

Plugable USBC-PDMON

Plugable USB-C Portable Monitor USBC-PDMON Instruction Manual

Model: USBC-PDMON | Brand: Plugable

1. PRODUCT OVERVIEW AND KEY FEATURES

The Plugable USBC-PDMON is a 15.6-inch Full HD (1920x1080) IPS portable monitor designed for enhanced productivity on the go. It features 100W Power Delivery pass-through charging and a 3x USB-C 10Gbps hub, making it a versatile solution for expanding your workspace.



Image: The Plugable USBC-PDMON portable monitor in use, showcasing its slim design and the protective case functioning as a stand.

Key Features:

- **15.6-inch Full HD (1920x1080) IPS Display:** Provides crisp, clear visuals with wide viewing angles and up to 300 nits brightness.
- **100W Power Delivery Pass-Through:** Allows charging of your laptop, smartphone, or tablet (up to 85W output) while using the monitor.

- **Integrated 3x USB-C 10Gbps Hub:** Expands connectivity with two 10Gbps USB-C ports for data transfer or connecting peripherals.
- **Portable and Lightweight:** Weighing 1.85lbs (with cover), it's ideal for travel and mobile workstations.
- **Protective Case/Stand:** The included cover protects the screen and conveniently folds into a stand for various viewing angles.
- **Universal Compatibility:** Works with Mac, Windows, Chrome, iPad, iPhone, and Android devices equipped with full-featured USB-C or Thunderbolt ports.

Plugable's Portable Monitor



Do-It-All Connectivity

Connect multiple devices with 3 USB-C ports



Keep Your Laptop Charged

100W PD pass-through keeps your device powered (up to 85W charging to host)



Durable, High Quality Display

Sharp IPS display with LED backlight producing up to 300 nits brightness for vibrant and detailed visuals



Blazing Fast Data Transfers

Enjoy 10 Gbps speeds with two USB-C 3.2 Gen 2 hub ports



Travel Ready Protection

Comes with a secure, removable protective case that doubles as a stand.

Other Portable Monitors



Limited Flexibility

Need to use adapters and cables



No Charging Support

Does not support pass-through charging



Varying Display Reliability

Other IPS displays with low-quality scalars and backlights may produce a dim and grainy image



Slow or No Data Transfer

Limited or no high-speed data transfer ports



Flimsy Protection

Often includes a flimsy magnetic cover, or overly bulky case

Image: A comparison highlighting the superior connectivity, charging support, display quality, data transfer speeds, and travel-ready protection of the Plugable monitor.

2. WHAT'S INCLUDED

Please check the package contents to ensure all items are present:

- 1920x1080 IPS Travel Display with Protective Case/Stand
- 1 Meter USB-C Host Cable
- Quick Start Guide

3. SETUP GUIDE

Follow these steps to set up your Plugable portable monitor:

1. **Unpack the Monitor:** Carefully remove the monitor and its accessories from the packaging.
2. **Position the Stand:** The protective cover doubles as a stand. Fold the cover to create a stable base for the monitor. The built-in magnets will help secure it in place.

Flip It, Fold It

Protective cover doubles as a stand

Built-in magnets keep the cover in place



Other folding option



Image: Visual instructions on how to correctly fold the protective cover to form a stable stand for the monitor.

3. **Connect to Your Device:** Use the included 1-meter USB-C host cable to connect the monitor to your laptop, smartphone, or tablet. Ensure your device has a full-featured USB-C port that supports video output (DisplayPort Alternate Mode) and Power Delivery.
4. **Power the Monitor (Optional/Recommended):** For optimal performance and to utilize the pass-through charging feature, connect a USB-C power adapter (not included) to the monitor's dedicated power input port. This will also allow the monitor to charge your host device (up to 85W).



A Monitor That Doubles as a Hub

1x 10Gbps data, 1x 85W charging
with 10Gbps data

Image: An illustration demonstrating the power flow when the monitor is used as a hub, providing 85W charging to the connected laptop from a 100W input.

5. **Display Configuration:** Your device should automatically detect the monitor. You may need to adjust display settings (e.g., extend, mirror, resolution) in your operating system's display settings.

Compatibility:

The monitor is compatible with a wide range of operating systems and devices:

- **Supported Platforms:** Mac, Windows, Chrome OS, Android.
- **Connection to Host:** USB-C, USB4, Thunderbolt.
- **Compatible Systems:** MacBooks, Dell XPS, Lenovo ThinkPad, Apple iPhone 15/16+, Samsung Galaxy S24, Google Pixel 8, iPads with USB-C, Samsung Galaxy Tab, Lenovo Tab.

