Cable Matters B0C4LX3KQC

Cable Matters 8-in-1 Portable 40Gbps USB4 Hub User Manual

Model: B0C4LX3KQC

1. Introduction

This manual provides detailed instructions for the Cable Matters 8-in-1 Portable 40Gbps USB4 Hub. This device is designed to expand the connectivity of your laptop or computer, offering multiple ports for display, data transfer, power delivery, and network access through a single USB4 or Thunderbolt 4 connection.



Image 1.1: The Cable Matters 8-in-1 Portable 40Gbps USB4 Hub, showcasing its compact design and integrated USB-C cable.

2. Product Features

The Cable Matters 8-in-1 Portable 40Gbps USB4 Hub offers a comprehensive set of features to enhance your productivity:

- **USB4 40Gbps Connectivity:** Utilizes advanced USB4 technology for high-speed data and video transmission.
- **Dual DisplayPort Outputs:** Supports up to two 4K@60Hz displays simultaneously, or a single display at 4K@240Hz or 8K@60Hz.
- **100W Power Delivery (PD):** Provides pass-through charging for your host device, up to 100 watts.
- **Gigabit Ethernet:** Integrated 1000Mbps Ethernet port for stable wired network access.
- **High-Speed USB Data Ports:**
  - 1x USB-C peripheral port (10Gbps data transfer)
  - 2x USB-A ports (10Gbps data transfer)
  - 1x USB 2.0 port (for keyboard/mouse or other low-bandwidth devices)

- **Compact and Portable Design:** Measures 3.9 x 2.7 x 0.6 inches and weighs 4 ounces, with an integrated cable for easy storage.



Image 2.1: An illustration detailing the various ports available on the 8-in-1 USB4 Hub, including USB-C, USB-A, Gigabit Ethernet, and DisplayPort outputs.

3. Setup Instructions

Follow these steps to set up your USB4 Hub:

1. **Connect to Host Device:** Plug the integrated USB-C cable from the hub into a USB4 or Thunderbolt 4 port on your laptop or computer. Ensure the host port supports video output and power delivery for full functionality.
2. **Connect Power (Optional, but Recommended):** For optimal performance and to charge your host device, connect a USB-C power adapter (up to 100W) to the USB-C PD input port on the hub.
3. **Connect Displays:** Use DisplayPort cables to connect your monitors to the DisplayPort outputs on the hub.
4. **Connect Peripherals:** Plug your USB devices (external drives, keyboard, mouse, etc.) into the available USB-A and USB-C data ports.
5. **Connect Ethernet:** For a wired network connection, plug an Ethernet cable into the Gigabit Ethernet port on the hub.



Image 3.1: A visual representation of connecting the USB4 Hub to a laptop, with a power adapter connected to the hub for 100W Power Delivery and an external drive connected for data transfer.

4. Operating Instructions

4.1 Display Configuration

The hub supports various display configurations depending on your operating system and host device capabilities.

- **Windows/Linux:** Supports up to two extended displays (e.g., laptop screen + two external monitors).
- **macOS/iPadOS:** Supports one extended display or two mirrored displays.

