Satechi ST-DT4PMM-UK

Satechi 16-in-1 Thunderbolt 4 USB-C Docking Station User Manual

Model: ST-DT4PMM-UK

Introduction

The Satechi 16-in-1 Thunderbolt 4 USB-C Docking Station is designed to expand the connectivity of your laptop, providing a comprehensive solution for a streamlined and efficient workspace. This manual provides detailed instructions for setting up, operating, and maintaining your docking station to ensure optimal performance and longevity.



Image: Satechi Thunderbolt 4 Multimedia Pro Dock, highlighting its 16-in-1 capabilities.

What's Included

Verify that all components are present in the package:

- Satechi 16-in-1 Thunderbolt 4 USB-C Docking Station
- Thunderbolt 4 Cable (2.6 ft)
- 135W Power Supply
- Rubber Stand for flexible orientation

- User Manual



Image: All items included in the product box: the docking station, power supply, Thunderbolt 4 cable, and docking stand.

Product Overview: Ports and Features

The Satechi Thunderbolt 4 Docking Station features a comprehensive array of ports designed to enhance your connectivity and productivity. Familiarize yourself with the layout and function of each port.



Image: Detailed view of the Satechi Thunderbolt 4 Dock, illustrating the location and type of each port on both the front and back panels.

Front Panel Ports:

- **Micro SD/SD Card Slots (UHS-II):** Supports simultaneous use with transfer speeds up to 312MB/s.
- **USB 3.2 10Gbps (USB-C):** For high-speed data transfer and 7.5W charging.
- **USB 2.0 (USB-A):** For peripherals, with 7.5W charging.
- **Audio In/Out Jack:** For headphones or microphones.
- **To Host (Thunderbolt 4):** Connects to your laptop, providing up to 96W Power Delivery.
- **Power Button:** To power on/off the docking station.

Rear Panel Ports:

- **2x DisplayPort 1.4:** For connecting external monitors.
- **2x HDMI 2.1:** For connecting external monitors.
- **2.5Gbps Ethernet:** For high-speed wired network connection.

- **3x USB-A 3.2 10Gbps:** For high-speed data transfer.
- **2x USB-A 3.2 5Gbps:** For data transfer.
- **DC 20V Power In:** Connects to the included 135W power supply.

Setup Instructions

1. **Connect Power:** Plug the 135W power supply into the "DC 20V Power In" port on the rear of the docking station, then connect the power supply to a wall outlet.
2. **Connect to Host Device:** Use the included Thunderbolt 4 cable to connect the "To Host" port on the front of the docking station to a Thunderbolt 4, Thunderbolt 3, USB4, or USB-C port on your laptop.
3. **Connect Peripherals:**
    - **Monitors:** Connect your external monitors to the DisplayPort 1.4 or HDMI 2.1 ports on the rear of the dock.
    - **Network:** Connect an Ethernet cable from your router/modem to the 2.5Gbps Ethernet port.
    - **USB Devices:** Plug in your USB-A and USB-C peripherals (keyboards, mice, external drives, etc.) to the available USB ports.
    - **SD/Micro SD Cards:** Insert memory cards into the front-facing slots as needed.
    - **Audio:** Connect headphones or speakers to the 3.5mm audio jack.
4. **Power On:** Press the power button on the front of the docking station. The power indicator light will illuminate.



Image: The Satechi docking station with multiple cables and devices connected, demonstrating a typical setup.

Operating Instructions

Display Capabilities:

The docking station supports various display configurations depending on your operating system and host device's capabilities.

- **Windows:** Connect up to four 4K 60Hz screens.
- **MacBook M4 Models:** Supports dual external displays.
- **MacBook M3 Base Models:** Supports dual external displays in clamshell mode (laptop lid closed).
- **MacBook M2/M1 Base Models:** Supports a single external display.



Image: A Windows laptop connected to four external monitors, demonstrating the quad display capability of the docking station.



Image: A MacBook connected to two external monitors, showcasing the dual display support for compatible Mac models.

Power Delivery:

The docking station provides up to 96W of power delivery to your connected laptop, ensuring it remains charged during use. The intelligent power management system adjusts output for optimal performance and safety. Additionally, two USB ports on the dock offer convenient charging for phones and tablets.



