

Satechi ST-DT4MDM-US

Satechi Thunderbolt 4 Dock (Model ST-DT4MDM-US) User Manual

INTRODUCTION

Welcome to the Satechi Thunderbolt 4 Dock user manual. This document provides essential information for the proper setup, operation, and maintenance of your docking station. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

PRODUCT OVERVIEW

The Satechi Thunderbolt 4 Dock is designed to expand the connectivity of your computer, offering multiple ports for displays, high-speed data transfer, and efficient power delivery. It leverages Thunderbolt 4 technology for robust and versatile performance.



Image: Front and rear view of the Satechi Thunderbolt 4 Dock, showcasing its sleek design and port layout.

Port Layout and Functions

11-IN-1 EFFICIENT PORTS

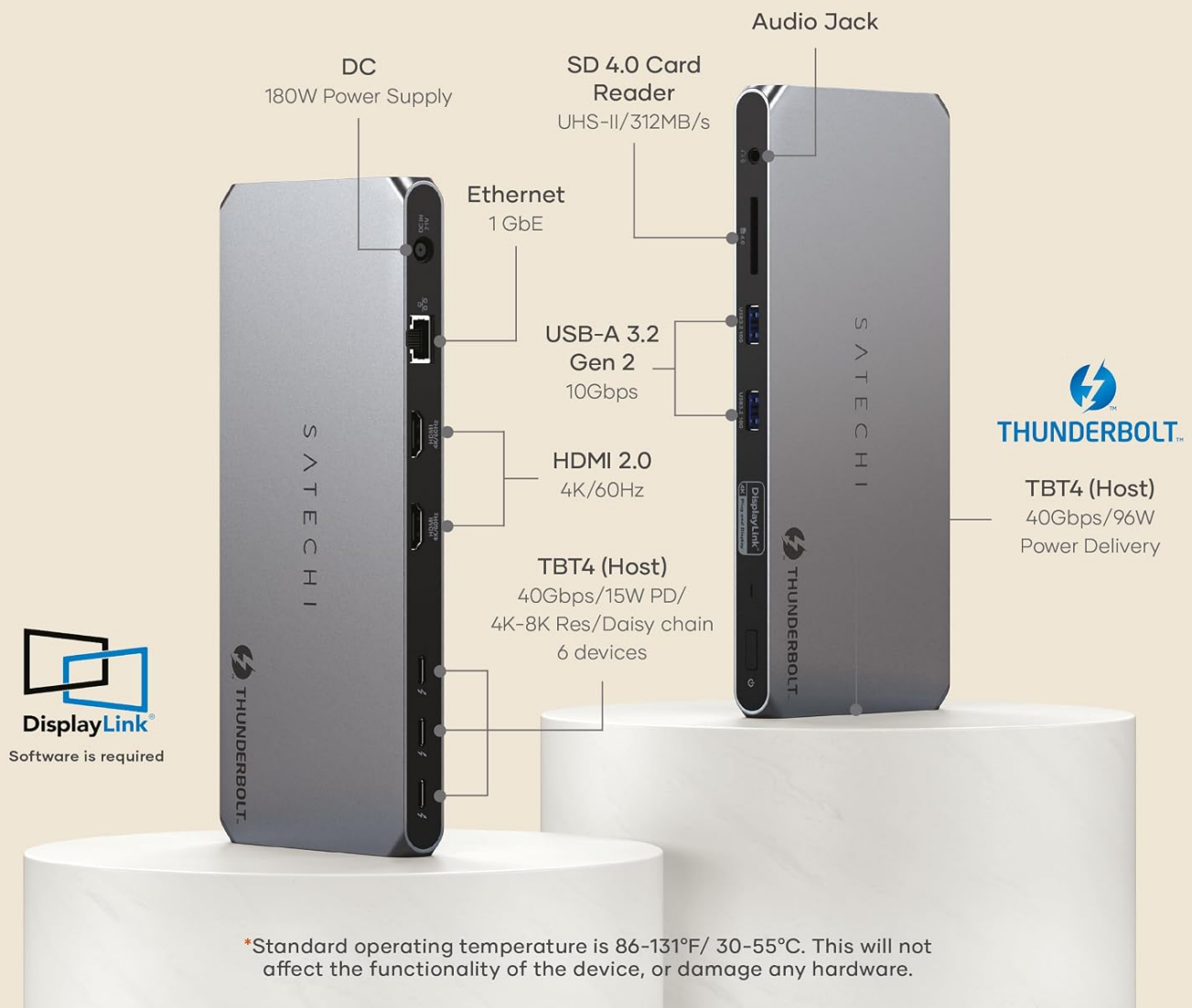


Image: Detailed diagram illustrating the various ports on the Satechi Thunderbolt 4 Dock and their respective functions.

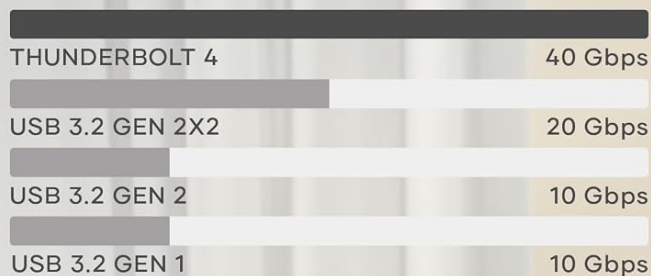
- **DC 180W Power Supply:** Connects the dock to an external power source.
- **Ethernet 1GbE:** Provides a stable wired network connection up to 1000Mbps.
- **TBT4 (Host) Port:** Connects to your computer, offering 40Gbps data transfer and up to 96W Power Delivery. Supports daisy-chaining up to 6 devices.
- **3x Thunderbolt 4 Downstream Ports:** Each port supports 40Gbps data transfer, 15W power delivery, and 4K-8K resolution displays.
- **2x HDMI 2.0 Ports:** Supports dual external displays at 4K/60Hz.
- **Audio Jack:** For connecting headphones or speakers.
