

OBERSTER OB-DC006B-E-013

OBERSTER 16-in-2 USB-C Docking Station User Manual

Model: OB-DC006B-E-013

1. INTRODUCTION

This manual provides detailed instructions for the OBERSTER 16-in-2 USB-C Docking Station (Model OB-DC006B-E-013). Please read this manual thoroughly before using the product to ensure proper operation and to maximize its capabilities. Keep this manual for future reference.

Package Contents

- OBERSTER 16-in-2 USB-C Docking Station
- USB-C to USB-C Cable (for host connection)
- User Manual

2. PRODUCT OVERVIEW

The OBERSTER 16-in-2 USB-C Docking Station expands the connectivity of your laptop, offering a wide array of ports for various peripherals, external displays, and network access. It supports dual monitor setups and provides power delivery to your host device.



Image 2.1: OBERSTER 16-in-2 USB-C Docking Station and its connecting cable.

Key Features

- **16-in-2 Connectivity:** Comprehensive port selection for various needs.
- **Dual Monitor Support:** Connect up to two external displays via HDMI and VGA.
- **4K Ultra HD Display:** Supports 4K resolution on HDMI 1.
- **Power Delivery (PD 100W):** Provides up to 87W charging for your laptop.
- **Gigabit Ethernet:** Stable and fast wired network connection (10/100/1000Mbps).
- **High-Speed Data Transfer:** USB 3.0 ports with up to 5Gbps data transfer speed.
- **Card Readers:** Integrated SD and TF card slots.
- **Audio Connectivity:** 3.5mm audio/microphone jack.
- **Wide Compatibility:** Designed for Mac Pro/Air and Windows laptops.

3. PORT LAYOUT AND FUNCTIONS

Familiarize yourself with the various ports on the docking station:

*Charger is NOT included

PD 100W FAST CHARGING

RJ45 Gigabit Ethernet Reliable&Stable



Image 3.1: Detailed diagram of the docking station's ports.

Front Panel Ports:

- **SD/TF Slot:** For SD and MicroSD (TF) memory cards.
- **3.5mm Audio/MIC:** Stereo combo jack for headphones or microphone.
- **2 x USB 3.0 (Type-A):** Up to 5Gbps data transfer.
- **USB 2.0 (Type-A):** Up to 480Mbps data transfer, suitable for keyboard/mouse.
- **USB-C (Host Connection):** Connects to your laptop.

Rear Panel Ports:

- **VGA:** Video output, supports up to 1920x1080P@60Hz.
- **USB 2.0 (Type-A):** Up to 480Mbps data transfer.
- **HDMI 1:** Video output, supports up to 4K (3840x2160@30Hz).
- **HDMI 2:** Video output, supports up to 1920x1080P@60Hz.

- **RJ45 Gigabit Ethernet:** 10/100/1000Mbps wired network connection.
- **PD 3.0 (USB-C Power Delivery):** Connect your laptop's power adapter for up to 100W power input (up to 87W charging for laptop).
- **USB-C (Host Connection):** Connects to your laptop.

4. SETUP GUIDE

Follow these steps to set up your OBERSTER docking station:

1. **Connect Power (Optional but Recommended):** Connect your laptop's USB-C power adapter to the PD 3.0 port on the docking station. This will provide power to your laptop and the docking station.
2. **Connect to Host Laptop:** Use the provided USB-C to USB-C cable to connect the docking station to your laptop's USB-C port. For optimal performance and display capabilities, ensure your laptop's USB-C port supports Thunderbolt 3/4, USB-C with Power Delivery + DisplayPort Alt Mode.
3. **Connect External Displays:**
 - For HDMI displays, connect HDMI cables from your monitors to the HDMI 1 and/or HDMI 2 ports on the docking station.
 - For VGA displays, connect a VGA cable from your monitor to the VGA port on the docking station.
4. **Connect Peripherals:** Connect your USB devices (keyboard, mouse, external drives), Ethernet cable, and audio devices to the corresponding ports on the docking station.
5. **Power On:** Ensure your laptop is powered on. The docking station is plug-and-play and typically does not require driver installation.

5. OPERATING INSTRUCTIONS

5.1 Display Configuration for Windows

For Windows systems, the docking station supports various display modes. The functionality depends on which USB-C host port on the docking station is used.

Transfer Files at Superspeed

USB 3.0 port and USB-C port with 5Gbps Ultra-fast data transfer
USB 2.0 special for Keyboard and mouse



Image 5.1: Examples of display configurations for Windows laptops.

