Quantum.

Tabletop and Internal Tape Drive Quick Start Guide

Contents

This quick start guide provides basic installation instructions for your internal or external Quantum DAT 160 Tape Drive. For detailed instruction see the *Quantum DAT 160 Tape Drive User's Guide*, p/n 81-81794-01 A01.

Important Information About Your New Tape Drive

- Before installing the tape drive run the driver installer from the CD-ROM.

- **USB**: Always connect to a USB 2.0 port (on a computer running Windows or Linux).

- **USB**: The tape drive should be the only device on the USB hub.

- **SCSI**: Connect to an Ultra 160 SCSI HBA or higher

- **SCSI**: Use a SCSI cable and terminator

- For optimum performance use DAT 160 media cartridges (MR-D6MQN-xx)

> **NOTE:** The DAT 160 cartridge is larger than previous generations of DAT cartridges.
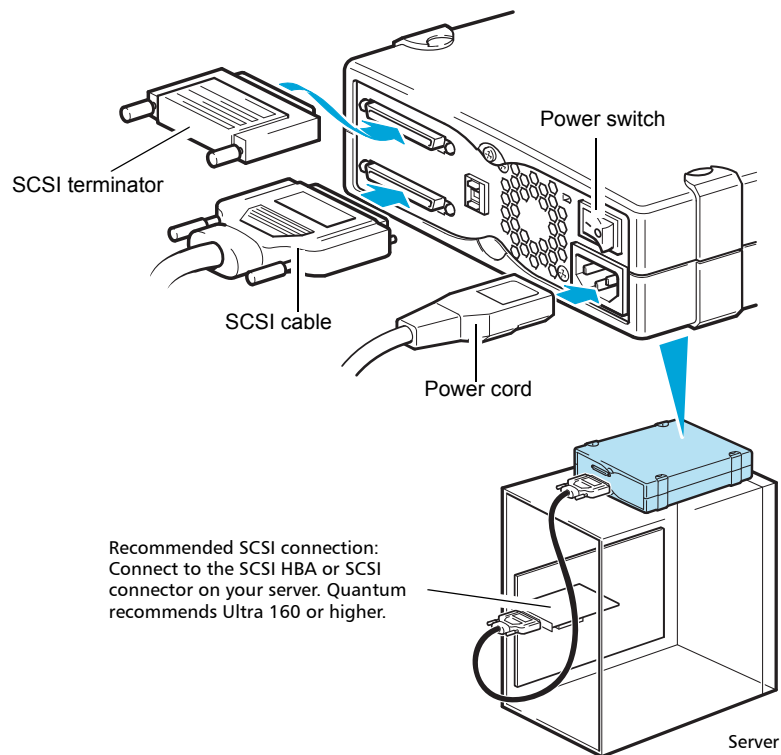
DAT 160 SCSI External Tape Drive Installation

> **Tech Tip:** For detailed, step-by-step installation instructions see the User Guide found on the Quantum CD supplied with your tape drive. See www.quantum.com/support for detailed compatibility information.

SCSI Cable and Terminator Power

Use the appropriate 68-pin, wide, VHD-to-HD SCSI cable and LVD terminator.

Figure 1 Recommended External SCSI Connection

SCSI terminator

Power switch

SCSI cable

Power cord

Recommended SCSI connection: Connect to the SCSI HBA or SCSI connector on your server. Quantum recommends Ultra 160 or higher.

Server

DAT 160 SCSI Internal Tape Drive Installation

Caution:	Disconnect your computer from the main power supply before installing the tape drive and observe anti-static precautions.

Tech Tip:	For detailed, step-by-step installation instructions see the User Guide found on the Quantum CD supplied with your tape drive. See www.quantum.com/support for detailed compatibility information.