- **SD 4.0 Card Reader (UHS-II):** High-speed card reader with transfer rates up to 312MB/s.
- **2x USB-A 3.2 Gen 2 Ports:** Offers data transfer speeds up to 10Gbps for connecting peripherals.

SETUP INSTRUCTIONS

What's Included

TRANSFER FILES IN A BLINK

THUNDERBOLT 4 - 4X FASTER THAN USB 3.2 GEN 1



USB-A 3.2 GEN 2 - 2X FASTER THAN STANDARD USB 3.0



UHS II - 3X FASTER THAN UHS I



Image: The Satechi Thunderbolt 4 Dock, 1-meter Thunderbolt 4 cable, 180W AC adapter, and C5 power cord.

Your Satechi Thunderbolt 4 Dock package includes:

- Satechi Thunderbolt 4 Dock
- 1-meter Thunderbolt 4 Cable
- 180W AC Adapter
- C5 Power Cord

Initial Connection

1. Connect the 180W AC Adapter to the dock's DC IN port.
2. Plug the AC Adapter into a power outlet.
3. Connect the included Thunderbolt 4 cable from the dock's TBT4 (Host) port to a Thunderbolt 4 or USB4 port on your

computer.

DisplayLink Driver Installation

For multi-display functionality, particularly for more than one external display on macOS or for quad-display on Windows, the DisplayLink drivers must be installed on your computer. Failure to install these drivers may limit display output.

- Visit the official DisplayLink website (www.displaylink.com/downloads) to download the latest drivers.
- Follow the on-screen instructions to install the drivers compatible with your operating system (Windows or macOS).
- Restart your computer after installation if prompted.

OPERATING INSTRUCTIONS

Display Connectivity

The dock supports various display configurations, with DisplayLink software required for certain setups.

