



Setup of the 1U/2U System Chassis

Note: If you are installing a second DAT 72 tape drive into a 1U system chassis, please see the other side of this poster for instructions.

If you are installing a second LTO tape drive or DAT Autoloader into a 2U system chassis, please refer to the instructions supplied with that kit.

Safety Guidelines

The 1U and 2U Tape Backup systems are suitable for use either as freestanding units or as components for installation in a rack cabinet.

CAUTION! For maximum stability, the rack cabinet should be securely bolted to the floor per the rack manufacturer's recommendations.

After installing components in the rack cabinet, do not pull out more than one component on its slide rails at a time. If the rack cabinet is not securely bolted to the floor, the weight of more than one extended component could cause the rack cabinet to become unstable, tip over and cause damage or bodily injury.

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Installing the System in a Rack Cabinet

The system chassis is shipped complete with rackmount slides and the required slide mounting hardware.

CAUTION: Do not attempt to install the system in a rack cabinet without the proper rackmount slides. Improper installation may result in damage to the system chassis, the integrated tape drives, and/or the rack cabinet.

IMPORTANT! For specific instructions for installing the rackmount slides in the rack cabinet and mounting the system to the slides, refer to the installation instructions supplied with the rackmount slides.

Cable Installation

The 1U or 2U systems are connected to the host using a Small Computer System Interface (SCSI-3) cable. The SCSI cable may be connected to either of the SCSI I/O connectors on the system back panel (See figure).

Refer to the tape drive User Guide for additional information on the SCSI interface.

If there is another SCSI device in the chain, connect that device to the available SCSI connector on the system back panel.

If additional SCSI devices are not attached to the system, a SCSI terminator must be plugged into the unused connector to properly terminate the SCSI bus. Failure to properly terminate the SCSI bus may cause functional problems.

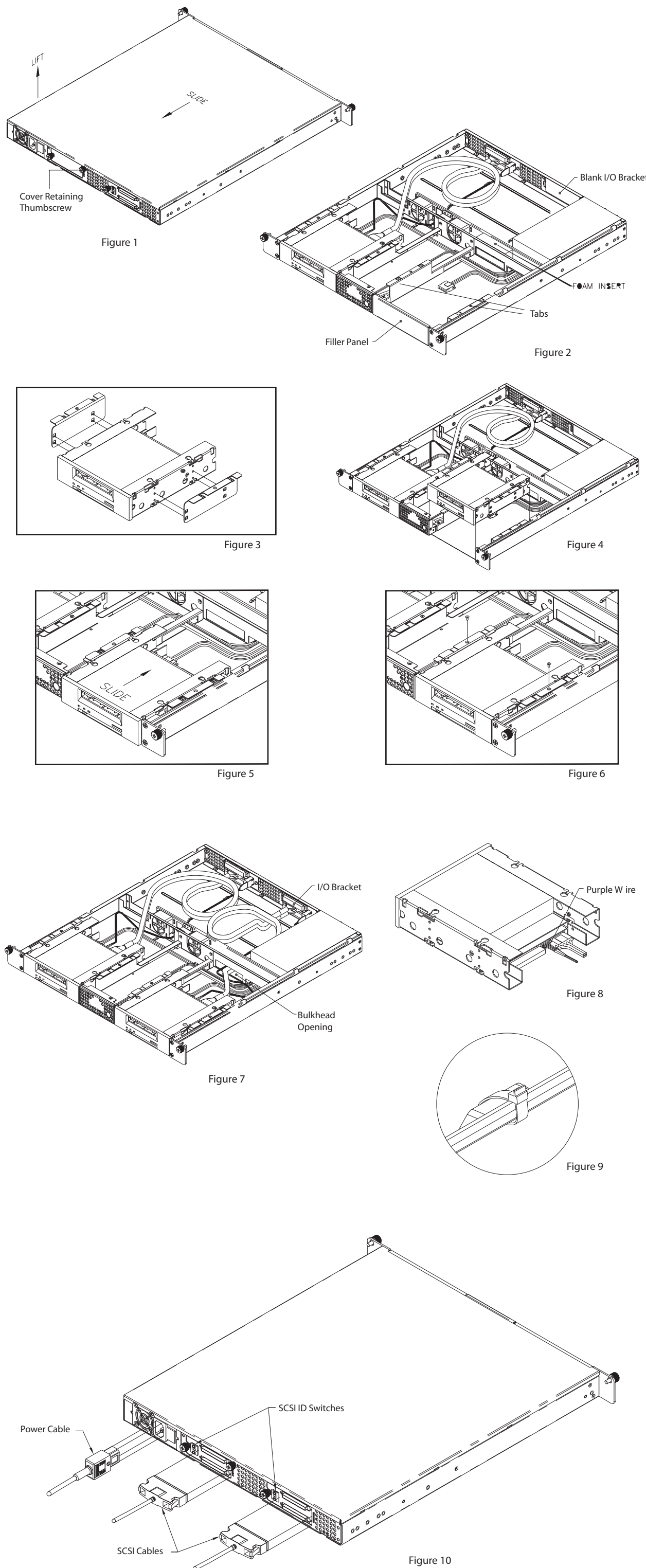
Connect the AC power cord to the power receptacle on the rear panel of the system (See figure).

