Avid

MediaDock™ Ultra320

SCSI Bus Configuration Module and ES Module Upgrade Instructions

Important Information

Avid® recommends that you read all the information in these instructions thoroughly before removing and installing your upgraded modules. Use these instructions in conjunction with the *Avid MediaDock Ultra 320 Setup and User's Guide* that ships with your enclosure.

Make sure you save the packaging used to ship the upgrade parts to you so that you can return the old parts. The removed parts must be returned within 30 days. If the removed parts are not returned within 30 days, Avid will bill you for them. This kit contains a label on where to return the removed parts.

Contents

Symbols and Conventions

Release notes use the following symbols and conventions:

Symbol or Convention	Meaning or Action
	A note provides important related information, reminders, recommendations, and strong suggestions.
	A caution means that a specific action you take could cause harm to your enclosure or cause you to lose data.

Preparation

In most cases it will not be necessary to remove the chassis from the rack. However, it would be helpful to remove the front mounting screws and slide the enclosure out the front of the rack about six inches. This will allow the modules to be removed from the rear of the rack.

Required Tools for replacing the modules:

- Phillips screwdriver
- Anti-static ground strap

To prepare for the upgrade:

1. Make sure the MediaDock Ultra320 chassis is turned Off.

2. Remove all cables from the rear of the unit.

To avoid static damage to your circuit boards, take the proper antistatic procedures before handling the upgrade modules.

3. Put the grounding wrist strap on and attach the grounding clip to any one of the metal thumbscrews on the rear of the MediaDock Ultra320 chassis (see Figure 1).
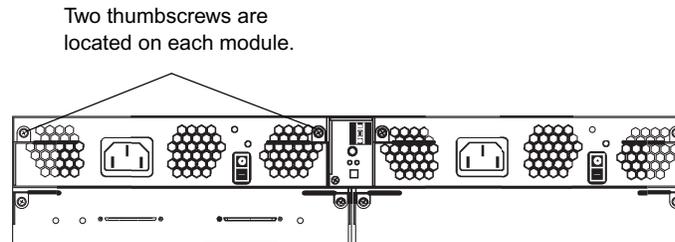
Two thumbscrews are
located on each module.

Figure 1   Connecting the Grounding Wrist Strap

⚠ **Make sure the power is off and the power cords are unplugged before removing any modules.**

Replacing the SCSI Bus Configuration Module

The MediaDock Ultra320 SCSI bus configuration module in this kit is set for single-bus mode. If you plan to work in a single-bus configuration, you do not need to reconfigure the replacement SCSI bus configuration module. If you need a dual-bus configuration, see "Configuring the SCSI Bus Configuration Module" in the *Avid MediaDock Ultra320 Setup and User's Guide*.

⚠ **If you want a dual-bus configuration, you must reconfigure the SCSI bus configuration module before installing it in the MediaDock Ultra320.**

To remove and replace the SCSI bus configuration module:

1. Using a Phillips screwdriver, loosen the two thumbscrews attached to the SCSI bus configuration module on the rear of the MediaDock Ultra320 enclosure (see Figure 2).

📖 *The SCSI bus configuration module is the module with a plain face cover (no connectors or LEDs). This module might be located on either the lower-left or lower-right side.*

2. Push the cam levers down to eject the module and pull it out of the enclosure (see Figure 2).

Thumbscrews

Cam levels

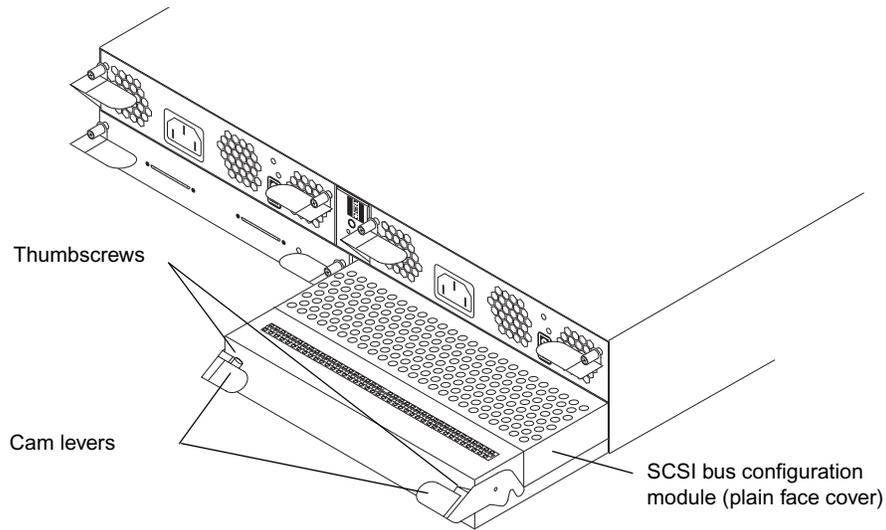SCSI bus configuration module (plain face cover)

Figure 2   Removing the SCSI Bus Configuration Module

3. Slowly insert the replacement SCSI bus configuration module completely into the MediaDock Ultra320 enclosure. Lift the two cam levers to draw the module into the enclosure.

