

Dell WD22TB4

Dell Thunderbolt 4 Dock (WD22TB4) Instruction Manual

1. INTRODUCTION AND OVERVIEW

The Dell Thunderbolt 4 Dock (WD22TB4) is a modular docking solution designed to enhance productivity by providing extensive connectivity and fast charging capabilities. This dock allows you to connect multiple displays and peripherals to your system using a single cable, streamlining your workspace and ensuring efficient data transfer.



Figure 1: Top view of the Dell Thunderbolt 4 Dock (WD22TB4).

2. PRODUCT FEATURES

- Modular Thunderbolt 4 Dock with swappable module capability for easy upgrades and SuperBoost technologies for fast charging.
- Features 2 x Thunderbolt-4 ports, 1 x USB-C 3.2 Gen 2 port, 1 x USB-A 3.2 Gen 1 port with PowerShare, 2 x DisplayPort 1.4, 1 x HDMI 2.0, and 1 x USB-C Multifunction DisplayPort.
- Includes 2 x USB-A 3.2 Gen 1 ports, 1 x Gigabit Ethernet RJ45 Port, and an 180W Power adapter (120/230 V AC, 50/60 Hz). Compatible with Windows 10 and Windows 11.
- Designed to multiply productivity by connecting displays and peripherals to your system with a single cable. Supports multiple 4K displays and Thunderbolt peripherals.
- Offers fast data transfer speeds of up to 40 GB/s.

3. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with the setup.

Package Contents



1 x Dell WD22TB4 Dock



1 x Dell 180W AC Adapter



1 x Installation Manual



1 x UK Mains Power Cord



1 x EU Mains Power Cord

Figure 2: The package includes the Dell WD22TB4 Dock, a Dell 180W AC Adapter, power cords (UK and EU mains shown), and an installation manual.

4. PHYSICAL OVERVIEW: PORTS AND CONNECTORS

Familiarize yourself with the various ports and connectors on your Dell Thunderbolt 4 Dock.



Figure 3: Detailed view of the Dell WD22TB4 Dock's ports and slots.

Front Panel:

- **USB-C 3.2 Gen 2:** For connecting USB-C devices.
- **USB-A 3.2 Gen 1 with PowerShare:** For connecting USB-A devices and charging.
- **Power Button:** To power on/off the dock and connected Dell systems.

Rear Panel:

- **Power In:** Connect the 180W power adapter here.
- **DisplayPort 1.4 (x2):** For connecting external monitors.
- **HDMI 2.0:** For connecting an external monitor.
- **USB-C Multifunction DisplayPort:** Supports video output and data transfer.
- **USB-A 3.2 Gen 1 (x2):** For connecting USB-A peripherals.
- **Gigabit Ethernet RJ45 Port:** For wired network connection.
- **Thunderbolt™ 4 (x2):** High-speed ports for connecting to your laptop and other Thunderbolt devices.



Figure 4: The Thunderbolt 4 cable, featuring the distinctive lightning bolt symbol, is used for connecting the dock to your computer.

5. SETUP INSTRUCTIONS

1. **Connect Power:** Plug the 180W power adapter into the "Power In" port on the rear of the dock, then connect the power cable to a wall outlet.
2. **Connect to Computer:** Use the included Thunderbolt 4 cable to connect the dock to a Thunderbolt 4 port on your laptop. Ensure a secure connection.
3. **Connect Displays:** Connect your external monitors to the DisplayPort 1.4, HDMI 2.0, or USB-C Multifunction DisplayPort on the rear of the dock. The dock supports multiple 4K displays.
4. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external drives, etc.) into the available USB-A and USB-C ports on both the front and rear panels.
5. **Network Connection:** For a stable wired network, connect an Ethernet cable from your router or modem to

the Gigabit Ethernet RJ45 Port on the rear of the dock.

6. **Power On:** Press the power button on the front of the dock to power it on. If connected to a compatible Dell laptop, this button can also power on/off the system.

Your browser does not support the video tag.

Video 1: This video provides a visual overview of Dell Docking Stations, highlighting their ease of deployment, management, and upgrade capabilities, along with various connectivity options and fast charging features.

6. OPERATING INSTRUCTIONS

Once set up, the Dell Thunderbolt 4 Dock operates seamlessly to extend your laptop's capabilities.

- **Automatic Recognition:** Your operating system should automatically detect the connected displays and peripherals. If not, ensure all drivers are up to date.
- **Display Configuration:** Adjust display settings (resolution, arrangement, mirroring/extending) through your computer's display settings.
- **Charging:** The dock provides power to your connected laptop and devices through the Thunderbolt 4 cable and PowerShare USB-A port.
- **Data Transfer:** Utilize the high-speed Thunderbolt 4 and USB 3.2 Gen 2 ports for rapid data transfer with compatible devices.

Your browser does not support the video tag.

Video 2: This video showcases the Dell Docking Station Bundle, demonstrating the various cables and adapter sets included and how they connect to the dock for an organized workspace.

7. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the dock with a soft, dry cloth. Avoid liquid cleaners directly on ports.
- **Firmware Updates:** Check the Dell support website periodically for firmware updates for your WD22TB4 dock. Keeping the firmware updated ensures optimal performance and compatibility.
- **Ventilation:** Ensure the dock is placed in a well-ventilated area to prevent overheating. Avoid blocking the ventilation grilles.

8. TROUBLESHOOTING

Issue	Possible Solution
No display on external monitors.	Ensure all display cables are securely connected to both the dock and the monitors. Verify your laptop's display settings are configured to extend or duplicate the display. Update your graphics drivers and dock firmware. Check monitor input sources.
Peripherals not recognized.	Reconnect the peripheral to a different USB port on the dock. Ensure the dock is properly connected to your laptop via the Thunderbolt 4 cable. Restart your computer with the dock connected.

Issue	Possible Solution
Laptop not charging.	<p>Confirm the power adapter is securely connected to the dock and a working power outlet.</p> <p>Ensure the Thunderbolt 4 cable is correctly connected to your laptop.</p> <p>Check if your laptop supports charging via Thunderbolt 4.</p>
Excessive fan noise.	<p>Ensure the dock is in a well-ventilated area and its vents are not obstructed.</p> <p>Update the dock's firmware, as cooling algorithms can be improved.</p>

9. SPECIFICATIONS

Feature	Detail
Model Number	DELL-WD22TB4
Product Dimensions	9.7"L x 6.5"W x 1.1"H (24.64 x 16.51 x 2.79 cm)
Item Weight	1.43 pounds (650 grams)
Connectivity	2x Thunderbolt 4, 1x USB-C 3.2 Gen 2, 3x USB-A 3.2 Gen 1 (1 with PowerShare), 2x DisplayPort 1.4, 1x HDMI 2.0, 1x USB-C Multifunction DisplayPort, 1x Gigabit Ethernet RJ45
Power Adapter	180W (120/230 V AC, 50/60 Hz)
Compatible Devices	Dell laptops, devices with HDMI, Thunderbolt, USB-C, Windows 10, Windows 11
Total USB Ports	7
Total HDMI Ports	1
Manufacturer	Dell Computers
Date First Available	July 30, 2022

10. WARRANTY AND SUPPORT

For warranty information, technical support, and additional resources, please visit the official Dell support website. Dell offers various protection plans for extended coverage.

- **Official Dell Support:** www.dell.com/support
- **Dell Store:** [Visit the Dell Store on Amazon](#)
- **Protection Plans:** Consider purchasing a 2-Year or 3-Year Protection Plan for extended peace of mind.

