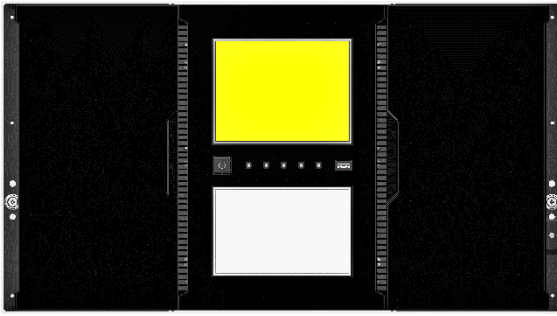


NEOxl 80 6U Tape Library Base Module Quick Start Guide

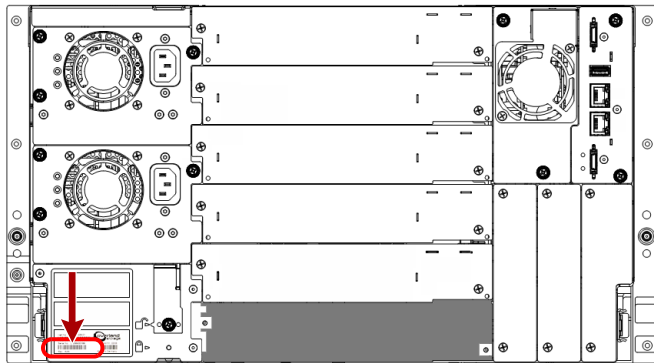


This document describes how to install a NEOxl 80 6U Tape Library Base Module. Expansion Modules can be added to the Base Module to enhance the system.

Step 1

It is **essential** that you activate your warranty. Technical and warranty support are **not available** until the warranty is active.

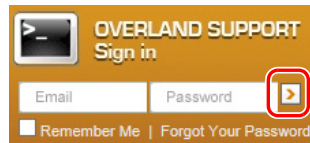
The serial number is located at the rear of the module on the bottom left cover.



Module Registration

For an **existing customer**:

1. Go to <http://support.overlandstorage.com/> support page.
2. Enter your **e-mail address** and **password** in the appropriate fields, and then press **Enter** or click the right arrow (>).
3. At the Support Home page, click **Register New**.
4. Enter the requested information and click **Submit**.



Your warranty certificate will be emailed to you. Follow the instructions in the email to complete the process.

For a **new customer**:

1. Go to the **New User Registration** page and follow the instructions.
2. You'll receive a confirmation e-mail from Overland with instructions on how to complete the process.

Step 2

WARNING: Due to the weight of the module, it is recommended that at least two people be used to lift the module out of the box to prevent injury.

WARNUNG: Um Verletzungen zu vermeiden, empfehlen wir aufgrund des Gewichts des Moduls, dass mindestens zwei Personen das Modul aus der Verpackung heben.

AVERTISSEMENT: En raison du poids du module, il est recommandé d'utiliser deux personnes au moins pour soulever l' module hors de la boîte pour éviter les blessures.

NOTE: If the temperature in the room where the module will be installed varies by 15° C (30° F) from the room where the boxed module was stored, allow it to acclimate to the surrounding environment for at least 12 hours before unpacking it.

1. Using two people, remove the **module** from its box and set it on a secure surface.
2. Remove and save the **packaging materials and tape** from the Base Module.

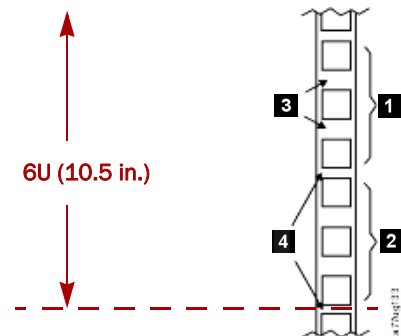
Step 3

A NEOxl 80 6U Base Module comes with a rack kit for easy installation and securing of the module into a 19-inch (EIA-310) rack.

