right of the crate. The bracket will be returned with the crate.

12. With one person pushing from the back, and one person guiding from the front, carefully roll the library out of the crate.

13. Remove the plastic sleeve from the library.
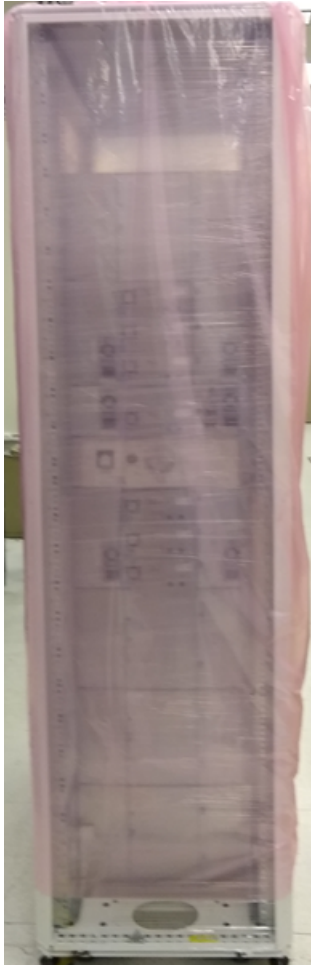


14. Remove the shrink wrap from the library. Inspect the library for any damage.

> ℹ **Note:** Your library configuration may be different from the image below.
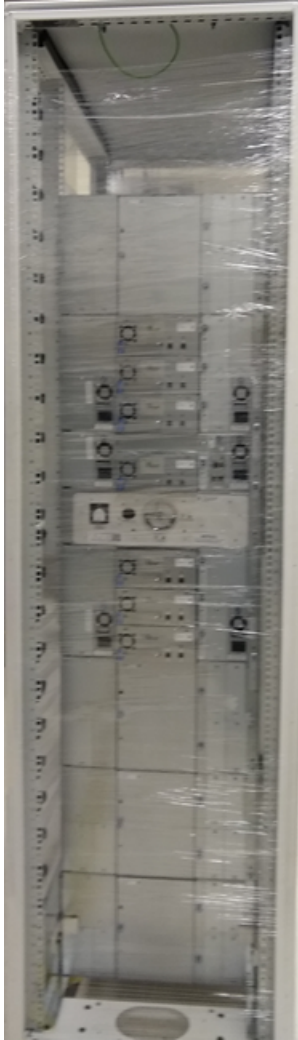
15. Move the library rack to its final location.

16. Remove the magazines from the cubicles in the crate. Set them aside until they are installed into the library.

# Install the Library

1. Remove the magazines from the bubble wrap. Place the bubble wrap back in the crate cubicles to return to Quantum.

**Figure 13:** Bubble Wrap in Cubicles



2. Load the magazines into the library rack.

> ℹ **Note:** Magazines are side specific. Left magazines will not fit in right magazine slots. Right magazines will not fit in left magazine slots.

> ℹ **Note:** Your library configuration and rack option may be different from the image below.

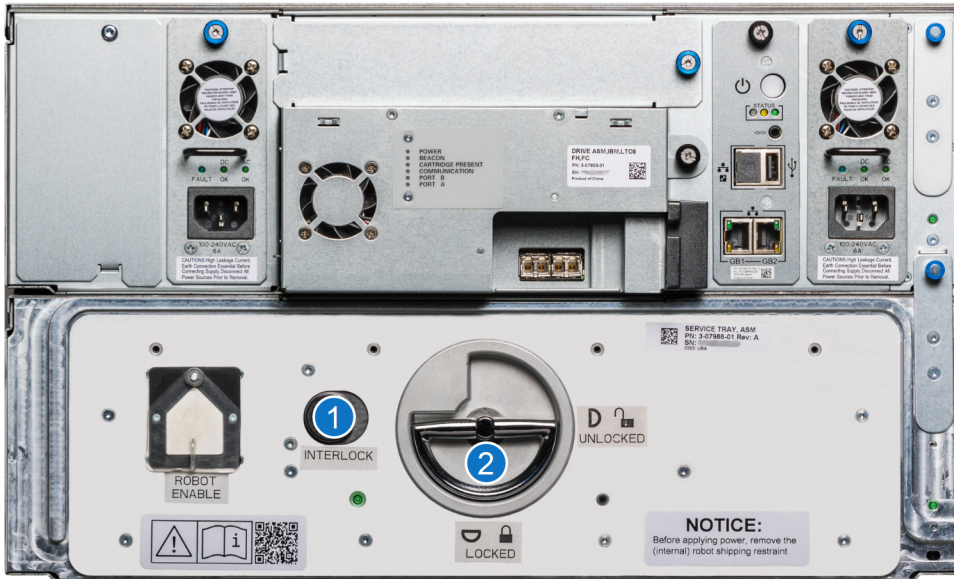**Figure 14:** Library - Loaded Magazines



3. Inspect all data and power cords on the rear of the library. Ensure data and power cords are well seated.

**Figure 15:** Inspect All Cables and Power Cords



4. Remove the robot restraint from the Control Service Module Tray.



| Item | Description |
|------|-------------|
| 1 | Interlock Button |
| 2 | Service Tray Release Latch |

a. To unlock the Service Tray from the Control Service Module, push the Interlock button and rotate the Service Tray Release Latch 90 degrees counter clockwise.

