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Lemorele 10-in-1 USB C Docking Station

Lemorele 10-in-1 USB C Docking Station User Manual

Model: 10-in-1 USB C Docking Station

PRODUCT OVERVIEW

The Lemorele 10-in-1 USB C Docking Station is a versatile connectivity hub designed to expand the capabilities of your USB-C enabled laptop. It provides a comprehensive solution for connecting multiple peripherals, external displays, and charging your device through a single USB-C port. This docking station is ideal for enhancing productivity in various computing environments.

Key features include:

- **Triple Display Output:** Two HDMI ports (up to 4K@30Hz) and one VGA port (up to 1080P@60Hz) for multi-monitor setups.
- **High-Speed Data Transfer:** One USB 3.0 port (5Gbps) and two USB 2.0 ports (480Mbps).
- **Card Reader:** Integrated SD and TF card slots for simultaneous reading/writing.
- **Power Delivery:** USB-C PD port supporting up to 100W input (95W output) for laptop charging.
- **Audio Connectivity:** 3.5mm audio jack for headphones or speakers.

10-in-1

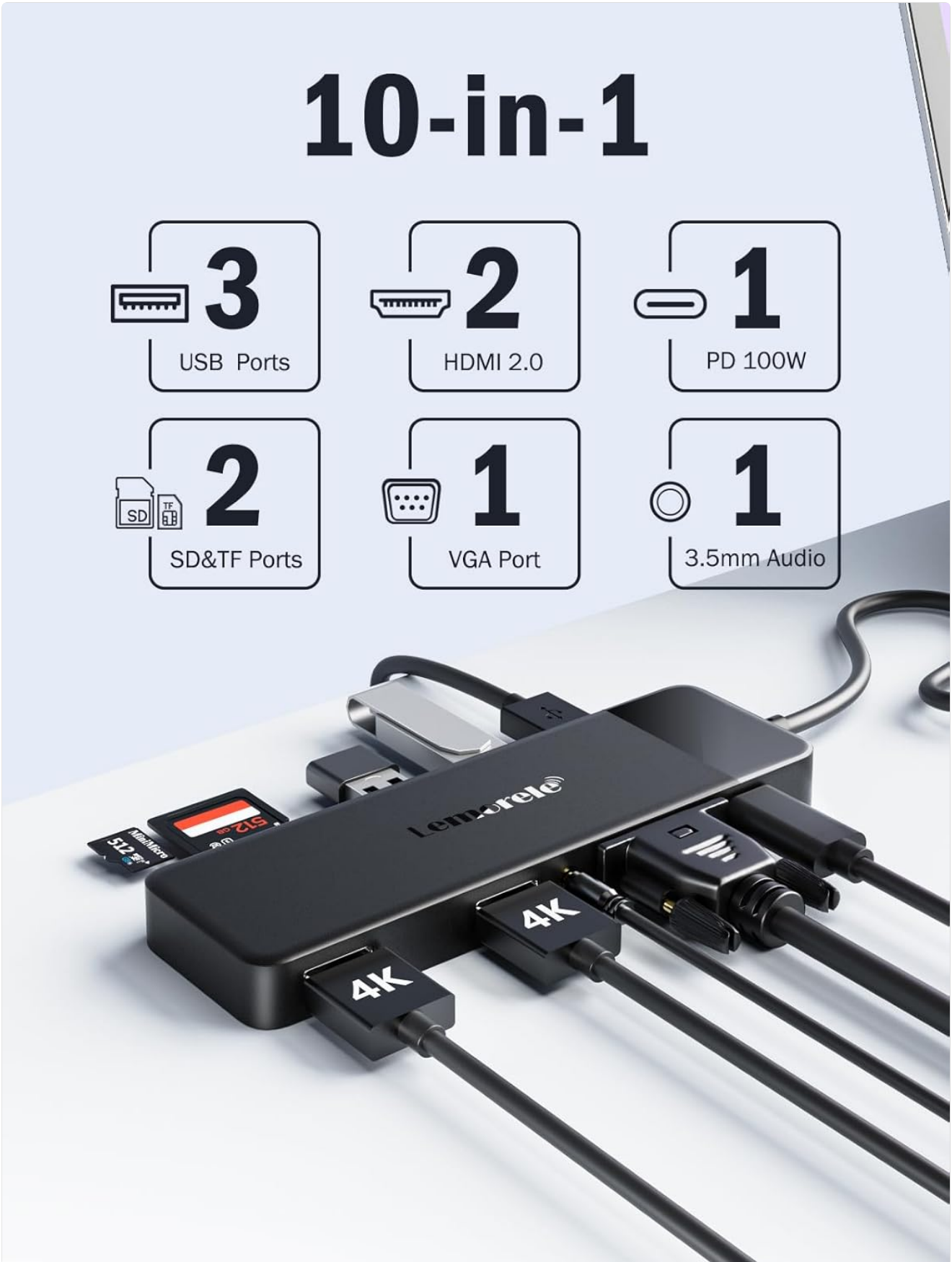


Figure 2: An illustration detailing the 10 distinct ports available on the docking station, including USB, HDMI, Power Delivery, SD/TF card slots, VGA, and a 3.5mm audio jack.

