# Add-on/Spare Disk Drive Instructions

This document describes how to add new disk drives to or remove and replace an existing disk drive in a SnapServer DX1 or DX2 from Overland Storage. Disks are hot-swappable.

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

➡ **IMPORTANT:** Because of the SnapServer hot-swap feature, it is not necessary to power down the unit to swap out this part.
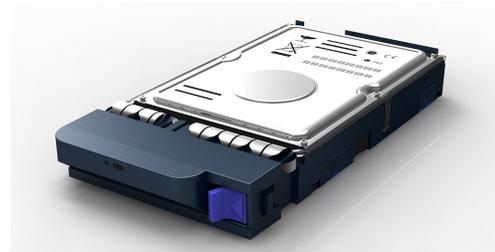
Register the Add-on Drives

NOTE: If you are only replacing an existing drive, skip to the next section, "Prepare the Unit."

When **adding** new drives to your server, you must first register them to activate their warranty. This is normally done at the same time as you register your server. Technical and warranty support are **not available** until this is done:

1. Go to the **Overland Storage** website (http://www.overlandstorage.com/).
2. Select **Service & Support > My Products**.
3. At the Site Login, enter your **e-mail address** and **password**, and click **GO**.
4. Click the **Manage Products** button.
5. From the Product Selector drop-down list, select the **unit** in which you are installing the extra drives.
6. Click **Add a Component**.
7. Enter the drive **information**.
8. For each **additional** drive, click **Save & Add Another**, then repeat Step 7.
9. When ALL disk drives are registered, click **Save & Exit**.

➡ **IMPORTANT:** Your warranty certificate will be emailed to you. Follow the instructions included in the email to complete the registration process.

Prepare the Unit

NOTE: If you are installing drives into a new SnapServer, skip to the section "Remove the Drives/Blanks."

Remove the Bezel

On an installed SnapServer DX appliance, carefully take hold of the front bezel and pull straight out from the appliance until the magnets release. Set it aside.

Remove the Drives/Blanks

NOTE: Do not remove the disk drives from their carriers. Doing so voids the drive warranty.

This process applies to both drive assemblies and blanks:

1. Press the release **button** on the right side of the carrier.
2. Using the scoop **handle**, pull the assembly out.
3. Set the **assembly** on an ESD-safe surface.
4. Repeat Steps 1–3 for **each** remaining carrier.

DX1   Press
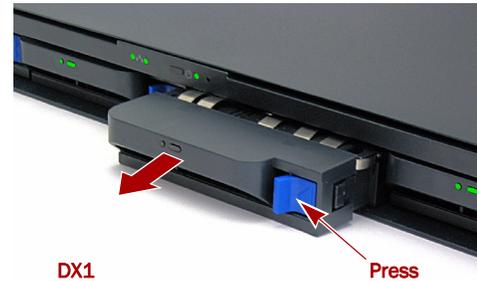
Install New Drives

With the SnapServer in the rack, install the drives as follows:

1. Position a **drive assembly** in front of an empty **slot**.
2. Slide the assembly in until the **latch** clicks, locking it in the slot.
3. Repeat Steps 1–2 for **all** remaining drive carriers.

DX2

➡ **IMPORTANT:** To maintain proper airflow and cooling, a drive assembly or a blank drive carrier must be installed in *every* slot. No empty slots are allowed.

Attach the Bezel

1. Position the **bezel** with the with the bezel tabs aligned inside the top and bottom edges of the chassis.
2. Move the bezel toward the appliance until the **magnets** make contact.
3. Verify that the bezel is **aligned** properly and that all the LEDs are visible. On the DX2, the Power panel should also be fully visible.

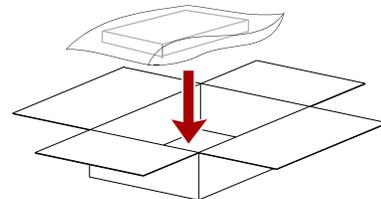Magnet   Edge Tabs

Return Old Parts to Overland

If this was the replacement of one or more existing drives, follow these steps:

1. Place the **old parts** in the anti-static bags and put them in the replacement part's box.
2. 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

Activate New Drives

For details on activating any new drives, refer to the *SnapServer Administrator's Guide For GuardianOS 7* on replacing disk drives in the Disks and Units section of Chapter 6.

That section covers both DynamicRAID and Traditional RAID configurations.