b. Pull on the Service Tray Release Latch to remove the Service Tray from the Control Service Module.
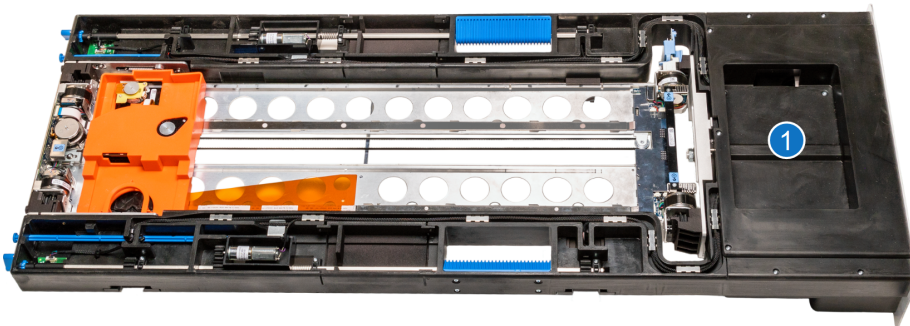
c. Remove the Robot Shipping Restraint.

**Figure 16:** Robot Shipping Restraint
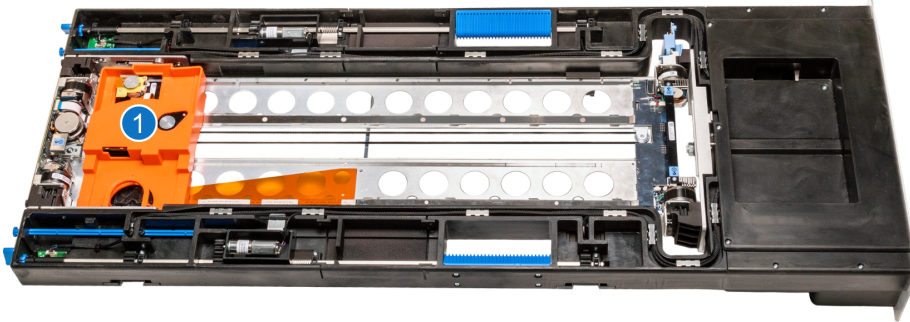


| Item | Description |
|------|-------------|
| 1 | Robot Shipping Restraint |

d.  Place the Robot Shipping Restraint into the Service Tray storage compartment.

**Figure 17:** Service Tray - Store Robot Shipping Restraint



| Item | Description |
|------|-------------|
| 1 | Robot Shipping Restraint Storage |

e.  Position the robot towards the rear of the Service Tray to avoid catching the ribbon cable when inserting the tray back into the Control Service Module.

**Figure 18:** Position Robot to Rear
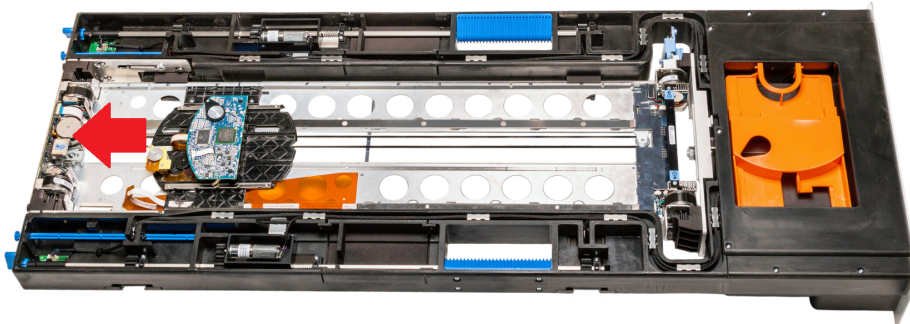


Slide the Service Tray back into the Control Service Module.

    f. Rotate the Service Tray Release Latch 90 degrees clockwise. You will hear a click when the Service Tray is locked into position.

    g. Fold the Service Tray Release Latch down.

5. Connect the library rack to your network.

6. Connect the power cables to a power supply. The library will power on and begin to initialize.

7. Once the library has initialized, go to the **Network** menu option in the **Local User Interface (LUI**) on the front of the library to access the system IP Address.

**Figure 19:** Local User Interface (LUI)



| Item | Description |
| --- | --- |
| 1 | Local User Interface (LUI) |

8. Type the IP Address into a web browser to log on to the library. Scalar i6 does not support the Internet Explorer browser.

The default log on is:

| | |
|---|---|
| **User Name** | admin |
| **Password** | password |

**Figure 20:** Scalar Library Log On

# Return the Crate to Quantum

Once installation is complete, you will need to return the crate to Quantum. Do the following:

1. Place all the following packing material into the crate.



2. Close up the crate:

   a. Raise and latch the front ramp.

   b. Reinstall and latch the rear access panel.

   c. Using a 13 mm (1/2 inch) socket wrench, re-install the two front door and two rear door bolts.

3. Follow the attached instructions for arranging return shipment to Quantum.

**Quantum Contact Information**

When the crate is ready to return to Quantum, please contact the Quantum Logistics team with following information:

- Pick up company name and address
- Contact name and phone number
- Quantum sales order number
- Office hours of pick up location

**Quantum Logistics Team**

Email: DL-USDomesticCorporateLogistics@Quantum.Com

# Contacting Quantum

For further assistance, contact the Quantum Customer Support Center:

| Region | Support Contact |
| --- | --- |
| North America | 1-800-284-5101 (toll free) |
| | +1-720-249-5700 |
| EMEA | +800-7826-8888 (toll free) |
| | +49 6131 324 185 |
| Asia Pacific | +800-7826-8887 (toll free) |
| | +603-7953-3010 |

For worldwide support:

https://www.quantum.com/serviceandsupport/get-help/index.aspx#contact-support

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