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Lemorele Black-13 in 1 10Gbps

Lemorele 13-in-1 USB C/A 10Gbps Docking Station User Manual

Model: Black-13 in 1 10Gbps
Brand: Lemorele

1. Introduction

Thank you for choosing the Lemorele 13-in-1 USB C/A 10Gbps Docking Station. This versatile hub is designed to expand the connectivity of your laptop, tablet, or phone, providing a wide array of ports for enhanced productivity and convenience. With its plug-and-play functionality, strong cooling, and practical size, it's an ideal solution for both professional and personal use.

This manual provides detailed instructions on how to set up, operate, and maintain your docking station, along with troubleshooting tips to ensure a seamless experience.

2. Product Overview

The Lemorele 13-in-1 Docking Station offers extensive connectivity options, transforming a single USB-C port into multiple essential connections. Below is a detailed look at its features and ports:



Figure 2.1: Overview of the Lemorele 13-in-1 Docking Station and its extensive connectivity.

Key Features:

- **13-in-1 Extreme Expansion:** Includes 1Gbps Ethernet, 2 x HDMI 4K@30Hz, VGA Port, 2 x USB-A 3.1 10Gbps, 2 x USB-A 2.0, Power Delivery 100W Port, 3.5mm Audio Port, SD/TF Port, and USB-C Data 3.0 10Gbps.
- **100W PD 3.0:** Supports up to 100W power delivery to charge your host device while using the hub.
- **Gigabit Ethernet:** Provides a stable and fast wired network connection up to 1000Mbps.
- **Super Speed Data Transfer:** USB-C 3.0 data port and 2 USB 3.0 ports offer up to 5120Mbps. USB 2.0 ports offer up to 480Mbps. SD and TF card slots support 60M/s reading speed.
- **Plug and Play:** No drivers, programs, or software required for operation.
- **Strong Cooling:** Intelligent high-level microchip and various protection systems prevent over-current, over-voltage, short circuit, and high temperatures.
- **Portable Size:** Compact design (6.7 x 1.7 x 0.6 inches) with a 7.87-inch cable for easy portability.



Figure 2.2: Side view of the docking station highlighting SD/TF card slots and USB data ports.

