AOC V50

AOC Portable Monitor V50 User Manual

MODEL: V50

Overview   **Setup**   **Introduction**   **Package Contents**   **Product Operating**   **Maintenance**   **Troubleshooting**   **Specifications**   **Warranty & Support**

1. Introduction

This manual provides essential information for the setup, operation, and maintenance of your AOC Portable Monitor V50. This 15.6-inch Full HD (1920x1080) IPS display offers a wide 178° viewing angle, 125% sRGB color coverage, 350 nits brightness, and HDR support for vivid visuals. Its ultra-slim (0.27 inches) and lightweight (1.5 lbs) design, crafted from premium aluminum alloy, ensures portability. The monitor features dual USB-C ports, one for display and one supporting up to 45W reverse charging, reducing cable clutter. It supports multiple display modes including mirror, extended, landscape, and portrait with 180° rotation. Integrated eye-care technology (low blue light and flicker-free) helps reduce eye strain, and dual built-in speakers provide clear audio. Wide compatibility allows connection to laptops, smartphones, and gaming consoles via USB-C (with DP Alt Mode or Thunderbolt 3/4 support) or Mini HDMI.

Image: The AOC Portable Monitor V50 showcasing its superior 125% sRGB IPS display with vivid colors and consistent brightness.

Image: The AOC Portable Monitor V50 demonstrating its ultra-slim and lightweight profile, ideal for portability.

2. Package Contents

Verify that all items are present in the package:

- AOC Portable Monitor V50
- Felt Protective Sleeve
- USB-C to USB-C Cable
- Mini HDMI to HDMI Cable
- USB-A to USB-C Power Cable
- USB-A Wall Charger (Power Adapter)
- Cleaning Cloth
- User Guide

3. Product Overview

The AOC Portable Monitor V50 features a sleek design with integrated controls and versatile connectivity options.

Image: Detailed diagram showing the various ports and buttons on the AOC Portable Monitor V50, including the power button, speakers, HD port, USB-C 3.1 ports, headphone jack, dial-wheel menu button, and screen.

3.1. Ports and Controls

- **Power Button:** Located on the side, also functions as a menu selection button.
- **Speakers:** Dual built-in speakers for audio output.
- **HD Port (Mini HDMI):** For video input from compatible devices.
- **USB-C 3.1 Ports (x2):** One for display and data, the other for power delivery (up to 45W reverse charging) and data.
- **3.5mm Headphone Jack:** For connecting external headphones or speakers.
- **Dial-wheel Menu Button:** Used to navigate and adjust settings in the On-Screen Display (OSD) menu.

3.2. Integrated Stand

The monitor features an integrated, foldable stand on the back panel. This stand allows for flexible positioning in both landscape and portrait orientations. It can be folded flat for easy transport within the protective sleeve.

Image: The rear of the AOC Portable Monitor V50, highlighting the integrated stand and the various connectivity ports.

4. Setup

4.1. Connecting to a Laptop/PC

1. **Via USB-C:** If your laptop/PC supports DisplayPort Alternate Mode (DP Alt Mode) or Thunderbolt 3/4, connect one end of the provided USB-C to USB-C cable to your device and the other end to one of the USB-C ports on the monitor. This single cable can transmit video, audio, and power.

2. **Via Mini HDMI:** Connect one end of the provided Mini HDMI to HDMI cable to the HD port on the monitor and the other end to the HDMI port on your laptop/PC. For power, connect the USB-A to USB-C power cable from your laptop's USB-A port or the included power adapter to the other USB-C port on the monitor.

4.2. Connecting to a Smartphone

If your smartphone supports DisplayPort Alternate Mode via USB-C, connect it directly to one of the monitor's USB-C ports using the USB-C to USB-C cable. The monitor will draw power from your phone or can be powered externally via the second USB-C port.