Mounting Hardware

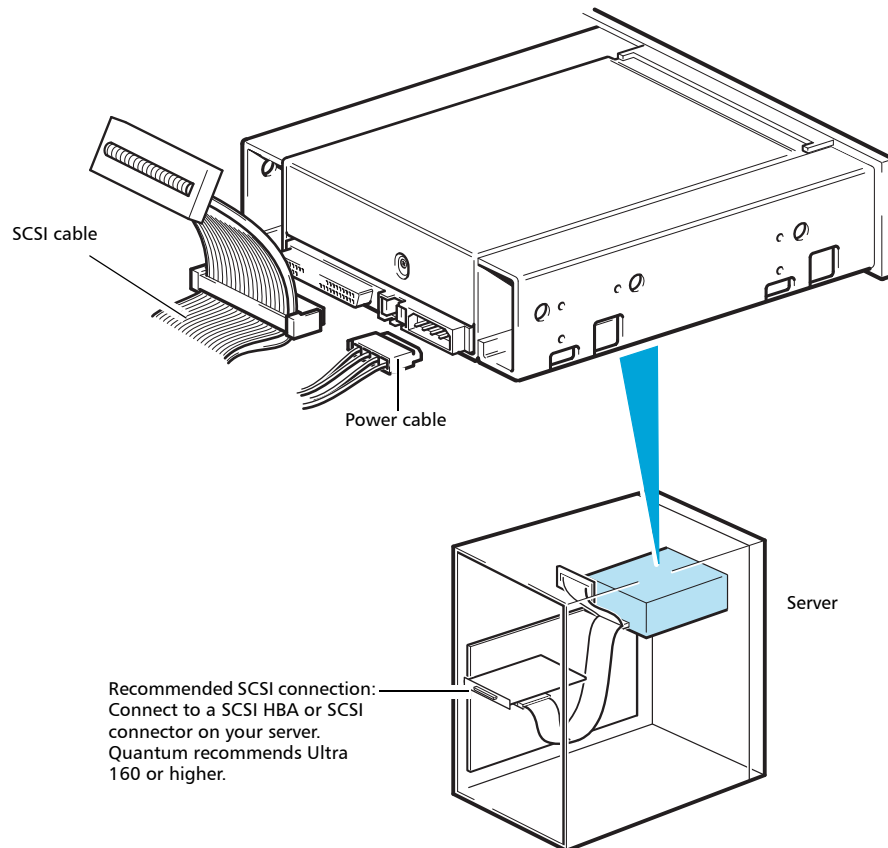Have the appropriate mounting hardware available. Refer to your server documentation.

SCSI Cable

Use a correctly rated and terminated cable.

Power Connection

Attach a spare power cable from the server's internal power supply.

Figure 2 Recommended Internal SCSI Connection

SCSI cable

Power cable

Server

Recommended SCSI connection: Connect to a SCSI HBA or SCSI connector on your server. Quantum recommends Ultra 160 or higher.

Completing the SCSI Installation

Drivers

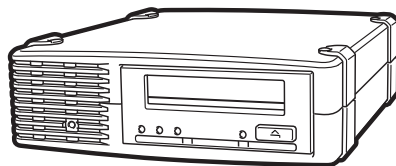Drivers are available at www.quantum.com/support.

Install or Update Backup Software

Always upgrade your software application to ensure it works correctly with the tape drive. The in-box software provides full support for all the features of your tape drive.

DAT 160 USB External Tape Drive Installation

Tech Tip: For detailed, step-by-step installation instructions see the User Guide found on the Quantum CD supplied with your tape drive. See www.quantum.com/support for detailed compatibility information.

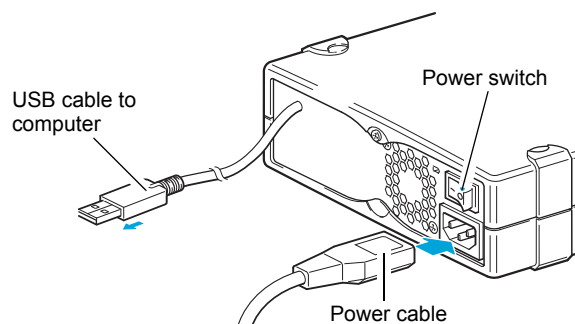Figure 3 Quantum DAT 160 USB External Tape Drive

Windows Systems Only

Drivers are available at www.quantum.com/support.

Installing the Drive

You must connect to a dedicated USB 2.0 port on your computer. USB 1.1 will severely degrade performance.

Use an appropriate power cable to connect to the main power supply. The drive is not powered from the USB bus (see figures 4).

Figure 4 Quantum DAT 160 USB External Tape Drive Back View

USB cable to computer

Power switch

Power cable

DAT 160 USB Internal Tape Drive Installation

Caution: Disconnect your computer from the main power supply before installing the tape drive and observe anti-static precautions.

Use the appropriate power cable to connect to the computer's power supply. The drive is not powered from the USB bus.

Tech Tip: For detailed, step-by-step installation instructions refer to the User Guide found on the Quantum CD supplied with your tape drive. See www.quantum.com/support for detailed compatibility information.

Windows Systems Only:

Run the driver installer from the CD-ROM before connecting tape drive.

Check Server Schematic for Internal USB 2.0 Port.

You must connect to a dedicated USB 2.0 port on your computer. USB 1.1 will severely degrade performance. Use the schematic on the inside of the door or consult your computer documentation to locate the availability and position of a USB 2.0 port; this may be a 4-pin motherboard connector or standard USB socket.

- Internal port available? Use appropriate cables, as appropriate (A)
- No internal port available? Use the Cable Routing Kit (B) to connect to an external USB port.

