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LENTION D62

LENTION 10-in-1 Detachable USB C Laptop Docking Station User Manual

Model: D62 | Brand: LENTION

Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your LENTION 10-in-1 Detachable USB C Laptop Docking Station (Model D62). Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

Product Overview

The LENTION 10-in-1 Detachable USB C Laptop Docking Station is designed to expand the connectivity of your USB-C enabled laptop, providing a comprehensive solution for various peripherals and display needs. It features a detachable design for flexible use.



Image: LENTION 10-in-1 Docking Station with all ports clearly labeled for identification.

Key Features:

- **10-in-1 Expansion:** Includes 2 HDMI ports, 1 USB-C Power Delivery (PD) charging port (up to 100W), 1 USB-C data port, 2 USB-A 3.0 ports, 2 USB-A 2.0 ports, and SD/Micro SD card readers.

- **Dual 4K@60Hz HDMI Display:** Supports two external monitors for extended or mirror mode on Windows laptops. On macOS, only mirror mode (identical screens) is supported.
- **Speedy 100W Power Delivery:** Provides up to 100W power to charge your host device and connected peripherals. Note: The PD Type-C port does not support data transfer.
- **Fast Data Transfer:** USB 3.0 ports offer 5Gbps, and USB 2.0 ports offer 480Mbps transfer speeds.
- **Universal Compatibility:** Compatible with a wide range of USB-C or Thunderbolt 3/4 enabled devices, including MacBook Pro/Air (2016-2025, M1/M2/M3/M4/M5 series), iMac, Surface Pro/Book/Go, Chromebook, Dell XPS, HP Spectre/ENVY, Lenovo Yoga, and more.
- **Stable Driver 3.0 Standard:** Ensures non-interference between connected peripherals, sufficient power supply, and normal operating temperature.

Package Contents

Verify that all items are present in the package:

- LENTION 10-in-1 Detachable USB C Laptop Docking Station (Model D62)
- 3.3ft (100cm) Host Cable
- Detachable Stand
- User Manual (this document)



Image: The LENTION docking station, its detachable stand, and the included 3.3ft host cable.

Setup Instructions

1. **Connect the Stand:** If desired, attach the detachable stand to the docking station for vertical placement.
2. **Connect to Host Device:** Use the provided 3.3ft USB-C host cable to connect the docking station to a full-function USB-C or Thunderbolt 3/4 port on your laptop or compatible device. Ensure the connection is secure.
3. **Power Connection (Optional but Recommended):** For optimal performance and to charge your host device, connect

your laptop's power adapter to the 100W Power Delivery (PD) USB-C port on the docking station.

4. **Connect Peripherals:**
    - **HDMI Displays:** Connect your external monitors to the HDMI ports on the docking station using HDMI cables.
    - **USB Devices:** Connect USB-A and USB-C peripherals (e.g., mouse, keyboard, external hard drives) to the corresponding USB ports.
    - **SD/Micro SD Cards:** Insert your memory cards into the designated slots.
5. **Verify Connection:** A small LED indicator on the docking station will illuminate to confirm a successful connection to your host device.



Image: The docking station connected to a laptop and external displays using the long host cable, illustrating a typical setup.

Operating Instructions

Display Configuration (Dual 4K@60Hz HDMI)

The docking station supports dual external displays via its HDMI ports.

- **Windows Laptops:** Supports both Extended Display (MST) and Mirror Display (SST) modes, allowing you to extend your desktop across two different monitors or duplicate your laptop screen.
- **macOS Devices:** Due to macOS system limitations, only Mirror Display (SST) mode is supported. External monitors will display identical content. Extended mode (MST) is not supported on macOS.



Image: Illustration of projection modes, showing extended display on Windows and mirror display on macOS.

Notes of Dual HDMI Ports

⚠ Note: MacOS DOES NOT Support MST (A-BC)

Mac OS

Only SST by MacOS System



windows

MST and SST by Windows System



To simultaneously output two 4K displays, a USB-C with DP ALT mode 1.4 support is required

Part	MacBook DP1.2		Windows DP1.2		MacBook DP1.4		Windows DP1.4	
	HDMI 1	HDMI 2	HDMI 1	HDMI 2	HDMI 1	HDMI 2	HDMI 1	HDMI 2
Single monitor	4k@30Hz	4k@30Hz	4k@30Hz	4k@30Hz	4k@30Hz	4k@30Hz	4k@30Hz	4k@30Hz
Dual Monitor H1H2	4k@30Hz	4k@30Hz	1080P@60Hz	1080P@60Hz	4k@30Hz	4k@30Hz	4k@30Hz	4k@30Hz

Image: A detailed table outlining the supported resolutions and refresh rates for single and dual monitor setups on both MacBook and Windows systems.