4.3. Connecting to Gaming Consoles (PS, Xbox, Nintendo Switch)

Connect your gaming console using the Mini HDMI to HDMI cable. Ensure the monitor is powered via the USB-A to USB-C power cable connected to the included power adapter or a compatible power source. For Nintendo Switch, ensure it supports video output via USB-C or use a compatible dock with HDMI output.
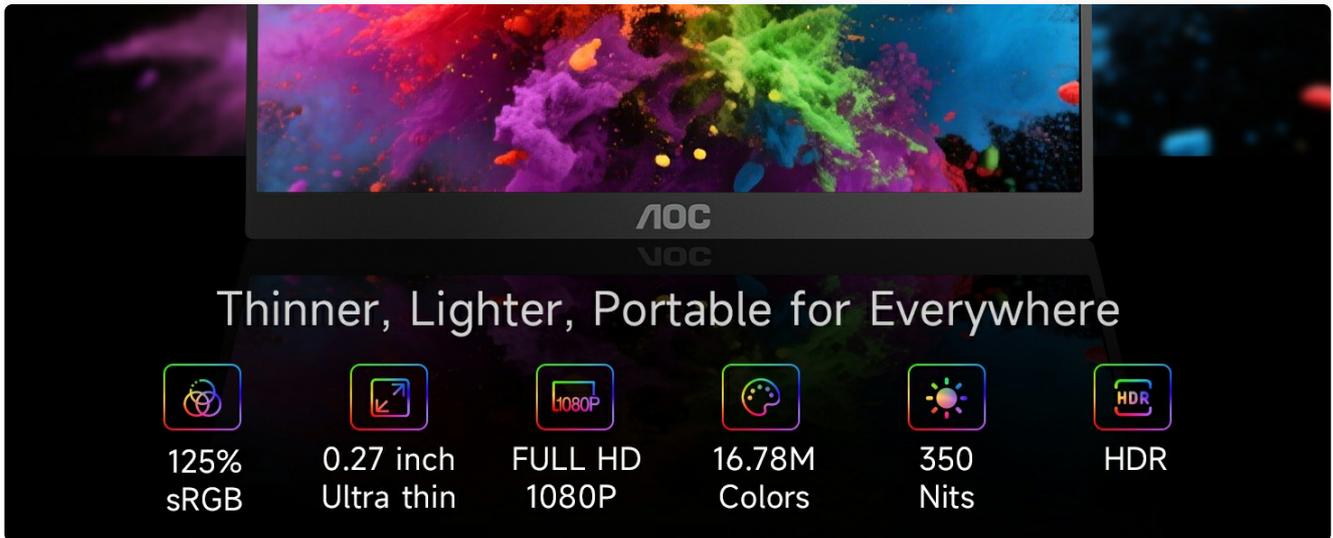

Image: The AOC Portable Monitor V50 connected to a laptop, illustrating the versatility of its dual USB-C ports for data, audio, video transfer, and charging.

5. Operating

5.1. Display Modes

The monitor supports various display configurations to suit your workflow:

- **Extended Mode:** Expands your desktop across both screens, providing more workspace.
- **Mirror Mode:** Duplicates your primary screen's content onto the portable monitor.
- **Landscape & Portrait Orientations:** The 180° rotation feature allows you to switch between horizontal and vertical viewing. Adjust this setting in your device's display settings (e.g., Windows Display Settings).
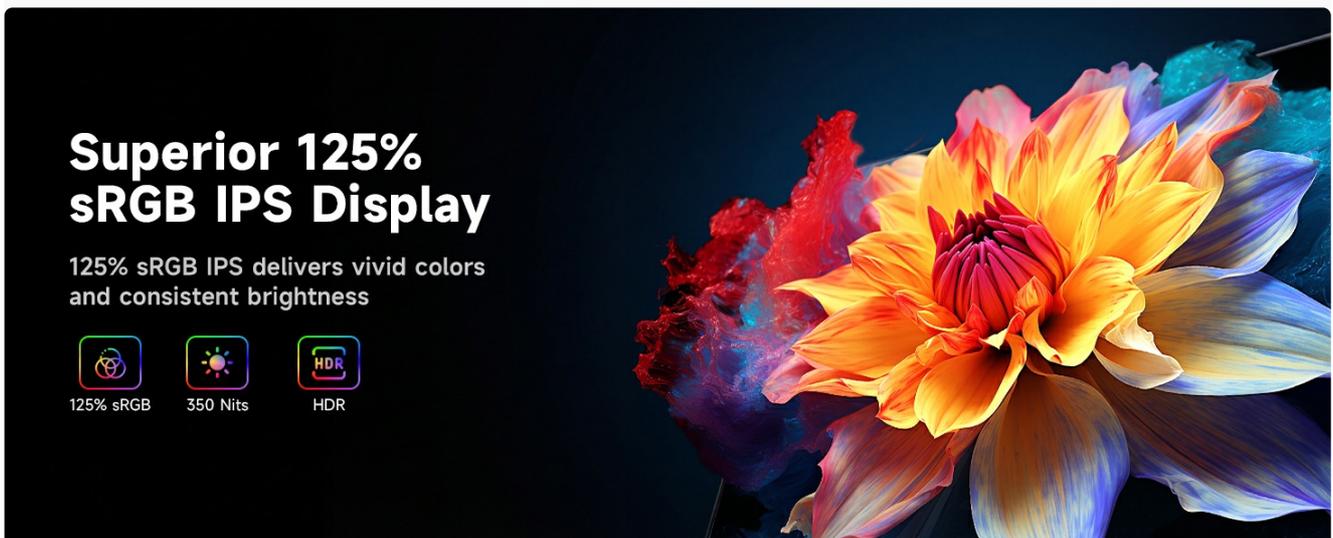

Image: The AOC Portable Monitor V50 demonstrating its multiple display modes, including landscape, expanded, mirror, and portrait, for flexible use.