Image: A MacBook Pro connected to the Satechi docking station, illustrating the 96W power delivery feature.

Data Transfer:

Benefit from high-speed data transfer capabilities:

- **2.5Gbps Ethernet:** Provides a fast and stable wired internet connection, enhancing network performance.
- **UHS-II Card Slots:** Supports simultaneous use of SD and Micro SD cards with transfer speeds up to 312MB/s, ideal for photographers and videographers.
- **USB 3.2 10Gbps Ports:** For rapid transfer of large files to and from compatible external storage devices.

Safety Features

The Satechi Thunderbolt 4 Docking Station is engineered with multiple protection mechanisms to ensure the safety of your devices and the dock itself. Standard operating temperature is 86-131°F (30-55°C).

- **Anti-static Protection:** Prevents damage from electrostatic discharge.

- **Short Circuit Protection:** Safeguards against electrical shorts.
- **Over Current Protection:** Protects devices from excessive current flow.
- **Overheat Protection:** Manages internal temperature to prevent overheating.
- **Over Voltage Protection:** Shields against voltage spikes.



Image: The Satechi docking station accompanied by icons representing its safety features: anti-static, short circuit, over current, overheat, and over voltage protection.

Compatibility

The Satechi Thunderbolt 4 Dock is widely compatible with various devices and operating systems:

- **Supported Connections:** Thunderbolt 5, Thunderbolt 4, Thunderbolt 3, USB4, and USB-C 3.2 Gen 2 devices. (Note: When used with Thunderbolt 5, speeds will be limited to 40Gbps.)
- **Supported Operating Systems:** Windows 10 or later, macOS 11 or later, Chrome OS.
- **Compatible Devices (Examples):**

- **Apple:** MacBook Air/Pro M4/M3/M2/M1, iPad Air/Pro M4/M3/M2/M1, iPad Mini, iPad, iMac M4, Mac Mini M4, Mac Studio, iPad Air/Pro or earlier macOS devices.
- **Windows:** Laptops from Lenovo, Microsoft Surface Laptop, Surface Pro 2025, Dell, HP, Razer, Huawei, and other Windows laptops supporting DisplayPort Alt Mode and Power Delivery via USB-C.

