

## ASUS PA27JCV

# ASUS ProArt Display 27" 5K HDR Professional Monitor (PA27JCV) User Manual

Model: PA27JCV

## 1. INTRODUCTION

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The ASUS ProArt Display PA27JCV is a 27-inch 5K HDR professional monitor designed for content creators who demand exceptional color accuracy and visual clarity. This manual provides comprehensive instructions for setting up, operating, and maintaining your monitor to ensure optimal performance.

## 2. WHAT'S IN THE BOX

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Verify that all items are present in the packaging:

- PA27JCV Monitor
- Color pre-calibration report
- HDMI Cable
- Power cord
- USB-C Cable

# Versatile comfort with ergonomic stand design



Figure 2.1: Included accessories with the ASUS ProArt PA27JCV monitor. This includes the monitor unit, HDMI cable, USB-C cable, power cord, and a color pre-calibration report.

## 3. SETUP

### 3.1 Assembling the Stand

Carefully attach the monitor panel to the stand base. Ensure all connections are secure. The stand allows for versatile adjustments including tilt, pivot, swivel, and height for ergonomic comfort.

# Seamless Multitasking Across Two Devices

Built-in Auto KVM for seamless switching between two laptops or PCs with one keyboard and mouse



Figure 3.1: Rear view of the monitor illustrating the stand assembly and cable routing options.



Figure 3.2: The monitor stand offers extensive ergonomic adjustments including tilt (+23° to -5°), pivot (90°), swivel (+30° to -30°), and height adjustment (+30 to -30 cm).

### 3.2 Connecting to a Computer

Connect the monitor to your computer using the provided HDMI or USB-C cable. The USB-C port supports DisplayPort connectivity, superfast data transfers, and 96-watt power delivery, allowing for a single-cable solution for compatible laptops.

# The USB-C® That Does it All

Enable data transfers, DisplayPort connectivity, and 96-watt power delivery



HDMI 2.1



DisplayPort 1.4 (In)



USB-C



USB hub



Earphone Jack



Figure 3.3: The USB-C connection provides power, display signal, data transfer, and audio through a single cable.

# Sustaining an Incredible Future

## Environmental Certification

ProArt Display PA27JCV is stringently tested to meet the requirements of world-leading sustainability certifications. These tests include a comprehensive database of up-to-date criteria, independent verification, and a structured system for continuous improvement.



## Eco-friendly Packaging

ProArt Displays are shipped in packaging made from 100% recycled cardboard with FSC Mix. The packaging has been designed to minimize weight and volume, helping to conserve natural resources and allowing more devices to be transported in a single shipping container.



## Reusable Packaging

The cardboard box can be cut into a smaller box to pack small items on your desk, such as cables, adapters, or other accessories. It also includes a foldable phone stand. This is a great way to reduce waste, save money on packaging materials, and create added benefits.



## Energy-Efficient Features

ProArt Displays has a power-saving Eco-mode, and achieve zero-watt power consumption with hard-switch off.



Figure 3.4: Available ports on the monitor include HDMI 2.1, DisplayPort 1.4 (In), USB-C, USB hub, and Earphone Jack.

## 4. OPERATING THE MONITOR

### 4.1 Power On/Off

Press the power button located on the bottom right side of the monitor to turn it on or off.

### 4.2 On-Screen Display (OSD) Menu

Navigate the OSD menu using the buttons on the bottom bezel to adjust various settings such as brightness, contrast, color modes, and input selection.

### 4.3 Color Accuracy and Calibration

The PA27JCV is Calman Verified and factory pre-calibrated to Delta E<2 for exceptional color accuracy. It supports 99% DCI-P3, 100% sRGB, and 95% Adobe RGB color spaces.

# Enjoy True-to-Life Color

## Class-Leading Color Fidelity



**99%**  
DCI-P3

**95%**  
Adobe RGB

**$\Delta E < 2$**



Figure 4.1: The monitor offers class-leading color fidelity with 99% DCI-P3, 95% Adobe RGB, and Delta E < 2 color accuracy.

# Ensure Color Precision Every Moment with Light Sync Solutions



The **backlight sensor** adjusts screen brightness on startup for bright, consistent color



The **ambient light sensor** adjusts the monitor's color gamut based on lighting for accurate colors in any environment

Figure 4.2: Ambient light and backlight sensors automatically adjust visual settings to ensure brightness and color temperature accuracy.