SCSI ID Assignment

IMPORTANT! Each SCSI device must have its own unique ID assigned to it. Each system has a SCSI ID selector switch on the rear panel. A single tape drive is shipped with a default SCSI ID setting of 6. If another SCSI device in the SCSI chain is already using one of these IDs, use the appropriate SCSI ID selector switch on the rear panel to change the tape drive SCSI ID as required.

To change the SCSI ID, press the button above or below the SCSI indicator on the SCSI ID selector switch. The buttons are "shielded" to prevent accidental actuation, so a small object (blunt toothpick, etc.) may be used to press the buttons.

If the default SCSI ID is changed, the drive power must be cycled (turned off and back on) to enable the drive to recognize the new SCSI ID setting.



Installing a Second DAT 72 Drive in a 1U System

Required tools: #1 and #2 Phillips screwdrivers

Inventory of Components:

- (1) DAT 72 Tape Drive
- (1) IO adapter bracket, with an internal SCSI cable, SCSI ID switch, and a SCSI ID cable attached
- (2) Drive mounting brackets
- (2) M3 x 0.5 flat head Phillips screws for drive tab mounts
- (6) Cable ties to secure the cables to the 1U chassis

1. Remove all power from the system and remove the power cord from the receptacle.
 2. If the system is mounted in a rack, remove it from the rack before installing the second drive. Place the system on a clean, stable, flat surface.
 3. Remove the system top cover by loosening the thumbscrew at the rear of the chassis until the screw is disengaged. Slide the cover towards the rear about 1/2 inch to loosen it from the front clips and lift it off the system (Figure 1).
 4. Inside the chassis, remove the front filler panel by unscrewing the two screws with a #2 Phillips screwdriver and remove the foam insert from the bulkhead. Remove the blank IO bracket at the rear of the system by loosening the retaining screw (Figure 2).
- Note: These panels are not required once the second drive is mounted. Remove the tabs from the side rails by removing the two screws with a #1 Phillips screwdriver (Figure 2).
5. Insert the tabs on the drive mounting brackets into the mounting holes on the second drive (Figure 3).

While holding the drive mounting brackets against the drive, position the tabs of the drive mounting brackets over the retaining holes in the drive bay (Figure 4).

Insert the second drive into the drive bay, sliding the tabs on the drive mounting brackets into the retaining holes on each side of the drive bay (Figure 5).

Once the holes on the drive bay are lined up with the holes on the drive mounting brackets, the front of the drive should be flush with the front panel of the system. Secure the drive mounting brackets to the system with a #1 Phillips screwdriver and replace the two screws (Figure 6).

6. Install the IO bracket with the attached cables. Insert the tab on the IO bracket into the rear panel of the system. Tighten the retaining screw to secure the bracket to the system. Route the SCSI and SCSI ID cables through the opening in the bulkhead to the back of the second drive. Carefully connect the SCSI cable to the back of the second drive. Connect the SCSI ID cable into the second drive's SCSI ID connector (Figure 7).

Orient the SCSI selector cable so its purple wire is visible and against the power connector. Insert the power connector from the power source into the power input of the second drive (Figure 8).

Secure the cables to the system chassis by threading a cable tie through the cable tie mount on the chassis floor and securing the tie over the SCSI cable (Figure 9).

7. Replace the top cover and reinstall the system into the rack.
8. Connect a SCSI cable to either of the drive connectors on the system back panel. If there is another SCSI device in the chain, connect that device to the available drive connector on the system back panel. Otherwise, attach a SCSI terminator to the connector (Figure 10).
9. Each SCSI device must have its own unique ID. The second drive is shipped with a default SCSI ID of 5. If another SCSI device in the SCSI chain is already using this ID, use the SCSI ID Selector switch on the back of the system to change the SCSI ID. To change the SCSI ID, press the buttons above or below the SCSI Indicator on the back of the system (Figure 10).

Note: If the default SCSI ID is changed, turn the drive power off and back on.

10. Connect the power cord to the power receptacle on the back left side of the system (Figure 10).