Compatibility

Supported Platforms



Connection to Host



USB-C, USB4, Thunderbolt

Popular Compatible Systems



Laptops

MacBooks
Dell XPS
Lenovo Thinkpad



Phones

Apple iPhone 15, 16*
Samsung Galaxy S24
Google Pixel 8



Tablets

iPads with USB-C
Samsung Galaxy Tab
Lenovo Tab

*Display mirroring only

Image: A visual guide to the monitor's broad compatibility across different operating systems and popular devices like laptops, phones, and tablets.

4. OPERATING INSTRUCTIONS

Once connected, your Pluggable portable monitor is ready for use. Here are some operational tips:

Display Modes:

- **Extend Display:** Use this mode to expand your desktop workspace across both your primary device and the portable monitor.
- **Mirror Display:** This mode duplicates your primary device's screen onto the portable monitor, useful for presentations or sharing content.

Monitor Controls:

The monitor features control buttons on the side for adjustments:

- **Brightness Up/Down:** Adjust the screen brightness to your preference.

- **Color Mode:** Cycle through preset color modes (Cool, Normal, Warm, sRGB, and User) to optimize visual appearance.

The Portable Monitor

That doubles as a hub



Image: A detailed view of the monitor's side, indicating the location of the brightness controls, color mode button, and the three USB-C ports for host connection, power delivery, and data hub functionality.

USB-C Hub Functionality:

The monitor acts as a hub, providing additional USB-C ports for your peripherals:

- Connect USB-C devices such as external drives, keyboards, or mice to the available 10Gbps USB-C ports on the monitor.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Plugable portable monitor, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth lightly dampened with water or a screen-cleaning solution.

Avoid harsh chemicals, abrasive materials, or direct spraying onto the screen.

- **Cleaning the Body:** Wipe the monitor's exterior with a soft, dry cloth.
- **Storage:** When not in use, always use the protective cover to prevent scratches and damage to the screen. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the monitor with care. Avoid dropping it or subjecting it to strong impacts.

6. TROUBLESHOOTING

If you encounter issues with your Plugable portable monitor, refer to the following common problems and solutions:

No Display or "No Signal" Message:

- **Check Cable Connection:** Ensure the USB-C cable is securely connected to both the monitor and your host device. Try unplugging and re-plugging the cable.
- **Verify USB-C Port Capability:** Confirm that your device's USB-C port supports video output (DisplayPort Alternate Mode). Not all USB-C ports have this capability.
- **External Power:** If your host device cannot provide sufficient power, connect an external USB-C power adapter to the monitor's power input port.
- **Restart Devices:** Try restarting your laptop, smartphone, or tablet.

Flickering or Unstable Display:

- **Power Supply:** Ensure the monitor is receiving adequate power. Connect an external USB-C power adapter if not already in use.
- **Cable Quality:** Use the included high-quality USB-C cable. A different or lower-quality cable might cause instability.
- **Driver Updates:** Ensure your host device's graphics drivers are up to date.

No Charging or Slow Charging:

- **Power Adapter Rating:** Ensure the external USB-C power adapter connected to the monitor is rated for at least 100W to provide 85W pass-through charging to your host device.
- **Cable Compatibility:** Verify the USB-C cable supports Power Delivery.

If these steps do not resolve your issue, please contact Plugable support for further assistance.

7. SPECIFICATIONS

Detailed technical specifications for the Plugable USBC-PDMON portable monitor:

Feature	Specification
Screen Size	15.6 Inches
Resolution	FHD 1080p (1920 x 1080 Pixels)
Display Technology	IPS

Feature	Specification
Aspect Ratio	16:9
Image Brightness	300 Candela (nits)
Screen Surface	Matte
Total USB Ports	3 (USB-C)
Power Delivery	100W Pass-Through (85W to host)
Data Transfer Speed	10Gbps (USB-C hub ports)
Item Weight	1.85 pounds
Product Dimensions	0.42 x 14.21 x 8.46 inches



15.6" 16:9 ratio

1080p
FULLHD

IPS
Technology



Cover / Stand

Comes with a secure, removable protective cover that doubles as a stand



Anti Glare

LED light source
3H surface hardness
300 nits brightness

14.2"
8.5"
.4"



1.35lb (615g)
without cover

1.85lb (840g)
with cover



Adjustable Color Modes

Cool, Normal, Warm, sRGB and User



16.7 Million Display Colors

178° Viewing Angle



178° Vertical



178° Horizontal

Image: A comprehensive infographic summarizing the monitor's technical specifications, such as screen size, resolution, IPS technology, anti-glare properties, weight, and viewing angles.

