LENTION CB-TP-CE18sHCR-GRY

LENTION 8-in-1 USB-C Hub User Manual

Model: CB-TP-CE18sHCR-GRY | Brand: LENTION

1. Introduction

Thank you for choosing the LENTION 8-in-1 USB-C Hub. This versatile adapter expands the connectivity of your USB-C enabled devices, providing a comprehensive solution for various peripherals. It features a 4K@60Hz HDMI output, USB-C data sync, 100W Power Delivery, three USB 3.0 ports, and integrated SD/Micro SD card readers. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

2. Key Features

- **8-in-1 Expansion:** Integrates a 4K@60Hz HDMI output, USB-C data sync, 100W Type-C charging port, three USB 3.0 ports (up to 5Gbps data transfer), and SD/Micro SD card readers (up to 128G memory cards at SD 2.0 speed).
- **4K@60Hz Stunning Display:** Supports mirroring or extending your screen to an HDTV, monitor, or projector at resolutions up to 4K@60Hz. Ensure your host device supports DP 1.4 for 4K@60Hz output.
- **USB-C and USB-A 3.0 Data Transfer:** One USB-C data port and three USB-A 3.0 data ports provide 5Gbps super-speed data transfer, allowing quick file transfers and backups. Connect multiple devices such as flash drives, keyboards, mice, printers, mobile phones, and hard disks. Supports simultaneous connection of four data ports. (Note: The USB-C data port does not support media display or charging.)
- **Max 100W Type-C Power Delivery:** Provides up to 100W Super Fast Power Delivery pass-through to power your host devices (laptops, tablets, phones) and supply extra power to connected USB-A or USB-C peripherals simultaneously.
- **Universal Compatibility and Stable Driver 3.0 Certified:** Broadly compatible with MacBook Pro 2023-2016 & MacBook Air 2023-2018 (including M1, M2 Versions), New iMac/Pro, MacBook 12, Surface Pro 7/8 & Book 2/3 & Go, Chromebook, and other full-functional Type-C devices. LENTION's Stable Driver 3.0 standard ensures non-interference between connected peripherals, sufficient power supply, and normal operating temperatures without overheating.



Figure 2.1: Overview of the 8-in-1 USB-C Hub showing all available ports including HDMI, USB-C PD, USB 3.0, and SD/Micro SD card slots.



Figure 2.2: The hub facilitating a 4K@60Hz Ultra HD and vivid display connection from a laptop to an external monitor.

