ASUS PG27AQDP

ASUS ROG Swift OLED PG27AQDP 27-inch 1440P 480Hz Gaming Monitor Instruction Manual

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your ASUS ROG Swift OLED PG27AQDP gaming monitor. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.



Image 1.1: Front view of the ASUS ROG Swift OLED PG27AQDP monitor.

The ROG Swift OLED PG27AQDP is a 27-inch QHD (2560x1440) OLED gaming monitor featuring a 480 Hz refresh rate and a 0.03 ms response time. It incorporates WOLED technology, 99% DCI-P3 color coverage, and G-SYNC compatibility for a high-performance visual experience. Advanced features include a ROG AI Assistant, OLED Anti-flicker technology, and OLED Care+ software designed for panel longevity.

2. Package Contents

Verify that all items listed below are present in your product packaging:

- ASUS ROG Swift OLED PG27AQDP Monitor
- Monitor Stand (Base and Arm)
- VESA Mount Kit
- USB 3.2 Cable
- DisplayPort Cable
- HDMI Ultra High-Speed Cable
- Microfiber Cloth
- Power Cord & Adapter
- ROG Pouch
- ROG Sticker

- Warranty Card
- Color Pre-calibration Report
- Quick Start Guide

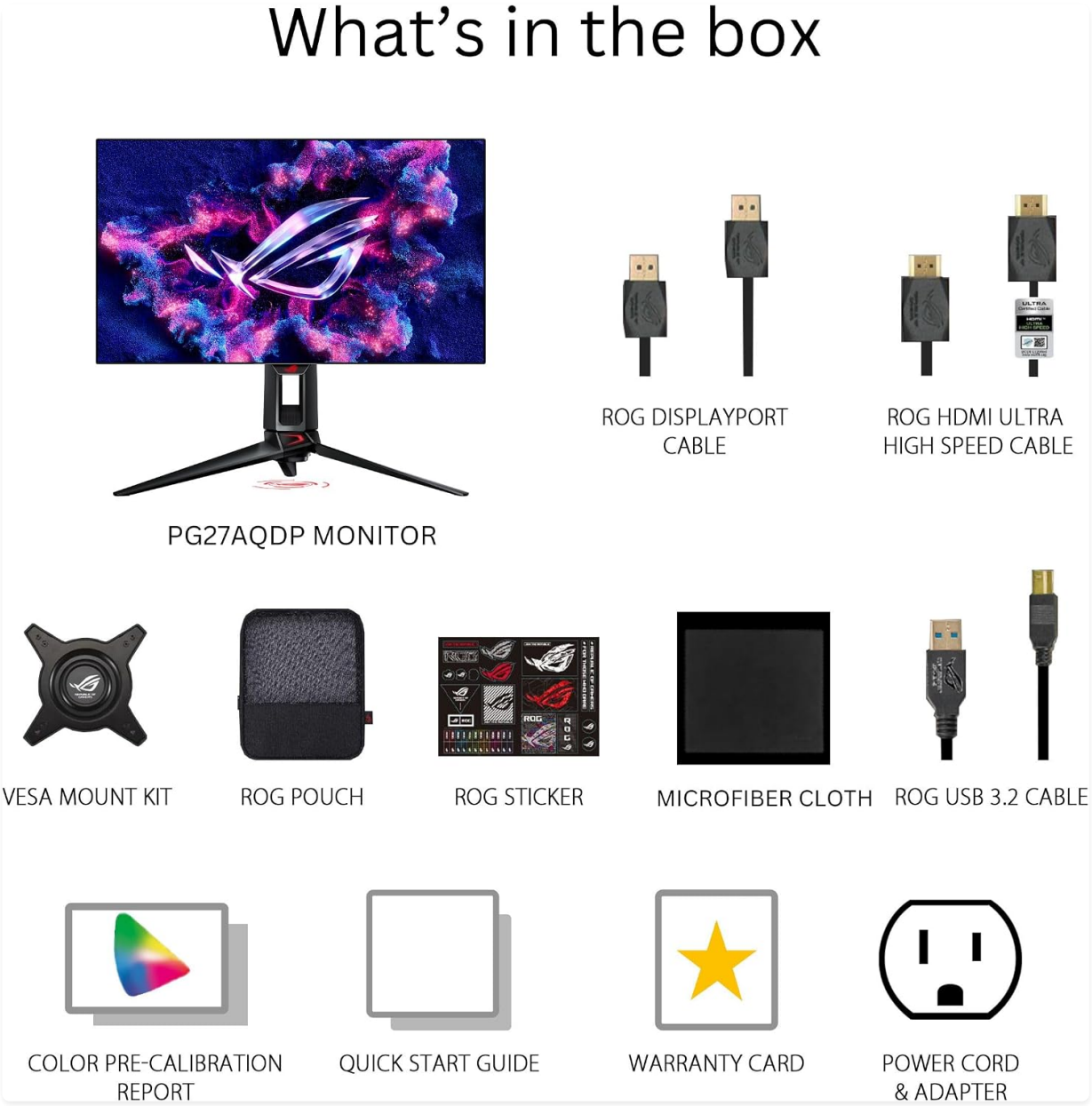


Image 2.1: Included cables (USB 3.2, DisplayPort, HDMI).



