OWC OWCTB3ADP10GBE

OWC Thunderbolt 3 10G Ethernet Adapter User Manual

Model: OWCTB3ADP10GBE

1. PRODUCT OVERVIEW

The OWC Thunderbolt 3 10G Ethernet Adapter provides a high-speed, bus-powered solution for connecting your Thunderbolt 3 or Thunderbolt 4 equipped Mac or Windows computer to wired networks. It supports various Ethernet standards, offering speeds up to 10Gb/s, and is designed for robust performance in demanding environments such as large file transfers, video editing, and live streaming.
Key features include:

- Up to 10Gb/s Ethernet connectivity.
- Compatibility with Thunderbolt 3 and Thunderbolt 4 ports.
- Bus-powered operation, eliminating the need for an external power adapter.
- Fanless, silent operation with a robust aluminum heatsink design.
- Protective rubber sleeve for enhanced durability.
- AVB (Audio Video Bridging) ready for professional audio and video applications.

Figure 1: OWC Thunderbolt 3 10G Ethernet Adapter. This image shows the compact, black adapter with its distinctive ribbed top surface and an RJ45 Ethernet port visible on one end.

2. SETUP INSTRUCTIONS

Follow these steps to set up your OWC Thunderbolt 3 10G Ethernet Adapter:

1. **Connect the Thunderbolt Cable:** Connect one end of the included Thunderbolt 3 (USB-C) cable to the Thunderbolt port on the OWC 10G Ethernet Adapter. The port is located on the side opposite the Ethernet port and is marked with a lightning bolt symbol.

2. **Connect to Your Computer:** Connect the other end of the Thunderbolt 3 cable to an available Thunderbolt 3 or Thunderbolt 4 port on your Mac or Windows computer. The adapter is bus-powered, meaning it draws power directly from your computer's Thunderbolt port, so no external power adapter is needed.

3. **Driver Installation:** For macOS, no drivers are typically required. For Windows 10 (64-bit edition) and later, drivers may be automatically installed. If not, please visit the official OWC support website for the latest drivers.
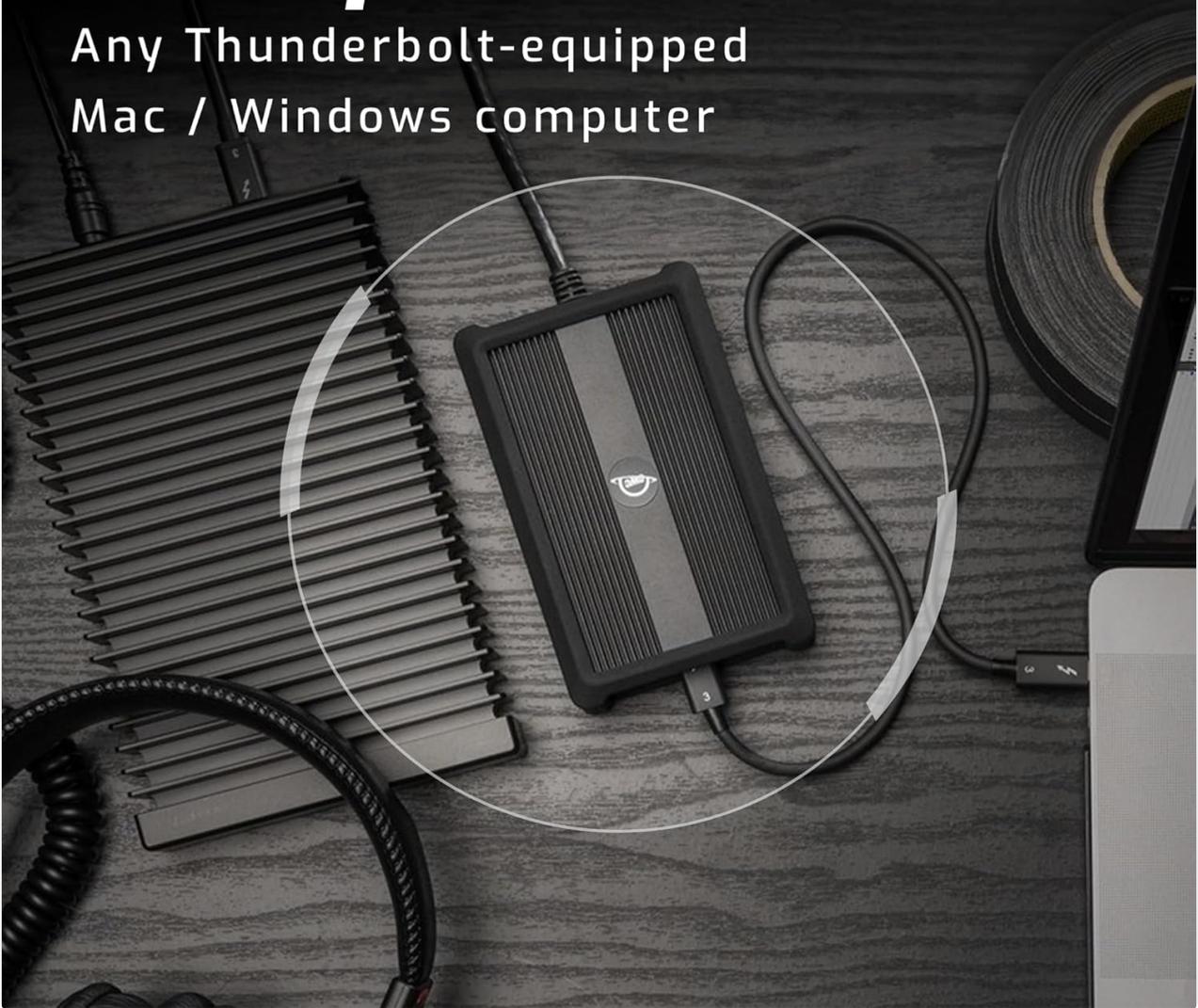
Figure 2: Adapter connected to a computer. This image illustrates the OWC Thunderbolt 3 10G Ethernet Adapter connected via its Thunderbolt cable to a laptop, demonstrating its compact size and ease of integration into a workspace.

