



Avid® MediaDock™ LVD SCSI Repeater Module

Installation Instructions

Important Information

Avid recommends that you read all the information in this document thoroughly before installing any new hardware or software release.

This document contains instructions on how to install the Avid® SCSI repeater module (SRM) in an Avid MediaDock™ LVD enclosure.

The SRM is provided (along with these installation instructions) in the Avid MediaDock LVD SRM and Doc kit.

Symbol and Conventions

This document uses the following special symbol and conventions:



A note provides important related information, reminders, recommendations, and strong suggestions.

In this document, *daisy-chained* refers to a MediaDock LVD enclosure connected in a series by one or more cables to multiple SCSI devices (such as another MediaDock LVD enclosure containing MediaDock LVD shuttles or external MediaDrive rS LVD enclosures). Transmitted signals go to the first enclosure, then to the second, and so on.

In addition, *Avid editing system* refers to the system where your Media Composer[®], Film Composer[®], Symphony[™], MCXpress[™], Avid Media Station, Avid Xpress[®], Avid | DS, or NewsCutter[®] software is installed.

Installation Guidelines

You must install the SRM in the MediaDock LVD enclosure when the following three circumstances apply together:

1. When you want to connect a MediaDock LVD enclosure to another MediaDock LVD enclosure or external MediaDrive rS LVD enclosure(s) in a daisy chained-configuration
2. Your Avid editing system contains an Ultra 160 LVD SCSI host adapter connected by cable to the MediaDock LVD enclosure
3. You have one or more Ultra 160 LVD drives configured on the SCSI bus with the LVD enclosures.

To daisy chain from a MediaDock LVD enclosure, install and configure the SRM in the first MediaDock LVD enclosure, in place of the enclosure service module (ESM).

The following sections contain information on:

- Removing the Enclosure Service Module
- Installing the SCSI Repeater Module



To daisy chain MediaDock LVD enclosures, you must also follow the guidelines and instructions provided in the Avid MediaDock LVD Setup and User's Guide. These instructions include determining the SCSI bus configuration, determining SCSI IDs, setting switches, connecting cables, and installing and removing MediaDock LVD shuttles.

Removing the Enclosure Service Module

To remove the ESM:

1. Locate the first MediaDock LVD enclosure.

This enclosure (placed in a rack-mount or tower orientation as shown in Figure 1) contains an ESM; a single, eight-slot backplane; and an I/O board.

A label on the bezel of the ESM identifies the ESM (see Figure 2).

2. Turn off the first MediaDock LVD enclosure and any other SCSI devices on the SCSI bus on which the MediaDock LVD enclosure is configured.
3. Disconnect the SCSI host adapter cable from the SCSI port connector on the ESM.