IMPORTANT: Two-post telco-style or other racks less than 29 inches in depth will **NOT** support these modules.

Install the Rack Rails

1. Determine the location in your rack for your Base Module to be installed and, using a pencil, mark the **location** on each vertical rail in your rack.

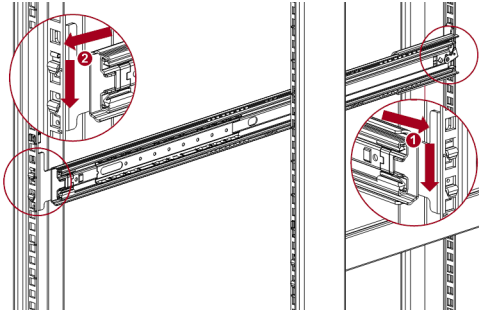


- 1 & 2 Each EIA unit (1U) starts at a narrow gap and has three holes and two wide gaps above it
- 3 Wide Gaps within the EIA unit
- 4 Narrow Gaps between EIA units

It is recommended to start at the lowest position of the rack for stability. The bottom mark should be at the lowest narrow gap in that position.

NOTE: The library requires 6U (10.5 in.) of rack space.

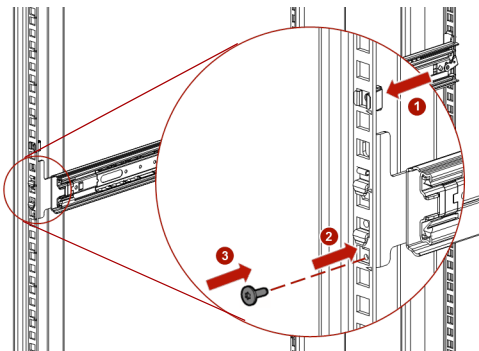
2. From the front of the rack, insert the **rack rails** into the back and then front vertical supports.
 - a. Position a rail according to the **orientation information** stamped on the rail.



- b. Rotate the front of the rail up while inserting the **rear rail hanger** into the rear vertical support, and then lower the front of the rail until it is nearly level.
 - c. Extend the front of the rail until the **hangers** come through the holes in the vertical support and the retention spring snaps into place.
 - d. Repeat **Steps a–c** the **other rail**.

NOTE: The rails must be fastened with the bottom of the each rail parallel to floor and at the same level.

3. On the front of both rails in a square-hole lock, install a **clip nut** above the mounting bracket as shown (1).



4. For increased stability, install the supplied **retention inserts** (3).

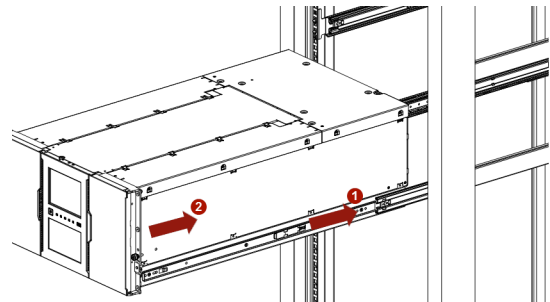
Insert the Module in the Rack

WARNING: To avoid injury, it is recommended that a mechanical lifter (or at least two people) be used for rack installation or removal. Use care during rack installation or removal to avoid accidentally tilting or tipping the rack, causing damage or personal injury.

WARNING: Um Verletzungen zu vermeiden, empfehlen wir zur Rack-Installation oder -Deinstallation die Nutzung einer mechanischen Hebehilfe (oder mindestens zwei Personen). Seien Sie vorsichtig bei der Rack-Installation oder -Entnahme, um ein versehentliches Kippen des Racks zu vermeiden und das Rack nicht zu beschädigen bzw. sich selbst zu verletzen.

AVERTISSEMENT: Afin d'éviter des blessures pendant l'installation, il est recommandé d'utiliser un monte-charge (ou au moins deux personnes) pour élever ou aligner l'module. Faites attention lorsque vous insérez ou retirez l'module d'un support, pour empêcher le déversement accidentel de la crémaillère causant des dommages et des blessures.

