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Lemorele TC93

Lemorele USB C Hub Multiport Adapter 10-in-1 User Manual

Model: TC93 | Brand: Lemorele

1. Introduction

The Lemorele 10-in-1 USB C Hub Multiport Adapter is a versatile connectivity solution designed to expand the capabilities of your USB-C enabled devices. This compact and powerful hub provides a wide array of ports, including HDMI, Gigabit Ethernet, multiple USB data ports, Power Delivery, and card reader slots, making it an essential tool for productivity and entertainment.

Key Features:

- **10-in-1 Connectivity:** Integrates Gigabit Ethernet, 4K@30Hz HDMI, 2x USB 3.0, 2x USB 2.0, 1x USB C 3.0 data, 100W Power Delivery (PD), and Micro SD/TF card reader slots.
- **4K HDMI Output:** Supports crystal-clear video output up to 4K at 30Hz for external displays.
- **Gigabit Ethernet:** Provides stable and fast wired network connectivity up to 1000Mbps.
- **High-Speed Data Transfer:** USB 3.0 ports offer data transfer speeds up to 5Gbps, while USB 2.0 ports provide up to 480Mbps.
- **100W Power Delivery:** Allows charging of your laptop while using the hub, with up to 85W power delivery to the host device.
- **SD/TF Card Reader:** Conveniently access and transfer data from SD and TF cards.
- **Wide Compatibility:** Compatible with a broad range of USB-C/Thunderbolt 3/Type-C devices, including MacBook Pro/Air, iMac, iPad Pro/Air, Dell XPS, HP, Lenovo, and more, across various operating systems.
- **Plug and Play:** No drivers required for most operating systems.

2. Setup Guide

Follow these steps to set up your Lemorele USB C Hub:

1. **Connect to Host Device:** Plug the USB-C connector cable of the Lemorele hub into an available USB-C or Thunderbolt 3 port on your laptop, tablet, or smartphone. Ensure your device's USB-C port supports video output (DisplayPort Alternate Mode or Thunderbolt).
2. **Power Connection (Optional but Recommended):** For optimal performance and to charge your host device, connect your original USB-C power adapter to the 100W PD (Power Delivery) port on the hub.
3. **Connect Peripherals:** Begin connecting your desired peripherals to the corresponding ports on the hub:
    - **HDMI:** Connect an HDMI cable from the hub's HDMI port to your monitor, TV, or projector.
    - **Ethernet:** Connect an RJ45 Ethernet cable from your router/modem to the hub's Gigabit Ethernet port.

- **USB Devices:** Plug in USB flash drives, external hard drives, keyboards, mice, or other USB peripherals into the USB 3.0 or USB 2.0 ports.
- **SD/TF Cards:** Insert your SD or TF (Micro SD) cards into the respective card reader slots.

4. **Verify Connection:** Your operating system should automatically detect the connected devices. Check your display settings for external monitors, network settings for Ethernet, and file explorer for USB drives and memory cards.



Figure 2.1: Overview of the Lemorele 10-in-1 USB C Hub and its various connectivity options.

3. Operating Instructions

3.1 HDMI Display Output

The HDMI port supports resolutions up to 4K (3840 x 2160) at 30Hz, and is backward compatible with 1080P at 60Hz. Ensure your host device's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode) or is a Thunderbolt port for video output functionality.

- **Mirror Mode:** Duplicate your host device's screen onto the external display.
- **Extend Mode:** Extend your desktop across multiple screens, allowing for increased workspace.

Adjust display settings through your operating system's display preferences (e.g., System Preferences > Displays on macOS, Display Settings on Windows).



Figure 3.1: Demonstrating Mirror and Extend display modes using the 4K HDMI output.

3.2 USB Data Transfer

The hub features 2x USB 3.0 ports (up to 5Gbps) and 2x USB 2.0 ports (up to 480Mbps), along with 1x USB C 3.0 data port (up to 5Gbps). These ports are suitable for connecting various USB devices such as flash drives, external hard drives, keyboards, mice, and printers.

- Connect your USB devices directly to the available USB-A or USB-C data ports on the hub.
- For optimal performance with high-speed devices, use the USB 3.0 ports.
- Note: The USB-C data port is for data transfer only and does not support video output. The hub supports connecting only one HDD/SSD at a time.



Figure 3.2: High-speed data transmission via USB 3.0 ports.

3.3 Gigabit Ethernet Connection

The RJ45 Gigabit Ethernet port provides a stable and reliable wired internet connection, ideal for situations where Wi-Fi is unstable or unavailable. It supports speeds up to 1000Mbps and is backward compatible with 100Mbps/10Mbps networks.

- Plug an Ethernet cable into the RJ45 port on the hub and connect the other end to your network router or wall jack.
- Your host device should automatically detect the wired connection. Verify network status in your operating system's network settings.



Figure 3.3: Stable and fast RJ45 Gigabit Ethernet connection.

3.4 SD/TF Card Reader

The integrated SD and TF (Micro SD) card reader slots allow for quick and convenient access to data from memory cards. This is ideal for photographers, videographers, or anyone needing to transfer files from cameras or other devices.

- Insert your SD or TF card into the corresponding slot on the hub. Ensure the card is inserted correctly with the contacts facing down.
- The card will appear as a removable drive in your computer's file explorer.
- To safely remove the card, always eject it through your operating system before physically pulling it out.



Figure 3.4: Easily expand your PC with SD & TF slots.

