

About the Tape Drive

The 4mm DDS-2 tape drive is equipped with a single-ended small computer system interface (SCSI) controller and a 1-Mbyte on-drive buffer. Data is transferred at 550 Kbytes per second before the additional enhancement of data compression. The SCSI burst rate is 5 Mbytes per second. The tape rewind speed is approximately 94 ips. This SCSI device is in compliance with ANSI/ECMA DDS, DDS-DC and DDS-2 storage device format standards.

Physical Characteristics

Height	41.2 mm (1.6 in)
Width	146 mm (5.7 in)
Depth	175 mm (6.9 in)
Weight	1.1 kg (2.4 lbs)

Power Requirements

DC voltage	+12 Vdc +/-10%, +5 Vdc +/-7%
Operational current	275 milliamps, 440 milliamps

Installation

The procedure for installing this device is covered in your enclosure or system documentation.

Software Commands

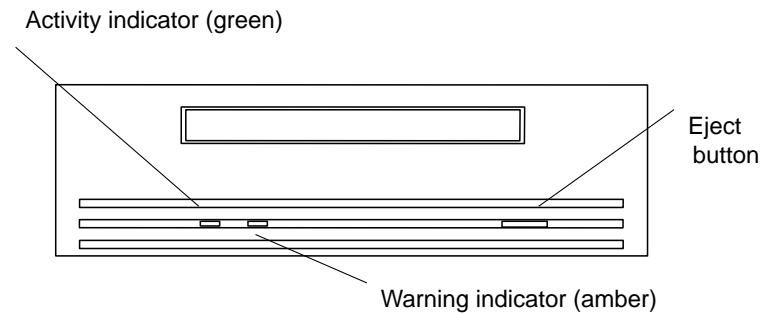
Refer to the *Solaris Handbook for SMCC Peripherals* that corresponds to your operating system, or AnswerBook™ documentation, for information about software commands.

Cleaning

When using a new tape for the first time, clean the tape drive with a DDS-approved cleaning tape cartridge after the first 4 hours of use. After that, clean the drive after every 25 hours of use to maintain reliable operation. Clean the drive up to twice as often if you use it in a particularly dusty environment or operate it infrequently.

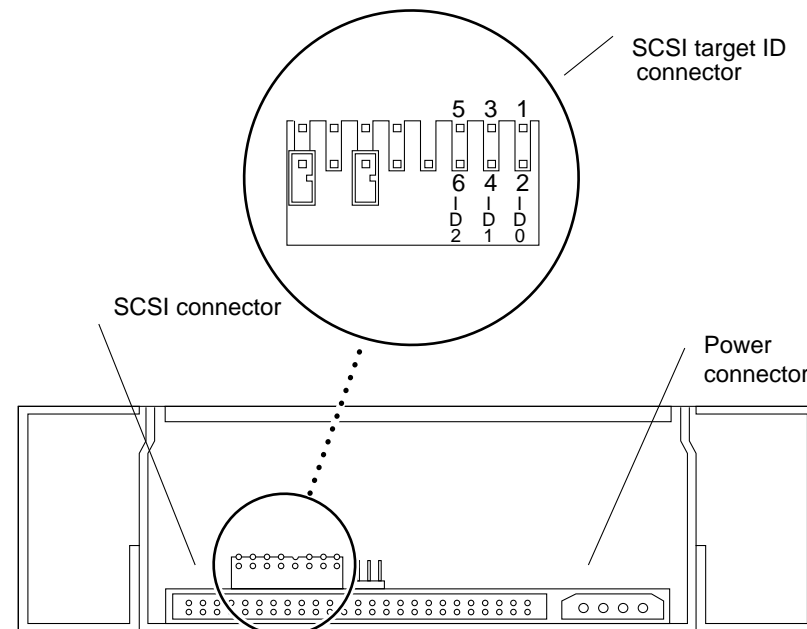
Panel Descriptions

Front Panel Controls and Indicators



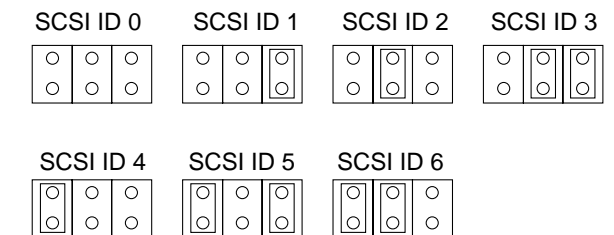
Activity indicator - Lit when a tape is in the drive, flashes during drive activity
 Warning indicator - Flashes when indicating an error
 Eject button - Used to eject the tape

Back Panel Connections



SCSI ID Jumper Settings

Refer to the *Solaris Handbook for SMCC Peripherals* to determine available SCSI target IDs. After identifying an available SCSI ID (tape drives are normally 4 or 5), configure the jumpers according to the illustration below.



Removing and Inserting Tape Cartridges

1. Check that there is no drive activity.



Caution – Check the activity indicator to ensure there is no drive activity before ejecting the tape cartridge.

2. Push the eject button and remove the tape cartridge.
3. Verify that the tape cartridge write-protect switch is set correctly. If the lock window is open, the tape is write-protected.
4. Insert the cartridge face up into the drive.
5. Push gently on the tape until the unit pulls the cartridge into the drive.

Tape Cartridge Information

This tape drive uses 4mm computer-grade tape cartridges, which have a typical storage capacity of 1.3–8 Gbytes. The cartridges do not require preformatting.

Cartridge Storage Capacity

Format	Length	Native Capacity	Compressed Capacity
DDS	60m	1.3 Gbytes	2.6 Gbytes
DDS	90m	2 Gbytes	4 Gbytes
DDS-2	120m	4 Gbytes	8 Gbytes



Caution – Never use DAT audio media. Always use computer-grade media with a DDS or DDS-2 logo.

Thermal Conditioning

To ensure proper thermal conditioning, keep the cartridge at the same temperature as the drive for 24 hours.

Handling and Storage

- Keep cartridges away from anything magnetic.
- Store cartridges in a dust-free environment.
- Keep cartridges away from direct sunlight and sources of heat, cold, or humidity. Constant room temperature and 50% humidity is best.
- Do not open the cartridge door and touch the surface of the tape.

Ordering Sun Documents

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<http://www.sun.com/sunexpress/>

To order or for more information:

Telephone: 1-800-873-7869 (North America only)

Fax: 1-800-944-0661 (North America only)

Reader Comments

Your comments and suggestions are important to us. Please let us know what you think about the *DDS-2 Tape Drive Specifications*, part number 802-7790-10.

You can send detailed comments via email to smcc-docs@sun.com, or send a fax to *SMCC Doc Feedback* at (415) 786-6443.

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4mm DDS-2 Tape Drive Specifications