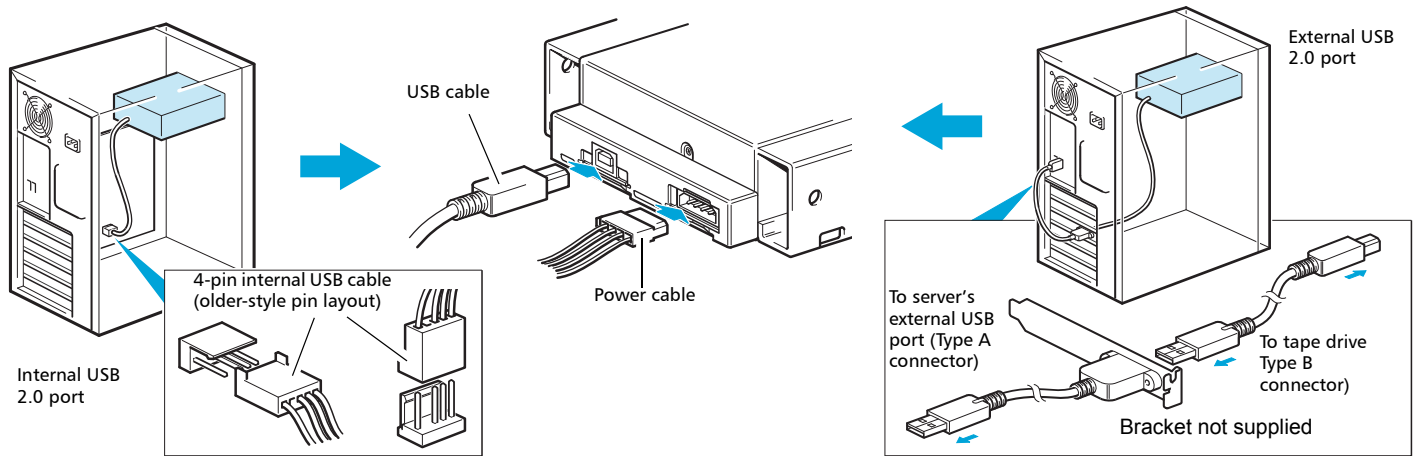**Attach USB Cable to Internal USB 2.0 Port**

There are two types of internal USB cables.

- 4-pin connector inside the computer:

  You must provide the special 4-pin cable for connecting to a 4-pin USB connector because there are two types of pin layout. Select the correct cable for your computer. Sockets may be oriented horizontally or vertically (see figure 5).

- Standard 5-pin USB port inside the computer

  Use the appropriate cable with the tape drive, not illustrated.

Attach USB Cable to External USB 2.0 Port

Use the appropriate USB cable and Cable Routing Kit (bracket with attached cable). Make sure you orientate the bracket correctly when you fit it, (cable on the outside, Type A USB socket on the inside).

Figure 5 Attaching an USB
Cable to an Internal USB 2.0
Port

Completing the USB Installation

Complete Installation of Drivers

If the Found New Hardware Wizard runs, follow the on-screen instructions to automatically search for the installed drivers.

Install or Update Backup Software

It is important to check www.quantum.com/support for software compatibility and install any recommended upgrades. The in-box software provides full support for all the features of your tape drive.

Understanding the Front Panel LEDs
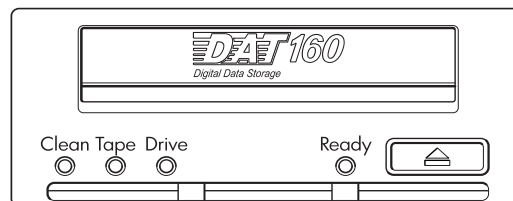
Figure 6 Front Panel LEDs

Table 1   Front Panel LEDs

Clean	Amber	Description
	On	Cleaning cartridge in use
	Off	Drive does not require cleaning
	Flashing	Drive Needs cleaning
Drive	**Green**	**Description**
	Off	No fault has been detected
	Flashing	Drive mechanism has detected a hardware error
Tape	**Green**	**Description**
	Off	No fault has been detected
	Flashing	Cartridge currently in the drive is faulty (damaged or unsupported). Discard the cartridge
Ready	**Green**	**Description**
	On	Drive is ready for use
	Off	Drive power is off, there was a failure during self-test, or a cartridge is not present
	Flashing	Drive is busy

For assistance contact Quantum Technical Assistance center:

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EMEA	+44 1256 848 766

For worldwide support: www.quantum.com/contactsupport

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Backup. Recovery. Archive. It's What We Do.

About Quantum

Quantum Corp. (NYSE: QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media, and software solutions supported by a world-class sales and service organization. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs, and other suppliers to meet customer's evolving data protection needs.

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