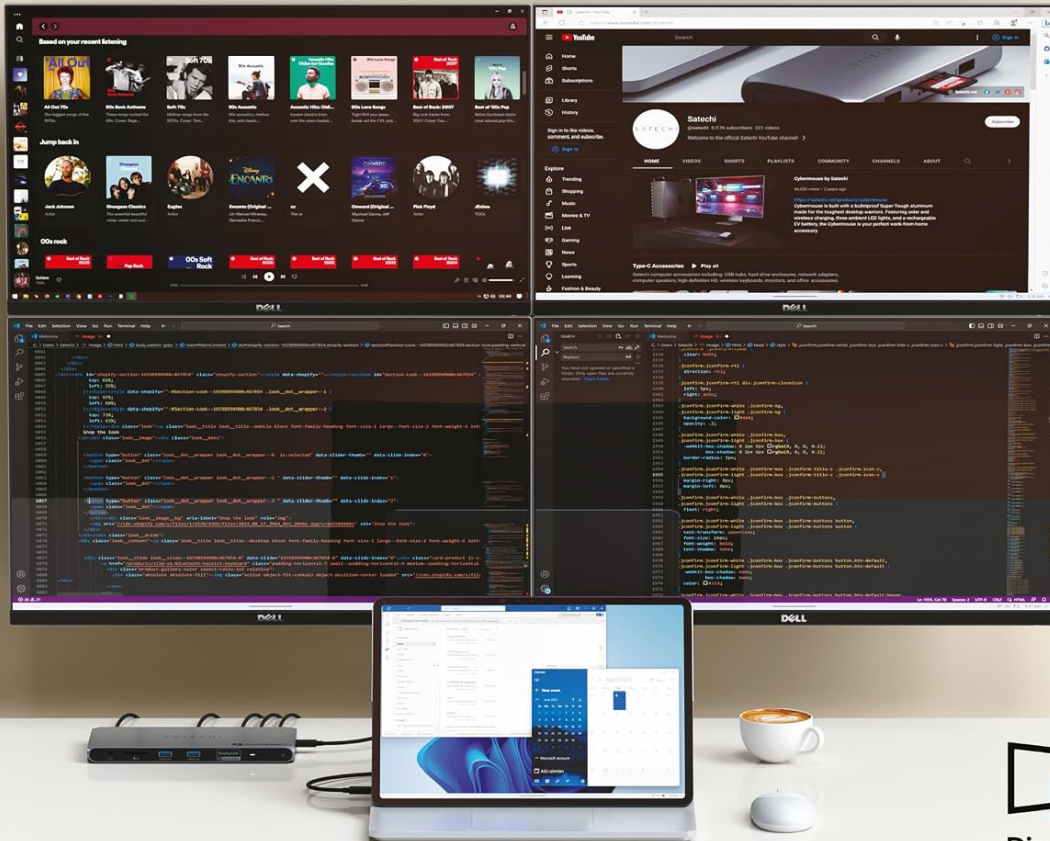
- **Windows Systems:** Supports up to 4 external extended displays at 4K/60Hz (2 via Thunderbolt 4 ports, 2 via HDMI ports). DisplayLink drivers are required.

MAXIMIZE YOUR SCREEN CAPABILITIES

Windows 4 Display (4K/60Hz)

TBT4 + TBT4

HDMI + HDMI



*Single resolution through TBT4 port supports 8K/60Hz with DSC enabled devices

Image: A Windows laptop connected to the Satechi Thunderbolt 4 Dock, driving four external monitors simultaneously.