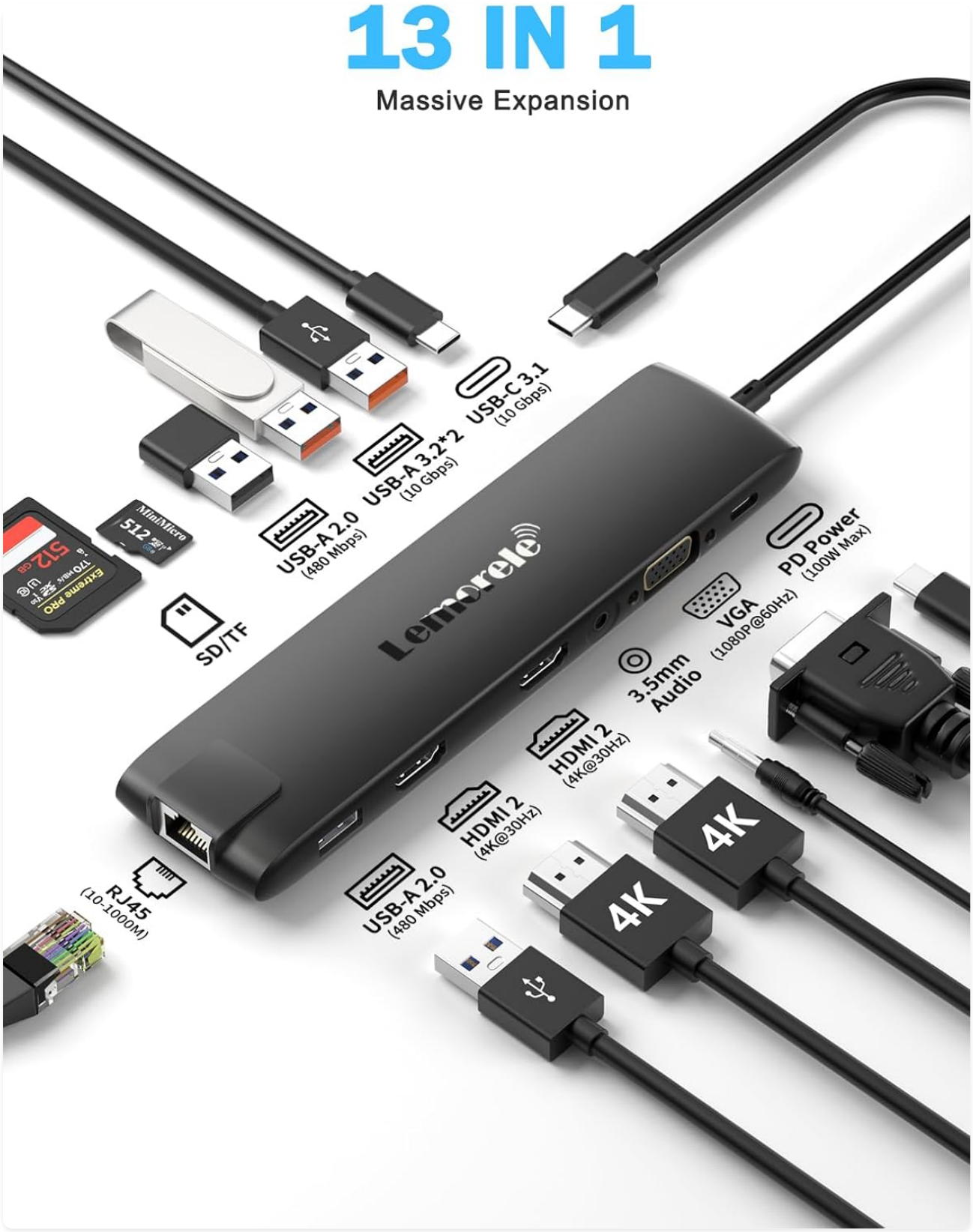


Figure 2.3: Top view of the docking station highlighting power, video, audio, and network ports.

3. Setup

Setting up your Lemorele Docking Station is straightforward due to its plug-and-play design. No additional drivers or software installations are required.

Initial Connection:

1. Connect the integrated USB-C cable of the docking station to a full-featured USB-C port on your laptop, tablet, or phone.
2. For optimal performance and to charge your host device, connect a USB-C Power Delivery (PD) adapter (up to 100W) to the PD port on the docking station.
3. Connect your desired peripherals (monitors, USB devices, Ethernet cable, audio devices, SD/TF cards) to the corresponding ports on the docking station.



Figure 3.1: Connecting the docking station for power delivery and device charging.

4. Operating Instructions

This section details how to utilize the various functions of your Lemorele Docking Station.

4.1 Display Connectivity

The docking station supports multiple display configurations via its HDMI and VGA ports.

- **Single HDMI Connection:** When only one HDMI port is used, it supports a maximum resolution of 4K@30Hz on a 4K display for both macOS and Windows systems.
- **Dual HDMI Connection:** When using two HDMI ports simultaneously on a 4K/2K display:
  - macOS systems support a maximum of 4K@30Hz.
  - Windows systems support a maximum of 1080p@60Hz.
- **VGA Only or HDMI + VGA Connection:** Supports a maximum resolution of 1080p@60Hz.
- **macOS Display Modes:** macOS laptops only support SST (Single Stream Transport) mode, meaning all external monitor screens will display the same content (Mirror mode: A→A+A+A or Extended mode: A→B+B+B). Triple-screen extended display (A→B+C+D) is not supported.
- **Windows Display Modes:** Windows systems support both Mirror mode (A→A+A+A) and Extended mode (A→B+B+C).