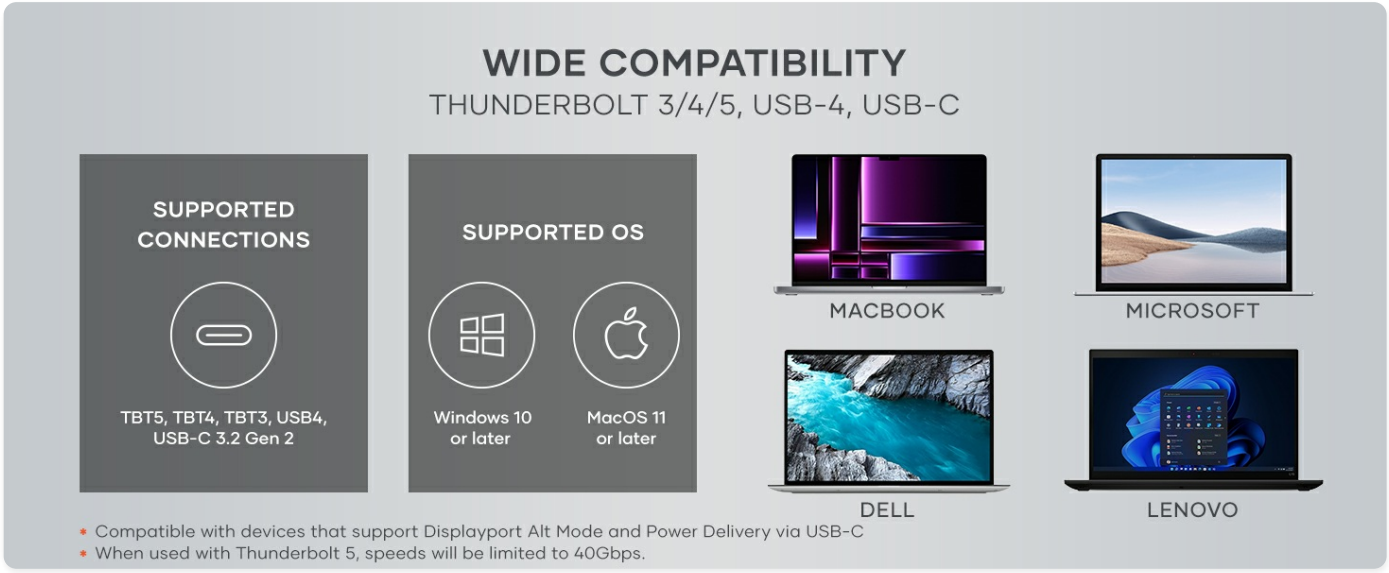


Image: A visual representation of the wide compatibility of the Satechi Thunderbolt 4 Dock with various operating systems and laptop brands.

Troubleshooting

If you encounter issues with your Satechi Thunderbolt 4 Docking Station, please refer to the following common troubleshooting steps:

1. **No Power/Indicator Light Off:**
   - Ensure the 135W power supply is securely connected to both the dock and a working wall outlet.
   - Press the power button firmly.
   - Try a different power outlet.
2. **No Display Output:**
   - Verify that the Thunderbolt 4 cable is securely connected between the dock and your laptop.
   - Check that display cables (HDMI/DisplayPort) are firmly connected to both the dock and your monitors.
   - Ensure your laptop's display settings are configured to extend or duplicate displays.
   - Confirm your laptop's compatibility with the desired number of external displays (especially for Mac M1/M2 base models).
   - Try disconnecting and reconnecting the display cables.
   - Update your graphics drivers on Windows, or ensure macOS is up to date.
3. **USB Devices Not Recognized:**
   - Ensure the USB device is properly inserted into the dock's port.
   - Try connecting the device to a different USB port on the dock.
   - Test the USB device by connecting it directly to your laptop.
   - For high-power USB devices, ensure they have their own power source if required.
4. **Network Connection Issues:**
   - Check the Ethernet cable connection between the dock and your router/modem.

- Verify network settings on your computer.
- Restart your router/modem.

5. **Laptop Not Charging:**
   - Ensure the Thunderbolt 4 cable is connected to the "To Host" port on the dock and a compatible port on your laptop.
   - Confirm the dock's power supply is connected and functioning.
   - Check your laptop's power settings.

Specifications

Feature	Detail
Model Number	ST-DT4PMM-UK
Dimensions (L x W x H)	7.68" x 4.13" x 1.81" (19.5 x 10.5 x 4.6 cm)
Item Weight	1.55 pounds (705 grams)
Total Ports	16
Host Connection	Thunderbolt 4 (up to 96W Power Delivery)
Display Outputs	2x DisplayPort 1.4, 2x HDMI 2.1
Max Display Resolution	Up to 4K 60Hz (Quad Display on Windows)
USB-C Data Ports	1x USB-C 3.2 10Gbps (7.5W charging)
USB-A Data Ports	3x USB-A 3.2 10Gbps, 2x USB-A 3.2 5Gbps, 1x USB 2.0 (7.5W charging)
Ethernet	2.5Gbps
Card Readers	UHS-II SD and Micro SD (up to 312MB/s)
Audio	3.5mm Audio In/Out Jack
Power Supply	135W
Operating Temperature	86-131°F (30-55°C)
Material	Industrial Grade Aluminum

Maintenance

To ensure the longevity and optimal performance of your Satechi Thunderbolt 4 Docking Station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the surface of the docking station. Avoid using abrasive cleaners, solvents, or aerosol sprays.
- **Ventilation:** Ensure the docking station is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.

- **Storage:** When not in use for extended periods, store the dock in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Avoid sharp bends or kinks in cables, especially the Thunderbolt 4 cable, to prevent damage.
- **Power Cycle:** If you experience minor issues, try disconnecting the power supply from the dock for a few seconds and then reconnecting it.

Warranty and Support

Satechi products are covered by a**2-year limited warranty** against defects in materials and workmanship under normal use. For warranty claims or technical assistance, please contact Satechi customer support.
For additional resources, including the official User Guide (PDF), please visit the Satechi support website or refer to the link provided with your purchase.
Official User Guide (PDF): Download Here

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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.

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