Power Delivery (PD 100W)

Connect your laptop's USB-C power adapter to the PD port on the docking station to provide up to 100W of power to your host device and other connected USB peripherals. This port is for power input only and does not support data transfer.



Image: The docking station receiving 100W power from a wall adapter, indicating pass-through charging to a connected laptop.

Data Transfer

- **USB 3.0 Ports:** Utilize the two USB-A 3.0 ports for high-speed data transfer up to 5Gbps. Ideal for external hard drives, SSDs, and other high-bandwidth devices.
- **USB 2.0 Ports:** The two USB-A 2.0 ports provide 480Mbps transfer speeds, suitable for keyboards, mice, printers, and other standard peripherals.
- **USB-C Data Port:** A dedicated USB-C port is available for data transfer, supporting 5Gbps.

- **SD/Micro SD Card Readers:** Insert your SD or Micro SD cards to access photos and videos directly. Supports speeds up to 30MB/s.



Image: The docking station with various USB devices connected, demonstrating its multiple USB port capabilities.



Image: An SD card inserted into the docking station's card reader, highlighting its media transfer function.



Image: A smartphone connected to the docking station, demonstrating its ability to charge and transfer data for mobile devices.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the docking station. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the host cable excessively to prevent damage.
- **Temperature:** The aluminum casing is designed for efficient heat dissipation. Ensure adequate ventilation around the device during operation.

Troubleshooting

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

- **No Display Output:**
  - Ensure your host device's USB-C port supports video output (DisplayPort Alt Mode).
  - Verify that the HDMI cables are securely connected to both the docking station and the monitors.
  - Check your computer's display settings to detect and configure the external monitors.
  - For macOS users, remember that only mirror mode is supported for external displays.

- **Slow Charging for Phone/Devices:**
  - The maximum charging power for phones via the D62 interface is 15W.
  - Reduce the number of devices connected to the docking station to increase available charging power for specific ports.
  - Ensure your power adapter connected to the PD port provides sufficient wattage (up to 100W).
- **Peripherals Not Recognized or Disconnecting:**
  - Ensure the host cable is firmly connected to your laptop.
  - Try connecting the peripheral directly to your laptop to rule out device-specific issues.
  - Disconnect and reconnect the docking station from your laptop.
  - Ensure your laptop's drivers are up to date.
- **Docking Station Overheating:**
  - The aluminum casing helps dissipate heat. Ensure the device is placed in a well-ventilated area.
  - Avoid covering the docking station during use.
  - If using high-power devices, some warmth is normal. If it becomes excessively hot, disconnect some peripherals or the power source.



Image: A section of Frequently Asked Questions (FQA) providing quick answers to common user queries regarding compatibility and functionality.

SPECIFICATIONS

Model Number	D62
Brand	LENTION
Ports	2x HDMI, 1x USB-C PD (100W), 1x USB-C Data (5Gbps), 2x USB-A 3.0 (5Gbps), 2x USB-A 2.0 (480Mbps), 1x SD Card Reader, 1x Micro SD Card Reader
HDMI Output	Dual 4K@60Hz (Windows), Dual 4K@60Hz (macOS Mirror Mode only)
Power Delivery	Up to 100W (Input)
Data Transfer Speed	USB 3.0: 5Gbps, USB 2.0: 480Mbps, SD/Micro SD: 30MB/s
Hardware Interface	USB-C

Compatible Devices	Laptops, Desktops, Monitors with full-function USB-C or Thunderbolt 3/4 port (e.g., MacBook Pro/Air, iMac, Surface, Chromebook, Dell XPS, HP Spectre/ENVY, Lenovo Yoga)
Dimensions	9.25 x 4.29 x 1.61 inches
Weight	15.8 ounces

Warranty and Support

LENTION products are designed for reliability and performance. For warranty information and technical support, please refer to the official LENTION website or contact their customer service directly.

- **Official Website:** www.lention.com (Please check the product packaging or official website for the most current contact information.)
- **Customer Service:** Contact information can typically be found on the LENTION website under the "Support" or "Contact Us" section.

Please retain your proof of purchase for warranty claims.

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