

LASUNEY B0B5LBVX2

LASUNEY USB C Laptop Docking Station User Manual

Model: B0B5LBVX2

1. INTRODUCTION

The LASUNEY USB C Laptop Docking Station is designed to expand the connectivity of your USB-C enabled laptop or device. It allows for multiple display outputs, high-speed data transfer, network connectivity, and power delivery through a single USB-C connection. This manual provides essential information for setup, operation, maintenance, and troubleshooting.

2. PRODUCT OVERVIEW

This docking station features 15 ports for comprehensive connectivity:

- **2 x USB-C Ports:** One for host connection, one for PD 3.0 power input.
- **5 x USB-A Ports:** Two USB 3.1 (10Gbps), one USB 3.0 (5Gbps), two USB 2.0 (480Mbps).
- **1 x USB-C Data Transfer Port:** (10Gbps).
- **1 x HDMI Port:** Up to 4K@60Hz resolution.
- **2 x DisplayPort (DP) Ports:** Up to 4K@60Hz resolution.
- **1 x VGA Port:** Up to 1080P@60Hz resolution.
- **1 x Gigabit Ethernet Port:** RJ45 for stable wired network access.
- **1 x SD Card Reader.**
- **1 x TF Card Reader.**
- **1 x 3.5mm Audio/Microphone Port.**



Figure 2.1: Overview of the LASUNEY 15-in-1 USB C Docking Station, illustrating all available ports including USB-C, USB-A, HDMI, DisplayPort, VGA, Ethernet, SD/TF card slots, and audio jack.

3. SETUP INSTRUCTIONS

3.1 Connecting the Docking Station

1. Connect the docking station to your laptop's USB-C port using the integrated USB-C cable. Ensure your laptop's USB-C port supports video output (DisplayPort Alternate Mode) and power delivery for full functionality.
2. For power delivery to your laptop, connect your laptop's original power adapter or a compatible USB-C PD charger (up to 100W input, 87W output) to the PD 3.0 USB-C input port on the docking station.
3. Connect your external monitors to the HDMI, DisplayPort, or VGA ports on the docking station.
4. Connect any USB peripherals (keyboard, mouse, external drives) to the available USB-A or USB-C data ports.
5. For wired internet access, connect an Ethernet cable to the RJ45 port.
6. Insert SD or TF cards into the respective card reader slots as needed.
7. Connect headphones or a microphone to the 3.5mm audio/microphone port.

3.2 Driver Installation

The LASUNEY Multiport USB C docking station is designed for plug-and-play operation and typically requires no driver installation. Your operating system should automatically detect and configure the connected devices.



Figure 3.1: The LASUNEY USB C Docking Station connected to a laptop via its integrated USB-C cable, ready for peripheral and display connections.

4. OPERATING INSTRUCTIONS

4.1 Display Modes

The docking station supports various display configurations depending on your operating system and graphics card.

Windows Operating System:

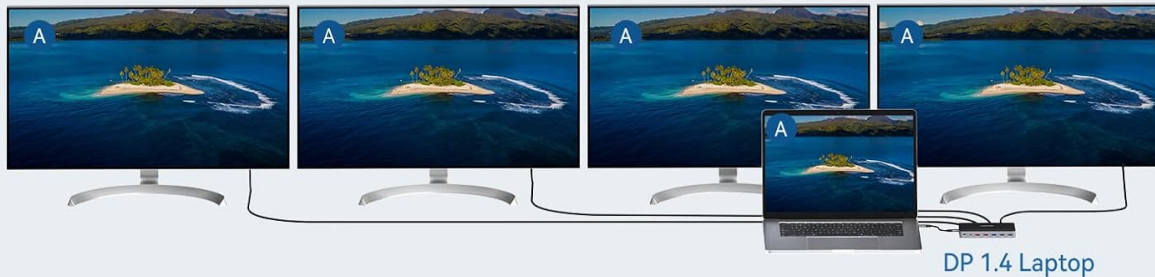
- **Mirror Mode:** All connected displays will show the same content as your laptop screen.
- **Extend Mode (AMD/Nvidia Graphics):** With AMD or Nvidia graphics cards, you can extend your desktop across up to four different displays (laptop screen + HDMI + VGA + 2x DP).
- **Extend Mode (Intel Graphics):** For Windows laptops with Intel graphics, due to graphics limitations, you

can achieve up to three extended displays (laptop screen + three external monitors). One of the four video output ports will display a black screen if all four are connected simultaneously.

Quadruple Display Modes



Mirror Mode: All displays will be the same



Extend Mode: You can get 5 different displays under AMD/ Nvidia Graphics



Extend Mode: For Windows laptop with Intel Graphics, 5 monitors can not be displayed at the same time due to graphics' limited, There will be a black screen on one of the 4 video output port.



Figure 4.1: Illustration of display modes for Windows, including Mirror Mode and Extend Mode configurations for AMD/Nvidia and Intel graphics.