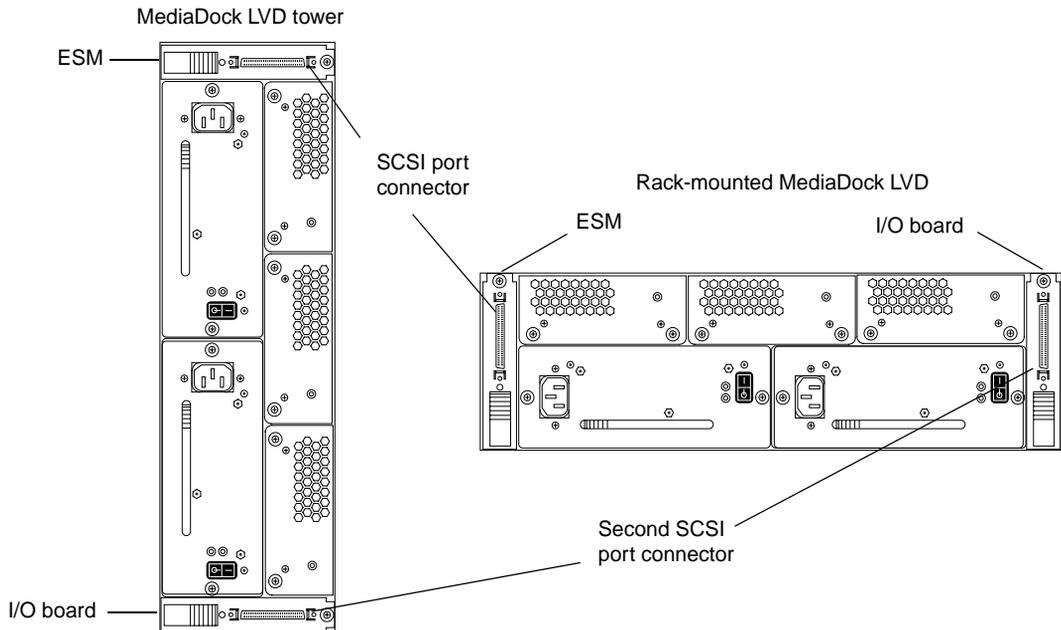


Figure 1 ESM Location

4. Loosen the thumbscrew on the ESM (see Figure 2).

5. Remove the ESM by pulling on the bezel handle until it disengages from the opening at the rear of the enclosure.

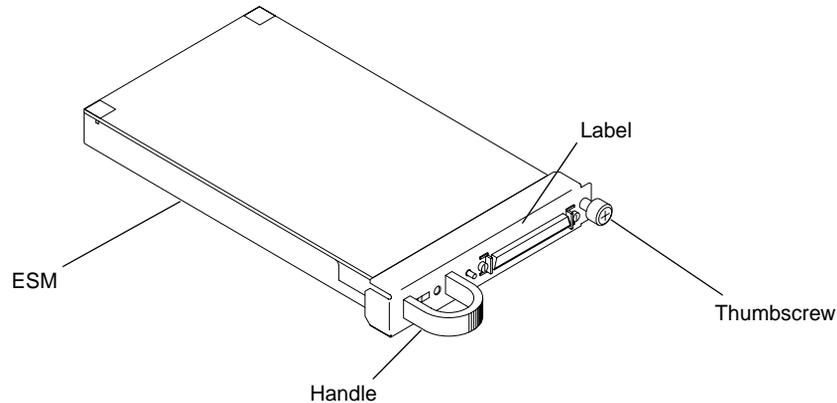


Figure 2 ESM Handle and Thumbscrew

6. Store the ESM in a secure location for possible future use.

Installing the SCSI Repeater Module

To install the SRM:

1. Carefully remove the SRM from its packaging, and verify that the jumpers on the board are in the correct position.

Verify that all jumpers have been removed by the manufacturer except for JP3 (PSU EN). This jumper should be installed.

2. Slide the SRM into the same location from which you removed the ESM. Check to make sure it is properly oriented so that the thumbscrew lines up with the screw hole in the MediaDock LVD enclosure.
3. Tighten the thumbscrew. You may need to wiggle the SRM slightly to get the screw thread to align with the hole in the enclosure.

4. Set the SRM switch to position 2. The switch is located underneath the module handle (see Figure 3).



The switch on the I/O board (at the bottom of the enclosure for tower configurations, and to the right for rack-mount configurations as shown in Figure 4) should also be in position 2 for daisy chaining from the MediaDock LVD enclosure.

For further information on correct switch settings, see the *Avid MediaDock LVD Setup and User's Guide*.

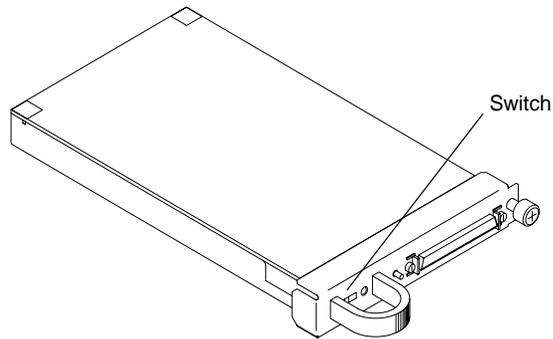


Figure 3 SRM Switch

5. Connect the SCSI host adapter cable between the Ultra 160 LVD SCSI host adapter in the Avid editing system and the SCSI port connector on the SRM (see Figure 4).