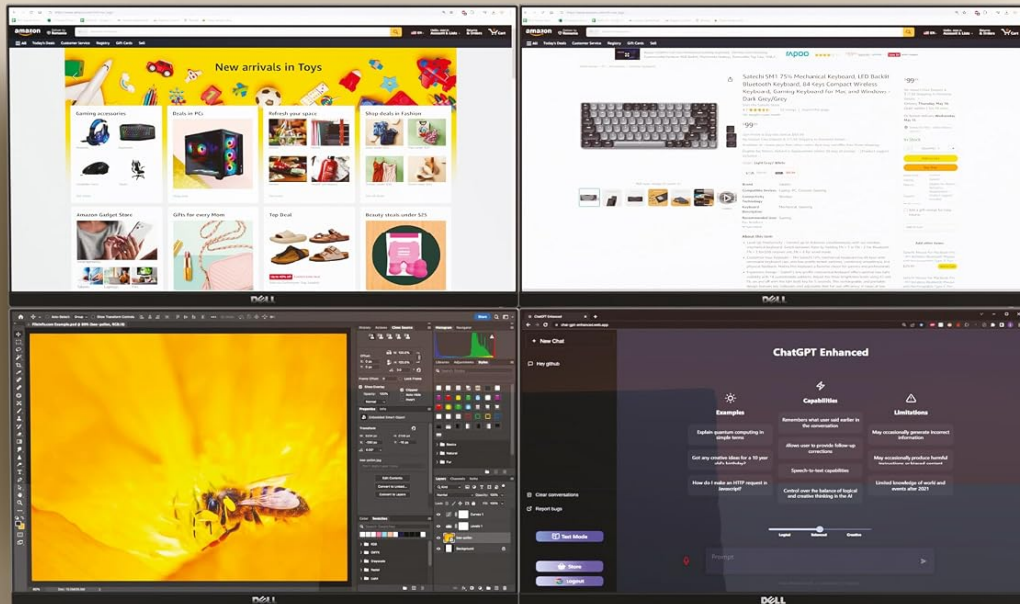
- **macOS Systems (M1/M2 Processors):** Limited to 3 external extended displays (1 via Thunderbolt 4 port, 2 via HDMI ports). DisplayLink drivers are required for the HDMI ports.
- **macOS Systems (M3/M4 Processors):** Supports up to 4 external extended displays at 4K/60Hz (2 via Thunderbolt 4 ports, 2 via HDMI ports). To enable quad-display support on base M3 MacBooks, the laptop lid must be closed to activate the fourth monitor via the Thunderbolt 4 port. DisplayLink drivers are required for the HDMI ports.

MAXIMIZE YOUR SCREEN CAPABILITIES

MacOS 4 Display up to (4K/60Hz)

HDMI + HDMI

TBT4 + TBT4



*To enable quad-display support on base M3 MacBooks, the laptop lid must be closed to activate the fourth monitor via the Thunderbolt 4 port.

*For Quad display on MacBook M3, activate clamshell mode, connect power, and pair mouse & keyboard.

*MacBook M1/M2 can do triple display 1 via USB-C Thunderbolt (6K/60Hz) + 2 via HDMI Display Link software installed (4K@60Hz).

Image: A MacBook connected to the Satechi Thunderbolt 4 Dock, displaying content across four external monitors.

Data Transfer

Utilize the high-speed ports for efficient data transfer with various devices:

- **Thunderbolt 4 Ports:** Experience blazing data transfers up to 40Gbps.
- **USB-A 3.2 Gen 2 Ports:** Connect USB-A peripherals with speeds up to 10Gbps.
- **UHS-II SD 4.0 Card Reader:** Transfer photos and videos quickly with speeds up to 312MB/s.

CHARGE YOUR DEVICES SIMULTANEOUSLY



*15W power supported on all Thunderbolt 4 ports. Charging limited to two ports at a time.

Image: A chart comparing data transfer speeds of Thunderbolt 4, USB 3.2, and UHS-II SD cards, highlighting the dock's high-speed capabilities.

Power Delivery

The dock provides power to your host computer and connected devices:

- **Host Charging:** Delivers up to 96W Power Delivery to your host computer via the Thunderbolt 4 host port.
- **Device Charging:** Thunderbolt 4 downstream ports support 15W power delivery for charging connected devices. Charging is limited to two ports at a time.