8. WARRANTY AND SUPPORT

The Plugable USBC-PDMON portable monitor is designed with reliability at its core and built to meet the demands of both IT departments and home offices.

- **Lifetime Support:** Includes lifetime support from our North American team of connectivity experts.
- **Warranty:** Backed by a 2-Year Warranty.

For technical assistance or warranty claims, please visit the official Plugable website or contact their support team directly.

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Documents - Plugable – USBC-PDMON

Troubleshooting Guide and FAQ

USBC-PDMON

Compatibility

Q. Does this device require software or a driver download?
USBC-PDMON does not require any driver installation or software.

Q. How can I tell if this device is compatible with my system?
USBC-PDMON is compatible with any device equipped with a full featured USB-C, USB4, or Thunderbolt port. Please note the device's USB-C port must support video output (Alt mode) and USB-C Power Delivery (PD) to allow for full functionality. We recommend confirming your device's USB-C port specifications with its manufacturer if you're unsure of its capabilities.

Q. What operating systems is this compatible with?
USBC-PDMON is compatible with any operating system, including Windows, macOS, ChromeOS, iOS, iPadOS, and Android.

Q. Can this work with my phone or tablet?

Yes, the USBC-PDMON can be used with several different models of USB-C equipped smartphones and tablets, although there are some important notes to keep in mind.

- The smartphone/tablet's USB-C port must support Alt mode video output in order to be able to send video to the monitor. Please confirm if your device's USB-C port supports this functionality by consulting the manufacturer's specifications.
- The USBC-PDMON can be powered solely by the USB Type-C connection to the host device, however that USB Type-C connection must be capable of providing 15W of power in order to drive with it. If the host device is not capable of providing 15W, then the monitor must be powered by an external power source that can provide up to 15W of power (for example a charger that supports USB Power Delivery at a minimum of 15W).

In our experience helping others, many phones and tablets cannot output the required 15W of power through their USB-C ports, so a USB-C power adapter would be required.

[pdf] Quick Start Guide Frequently Asked Questions Troubleshooting Guide Specifications Guide

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Troubleshooting Guide and FAQ **USBC-PDMON** Compatibility Q. Does this device require software or a driver download **USBC-PDMON** does not require any driver installation or software. Q. How can I tell if this device is compatible with my system **USBC-PDMON** is compatible with any device equipped with a f...

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User Guide

USBC-PDMON

Getting Started

1. Fold the protective cover of USBC-PDMON into a stand.
2. (Optional) Connect a USB-C power adapter to the PD pass-through capable USB-C port, labeled with a plug icon.
3. Connect the portable display to your host device using the included USB-C cable plugged into the USB-C host port, labeled with a laptop icon.

Compatibility

Host Requirements

USBC-PDMON can be used with any laptop, tablet, smartphone, or desktop that is equipped with a fully featured USB-C, USB4, or Thunderbolt port.

Please note:

- The host device's USB-C port must support video output (also known as VESA Alt mode video output) to allow for the display to show video.
- The host device must support charging on its USB-C/USB4/Thunderbolt port in order to charge via the power delivery pass-through functionality.

Supported Operating Systems

Windows, macOS, iPadOS, iOS, and Android.

Power and Charging

USBC-PDMON supports up to 100W of Power Delivery (PD) pass-through over USB-C, and is capable of providing up to 80W to charge the connected device. Please note a USB-C power adapter must be connected to the Power Delivery pass-through USB-C port (labeled with a plug icon) in order to charge the host device.

15W of the power provided from the connected USB-C charger is reserved for use by the display, so the total amount of power available for host charging will be reduced by 15W. For example, if a 40W charger is connected to the PD pass-through port of USBC-PDMON, 15W will be reserved to power the display, and the host device will be limited to 45W charging.

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User Guide **USBC-PDMON** Getting Started 1. Fold the protective cover of **USBC-PDMON** into a stand 2. Optional Connect a USB-C power adapter to the PD pass-through capable USB-C port, labeled with a plug icon 3. Connect the portable display to your host device using the included USB-C cable plugged into...
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(also)



In the Box

in the box 1

Laptop Port

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<https://phaxide.com/alexahabib/>

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