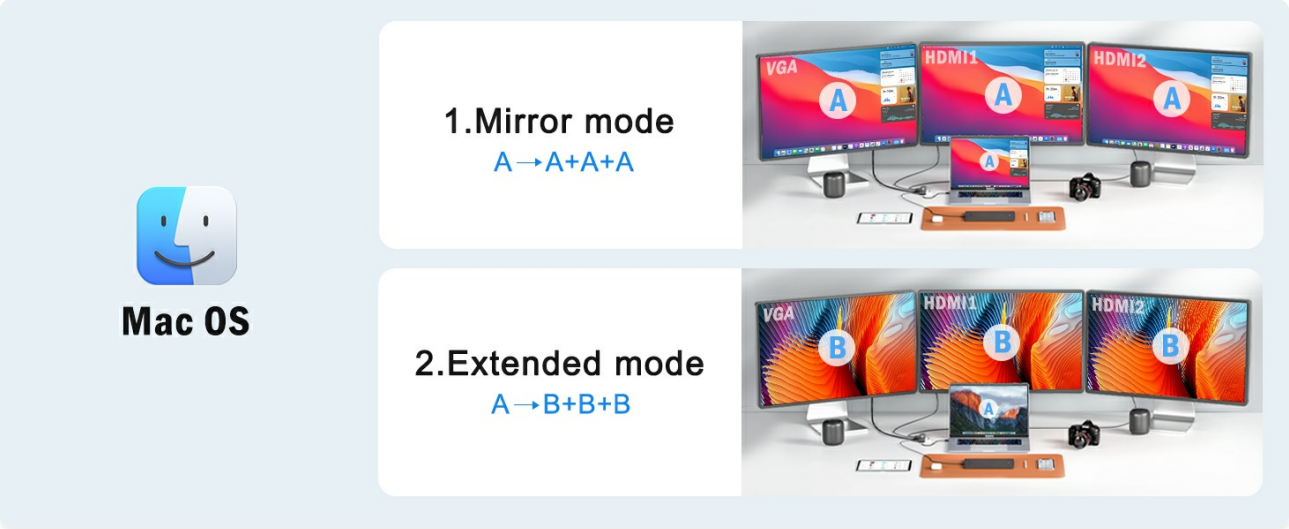


Figure 4.1: Mac OS display configurations.

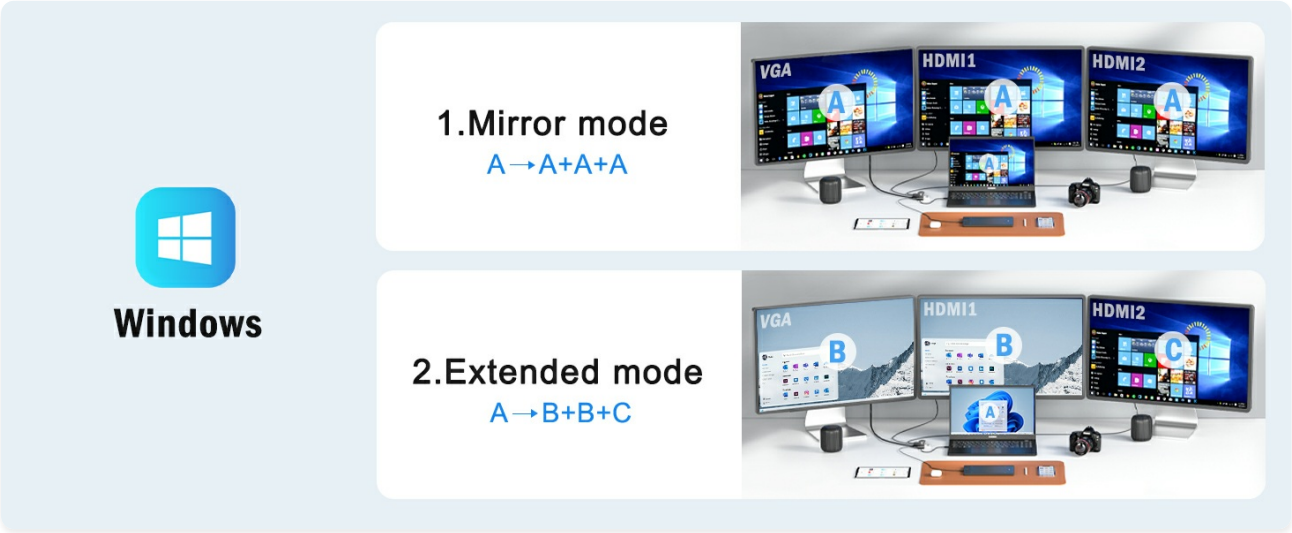


Figure 4.2: Windows display configurations.