IN THE BOX

180W Power Supply

C5 Cable

Thunderbolt 4 Multi Device
Docking Station

Thunderbolt 4
Cable



Image: The Satechi Thunderbolt 4 Dock simultaneously charging a laptop (96W), a smartphone (15W), and a smartwatch (15W).

COMPATIBILITY

The Satechi Thunderbolt 4 Dock is designed for broad compatibility with various operating systems and devices:

- **Apple Devices:** Compatible with MacBook Air/Pro M4/M3/M2/M1, iMac M4, Mac Mini M4, Mac Studio, iPad Air/Pro M4, and earlier macOS devices.
- **Windows PCs:** Works with Windows laptops including models from Lenovo, Microsoft Surface, Dell, HP, Razer, and Huawei.
- **Chrome OS Devices.**

Important Note: iPadOS and iOS are not compatible with DisplayLink technology, which is required for certain multi-display configurations.

MAINTENANCE

To ensure optimal performance and longevity of your Satechi Thunderbolt 4 Dock, follow these guidelines:

- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth for cleaning. Avoid liquid cleaners or abrasive materials.
- **Environment:** Avoid exposing the dock to extreme temperatures, direct sunlight, or high humidity.
- **Operating Temperature:** The standard operating temperature range for the device is 30-55°C (86-131°F). This temperature range is normal and will not affect the device's functionality or cause hardware damage.

TROUBLESHOOTING

If you encounter issues with your Satechi Thunderbolt 4 Dock, please refer to the following common solutions:

- **No Display Output:**
 - Ensure all display cables (HDMI, Thunderbolt) are securely connected to both the dock and your monitors.
 - Verify that DisplayLink drivers are correctly installed and updated for your operating system.
 - Check your computer's display settings to detect and configure external monitors.
 - For macOS M3/M4 quad-display, ensure the laptop lid is closed to activate the fourth monitor.
- **Slow Data Transfer:**
 - Confirm that your connected devices and cables support the advertised speeds (e.g., Thunderbolt 4 cables for 40Gbps).
 - Ensure your host computer's port is Thunderbolt 4 or USB4 for maximum performance.
- **Device Not Charging:**
 - Ensure the dock's 180W power adapter is securely connected to the dock and a working power outlet.
 - Verify your host computer or connected device supports USB-C Power Delivery.
 - Check the power requirements of your device; the dock provides up to 96W to the host and 15W per downstream Thunderbolt port.
- **Intermittent Connections:**
 - Try restarting your computer and reconnecting the dock.
 - Ensure no other devices or electromagnetic interference are affecting the connections.

SPECIFICATIONS

Feature	Detail
Model Number	ST-DT4MDM-US
Product Dimensions	8.4 x 3.7 x 0.7 inches (21.3 x 9.4 x 1.8 cm)
Item Weight	1.08 pounds (0.49 kg)
Hardware Interface	Ethernet, HDMI, Secure Digital Card, Thunderbolt 4, USB
Total USB Ports	2 (USB-A 3.2 Gen 2)
Total HDMI Ports	2 (HDMI 2.0)

Feature	Detail
Thunderbolt 4 Ports	1 Host, 3 Downstream
Power Delivery (Host)	Up to 96W
Power Delivery (Downstream TBT4)	15W per port
Data Transfer Speed (TBT4)	Up to 40Gbps
Data Transfer Speed (USB-A)	Up to 10Gbps
SD Card Reader	UHS-II (312MB/s)
Ethernet	1GbE (1000Mbps)
Wattage (Power Adapter)	180W
Operating Temperature	30-55°C (86-131°F)

WARRANTY AND SUPPORT

Satechi products are covered by a 2-year limited warranty against defects in materials and workmanship under normal use. This warranty ensures your product is free from manufacturing defects for the specified period. For customer service, technical support, or to learn more about your warranty, please visit the official Satechi website or contact their support team directly through the contact information provided on their website.

Online Resources: [Satechi Official Website](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question