- **Using the Rightmost USB-C Host Port (Extend Mode):** When connecting your laptop to the rightmost USB-C host port on the docking station, only HDMI 1 will function, supporting 4K@30Hz output. Other display ports will not be active. This mode is suitable for single external display extension.
- **Using the Left USB-C Host Port (Mirror Mode):** Connecting to the left USB-C host port allows for mirroring your laptop's display across HDMI 1 (4K@30Hz) and HDMI 2 (4K@30Hz).
- **Using the Left USB-C Host Port (Extend Mode):** Connecting to the left USB-C host port also allows for extending your desktop across HDMI 1 (4K@30Hz) and HDMI 2 (4K@30Hz), providing two distinct external displays.

Note: To configure display settings in Windows, right-click on your desktop and select "Display settings."

5.2 Display Configuration for Mac OS

For Mac OS systems, the docking station supports multiple display modes when connecting both USB-C host ports to your Mac.

Maximum resolutions for MacBooks



Output	HDMI 1	HDMI 2	VGA
Single video output	3840*2160/30Hz	3840*2160/30Hz	1920*1080/60Hz
Dual video output (MST)	3840*2160/30Hz	3840*2160/30Hz	1920*1080/60Hz
TRiple video output (MST)	3840*2160/30Hz	1920*1080/60Hz	1920*1080/60Hz

Image 5.2: Examples of display configurations for Mac OS laptops.

- **Extend Mode:** Supports extending your desktop across HDMI 1 (4K@30Hz), HDMI 2 (4K@30Hz), and VGA (1080P@60Hz). This allows for three distinct external displays.
- **Mirror Mode:** Supports mirroring your Mac's display across HDMI 1 (4K@30Hz), HDMI 2 (1080P@60Hz), and VGA (1080P@60Hz).

Note: MacBooks with M1 chip officially support only one external monitor in extended mode. To configure display settings in Mac OS, go to "System Preferences" > "Displays."

5.3 Data Transfer and Charging

- **USB 3.0 Ports:** Utilize the USB 3.0 ports for high-speed data transfer up to 5Gbps with compatible devices like external hard drives or flash drives.
- **USB 2.0 Ports:** Ideal for connecting peripherals such as keyboards, mice, and printers.
- **SD/TF Card Slots:** Insert your SD or TF cards for quick data access.
- **Power Delivery:** When a compatible USB-C power adapter is connected to the PD 3.0 port, the docking station will charge your connected laptop (up to 87W) and power all connected peripherals.

Apple Multiple Display Modes for Mac OS (Connect Two USB-C Host Port)