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Video 4.1: Official guide on how to operate the 3-monitor docking station, demonstrating various connections and display modes.

4.2 Data Transfer

The docking station provides multiple USB ports and card readers for high-speed data transfer.

- **USB-C 3.0 Data Port & USB 3.0 Ports:** Max data transmission up to 5120Mbps. Ideal for connecting phones, hard disks, and printers.
- **USB 2.0 Ports:** Data transmission up to 480Mbps. Recommended for connecting less speed-sensitive devices like thumb drives, keyboards, and mice.
- **SD/TF Card Slots:** Support reading speeds up to 60M/s. Note that SD and TF cards cannot be used simultaneously.



Figure 4.3: Illustration of Super-Speed USB 3.1 Gen2 data transfer capabilities.



Figure 4.4: High-speed data transmission for various connected devices.

4.3 Network Connectivity

The integrated Gigabit Ethernet port provides a reliable and fast wired internet connection, serving as an excellent alternative when wireless networks are unstable or unavailable.

- Connect an Ethernet cable to the RJ45 port on the docking station.
- The docking station will automatically establish a wired network connection for your host device.



Figure 4.5: High-speed network connection via Gigabit Ethernet.

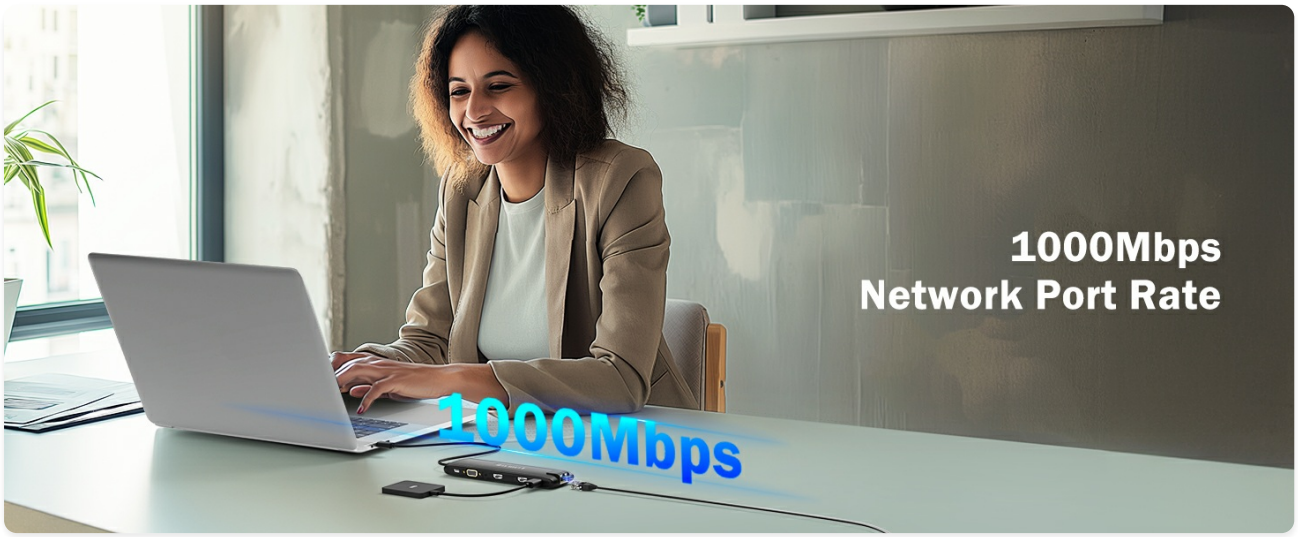


Figure 4.6: Demonstrating the 1000Mbps network port rate for stable internet.

4.4 Audio Output

The 3.5mm audio port on the docking station supports audio output only. It does not support microphone input or USB-C headphones.