SETUP GUIDE

Follow these steps to set up your Lemorele 10-in-1 USB C Docking Station:

1. **Compatibility Check:** Ensure your laptop's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode). This is crucial for video output. Refer to your laptop's specifications or the manufacturer's website.
2. **Connect Power (Optional but Recommended):** If your laptop requires charging, connect your laptop's original USB-C power adapter to the PD (Power Delivery) port on the docking station. The docking station supports up to 100W power input.
3. **Connect to Laptop:** Plug the integrated USB-C cable of the docking station into a compatible USB-C port on your laptop.
4. **Connect Peripherals:**
 - **Displays:** Connect your HDMI monitors to the HDMI ports and your VGA monitor to the VGA port.
 - **USB Devices:** Connect USB devices such as keyboards, mice, external hard drives, or USB flash drives to the USB 3.0 and USB 2.0 ports. For wireless mouse/keyboard, it is recommended to use USB 2.0 ports.
 - **SD/TF Cards:** Insert SD or TF memory cards into the corresponding slots.
 - **Audio Devices:** Connect headphones or speakers to the 3.5mm audio jack.
5. **Driver Installation:** The docking station is generally plug-and-play and does not require additional drivers for most operating systems. If you encounter issues, ensure your laptop's graphics drivers and USB-C port drivers are up to date.



Figure 3: Visual guide to identifying compatible USB-C ports on your laptop. The docking station requires a USB-C port that supports DisplayPort Alternate Mode (DP Alt Mode) or Thunderbolt 3/4 for full functionality.

OPERATING INSTRUCTIONS

Once connected, the docking station extends your laptop's capabilities. Here's how to utilize its features:

Display Configuration

The Lemorele docking station supports various display modes depending on your operating system.

Windows Operating System:

Windows supports both Mirror Mode (SST) and Extended Mode (MST).

- **Mirror Mode (AAA):** All connected displays show the same content as your laptop screen.
- **Extended Mode (ABC):** Each connected display can show different content, allowing for a multi-tasking

workspace.

Resolution Capabilities:

- **Single Port:** HDMI supports up to 4K@30Hz, VGA supports up to 1080P@60Hz.
- **Dual Displays:**
 - HDMI 1 + HDMI 2: Up to 4K@30Hz
 - HDMI 1 + VGA: Up to 1080P@60Hz
 - HDMI 2 + VGA: Up to 1080P@60Hz
- **Triple Displays:** HDMI 1 + HDMI 2 + VGA: Up to 1080P@60Hz. (Note: When dual HDMI and VGA work simultaneously, the monitor connected to VGA follows HDMI 1).



Figure 4: Illustration of display configurations for Windows, showing both Mirror Mode (all screens display the same content) and Extended Mode (each screen displays different content).

Mac OS can extend 4K

by connecting one or two monitors



Figure 5: Demonstrates how Windows laptops can expand to a single 4K monitor via HDMI or a single 1080P monitor via VGA using the docking station.

macOS Operating System:

Due to macOS limitations, it primarily supports SST (Single Stream Transport) modes.

- **Mirror Mode (AAA):** All connected displays show the same content as your MacBook screen.

- **Extended Mode (ABB):** Your MacBook screen is extended, and all external monitors display the same extended content.

Resolution Capabilities:

- **Single Port:** HDMI supports up to 4K@30Hz, VGA supports up to 1080P@60Hz.
- **Dual Displays:**
 - HDMI 1 + HDMI 2: Up to 4K@30Hz
 - HDMI 1 + VGA: Up to 1080P@60Hz
 - HDMI 2 + VGA: Up to 1080P@60Hz
- **Triple Displays:** HDMI 1 + HDMI 2 + VGA: Up to 1080P@60Hz. (Note: When dual HDMI and VGA work simultaneously, the monitor connected to VGA follows HDMI 1).

100W Power Delivery

Experience robust charging capabilities with up to 87 watts of power for your laptops, smartphones and tablets. Designed to occupy your PD port it ensures your devices are powered up quickly without disrupting your workflow or play.



Figure 6: Illustration of display configurations for macOS, showing both Extended Mode (external screens mirror each other but extend the laptop display) and Mirror Mode (all screens display the same content).

High-Speed Pass-Through Charging



Figure 7: Demonstrates how macOS can extend to one or two 4K monitors using the docking station.