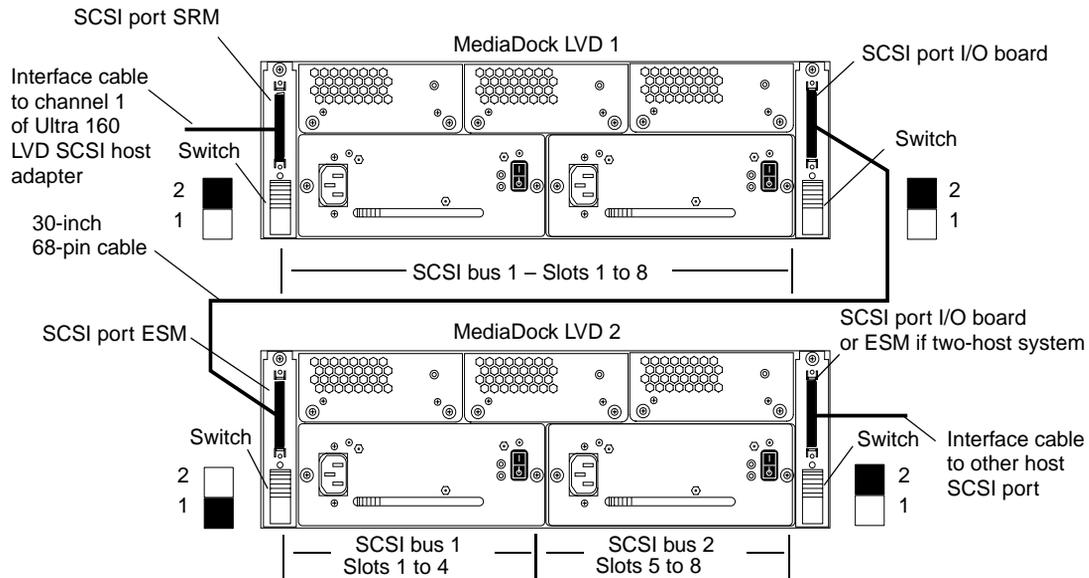


Figure 4 Configuring Two MediaDock LVD Enclosures

Figure 4 illustrates how to connect two MediaDock LVD enclosures in a daisy-chained configuration. The first MediaDock LVD enclosure has an eight-slot single bus, while the second MediaDock LVD enclosure has a dual-bus (2 x 4-slot) configuration. The eight-slot single bus connects to the four-slot SCSI bus, providing a twelve-slot SCSI bus to the Ultra 160 LVD SCSI host adapter. The remaining four slots in the second MediaDock LVD enclosure are available for connection to another host SCSI port.

6. Depending on your configuration, connect the interface cable from the I/O board on the first MediaDock LVD enclosure to either the ESM or I/O board of the second MediaDock LVD enclosure (if daisy chaining to another MediaDock LVD enclosure) or to the SCSI port connector on the first MediaDrive rS LVD enclosure (if daisy chaining to external MediaDrive rS LVD enclosures).

Make sure to tighten all cable thumbscrews.

Figure 5 illustrates how to daisy chain a MediaDock LVD enclosure to up to four external MediaDrive rS LVD enclosures.

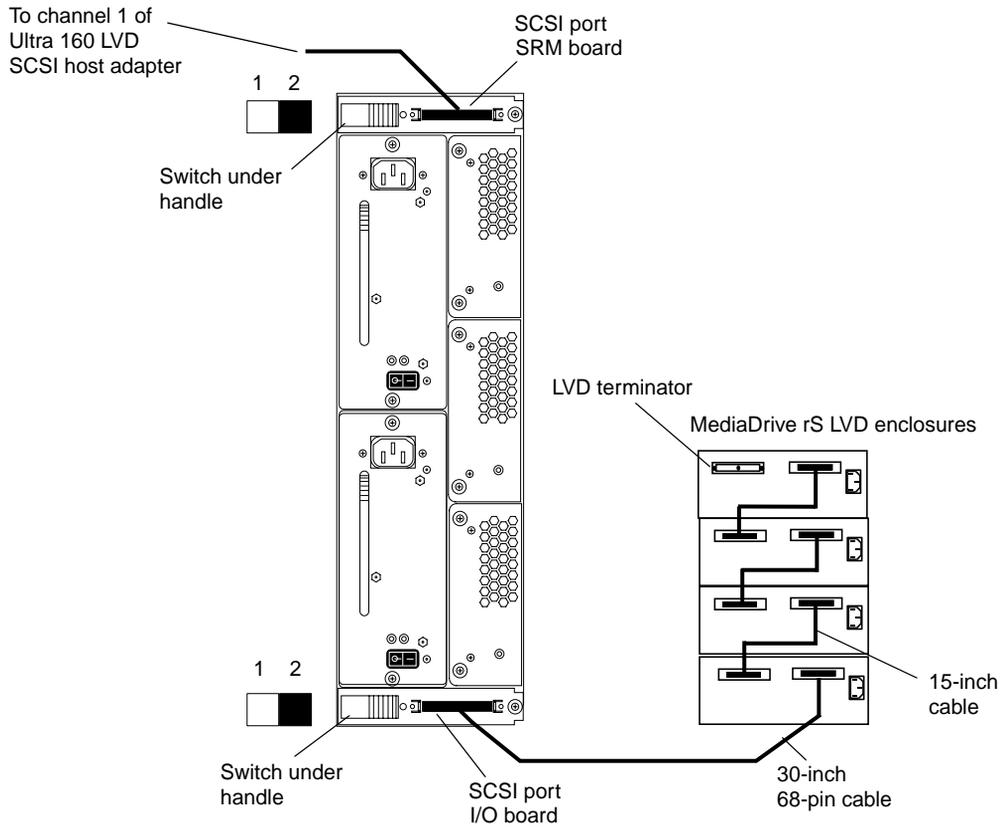


Figure 5 Daisy Chaining the MediaDock LVD Enclosure to External MediaDrive rS LVD Enclosures

7. If connecting to a second MediaDock LVD enclosure, configure the second MediaDock LVD enclosure as documented in the *Avid MediaDock LVD Setup and User's Guide* for daisy-chained and split-bus operation.

If daisy chaining a MediaDock LVD enclosure to an external MediaDrive rS LVD enclosure, see the *Avid MediaDock LVD Release Notes* and the *Avid MediaDock LVD Setup and User's Guide* to ensure you properly configure the MediaDrives and avoid SCSI I/O conflicts.

8. Turn on the LVD enclosures.

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