3. OPERATING INSTRUCTIONS

Once the adapter is connected to your computer via Thunderbolt, you can establish a high-speed wired network connection:

1. **Connect the Ethernet Cable:** Insert a standard RJ45 Ethernet cable into the Ethernet port on the OWC 10G Ethernet Adapter. Connect the other end of the Ethernet cable to your network switch, router, or directly to another network device.

2. **Network Speed Compatibility:** The adapter supports auto-negotiation for various Ethernet standards, including 10Gb/s, 5Gb/s, 2.5Gb/s, 1Gb/s, and 100Mb/s Base-T. Ensure your network infrastructure (cables, switches, routers) supports the desired speed for optimal performance. Cat6a cables are recommended for 10G connections up to 100 meters.

3. **Network Configuration:** Your operating system should automatically detect the new network adapter. You may need to configure network settings (e.g., IP address, DNS) through your computer's network

preferences if you are not using DHCP.

4. **AVB Functionality:** The adapter is AVB ready, making it suitable for professional audio and video applications where precise synchronization of data streams is critical. AVB functionality requires an AVB compatible switch or router.

Figure 3: Adapter with visible ports. This image provides a close-up view of the OWC Thunderbolt 3 10G Ethernet Adapter, clearly showing the RJ45 Ethernet port and the Thunderbolt 3 (USB-C) port, along with ventilation grilles.

Figure 4: Blazing Fast Performance. This image emphasizes the adapter's capability for high-speed data transfer, with text indicating "Blazing Fast" and "900MB/s+ real-world speeds" alongside the product.

4. MAINTENANCE

The OWC Thunderbolt 3 10G Ethernet Adapter is designed for durability and minimal maintenance:

- **Cooling:** The adapter features a fanless design with a ventilated aluminum heatsink housing to maximize heat dissipation. This ensures silent operation and efficient cooling without moving parts.
- **Protection:** The included rubber sleeve provides additional protection against impacts and wear during portable use. It can be removed if desired, but it is recommended for enhanced durability.
- **Cleaning:** Keep the adapter clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.

Figure 5: Cool + Rugged Design. This image showcases two OWC Thunderbolt 3 10G Ethernet Adapters, highlighting their robust construction and protective rubber sleeves, emphasizing maximum airflow capability.

