

MAGICRAVEN P15

MAGICRAVEN 16" 2.5K Portable Monitor P15 Instruction Manual

[Introduction](#) [What's in the Box](#) [Product](#)
[Overview](#) [Setup](#) [Operating](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

Thank you for choosing the MAGICRAVEN 16" 2.5K Portable Monitor (Model P15). This device is designed to enhance your productivity and entertainment by providing a high-resolution, portable second display for a wide range of devices. Featuring a vibrant 2.5K IPS screen, versatile connectivity options including USB-C and HDMI, and integrated speakers, it is an ideal solution for professionals, gamers, and travelers seeking expanded screen real estate.

2. WHAT'S IN THE BOX

Please ensure all items are present upon unboxing:

- MAGICRAVEN 16" 2.5K Portable Monitor (Model P15)
- Magnetic Protective Cover/Stand
- USB-C to USB-C Cable (for video and power)
- USB-A to USB-C Cable (for power)
- Mini-HDMI to HDMI Cable (for video)
- Power Adapter
- Cleaning Cloth
- User Manual



Image: The MAGICRAVEN 16" 2.5K Portable Monitor with its magnetic cover, showcasing its sleek design.

Video: An official MAGICRAVEN video demonstrating the unboxing and initial setup of the portable monitor, highlighting the included accessories.

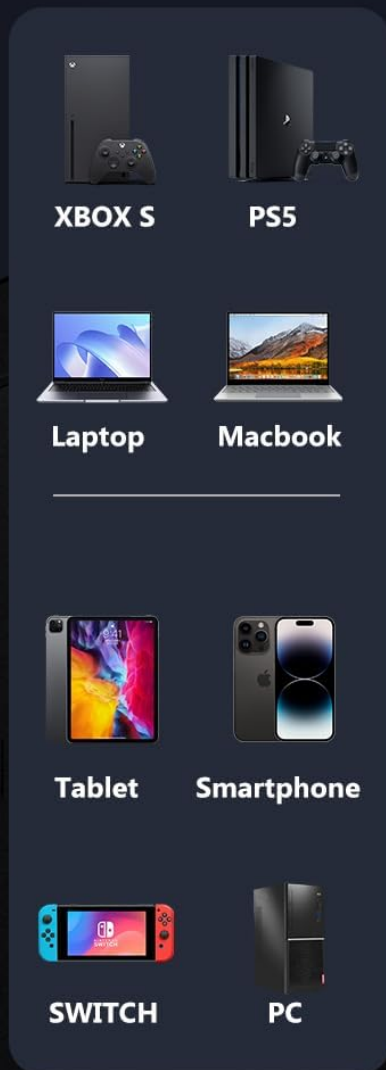
3. PRODUCT OVERVIEW

3.1. Ports and Controls

The monitor features a variety of ports and controls for seamless integration with your devices:

- **2 x USB-C 3.2 Ports:** Full-featured ports supporting video transmission and power delivery.
- **1 x Mini-HDMI 2.0 Port:** For video input from compatible devices.
- **1 x 3.5mm Audio Output:** For connecting headphones or external speakers.
- **Power Button/Back Button:** Controls power and navigates the OSD menu.
- **OSD Trackwheel:** For adjusting settings within the On-Screen Display menu.
- **OTG Port:** For connecting USB peripherals.

Wide Devices Compatible



Full-featured USB-C Port

3.5mm Audio Output

Full-featured USB-C Port

Power Button/Back Button

Mini-HDMI Port

OSD Trackwheel

OTG Port

Image: A detailed view of the monitor's side, illustrating the placement of the USB-C ports, Mini-HDMI port, 3.5mm audio jack, power button, and OSD trackwheel.

3.2. Display Features

Experience superior visual quality with the following display characteristics:

- **Screen Size:** 16 inches
- **Resolution:** 2.5K (2520x1680)

- **Panel Type:** IPS A-grade screen
- **Aspect Ratio:** 3:2
- **Contrast Ratio:** 1500:1
- **Brightness:** 300 nits (cd/m²)
- **Color Gamut:** 100% sRGB
- **Viewing Angle:** 178 degrees wide
- **Refresh Rate:** 60 Hz
- **Special Features:** HDR, Low Blue Light, FreeSync



Image: The monitor displaying vibrant colors, with icons indicating 2.5K QHD, IPS 178°, and 100% sRGB color mode.



Image: A visual representation of the monitor's eye-care technology, showing reduced blue light for comfortable viewing.