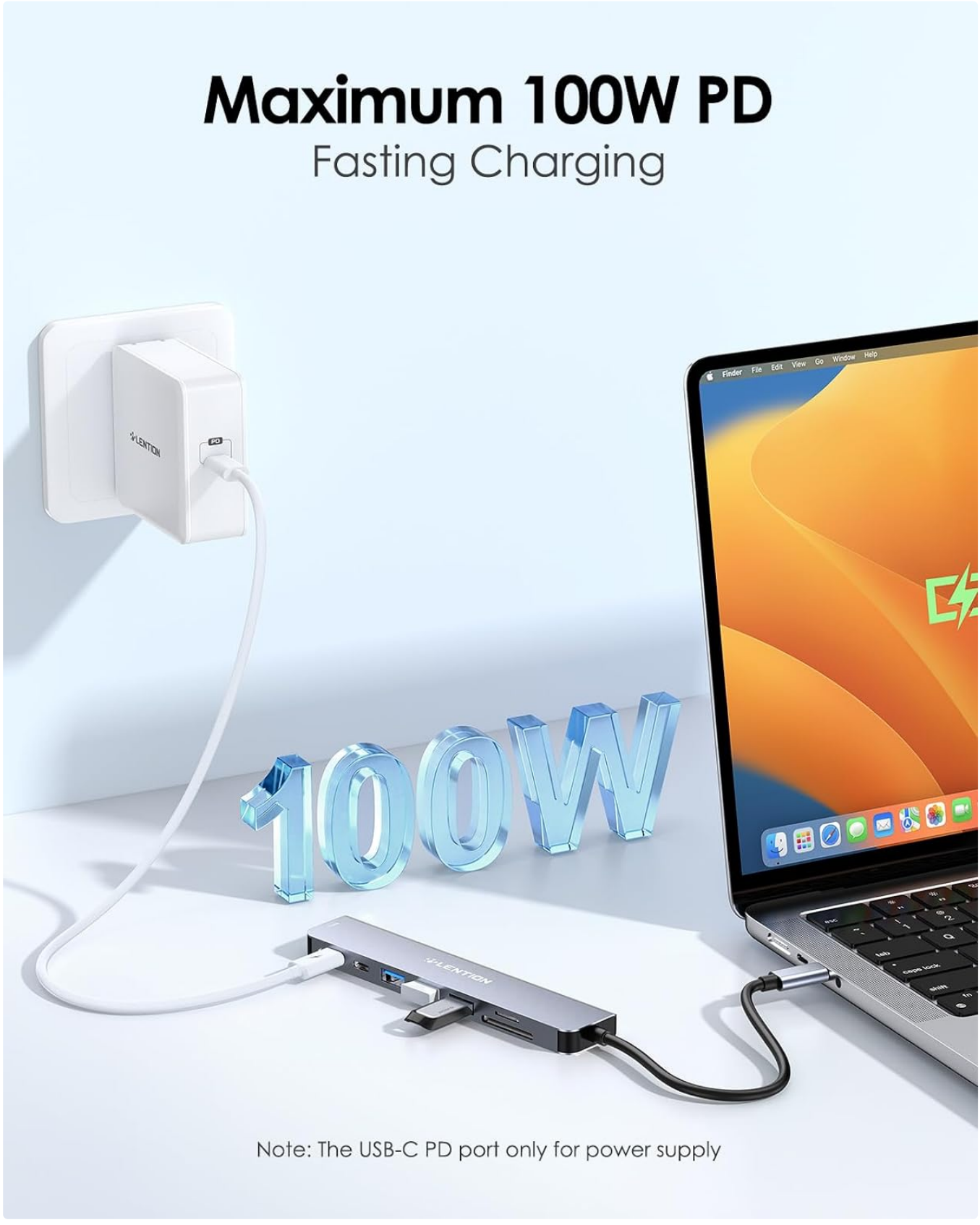

Figure 2.3: Illustrates the hub's maximum 100W Power Delivery capability, allowing fast charging of the connected laptop.