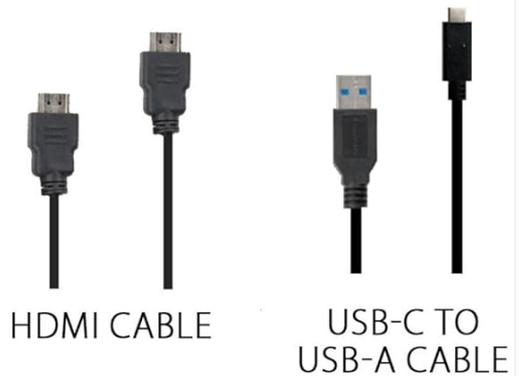
## 4.4 Auto KVM Functionality

The built-in Auto KVM feature allows for seamless switching between two connected laptops or PCs using a single keyboard and mouse, enhancing multitasking efficiency.

# What's in the Box



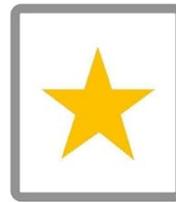
PA27JCV MONITOR



COLOR CALIBRATION REPORT



QUICK START GUIDE



WARRANTY CARD



POWER CORD

Figure 4.3: Seamless multitasking across two devices is possible with the built-in Auto KVM.

## 4.5 Eye Care Features

The monitor incorporates ASUS Eye Care technology, including Flicker-Free and Low Blue Light features, to reduce eye strain during prolonged use.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the ASUS Eyecare features, including anti-glare screen, blue light filter, flicker-free technology, and ergonomic design, all contributing to proper protection for better eye health.

## 5. MAINTENANCE

### 5.1 Cleaning the Monitor

Use a soft, lint-free cloth to gently wipe the screen and chassis. Avoid using abrasive cleaners or solvents. For stubborn marks, lightly dampen the cloth with water or a mild, non-abrasive screen cleaner.

### 5.2 Environmental Considerations

Keep the monitor in a well-ventilated area, away from direct sunlight and heat sources. Avoid blocking the ventilation openings.



Figure 5.1: The ProArt Display PA27JCV meets world-leading sustainability certifications (EPEAT Gold, Energy Star) and uses eco-friendly, reusable packaging.

## 6. TROUBLESHOOTING

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- **No Power:** Ensure the power cord is securely connected to both the monitor and a working power outlet. Check the power indicator light.
- **No Signal:** Verify that the video cable (HDMI or USB-C) is correctly connected to both the monitor and the computer. Ensure the correct input source is selected via the OSD menu.
- **Flickering Screen:** Check the video cable connection. Ensure the display refresh rate is set correctly in your computer's display settings.
- **Poor Image Quality:** Adjust brightness, contrast, and color settings through the OSD menu. Ensure the display resolution matches the native 5120 x 2880 resolution for optimal clarity.
- **KVM Not Switching:** Confirm that both computers are properly connected to the monitor's USB-C and other video inputs. Ensure the KVM function is enabled in the OSD settings.

## 7. SPECIFICATIONS

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Feature	Specification
Screen Size	27 Inches
Screen Resolution	5120 x 2880 Pixels (5K)

Display Type	LED-backlit HDR IPS Panel
Color Gamut	99% DCI-P3, 100% sRGB, 95% Adobe RGB
Color Accuracy	Calman Verified, Delta E<2
Connectivity	HDMI 2.1, DisplayPort 1.4 (In), USB-C (96W PD), USB Hub (4x USB 3.0), Earphone Jack
Ergonomics	Tilt, Pivot, Swivel, Height Adjustment
Weight	13 pounds
Dimensions (LxWxH)	27 x 7 x 15 inches
Model Number	PA27JCV

## 8. WARRANTY AND SUPPORT

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The ASUS ProArt Display PA27JCV comes with a **3-year limited warranty**. For technical support, troubleshooting assistance, or warranty claims, please visit the official ASUS support website or contact their customer service.

Keep your purchase receipt and the product's serial number handy for faster service.

Additional protection plans may be available for purchase. Refer to your retailer for details.