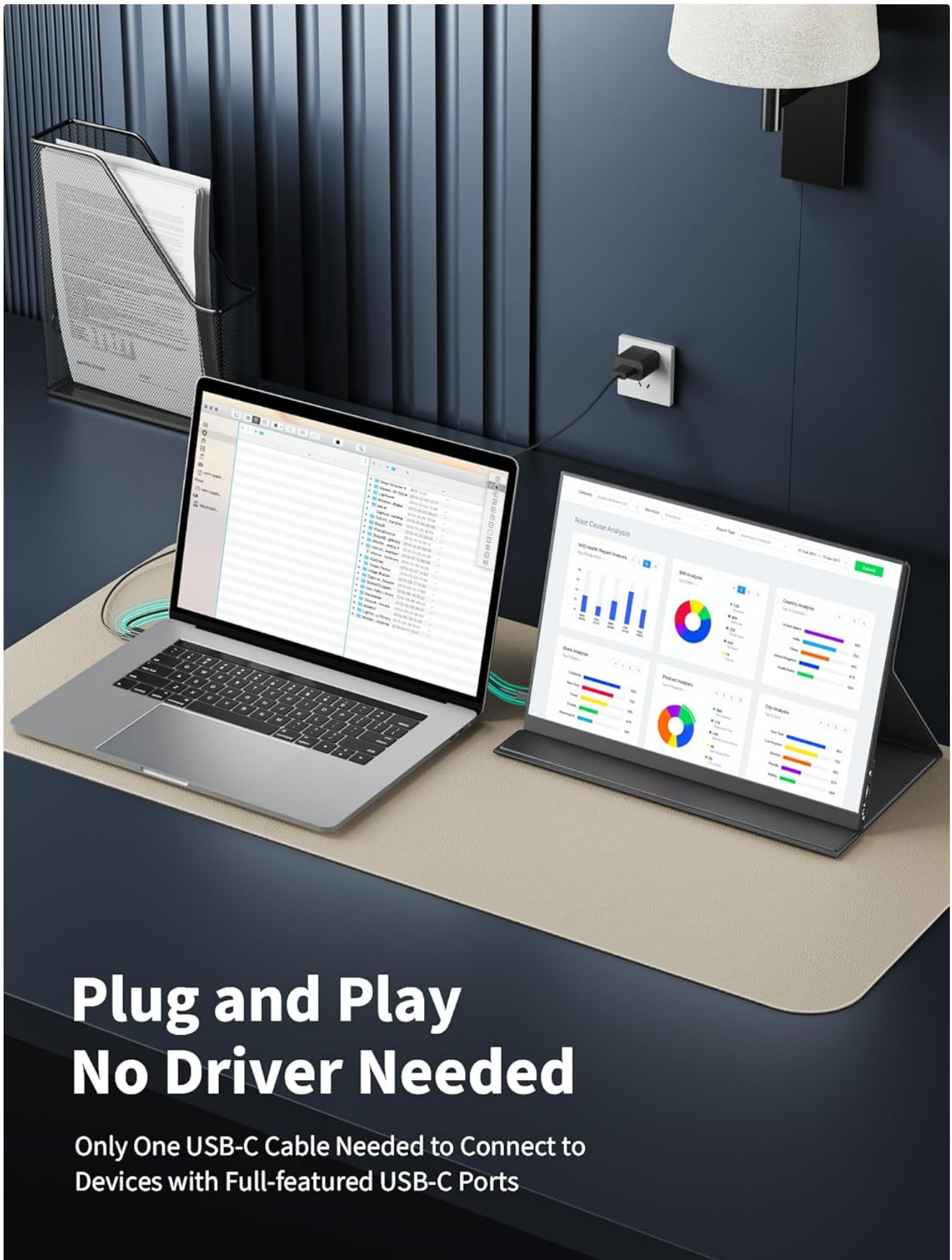
4. SETUP

The MAGICRAVEN portable monitor is designed for plug-and-play functionality, requiring no driver installation for most devices.

4.1. Connecting to a Laptop/PC (USB-C)

For laptops with a full-featured USB-C 3.1 Gen2 port that supports DisplayPort Alternate Mode and Power Delivery:

1. Connect one end of the provided USB-C to USB-C cable to a full-featured USB-C port on your laptop.
2. Connect the other end of the USB-C to USB-C cable to one of the USB-C ports on the portable monitor.
3. The monitor should automatically detect the signal and power on. Adjust display settings on your laptop if necessary.



Plug and Play No Driver Needed

Only One USB-C Cable Needed to Connect to
Devices with Full-featured USB-C Ports

Image: A laptop connected to the portable monitor using a single USB-C cable, demonstrating the plug-and-play functionality.

Video: A user demonstrating how the Magicraven portable monitor connects and works with a Mac laptop, showcasing its compatibility and ease of use.

4.2. Connecting to a Laptop/PC (HDMI + USB-C for Power)

For devices without a full-featured USB-C port, or if additional power is needed:

1. Connect one end of the provided Mini-HDMI to HDMI cable to the Mini-HDMI port on the monitor.
2. Connect the other end of the HDMI cable to the HDMI port on your laptop/PC.
3. Connect the provided USB-A to USB-C cable to the power adapter, then plug the USB-C end into one of the monitor's USB-C ports for power.
4. Plug the power adapter into a wall outlet.

 **USB-C 3.1**
⚡ ↻



 **USB-C 3.1**
⚡ ↻

 **USB HUB**
HDMI 2.0 USB-C 3.1 ↻



 **USB-C 3.1**
↻ ⚡

 **USB-C 3.1**
⚡ ↻



 **HDMI 2.0**
↻ ⚡

 **USB-C 3.1**
⚡ ↻



Image: Illustrations of different connection scenarios, including USB-C to USB-C, USB-C with USB Hub, USB-C to phone, and HDMI with USB-C power.