5. Specifications

Feature	Description
Product Dimensions	6.77 x 1.65 x 0.63 inches
Item Weight	3.53 ounces
Hardware Interface	VGA, USB Type C, Ethernet, HDMI, USB 3.0, USB 2.0
Power Delivery	Up to 100W (PD 3.0)
HDMI Output	2 x 4K@30Hz (single), 4K@30Hz (Mac dual), 1080p@60Hz (Windows dual)
VGA Output	1 x 1080p@60Hz
USB-A 3.1 Data Ports	2 x 10Gbps
USB-A 2.0 Data Ports	2 x 480Mbps
USB-C Data Port	1 x 10Gbps
Ethernet Port	1 x Gigabit (10/100/1000Mbps)
Audio Port	1 x 3.5mm (audio output only)
Card Reader	SD/TF (60M/s reading speed, cannot be used simultaneously)
Compatible Devices	Tablets, Phone, Keyboards, Laptops, TV Box

Feature	Description
Supported Operating Systems	Windows, macOS, iPadOS, Chrome OS, Linux, Android



Figure 5.1: Product dimensions for portability.

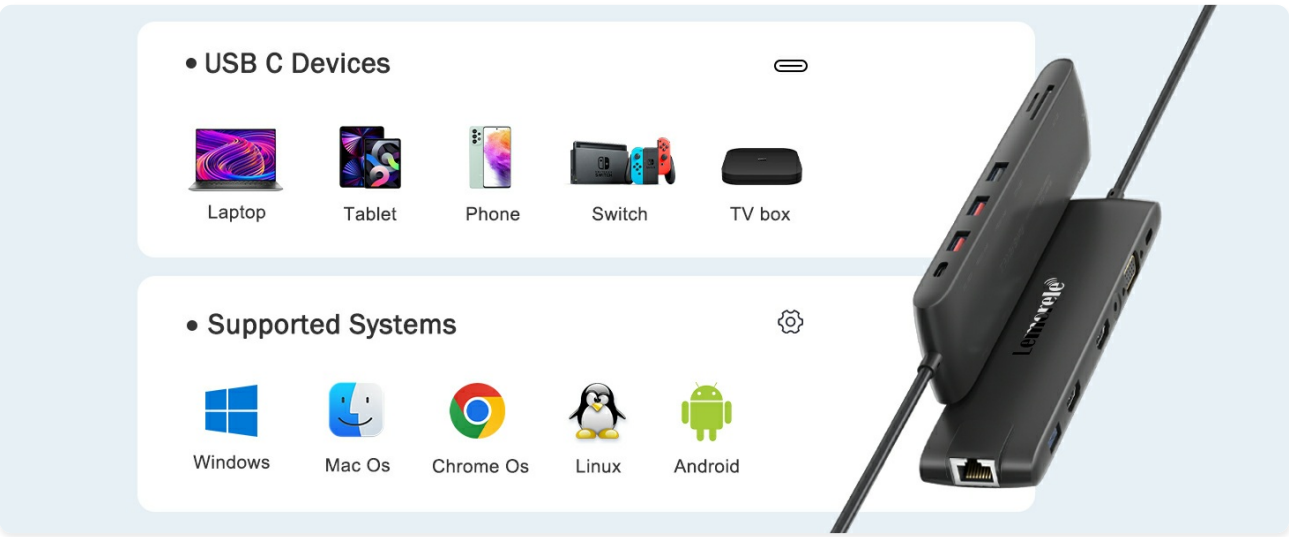


Figure 5.2: Compatible devices and supported operating systems.

6. Troubleshooting

This section addresses common issues and provides solutions for your Lemorele Docking Station.

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Video 6.1: An overview of the Lemorele TC96 13-in-1 10Gbps Docking Station, showcasing its features and connectivity.

Common Questions & Solutions:

- **Q: How do I set the HDMI monitor to mirror or extend mode?**
  A (Windows OS): Press the Windows + P keys to select the display mode, or go to "System Settings" and find "Display Settings" to adjust the display mode.
  A (macOS): Open "System Preferences" go to the "Displays" option, and from there, you can choose to set the display to mirror or extend mode.
- **Q: Why is the external hard drive not recognized or does the connection unexpectedly drop when transferring data?**
  A: The external hard drive may draw more power than the laptop's USB-C port can supply, causing connection issues. It is recommended to use a PD power adapter connected to the hub's USB-C PD port to ensure stable power supply and prevent connection interruptions.
- **Q: Does the HUB require driver installation before use?**
  A: The Hub is a plug-and-play external device and generally does not require manual driver installation.
- **Q: Why is there no audio output when connecting a 3.5mm audio device?**
  A: Please confirm that your laptop's USB-C port supports audio and video output. The HUB's 3.5mm audio output follows the HDMI audio output. You need to switch the laptop's audio output settings to LCD or HDMI audio output. Some monitors may lack audio drivers, which can lead to the 3.5mm audio port not being recognized after connecting to an HDMI monitor. Please use a monitor with HDMI audio capabilities for connection.
- **Q: Why can't I set a higher resolution when connecting multiple HDMI monitors?**
  A (Windows systems): When connecting multiple HDMI monitors, the maximum supported resolution is 1080p@60Hz. If only one HDMI monitor is connected, the resolution depends on the capabilities of both the laptop and the monitor, with a maximum of 4K@30Hz.