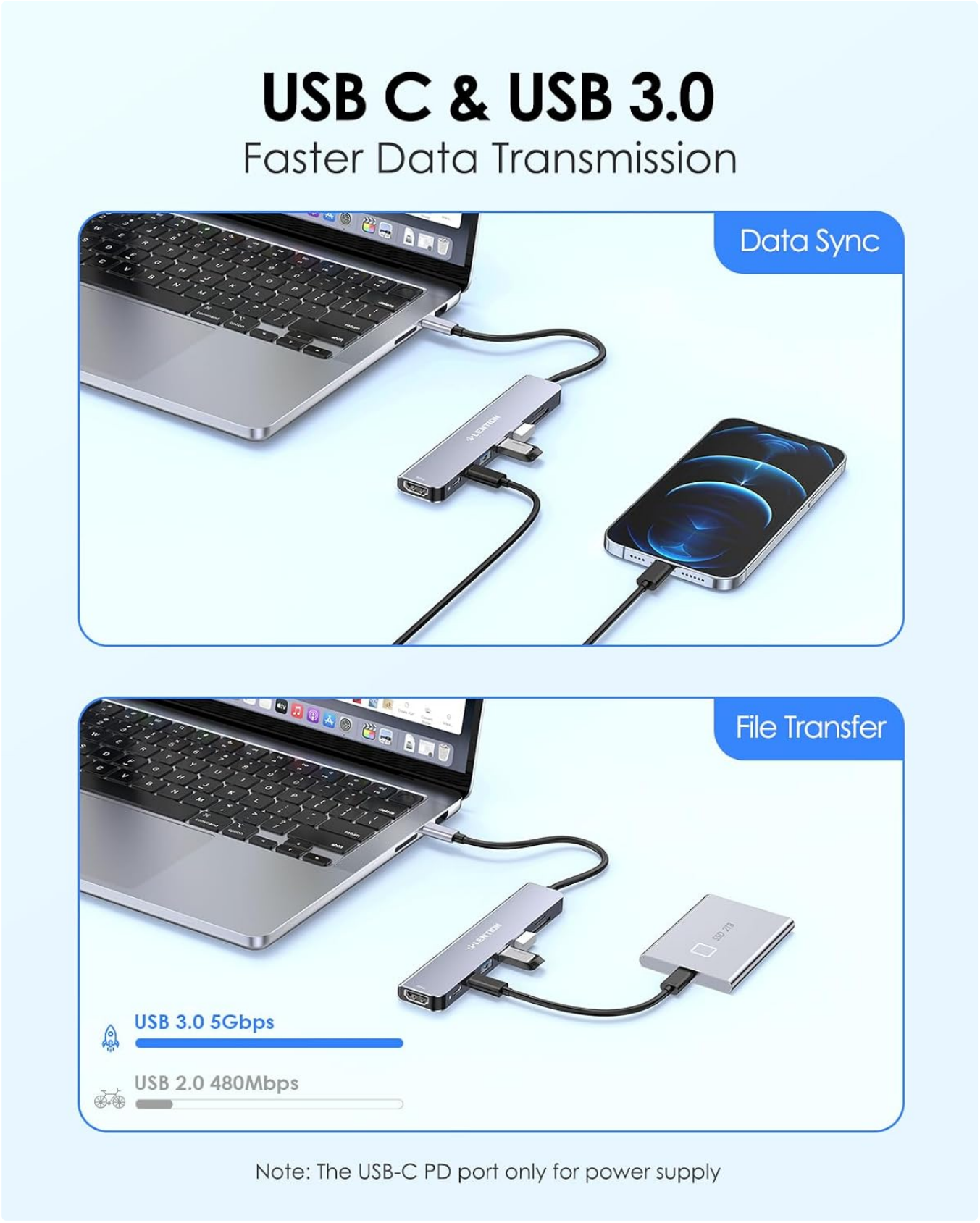

Figure 2.4: Demonstrates data synchronization and file transfer using the USB-C and USB 3.0 ports for faster data transmission.



Figure 2.5: Shows the compact and lightweight design of the hub, with dimensions provided for easy portability.



Figure 2.6: Highlights the wide compatibility of the hub with different devices like Macbooks, iPads, HDTVs, and various operating systems including Mac OS and Windows.

Product Overview Video

Your browser does not support the video tag.

Video 2.1: An official product video from LENTION demonstrating the features and connectivity of the 8-in-1 USB-C Hub, including its various ports and applications.

3. Setup Instructions

1. **Connect the Hub to Your Device:** Plug the USB-C connector of the LENTION 8-in-1 Hub into an available USB-C port on your laptop, tablet, or smartphone. Ensure the connection is secure.
2. **Power Connection (Optional but Recommended):** For optimal performance, especially when connecting multiple power-consuming peripherals or charging your host device, connect your original power adapter to the USB-C Power Delivery (PD) port on the hub.
3. **Driver Installation:** The LENTION 8-in-1 USB-C Hub is designed to be plug-and-play for most compatible operating systems (Windows, macOS, Chrome OS, Android). No additional drivers are typically required. If prompted, follow on-screen instructions.



Figure 3.1: The LENTION USB-C Hub ready for connection to a host device.

4. Operating Instructions

4.1. HDMI Port Usage

Connect an HDMI cable from the hub's HDMI port to your external monitor, TV, or projector. Your device should automatically detect the external display. You can then configure display settings (mirror or extend) through your operating system's display preferences. For 4K@60Hz output, ensure your host device's USB-C port supports DisplayPort 1.4 Alt Mode.

