

Add-on/Spare Library Controller Instructions

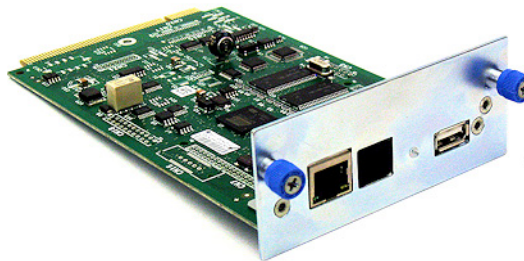
This document describes how to remove and replace a library controller in a NEO S-Series library from Overland Storage.

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

WARNUNG: 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.

CAUTION: While working with the unit, observe standard Electrostatic Discharge (ESD) precautions to prevent damage to micro-circuitry or static-sensitive devices.



Prepare the Unit

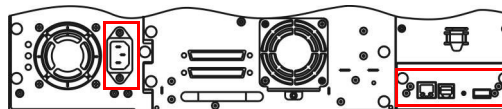
Power Off the Library

1. Verify that all host processes are **idle**.
2. Power off the library by depressing the **power button** on the front panel.



Disconnect Cables

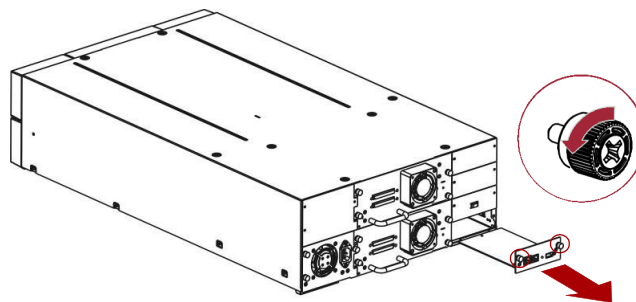
1. From the module containing the failed controller, unplug the **AC power cables**.
2. Remove the **Ethernet cables** and the **USB device** from the library controller to be replaced.



Install/Replace Library Controller

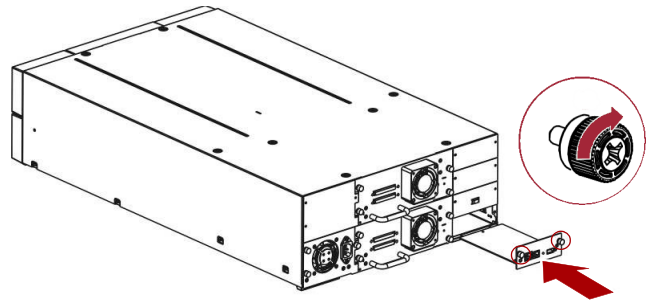
Remove the Library Controller

1. Loosen the **two blue captive thumbscrews** on the controller.
2. Using the thumbscrews, slowly remove the **controller** from the library.
3. Retain the old **controller** for return to Overland.



Install the Library Controller

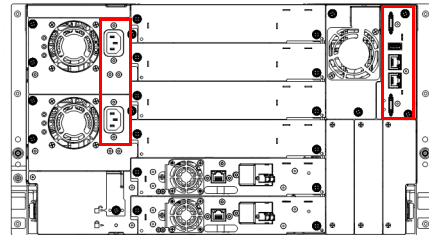
1. Position the new controller on the **alignment rails**.
2. Slide the **controller** slowly into the library until it is flush with the back panel of the library.
3. **Finger-tighten** the blue captive thumbscrews to secure it to the library.



Reassemble the Unit

Reconnect Cables

1. Reconnect the **Ethernet cables** and the **USB device**.
2. Plug in the **AC power cables**.



Power On the Library

Press the **power button** on the base module for one to two seconds.

The **green LED** is shown as the library completes its Power-on Self-test (POST).



Verify/Update the Library Firmware

Verify the Library Firmware

1. Confirm that the **library** recognizes the **new controller** by selecting **Status > Library Status**.

Check the event log to make sure any library controller events have cleared.



IMPORTANT: If you are asked whether or not to retain the serial number, always select **Yes**.

2. Use the RMI or OCP to verify that the library controller has the current **firmware**.
 - If the firmware is current, proceed to Return Old Parts to Overland.
 - If the firmware needs to be updated, proceed to Update the System Firmware.

OCP

```
Startup
Firmware Rev: 0.60
Drives:      2
Magazines:   2
Mailslot:
Busy Rand
```

Update the System Firmware

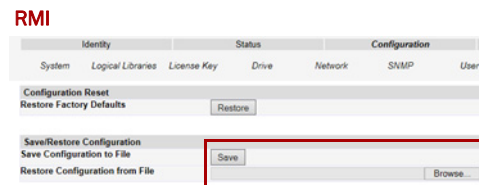
1. Download the latest firmware from:
ftp://ftp.overlandstorage.com/Firmware/Neo_Series/Neo-XL/
2. Load the firmware file on a **USB stick**.
3. Attach the **USB stick** to the port on the back panel.
4. Use the OCP or RMI to upload the firmware upgrade.
 - From OCP, select **Main Menu > Service > Service Library > FW Upgrade by USB**.
 - From RMI, select **Service > Firmware > Upgrade Library Firmware > Upgrade**.
5. Click **Browse** to select the firmware file.
6. Click **Upload**.
7. Once the update is complete, **verify** the firmware version.



Restore the Configuration File

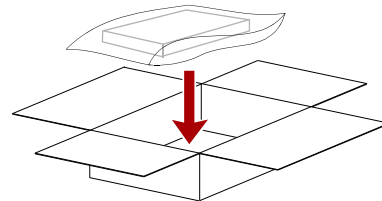
To complete installation of the new library controller, restore the library configuration file:

1. Select **Configuration > System > Save/Restore Configuration**.
2. Select **Restore Configuration File**.
3. **Browse** and select the configuration file.
4. Click **Upload File & Restore**.



Return Old Parts to Overland

1. Place the **old part** in the anti-static bag and put it in the replacement part's box.
2. Use the existing **packing material** to secure it in the box.
3. Use an RMA to return the part to **Overland Storage**.
For return shipping details and RMA number, go to:
<http://docs.overlandstorage.com/return-instructions>.



<http://support.overlandstorage.com>

You can get additional technical support on the Internet at the [Overland Storage Support web page](http://support.overlandstorage.com), or by contacting Overland Storage using the information found on the [Contact Us](#) page on our web site.