1. Extend the **middle rails** until they lock into place.
2. Move the **sliding assembly** to the front of the middle rails.
3. Using the mechanical lifter, position the **library** in front of the rack, aligned with the extended rails.
4. Slide the library onto the **middle rails** (1) and into the rack until it stops (2).
5. Secure it to the rack with the **captive screws** on the front of the library.



Step 4

WARNING: To reduce the risk of electric shock or damage to equipment, always remove any power cords while working with the unit.

WARNING: Um das Risiko eines elektrischen Schlags oder Schäden am Gerät zu vermeiden, ziehen Sie stets den Netzstecker, bevor Sie an der Einheit arbeiten.

AVERTISSEMENT: Pour réduire le risque de choc électrique ou endommagement de l'équipement, retirez toujours les cordons électriques en travaillant avec l'appareil.

The NEOxl 80 6U tape libraries are expandable and accept add-on components to enhance performance:

- The Base Module comes without tape drives. Tape drives are always installed in the module from the bottom bay up.
- Expansion Modules can be added to the library stack of modules and should be installed in the rack with the Base Module before cabling.

IMPORTANT: Follow the component instructions included with each item to be sure they are installed correctly.

Step 5

All cabling, power connections, and cooling are located on the rear panels.

1. Attach one end of the **host interface cable** to the Base Module:

- For a Serial Attached SCSI (SAS) connected module, attach one end of the **SAS cable** to Port A SAS HBA (top) on the SAS drive.

If you are using a SAS fanout/hydra cable, attach one mini-SAS connector into the connector on each tape drive. The unused ends of the SAS fanout cable are single channel and not suitable for use with disk arrays. Use the other ends to connect tape drives, or coil and secure them to the rack to minimize stress on the connectors.

- For a Fibre Channel (FC) module, attach one end of the **fibre cable** to Port A (top) connector on the FC drive, removing the cap if necessary.

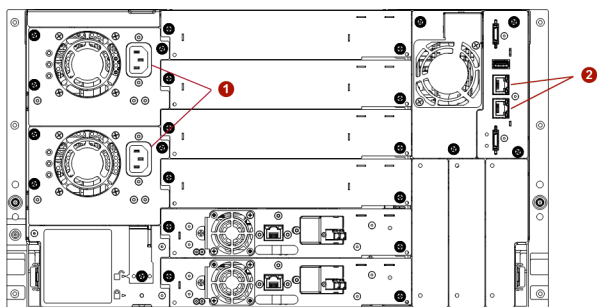
2. Attach the **other end** of the host interface cable as follows:

- For a SAS module, connect the **host interface cable** to the host HBA. Unused SAS connectors do not need termination.

If you are using a SAS fanout/hydra cable, the end of the cable with only one connector should be plugged into the HBA.

- For a Fibre Channel module, connect the **fibre cable** to the host or to a switch.

3. Plug the **network Ethernet (management) cable** into the Ethernet port (2) on the rear panel of the Base Module.



NOTE: If the Ethernet connection is directly attached to a server or laptop, a crossover Ethernet cable may be required. It is the customer's responsibility to supply the crossover cable if one is required.

4. Plug the **power cable** into the power connector (1) on each Power Supply Module and into power outlets.

NOTE: The library has dual redundant power supplies. To increase redundancy, plug each power cord into a different AC power circuit.

5. Power on the library from the Base Module front panel by pressing and holding down the power button for

three (3) seconds until the green light on the front panel illuminates indicating the status is **Ready**.

Step 6

The library can be operated using either the Operator Control Panel (OCP) on the front of the device or remotely using the Remote Management Unit (RMU) web interface.

Power On the Library for the First Time

1. Power on the library by pressing the **power button** on the base module just below the OCP; the green light illuminates.

When first powered on, the library inventories the tape cartridges, 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. At the IP address warning that appears in the OCP, select a IP range from the drop-down list that is not used by your network, and then press **Set and Proceed**.