4.2. USB 3.0 Ports Usage

Plug your USB-A devices (e.g., flash drives, external hard drives, keyboards, mice, printers) into the three USB 3.0 ports. These ports support data transfer speeds up to 5Gbps. They are backward compatible with USB 2.0 devices.

4.3. USB-C Data Port Usage

The dedicated USB-C data port allows you to connect USB-C peripherals for data transfer at speeds up to 5Gbps. This port is for data only and does not support video output or charging of external devices.

4.4. SD/Micro SD Card Readers Usage

Insert your SD or Micro SD card into the corresponding slot. The hub supports simultaneous reading of both card types. Data transfer speeds are based on SD 2.0 standards, supporting cards up to 128GB. Ensure the card is inserted correctly until it clicks into place.

4.5. Power Delivery (PD) Port Usage

Connect your device's original USB-C power adapter to the USB-C PD port on the hub. This allows power to pass through the hub to charge your host device while using other ports. The hub supports up to 100W power input, with a portion used by the hub itself.

5. Maintenance

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the surface of the hub. Avoid using abrasive cleaners, solvents, or aerosol sprays that may damage the finish or internal components.
- **Storage:** Store the hub in a cool, dry place away from direct sunlight and extreme temperatures. When not in use, disconnect it from your device and store it safely to prevent damage to the connectors.
- **Handling:** Avoid dropping the hub or subjecting it to strong impacts. Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage.

6. Troubleshooting

Q: The HDMI display is not working or flickering.

A:

- Ensure your host device's USB-C port supports video output (DisplayPort Alt Mode).
- Verify that the HDMI cable is securely connected to both the hub and the display.
- Try a different HDMI cable or display to rule out external issues.
- Check your computer's display settings to ensure the external monitor is detected and configured correctly.
- If aiming for 4K@60Hz, confirm your host device supports DP 1.4.

Q: USB devices are not recognized or data transfer is slow.

A:

- Ensure the USB device is properly inserted into the hub's port.
- Try connecting the USB device directly to your computer to confirm it's functional.
- Some high-power USB devices may require additional power. Connect your power adapter to the hub's PD port.
- Disconnect and reconnect the hub to your host device.

Q: My laptop is not charging via the PD port.

A:

- Ensure your original power adapter is connected to the hub's USB-C PD port.

- Verify that your power adapter is functioning correctly.
- Check if your laptop's USB-C port supports Power Delivery.
- The hub itself consumes some power; ensure your power adapter provides sufficient wattage for both the hub and your laptop.

Q: The hub feels warm during use.

A:

- It is normal for the hub to become warm during operation, especially when multiple ports are in use or when charging. The LENTION Stable Driver 3.0 standard ensures devices work under normal temperature without overheating.
- If it becomes excessively hot, disconnect all peripherals and the power adapter, then reconnect after it cools down.

7. Specifications

Feature	Detail
Product Dimensions	5.83 x 1.1 x 0.39 inches
Item Weight	2.46 ounces
Model Number	CB-TP-CE18sHCR-GRY
Brand	LENTION
Color	Space Gray
Hardware Interface	HDMI, USB-C, USB 3.0, SD/Micro SD
Special Feature	Fast Charging (Power Delivery)
Compatible Devices	Card Readers, Laptops (MacBook Pro/Air, iMac/Pro, Surface Pro/Book/Go, Chromebook, etc.)
HDMI Output	Up to 4K@60Hz (requires DP 1.4 support from host)
USB 3.0 Data Transfer Speed	Up to 5Gbps
USB-C Data Transfer Speed	Up to 5Gbps (data only, no video/charging)
Power Delivery	Max 100W pass-through
Card Reader Speed	SD 2.0 speed, up to 128G cards

8. Warranty and Support

LENTION products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or customer service, please refer to the warranty card included with your product or visit the official LENTION website. You may also contact LENTION customer support directly for assistance with any product-related inquiries or issues.

LENTION Official Website: www.lention.com

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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.

Submit question