5.2. Menu Navigation

Use the dial-wheel menu button to access and navigate the On-Screen Display (OSD) menu. Press the button to open the menu, then roll it up or down to select options, and press again to confirm. Adjust settings such as brightness, contrast, color temperature, input source, and more.

5.3. Eye-Care Technology

The monitor incorporates Low Blue Light and Flicker-Free technologies to minimize eye strain during prolonged use. These features provide a more comfortable viewing experience.
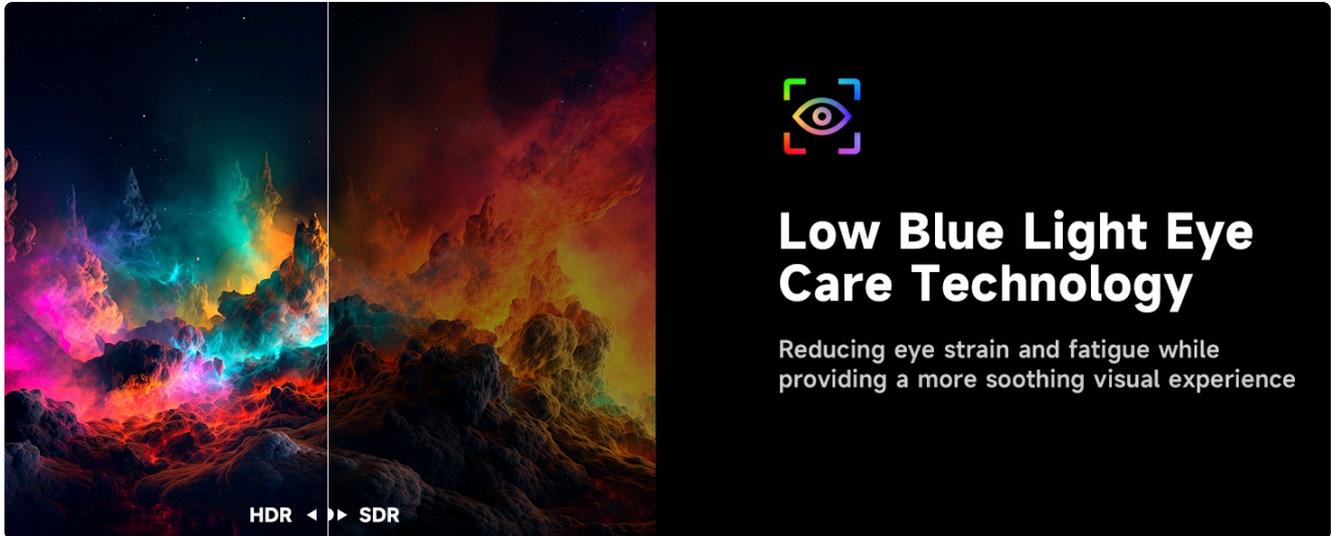

Image: The AOC Portable Monitor V50 showcasing its 178° eye-care wide screen with Low Blue Light and Flickerless technologies to reduce eye strain.