5. TROUBLESHOOTING

If you encounter issues with your OWC Thunderbolt 3 10G Ethernet Adapter, consider the following:

- **No Network Connection:**

  - Ensure both the Thunderbolt cable and the Ethernet cable are securely connected to the adapter and your devices.
  - Verify that your computer's Thunderbolt port is functional.
  - Check your network settings on your computer to ensure the adapter is recognized and configured correctly (e.g., DHCP enabled or static IP set).
  - Test with a different Ethernet cable or network port/switch to rule out cable or network infrastructure issues.

- **Slow Network Speeds:**

- Confirm that your network switch, router, and cabling (e.g., Cat6a for 10Gb/s) support the desired speeds.
- Ensure your computer's operating system and drivers are up to date.
- Check for background applications consuming significant network bandwidth.

- **Adapter Feels Warm:**

  - It is normal for the adapter to feel warm during operation, especially during high data transfer rates. The aluminum housing acts as a heatsink to dissipate heat passively.

- **Random Disconnections (Mac Users):**

  - Some users have reported random disconnections, particularly with certain macOS versions (e.g., M1 iMac running macOS Sequoia 15.3).
  - Try resetting network settings on your Mac.
  - Ensure your macOS is fully updated.
  - If issues persist, contact OWC support for further assistance.

6. SPECIFICATIONS

Feature	Description
Model Number	OWCTB3ADP10GBE
Product Dimensions	4.5 x 1.1 x 3.1 inches (11.43 x 2.79 x 7.87 cm)
Item Weight	1 pound (0.45 kg)
Hardware Interface	Thunderbolt 3, Ethernet (RJ45)
Data Link Protocol	Ethernet, Gigabit Ethernet
Data Transfer Rate	10000 Megabits Per Second (10Gb/s)
Compatible Operating Systems	macOS 10.13.6 or later, Windows 10 (64-bit edition) and later
Power Source	Bus-powered via Thunderbolt

7. WARRANTY AND SUPPORT

The OWC Thunderbolt 3 10G Ethernet Adapter comes with a 1-year OWC Limited Warranty. For detailed warranty information, technical support, or to access additional resources, please visit the official OWC website:

Visit the OWC Store for Support

You can also find frequently asked questions and community forums on the OWC support pages.

Related Documents - OWCTB3ADP10GBE

[OWC Thunderbolt Go Dock Support Manual](#)
Comprehensive support manual for the OWC Thunderbolt Go Dock, detailing system requirements, hardware features, setup, device drivers, management, troubleshooting, and safety precautions.

[OWC 14-Port Thunderbolt 3 Dock Support Manual | Connectivity and Setup Guide](#)
Comprehensive support manual for the OWC 14-Port Thunderbolt 3 Dock. Learn about system requirements, package contents, port configurations, setup, OWC Innergize software, unmounting drives, troubleshooting, and safety precautions.

[OWC Thunderbolt Pro Dock User Guide](#)
User guide for the OWC Thunderbolt Pro Dock, a 10-port professional workflow solution. Details system requirements, connection, ports, drivers, troubleshooting, and support.

[OWC Thunderbolt 3 Dock User Guide: Setup, Features, and Support](#)
Official user guide for the OWC Thunderbolt 3 Dock. Provides detailed information on system requirements, package contents, port connections, usage notes, troubleshooting, and technical support for Mac and Windows users.

[OWC Thunderbolt 2 Dock User Guide: Setup, Features, and Support](#)
Comprehensive user guide for the OWC Thunderbolt 2 Dock, covering system requirements, port details, connection instructions, usage notes, troubleshooting, and technical support from OWC.

[OWC Gemini (1GbE) - Support Manual and User Guide](#)
Comprehensive support manual for the OWC Gemini (1GbE) storage solution, covering system requirements, setup, assembly, RAID configuration, device management, software, troubleshooting, and safety precautions.

Documents - OWC – OWCTB3ADP10GBE

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[OWC Thunderbolt 3 10G Ethernet Adapter - High-Speed Network Connectivity](#)
Enhance your computer's network capabilities with the OWC Thunderbolt 3 10G Ethernet Adapter, offering blazing-fast 10Gb/s speeds for large file transfers and professional workflows. Experience reliable, high-performance networking for creative professionals.
lang:en score:27 filesize: 633.13 K page_count: 2 document date: 2020-05-08

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