Mac OS Operating System:

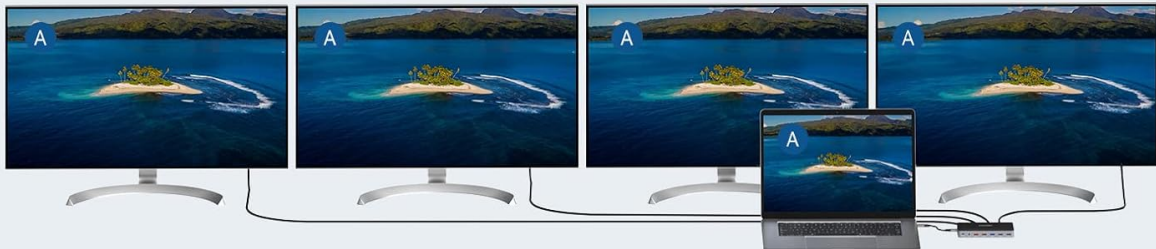
Mac OS does not support Multi-Stream Transport (MST) for extended displays. Therefore, you can achieve:

- **Mirror Mode:** All connected displays will show the same content as your MacBook screen.
- **Extend Mode:** You can get two different contents: one on your MacBook screen and one mirrored across all connected external displays.

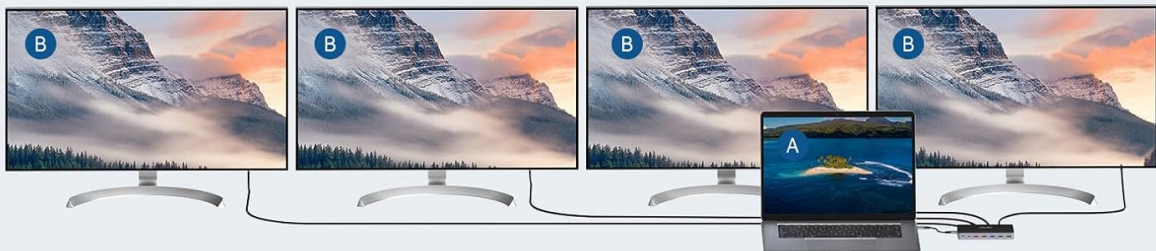
Mirror & Extend Modes



Mirror Mode: All displays will be the same



Extend Mode: You can get 2 different displays



Notice: Mac OS does not support MST



Figure 4.2: Illustration of display modes for Mac OS, showing Mirror Mode and the limited Extend Mode due to lack of MST support.

4.2 Data Transfer

Utilize the USB 3.1 ports (up to 10Gbps) and USB 3.0 ports (up to 5Gbps) for high-speed data transfer with compatible devices. The USB 2.0 ports are suitable for keyboards, mice, and other low-bandwidth peripherals.



Figure 4.3: Demonstrates high-speed data transfer using the USB 3.1 ports on the docking station, capable of transferring files at up to 10Gbps.

4.3 Power Delivery

The docking station supports up to 100W power input via its dedicated PD 3.0 USB-C port. It provides up to 87W power output to charge your connected laptop, ensuring sufficient power for operation and charging.



Figure 4.4: Illustrates the 100W power input and 87W power output for laptop charging, alongside USB-C data transfer capabilities.

5. MAINTENANCE

To ensure optimal performance and longevity of your docking station:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not block the ventilation holes on the device, as it features an all-aluminum shell and air vents for efficient heat dissipation.
- Disconnect the device from power and your laptop when not in use for extended periods.

6. TROUBLESHOOTING

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

- **No Display Output:**
 - Ensure your laptop's USB-C port supports DisplayPort Alternate Mode.
 - Check all cable connections between the docking station, monitors, and laptop.
 - Verify monitor input sources are correctly selected.
 - Restart your laptop and reconnect the docking station.
- **Flickering or Unstable Display:**
 - Ensure all display cables are securely connected.
 - Reduce the resolution or refresh rate of the external monitors to see if stability improves.
 - Ensure your laptop's graphics drivers are up to date.
 - If using a long or low-quality USB-C cable to connect the dock to the laptop, try a shorter, higher-quality cable.

- **No Power Delivery to Laptop:**
 - Ensure your power adapter is connected to the PD 3.0 USB-C input port on the docking station.
 - Verify your power adapter is functional and provides sufficient wattage (up to 100W recommended).
 - Confirm your laptop supports USB-C Power Delivery.
- **USB Devices Not Recognized:**
 - Try connecting the USB device to a different port on the docking station.
 - Ensure the USB device is functioning correctly when connected directly to the laptop.
 - Some high-power USB devices may require external power.
- **Ethernet Connection Issues:**
 - Check the Ethernet cable connection to both the docking station and your router/modem.
 - Verify network settings on your laptop.
 - Ensure your router/modem is functioning correctly.

The final performance of the docking station is determined by the capabilities of your computer's Type-C port. For specific compatibility questions, please consult your laptop's manufacturer or LASUNEY support.

7. SPECIFICATIONS

Feature	Specification
Model	B0B5LBVX2
Product Dimensions	16.5L x 7.8W x 2.6H centimeters
Weight	322 g
Material	Aluminum
Color	Black
Total USB Ports	6 (2x USB 3.1, 1x USB 3.0, 2x USB 2.0, 1x USB-C Data)
Data Transfer Rate	Up to 10 Gigabits Per Second (USB 3.1)
Video Output Ports	1x HDMI, 2x DisplayPort, 1x VGA
Max Resolution (HDMI/DP)	4K@60Hz
Max Resolution (VGA)	1080P@60Hz
Ethernet	Gigabit (RJ45)
Card Reader	SD, TF
Audio Port	3.5mm Audio/Microphone

Feature	Specification
Power Delivery Input	Up to 100W (PD 3.0)
Power Delivery Output	Up to 87W
Special Features	Plug and Play
Compatible Devices	MacBooks, SAMSUNG, AOC, Dell, LG, HP, Lenovo, and other USB-C enabled laptops/smartphones

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact LASUNEY customer service directly. Ensure you have your product model number (B0B5LBVX2) available when seeking support.