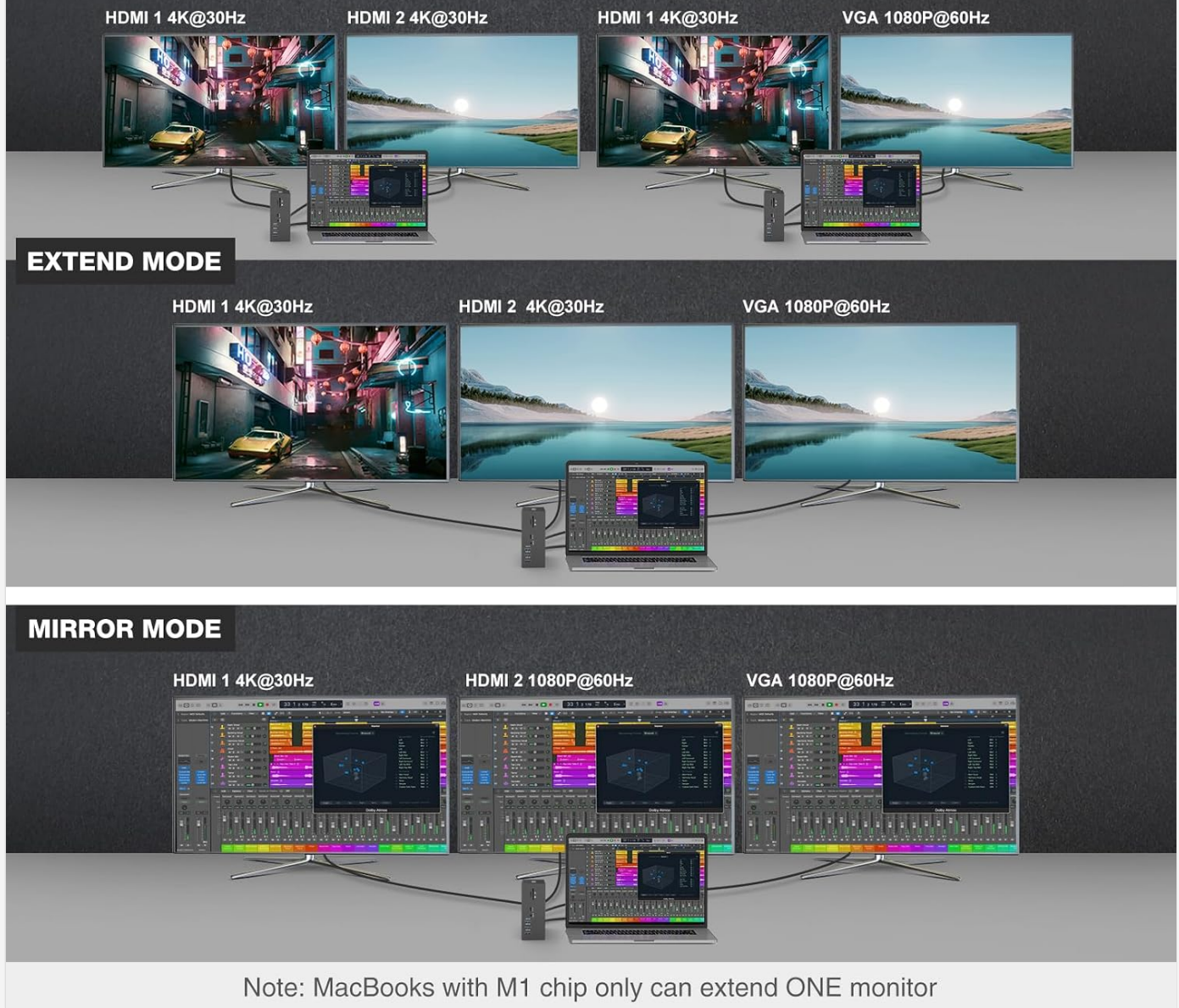


Image 5.3: Illustration of high-speed data transfer capabilities.

6. TROUBLESHOOTING

• No Display Output:

- Ensure all cables (USB-C host, HDMI/VGA) are securely connected.
- Verify your laptop's USB-C port supports DisplayPort Alt Mode.
- Check display settings on your laptop to ensure the external monitor is detected and configured correctly (extend/mirror).
- For Windows, ensure you are using the correct USB-C host port on the docking station for multi-display output.
- For Mac M1 chips, remember only one external display is supported in extend mode.

• No Power Delivery/Charging:

- Ensure your laptop's original USB-C power adapter is connected to the PD 3.0 port on the docking station.

- Verify your laptop supports USB-C Power Delivery.

• **USB Devices Not Working:**

- Reconnect the USB device.
- Try a different USB port on the docking station.
- Ensure the docking station is properly connected to your laptop.

• **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 internet service is active.

• **Intermittent Connections:**

- Ensure the USB-C cable connecting the docking station to your laptop is firmly seated and not damaged.
- Avoid placing the docking station near strong electromagnetic interference sources.

7. SPECIFICATIONS

Feature	Specification
Model Number	OB-DC006B-E-013
Ports	2x HDMI (4K), 1x VGA, 1x Gigabit Ethernet, 1x 3.5mm Audio, 2x USB-C (Host), 1x USB-C 3.0, 2x USB 3.0, 3x USB 2.0, 1x SD, 1x TF
HDMI 1 Resolution	Up to 3840x2160@30Hz
HDMI 2 Resolution	Up to 1920x1080P@60Hz
VGA Resolution	Up to 1920x1080P@60Hz
Ethernet Speed	10/100/1000Mbps
USB 3.0 Data Speed	Up to 5Gbps
USB 2.0 Data Speed	Up to 480Mbps
Power Delivery	PD 3.0, 100W input (up to 87W laptop charging)
Material	Aviation Aluminum Shell
Product Dimensions	6.1 x 6.65 x 2.36 inches
Item Weight	1.58 pounds

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the docking station. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping or subjecting it to strong impacts.
- **Heat Dissipation:** Ensure the docking station has adequate ventilation to prevent overheating. Do not block the heat dissipation fins.

9. WARRANTY AND SUPPORT

OBERSTER products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your purchase or contact OBERSTER customer support.

If you encounter any issues or have questions regarding your OBERSTER 16-in-2 USB-C Docking Station, please contact our customer support team for assistance. Contact details can typically be found on the product packaging or the official OBERSTER website.

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