4.3. Connecting to Gaming Consoles (PS5, Xbox, Switch)

The monitor is compatible with various gaming consoles:

1. Connect the Mini-HDMI to HDMI cable from the monitor to your console.
2. Provide power to the monitor using the USB-A to USB-C cable and power adapter, or a full-featured USB-C port from a compatible power source.
3. Ensure your console's display settings are configured for external output.



Image: A Nintendo Switch connected to the portable monitor, demonstrating its use as a gaming display.

Video: A short video showcasing the 16-inch portable monitor, including its physical features and connection to a Nintendo Switch for gaming.

4.4. Connecting to a Smartphone/Tablet

For smartphones/tablets with a full-featured USB-C port supporting DisplayPort Alternate Mode and Power Delivery:

1. Connect one end of the provided USB-C to USB-C cable to your smartphone/tablet.
2. Connect the other end of the USB-C to USB-C cable to one of the USB-C ports on the portable monitor.
3. The monitor should automatically mirror or extend your device's display.



Image: A smartphone connected to the portable monitor, demonstrating the duplicated display mode for larger viewing.

5. OPERATING

5.1. On-Screen Display (OSD) Menu

The OSD menu allows you to customize various display settings:

- **Accessing the Menu:** Press the OSD trackwheel to open the menu.
- **Navigation:** Use the OSD trackwheel to scroll through options.
- **Selection:** Press the OSD trackwheel to select an option.
- **Exit:** Press the Power/Back button to go back or exit the menu.

Key adjustable settings include:

- **Brightness:** Adjust the screen's luminance.

- **Contrast:** Modify the difference between light and dark areas.
- **HDR Mode:** Enable or disable High Dynamic Range for enhanced visuals.
- **ECO Mode:** Optimize power consumption.
- **DCR (Dynamic Contrast Ratio):** Enhance contrast dynamically.
- **Color Settings:** Adjust color temperature, hue, and saturation.

Video: A detailed review showing the monitor's display quality, port configuration, and navigation through the OSD menu to adjust settings like brightness and contrast.

5.2. Audio

The monitor features dual built-in speakers for audio output. You can also connect external headphones or speakers via the 3.5mm audio output jack for a personalized audio experience.



Image: The portable monitor highlighting its dual built-in speakers, designed to deliver a pleasant audio experience.

6. MAINTENANCE

- **Cleaning the Screen:** Use the provided cleaning cloth or a soft, lint-free cloth to gently wipe the screen. Avoid using harsh chemicals or abrasive materials.
- **Cleaning the Body:** Wipe the monitor's body with a soft, damp cloth.
- **Magnetic Cover Care:** The magnetic cover is designed for protection and can be wiped clean with a damp cloth. Ensure it is dry before reattaching.
- **Storage:** When not in use, store the monitor in its protective magnetic cover to prevent scratches and damage.

7. TROUBLESHOOTING

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

- **No Signal:**
 - Ensure all cables (USB-C, HDMI) are securely connected.
 - Verify that your device's output port supports video transmission (e.g., full-featured USB-C).
 - Check your device's display settings to ensure external display detection and configuration.
- **No Power:**

- Confirm the power adapter is correctly plugged into a working outlet and the monitor.
- If using a single USB-C cable, ensure your device's USB-C port provides sufficient power. Try connecting the external power adapter.

- **Display Issues (Flickering, Incorrect Colors):**

- Try a different cable to rule out cable defects.
- Adjust brightness, contrast, and color settings in the OSD menu.
- Ensure your device's graphics drivers are up to date.

- **No Audio from Speakers:**

- Check the volume settings on both the monitor (via OSD) and your connected device.
- Ensure no headphones are plugged into the 3.5mm audio jack.

For further assistance, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	P15
Screen Size	16 inches
Resolution	2520x1680 Pixels (2.5K QHD Wide 1680p)
Aspect Ratio	3:2
Panel Type	IPS
Contrast Ratio	1500:1
Image Brightness	300 Candela (nits)
Refresh Rate	60 Hz
Connectivity	2 x USB-C 3.2, 1 x Mini-HDMI 2.0, 1 x 3.5mm Audio, 1 x OTG Port
Built-in Speakers	Yes
Product Dimensions	0.39 x 13.7 x 9.69 inches
Item Weight	1.6 pounds (Monitor Only)
Voltage	5 Volts (DC)
Screen Surface	Glossy

9. WARRANTY & SUPPORT

MAGICRAVEN is committed to providing excellent customer service and product reliability:

- **Return Policy:** 30-day return period.

- **Replacement Policy:** 90-day replacement period.
- **Warranty:** 2-year warranty.
- **Customer Support:** Lifetime support with 24/7 customer service, replies within 8 hours.

For any inquiries or support, please contact us at: support@magicraven-tech.com