Image 2.2: Overview of all items included in the box.

3. Setup Instructions

3.1 Monitor Assembly

Follow these steps to assemble the monitor stand:

1. Carefully remove the monitor from its packaging, keeping it face down on a soft, flat surface to protect the screen.
2. Attach the stand arm to the back of the monitor. Ensure it clicks securely into place.
3. Attach the stand base to the bottom of the stand arm. Tighten the thumbscrew located underneath the base to secure it.
4. Place the decorative puck with the ROG logo onto the designated area at the bottom of the stand base. This piece is magnetic and will snap into place.

Video 3.1: Unboxing and assembly of the ASUS ROG Swift OLED PG27AQDP monitor. This video demonstrates the process of unpacking the monitor and assembling its stand components, including attaching the arm to the monitor and securing the base.

Video 3.1: Unboxing and assembly of the ASUS ROG Swift OLED PG27AQDP monitor.

3.2 Connecting Cables

The monitor features various input ports on its rear panel:

- **DC Power Input:** Connect the power adapter and cord here.
- **HDMI 2.1 Ports (x2):** For connecting devices like gaming consoles or PCs.
- **DisplayPort 1.4 (DSC):** For connecting to a PC, supporting high refresh rates with Display Stream Compression.
- **3.5mm Headphone Jack:** For audio output to headphones or external speakers.
- **USB 3.2 Upstream Port:** Connects to your PC to enable the monitor's USB-A downstream ports.
- **USB-A Downstream Ports (x2):** For connecting peripherals like keyboards, mice, or other USB devices.

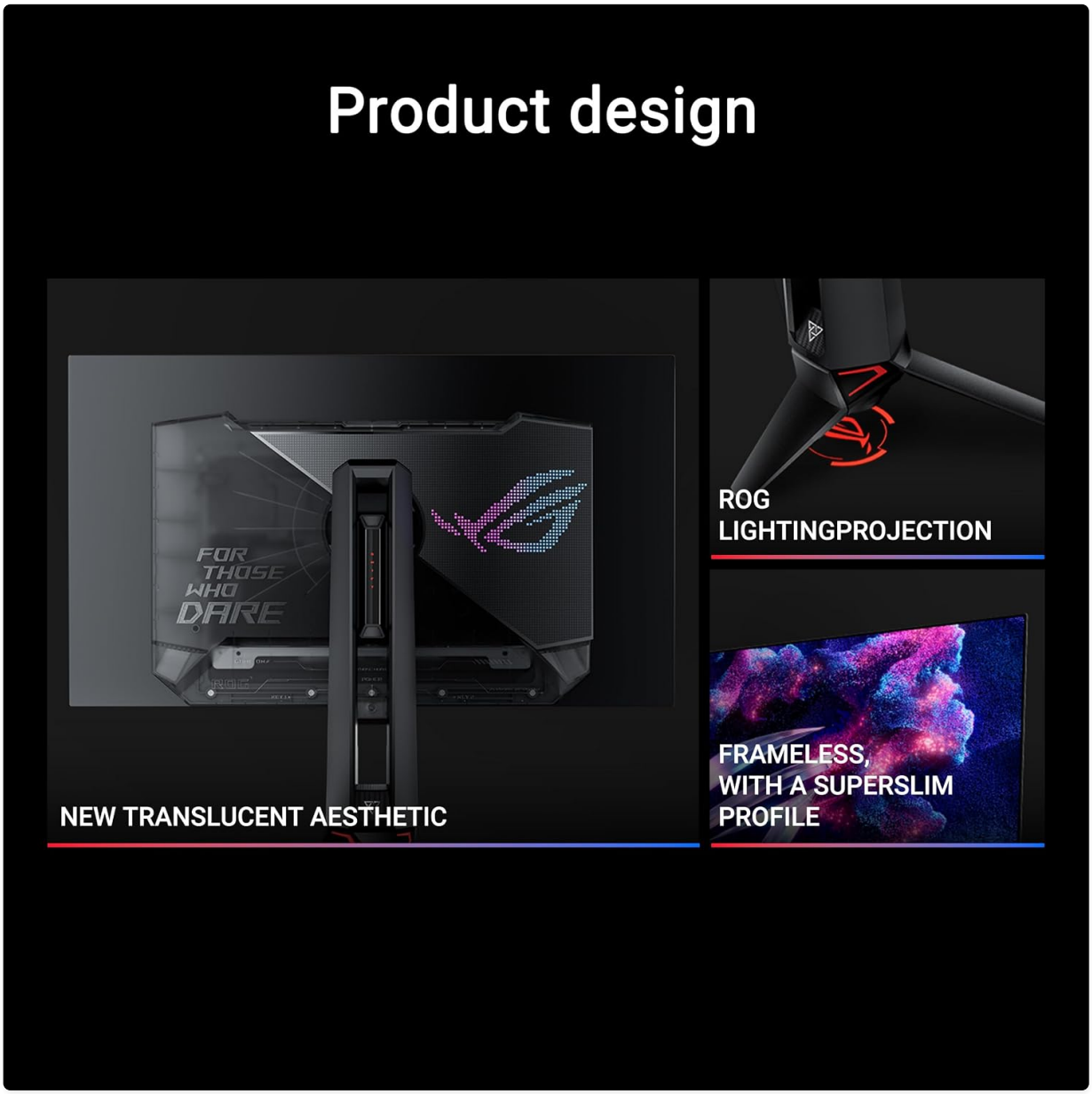


Image 3.1: Rear view of the monitor showing the input and output ports.