3.5 Power Delivery (PD)

The 100W Power Delivery port allows you to charge your host device (laptop, tablet, etc.) while simultaneously using all other hub functions. This eliminates the need for multiple power adapters and keeps your workspace tidy.

- Connect your original USB-C power adapter to the PD port on the hub.
- The hub will pass through up to 85W of power to your connected laptop, with the remaining power used to operate the hub itself.



Figure 3.5: PD 100W Super Fast Charging capability.

3.6 Compatibility

The Lemorele USB C Hub is designed for broad compatibility with devices featuring a USB-C port that supports video output (DP Alt Mode or Thunderbolt) and various operating systems.

- **Compatible Host Devices:** MacBook Pro/Air (M1, M2, M3), iMac, iPad Pro/Air (M1), Dell XPS, ASUS ZENBOOK, HUAWEI, HP, Lenovo, Microsoft Surface, Steam Deck, Nintendo Switch, PS4/PS5, Chromecast with Google TV, and many USB-C enabled smartphones and tablets.
- **Compatible Operating Systems:** Mac OS, Windows, Chrome OS, Android, iOS, Linux.



Figure 3.6: Comprehensive compatibility list for the USB C Hub.

4. Maintenance

Proper care and maintenance will ensure the longevity and optimal performance of your Lemorele USB C Hub.

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the hub. Avoid using liquid cleaners, aerosols, or abrasive solvents.
- **Storage:** When not in use, store the hub in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the hub or subjecting it to strong impacts. Do not bend the cable excessively, especially near the connectors.
- **Ventilation:** Ensure the hub has adequate ventilation during operation to prevent overheating, especially when multiple high-power devices are connected.

5. Troubleshooting

If you encounter issues with your Lemorele USB C Hub, refer to the following common problems and solutions:

5.1 No Video Output via HDMI

- **Check Host Device Compatibility:** Ensure your laptop/tablet's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode) or is a Thunderbolt 3/4 port. Not all USB-C ports support video output.
- **Verify Cable Connection:** Ensure the HDMI cable is securely connected to both the hub and the display. Try a different HDMI cable.
- **Display Settings:** Check your operating system's display settings to ensure the external monitor is detected and configured correctly (e.g., extended or mirrored).
- **Power Supply:** Connect a power adapter to the hub's PD port, especially if you are connecting a high-resolution display or multiple power-hungry devices.
- **Restart Devices:** Disconnect the hub, restart your host device and monitor, then reconnect the hub.

5.2 USB Devices Not Detected or Slow Transfer Speeds

- **Power Supply:** Ensure the hub is receiving sufficient power. Connect a power adapter to the PD port if you are using multiple USB devices, especially external hard drives.

- **Port Usage:** If connecting an HDD/SSD, only connect one at a time.
- **Cable Quality:** Use high-quality USB cables for your peripherals.
- **Driver Issues:** While the hub is plug-and-play, ensure your host device's USB drivers are up to date.
- **Resource Conflict:** Disconnect other power-intensive peripherals and test the problematic device individually.

5.3 Ethernet Connection Issues

- **Cable Check:** Ensure the Ethernet cable is securely connected to both the hub and your router/modem. Try a different Ethernet cable.
- **Router/Modem Status:** Verify that your router/modem is functioning correctly and providing an internet connection.
- **Network Settings:** Check your host device's network settings to ensure the wired connection is enabled and configured for DHCP (automatic IP address).
- **Driver:** Although typically plug-and-play, ensure your operating system has the necessary network drivers.

5.4 Hub Overheating

- It is normal for the hub to become warm during extended use, especially when multiple ports are active or when charging.
- **Reduce Load:** If it feels excessively hot, try disconnecting some peripherals or ensuring adequate ventilation around the hub.
- **Power Supply:** Ensure you are using a compatible power adapter for PD charging.

6. Specifications

Feature	Specification
Model Number	TC93
Ports	10 (1x HDMI, 1x Gigabit Ethernet, 2x USB 3.0, 2x USB 2.0, 1x USB C 3.0 Data, 1x 100W PD, 1x SD Card Reader, 1x TF Card Reader)
HDMI Resolution	Up to 4K@30Hz (3840 x 2160), backward compatible with 1080P@60Hz
Ethernet Speed	10/100/1000Mbps Gigabit Ethernet
USB 3.0 Data Speed	Up to 5Gbps
USB 2.0 Data Speed	Up to 480Mbps
USB C Data Speed	Up to 5Gbps (data only)
Power Delivery (PD)	Up to 100W input, 85W output to host device
Card Reader Support	SD, Micro SD (TF)
Product Dimensions	4.65 x 1.65 x 0.63 inches (11.8 x 4.2 x 1.6 cm)

Feature	Specification
Item Weight	2.39 ounces (67.7 grams)
Cable Length	Approx. 10.4 inches (26.4 cm)
Material	Aluminum Alloy (for heat dissipation)



Figure 6.1: Product dimensions of the Lemorele USB C Hub.

7. Warranty and Support

Lemorele is committed to providing high-quality products and excellent customer service. Your Lemorele USB C Hub Multiport Adapter comes with comprehensive support.

- **Lifetime Technical Support:** Access to technical assistance for the lifespan of your product.
- **Lifetime Returns and Exchanges:** For any manufacturing defects or performance issues, the product is eligible for returns and exchanges.
- **24-hour Online Support:** Dedicated support available around the clock for your queries and concerns.

For further assistance, please refer to the contact information provided with your product packaging or visit the official Lemorele website.

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