A (macOS systems): On macOS, the maximum supported resolution is 4K@30Hz.

- **Q: Why can't the SD card be read?**
  A: Please check if the SD card is inserted correctly and ensure that the card's file format is compatible with the device.
- **Q: Does the laptop's USB-C port support audio and video output, so why is there no display when connecting to an HDMI monitor?**
  A: Please try disconnecting the HUB from the laptop, shutting down the laptop, and then pressing and holding the power button for 40 seconds to discharge any static electricity. After that, reconnect the HUB and try again.
- **Q: Why is the HUB intermittently disconnecting and not recognizing the Ethernet connection?**
  A: Please first check if the Ethernet cable is connected properly and verify that there are no IP address conflicts in the network settings. If the issue persists, it is recommended to download the latest network drivers from the official website to ensure the device operates correctly.
- **Q: Why is there no charging indication when connecting the PD power adapter?**
  A: Please confirm whether your laptop's USB-C port supports PD charging functionality and check if the power adapter is connected properly. If the issue persists, it is recommended to try connecting a different PD power adapter to rule out compatibility issues with the PD charging protocol.
- **Q: Does the HUB's HDMI port support other refresh rates?**
  A: By default, it supports 1080P@60Hz and 4K@30Hz resolutions. When connecting a single HDMI monitor, the resolution display depends on the laptop's USB-C port and the monitor's supported resolution (e.g., 2560x1440P@144Hz).
- **Q: Can a USB-C monitor be connected?**
  A: No, the hub's USB-C PD port only supports connecting to a PD power adapter, and the USB-C data port only supports connecting storage devices for data transfer. To connect a monitor, please use the HDMI connection.
- **Q: Can the 3.5mm audio port be used for microphone input?**
  A: The 3.5mm audio port only supports audio output and does not support microphone input.
- **Q: Does it support connecting USB-C headphones?**
  A: The hub's USB-C port does not support audio output. Please use headphones connected via the USB-A or 3.5mm audio port.
- **Q: Why does my laptop indicate slow charging when I connect the charger?**
  A: The Hub itself requires at least 15W of power to operate. It is recommended to use a higher wattage PD power adapter (preferably up to 100W). This ensures that there is sufficient power supplied to both the Hub and the laptop, avoiding slow charging issues.
- **Q: How do I set a higher resolution and display mode when connecting a VGA monitor?**
  A: The VGA monitor supports up to 1080P@60Hz. When connecting multiple HDMI and VGA monitors, the maximum supported resolution is 1080P@60Hz. In extended mode settings, the VGA display follows the HDMI port next to it.
- **Q: Can I use a USB-C extension cable to connect the HUB?**
  A: Using a USB-C extension cable may weaken the signal leading to some ports (such as HDMI) not displaying properly. It is not recommended to use a USB-C extension cable.

7. Maintenance

To ensure the longevity and optimal performance of your Lemorele Docking Station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surface of the docking station. Avoid using liquid cleaners or abrasive materials that could damage the finish or internal components.
- **Storage:** Store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the device to strong impacts. Do not bend the integrated USB-C cable excessively.
- **Ventilation:** Ensure the docking station has adequate ventilation during use to prevent overheating, especially when multiple devices are connected and operating.

8. Warranty and Support

Lemorele products are designed for reliability and performance. For any technical assistance, warranty claims, or product inquiries, please contact Lemorele customer support through the official channels provided at the point of purchase or on the official Lemorele website.

Please retain your proof of purchase for warranty purposes.

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