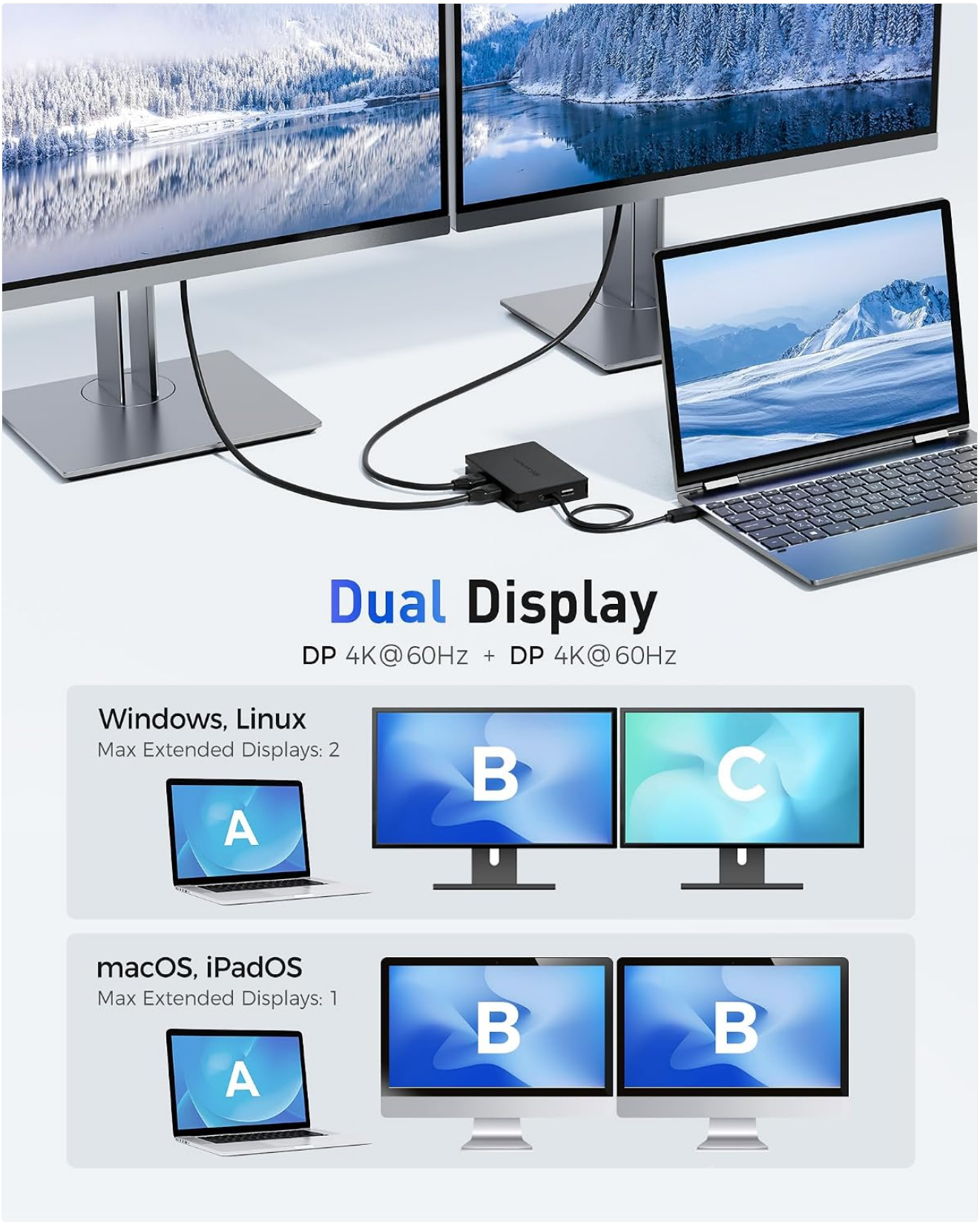


Image 4.1: A diagram illustrating dual display configurations for Windows/Linux (two extended displays) and macOS/iPadOS (one extended display or two mirrored displays).

4.2 Data Transfer

Utilize the USB-C and USB-A data ports for connecting external storage devices, flash drives, and other peripherals. The 10Gbps ports provide high-speed data transfer for efficient workflow.



Image 4.2: An illustration highlighting the 10Gbps data transfer speeds available through the USB-C 3.2 and USB-A 3.2 ports on the hub, comparing it to older USB standards.

4.3 Network Connection

The Gigabit Ethernet port provides a stable and fast wired internet connection, ideal for situations where Wi-Fi is unreliable or slower.



Image 4.3: A user connected to the internet via the hub's Gigabit Ethernet port, demonstrating a stable network connection during a video call.

5. Compatibility Notes

Please observe the following important compatibility information:

- **macOS Display Support:** macOS supports only one extended display up to 4K@120Hz or two mirrored displays.