5.4. Audio

The monitor is equipped with dual built-in speakers for convenient audio output. For private listening or higher quality audio, connect headphones or external speakers to the 3.5mm audio jack.
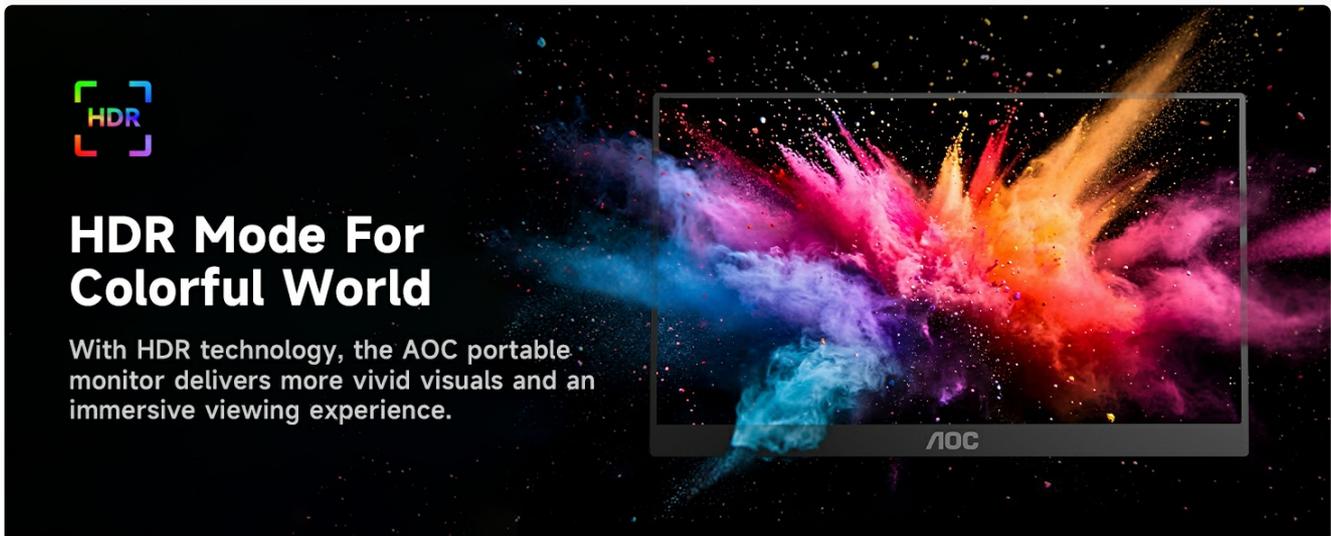

Image: The AOC Portable Monitor V50 illustrating its dual built-in speakers, providing richer and more immersive sound compared to single-speaker monitors.

6. Maintenance

6.1. Cleaning the Screen

To clean the monitor screen, gently wipe it with the provided cleaning cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid using harsh chemicals, abrasive materials, or spraying

liquids directly onto the screen.

6.2. Storing the Monitor

When not in use or during transport, always place the monitor in its felt protective sleeve to prevent scratches and damage. Ensure no loose objects are inside the sleeve that could press against the screen.

7. Troubleshooting

- **No Signal / Black Screen:**

    - Ensure all cables (USB-C, HDMI) are securely connected to both the monitor and your device.
    - Verify the monitor is receiving power. If using HDMI, ensure the USB-C power cable is connected to a power source.
    - Check your device's display settings to ensure the external monitor is detected and enabled (e.g., extend or duplicate display).
    - Use the monitor's menu button to manually select the correct input source (USB-C or HDMI).

- **Display Not Rotating:**

    - Adjust the display orientation settings in your operating system (e.g., Windows Display Settings or macOS System Preferences).

- **No Sound:**

    - Check the volume level on both the monitor and your connected device.
    - Ensure the correct audio output device is selected in your operating system's sound settings.
    - If using headphones, ensure they are fully plugged into the 3.5mm audio jack.

- **Power Issues:**

    - If the monitor is not turning on or is flickering, ensure the power adapter and USB-C power cable are correctly connected and functioning.
    - If powering via a device's USB-C port, ensure the device can provide sufficient power (DP Alt Mode with power delivery).

8. Specifications

Feature	Detail
Model Number	V50
Screen Size	15.6 Inches
Resolution	1920 x 1080 (Full HD)
Panel Type	IPS
sRGB Coverage	125%
Brightness	350 nits
Viewing Angle	178°

Feature	Detail
Aspect Ratio	16:9
Screen Surface	Matte
HDR Support	Yes
Connectivity	2x USB-C (DP Alt Mode, Power Delivery), 1x Mini HDMI
Audio	Dual Built-in Speakers, 1x 3.5mm Headphone Jack
Product Dimensions	0.43 x 13.93 x 8.66 inches
Item Weight	3.47 pounds
Manufacturer	AOC

MULTIPLE PORTS & WIDE COMPATIBILITY

NON-TOUCH   NO BATTERY   NO WIFI   NO BLUETOOTH   NO CAMERA

1:Power button
2:Speaker
3:HD Port
4:USB-C 3.1Port

5: USB-C 3.1 Port
6:3.5mm Headphone Jack
7:Dial-wheel Menu Button
8:Screen

USB-C   Laptop   Tablet   Phone   Camera   Xbox   PS4/5   Host   HDMI

Image: The AOC Portable Monitor V50 displaying its physical dimensions, including width, height, and thickness.

9. Warranty & Support

AOC is committed to providing excellent customer service and product reliability.

- **24/7 Support:** Reach out for assistance anytime via your order page. Responses are typically provided within 24 hours.
- **30-Day Return:** Full refund available within 30 days of purchase, no questions asked.
- **1-Year Replacement:** Free product replacement for issues occurring within one year of purchase.

Image: An overview of AOC's Warranty & Support services, detailing 24/7 support, 30-day returns, and 1-year replacement policy.