Library will then reboot. After rebooting, the login screen appears in the OCP.

3. At the login prompt, choose **Administrator** (no password) and press **Login**.

The library displays a message indicating that the library has no default partition.

4. Press **OK** and the library displays **Initial Configuration** default screen.

5. Press Next to start the **Initial Configuration Wizard**.

The wizard will guide you through configuring the time zone, date and time, and network settings, setting the administrator password, and then start an initial system test. You can skip items and stop the wizard at any time.

6. Once you have configured the network settings and set the administrator password, run the **wizard** in the RMU to complete the remaining configurations.

7. Verify the **host connection**.

Label and Load Tape Cartridges

While the library will power on without cartridges, cartridges are needed before performing data read and write operations, or any tests or operations that transfer cartridges. Bar code labels are recommended in production environments to improve inventory time in the library and ease cartridge handling processes outside the library.

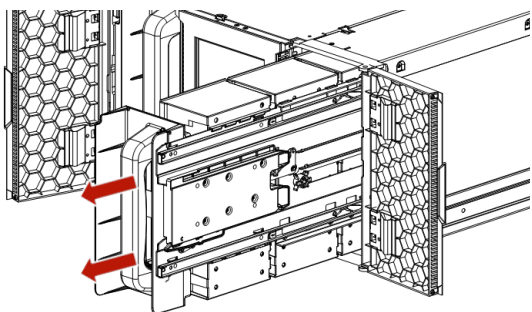
The two ways to load cartridges into the library:

- Using Mailslot Magazine for Loading** – If the mail slot is enabled, you can use it to load cartridges into the library. On the **Home** screen, tap **Open Mailslot**, open the magazine access door, and then pull the mailslot out for loading.

- Using Bulk Loading Magazines for Loading** – Extend one or more of the tape magazines from the library for loading.

Load **cartridges** into the library by bulk using the magazines.

1. From the OCP or RMU, select the module and then select **Open Magazine**.
2. Open the magazine **access door** and pull out the magazine.



3. Load the **tape cartridges** into the magazine starting with the back of the magazine, pushing the magazine in the library slightly as each bin is filled.
4. Push the **magazine handle** in slowly until the magazine release latch snaps into place, locking it.
5. Repeat **Steps 1–4** for each of the **other magazines**.

Refer to the *NEOxl 80 Tape Library Administrator's Guide* for details.

Step 7

Confirm Your Library Firmware Version

Before using your new library, it is highly recommended that you verify it is running the latest library firmware version:

1. At the **Startup Screen**, make a note of the firmware version.
The library firmware revision is displayed in the top left corner of the OCP and RMU screens.
2. Go to the Overland-Tandberg **Downloads and Resources** site:
<http://docs.overlandstorage.com/neo>
3. Under Downloads/NEO Series Firmware, click the **link** for the library.
4. At the FTP site, if newer firmware is shown, download the **firmware** and **Release Notes**.
5. Update the firmware from the OCP or RMU using the **Maintenance > Software Upgrades > System Firmware** screen.

Confirm Your Tape Drive Firmware

Refer to the installation instructions and warnings that are packaged with your tape drive to determine if the firmware is current or needs to be updated.

If you determine that the firmware needs to be updated, follow the steps detailed in the included tape drive instructions.

Step 8

For further information regarding your product, check out the following links.

User Guide

For detailed information on configuring your NEOxl 80 6U, refer to the *NEOxl 80 Tape Library Administrator's Guide* **available online** under Resources at:

<http://docs.overlandstorage.com/neo>

More information can be accessed from the Overland-Tandberg Knowledge Base:

<https://www.overlandtandberg.com/knowledgebase/>



Warranty/Technical Support

For warranty and general technical support information, see our **Contact Us** page:

<http://www.overlandstorage.com/company/contact-us/index.aspx>



For information on contacting Overland-Tandberg technical support, go to:

<http://docs.overlandstorage.com/support>