- **Thunderbolt 3 / USB-C Hosts:** These hosts may support only 1x 4K@30Hz or 2x 1080p@60Hz displays.
- **High Resolution Requirements:** Achieving single 4K@240Hz or 8K@60Hz requires a DisplayPort 1.4 output over a USB4/Thunderbolt 4 host and certified DisplayPort cables.
- **No HDMI Output:** This hub features DisplayPort outputs only.
- **DDC/CI Not Supported:** Display Data Channel / Command Interface is not supported by this hub.



DisplayPort Output:

Video Resolution	Windows OS			Mac OS	
	Non-USB4 DP1.2	Non-USB4 DP1.4	USB4	Non-USB4	USB4
1920 x 1080 @ 60Hz	2	2	2	1	1
2560 x 1440 @ 60Hz	1	2	2	1	1
3840 x 2160 @ 30Hz	1	2	2	1	1
3840 x 2160 @ 60Hz	0	2	2	1	1
3840 × 2160 @ 120Hz	0	1	1	0	1
3840 × 2160 @ 240Hz	0	0	1	0	0
7680 x 4320 @ 60hz	0	0	1	0	0

*Thunderbolt 3 Laptop can support up to 1x 4K@30Hz or 2x 1080p@60Hz Videos

Image 5.1: A table detailing supported DisplayPort output resolutions for various operating systems (Windows OS, Mac OS) and host types (Non-USB4 DP1.2, Non-USB4 DP1.4, USB4).

6. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

- **No Display Output:**
  - Ensure your host device's USB-C port supports DisplayPort Alternate Mode.
  - Verify DisplayPort cables are securely connected and functional.
  - Check display settings on your computer to detect and extend/mirror displays.
  - Confirm your host device is USB4 or Thunderbolt 4 for optimal display performance.
- **No Power Delivery to Laptop:**
  - Ensure a compatible USB-C power adapter is connected to the hub's PD port.
  - Verify the power adapter provides sufficient wattage (up to 100W).
  - Confirm your host device supports USB-C Power Delivery.
- **Slow Data Transfer Speeds:**
  - Ensure connected USB devices are rated for 10Gbps (USB 3.2 Gen 2) or higher.
  - Avoid connecting high-bandwidth devices to the USB 2.0 port if faster speeds are required.
  - Verify your host device's USB4/Thunderbolt 4 connection is stable.
- **No Ethernet Connection:**
  - Check the Ethernet cable connection to both the hub and your router/modem.
  - Verify network drivers are up to date on your computer.
  - Restart your router/modem and computer.

7. Specifications

Feature	Specification
Model Number	B0C4LX3KQC
Brand	Cable Matters
Connectivity	USB4 (40Gbps), Thunderbolt 4 Compatible
Display Outputs	2x DisplayPort 1.4
Max Single Display Resolution	8K@60Hz or 4K@240Hz
Max Dual Display Resolution	2x 4K@60Hz
Power Delivery	Up to 100W Pass-Through Charging
Ethernet Port	1x Gigabit Ethernet (1000Mbps)
USB Data Ports	1x USB-C (10Gbps), 2x USB-A (10Gbps), 1x USB 2.0
Dimensions (L x W x H)	3.9" x 2.7" x 0.6"
Weight	4 Ounces

Color	Black
UPC	810115182146

8. Maintenance

To ensure the longevity and optimal performance of your USB4 Hub, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the hub. Avoid liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the hub in a cool, dry place away from direct sunlight and extreme temperatures. The integrated cable can be tucked into the housing for neat storage.
- **Handling:** Handle the hub with care. Avoid dropping it or exposing it to excessive force.
- **Ventilation:** Ensure the hub has adequate ventilation during operation to prevent overheating.



Image 8.1: The compact USB4 Hub being placed into a backpack, illustrating its portability and ease of storage.

9. Warranty and Support

Cable Matters products are backed by a limited warranty. For detailed warranty information, technical support, or to register your product, please visit the official Cable Matters website or contact their customer service. Keep your purchase receipt for warranty claims.

For further assistance, please refer to the Cable Matters support resources available online.

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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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