⚠ **Do not slam or force the module into the enclosure, or damage might result.**

4. Once you have placed the module in the enclosure and with the cam levers lifted, firmly press the SCSI bus configuration module into the enclosure to ensure that the connectors are properly seated.

5. Using a Phillips screwdriver, tighten the two thumbscrews to secure the SCSI bus configuration module in the enclosure.

6. Pack the removed SCSI bus configuration module in the packing sent with the replacement SCSI bus configuration module and return it to Avid.

Replacing the ES Module

The ES module is in the center of the rear panel of the
MediaDock Ultra320. One screw secures it to the chassis (see Figure 3).

To remove and replace the ES module:

1. Using a Phillips screwdriver, loosen the thumbscrew attached to the ES
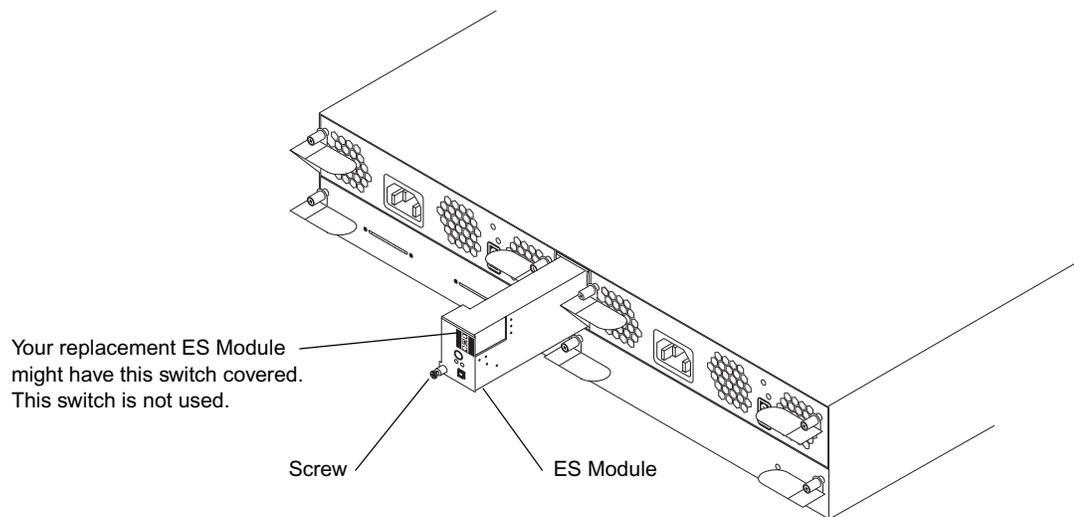   module on the rear of the MediaDock Ultra320 enclosure (see
   Figure 3).

Your replacement ES Module
might have this switch covered.
This switch is not used.

Screw   ES Module

Figure 3   ES Module Location and Screw

2. Slide the ES module out of the enclosure.

The ES module is several inches long.

3. Insert the replacement ES module in the enclosure and firmly press the
   ES module into the enclosure.

*If you have difficulty seating the ES Module, wiggle the module while
pressing it downward and to the right.*

4. Using a Phillips screwdriver, tighten the thumbscrew to secure the ES module in the enclosure.

5. Pack the removed ES module in the packing sent with the replacement ES module and return it to Avid.

Completion

To reconnect cables and secure the MediaDock Ultra320:

1. Slide the enclosure back into rack.

2. Secure the front screws holding the enclosure to the rack.

3. Reconnect both AC power cables.

4. Do one of the following to connect the SCSI cables to the enclosure:

   ▶ Single-bus mode — connect one SCSI cable to either SCSI port and tighten the thumbscrews to secure the cable to the enclosure.

⚠️ **Do not connect more than one SCSI cable to the MediaDock Ultra320 if you are in single-bus mode.**

   ▶ Dual-bus mode — connect one SCSI cable to each SCSI port and tighten the thumbscrews to secure both cables to the enclosure.

📄 *The MediaDock Ultra320 automatically terminates itself. Do not connect a terminator.*

5. Turn on both power switches on the rear of the MediaDock Ultra320 and allow 90 seconds for all of the drives to spin-up.

Technical Support Information

Most products feature a number of coverage options. **Avid Assurance** service offerings are designed to facilitate your use of Avid solutions. Service options include extended telephone coverage, automatic software maintenance, extended hardware warranty, and preferred pricing on replacement parts.

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