Data Transfer and Charging

- **USB Ports:** Use the USB 3.0 port for high-speed data transfer (up to 5Gbps) with devices like external hard drives. The USB 2.0 ports are suitable for peripherals such as keyboards, mice, and printers.
- **SD/TF Card Reader:** The integrated card reader allows simultaneous access to SD and TF cards, with

reading/writing speeds of up to 20MB/s. This is useful for transferring photos and videos.

- **Power Delivery (PD):** The USB-C PD port supports fast charging for your laptop, delivering up to 95W of power. Note that this PD port is for power input only and does not support data transfer.
- **3.5mm Audio:** Connect your audio devices to the 3.5mm jack for sound output.

Fast transfer rate

5Gbps

USB 3.0 Ports



Figure 8: Illustration of the 100W Power Delivery feature, showing power input to the docking station and subsequent charging output to a connected laptop.



SD/TF **Can be read simultaneously**

Figure 9: Depicts the fast data transfer rate of 5Gbps through the USB 3.0 ports, suitable for connecting external storage devices.

Enjoy music without restrictions



3.5mm
Audio

Figure 10: Shows the SD/TF card slots, emphasizing their ability to read and write simultaneously, beneficial for photographers and content creators.

Display What You Want

Mirror mode



Extended mode 1



Extended mode 2



Figure 11: Illustrates the 3.5mm audio port, allowing connection of headphones or speakers for audio output.

MAINTENANCE

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

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the docking station. Avoid using liquid cleaners, aerosols, or abrasive solvents.
- **Storage:** When not in use, store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts. Do not bend or pull the integrated USB-C cable excessively.
- **Ventilation:** Ensure the docking station has adequate ventilation to prevent overheating, especially during prolonged use with multiple connected devices.

TROUBLESHOOTING

If you encounter issues with your Lemoirele docking station, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display output / Flickering screen	Laptop USB-C port does not support DP Alt Mode; Loose cable connection; Outdated graphics drivers; Incorrect display settings.	<ul style="list-style-type: none"> • Verify laptop USB-C port compatibility. • Ensure all cables (USB-C to laptop, HDMI/VGA to monitors) are securely connected. • Update your laptop's graphics drivers. • Adjust display settings on your laptop (e.g., detect displays, change resolution, extend/duplicate mode). • Try disconnecting all devices from the hub, turning off the laptop, holding the power button for 40 seconds, then reconnecting.
USB devices not recognized	Insufficient power; Loose connection; Driver issues.	<ul style="list-style-type: none"> • Ensure the docking station is receiving sufficient power, especially if connecting power-hungry devices. Connect your laptop's power adapter to the PD port. • Reconnect the USB device and the docking station to the laptop. • Try connecting the device to a different USB port on the docking station or directly to the laptop to isolate the issue.
Slow data transfer speeds	Using USB 2.0 port for high-speed devices; Cable quality.	<ul style="list-style-type: none"> • Ensure you are using the USB 3.0 port for devices requiring high-speed transfer. • Use high-quality USB cables.

Problem	Possible Cause	Solution
Laptop not charging via PD port	Power adapter not connected to PD port; Power adapter not powerful enough; Laptop not compatible with USB-C PD charging.	<ul style="list-style-type: none"> • Connect your laptop's original power adapter to the PD port on the docking station. • Ensure your power adapter provides sufficient wattage (e.g., 65W or 100W). • Verify your laptop supports charging via its USB-C port.

SPECIFICATIONS

Feature	Detail
Brand	Lemorele
Model	10-in-1 USB C Docking Station
Hardware Interface	HDMI, MicroSD, USB, USB 2.0, USB 3.0, USB Type C, VGA
Compatible Devices	Laptops with USB C DP Alt function
Number of Ports	10
HDMI Output	Dual 4K@30Hz (single port)
VGA Output	1080P@60Hz (single port)
USB 3.0 Ports	1 (5Gbps data transfer rate)
USB 2.0 Ports	2 (480Mbps data transfer rate)
Card Reader	SD/TF (simultaneous read/write, 20MB/s)
Power Delivery (PD)	Up to 100W input (95W output to laptop)
Audio Jack	3.5mm
Material	Aluminum
Dimensions	17 x 4.3 x 1.35 cm (approximate)
Cable Length	20.5 cm (approximate)

WARRANTY AND SUPPORT

Lemorele is committed to providing high-quality products and customer satisfaction.

- **Warranty:** The product comes with a 100% lifetime guarantee, including lifetime return and exchange services.
- **Customer Service:** For any inquiries, technical assistance, or support, please contact Lemorele customer service. 24-hour online manual customer service is available.
- **Contact Information:** Refer to the official Lemorele website or your purchase documentation for the most current contact details.