Connect the appropriate video cable (DisplayPort or HDMI) from your computer or gaming console to the monitor. Connect the USB 3.2 upstream cable from your computer to the monitor to enable the USB-A ports. Finally, connect the power adapter and power cord to the monitor and a power outlet.

4. Operating Instructions

4.1 On-Screen Display (OSD) Navigation

The monitor's OSD menu is controlled using a 5-way joystick and two hotkeys located on the bottom right of the monitor's rear panel.

- **Joystick:** Push up/down/left/right to navigate menu options, push in to select.
- **Hotkeys:** Customizable shortcuts for quick access to specific functions.



Image 4.1: On-Screen Display (OSD) menu interface.

4.2 Display Settings

Adjust various display parameters through the OSD menu:

- **Brightness & Contrast:** Adjust image luminance and contrast levels.
- **Color Settings:** Fine-tune color temperature, saturation, and hue.
- **Refresh Rate:** Select desired refresh rate up to 480Hz.
- **Resolution:** Set the display resolution to 2560x1440 (QHD) for optimal clarity.
- **HDR Setting:** Choose from various HDR modes (Gaming HDR, Cinema HDR, Console HDR, DisplayHDR 400 True Black, Adjustable HDR) to enhance dynamic range.
- **ROG OLED Anti-flicker Technology:** Reduces screen flickering during refresh rate fluctuations. This feature can be set to Medium or High.
- **Extreme Low Motion Blur (ELMB):** Enhances motion clarity in fast-paced games.

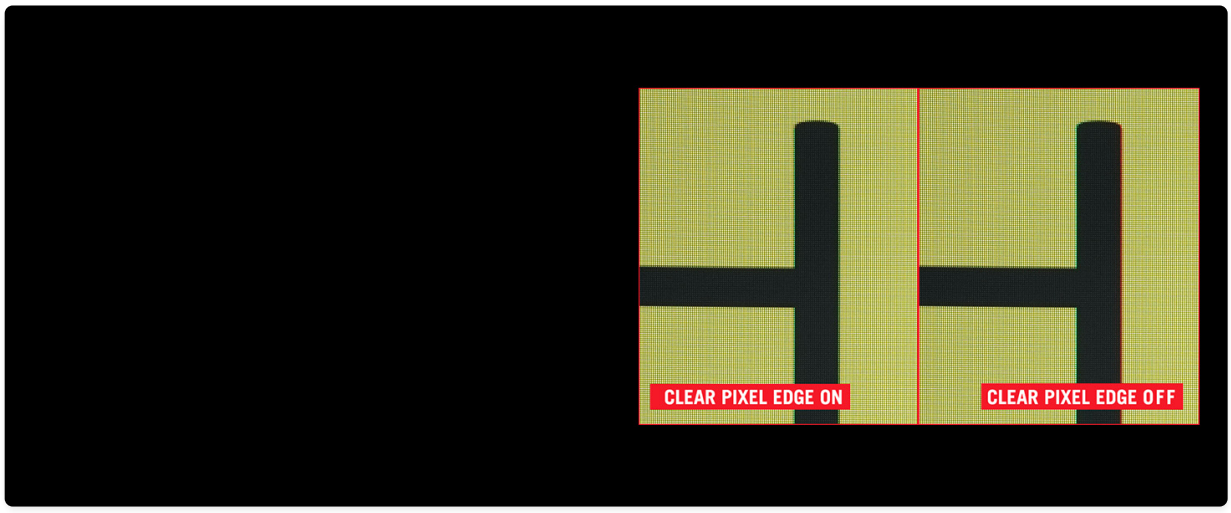


Image 4.2: ROG OLED Anti-flicker Technology in action, reducing flicker during refresh rate changes.

Video 4.1: This video demonstrates the monitor's performance in a gaming scenario, highlighting the smooth visuals and fast response times. It also shows the OSD menu for adjusting settings like OLED Anti-flicker and HDR modes.

Video 4.1: Monitor performance and OSD settings demonstration.

4.3 AI Assistant Features

The ROG AI Assistant provides several in-game enhancements:

- **AI Crosshair:** Provides an on-screen crosshair for improved aiming.
- **AI Shadow Boost:** Enhances visibility in dark areas without overexposing bright scenes.
- **AI Visual:** Optimizes visual settings for different game genres.
- **AI Sniper:** Provides a magnified view for precise long-range shots.
- **MOBA Map Helper:** Offers an overlay for better map awareness in MOBA games.

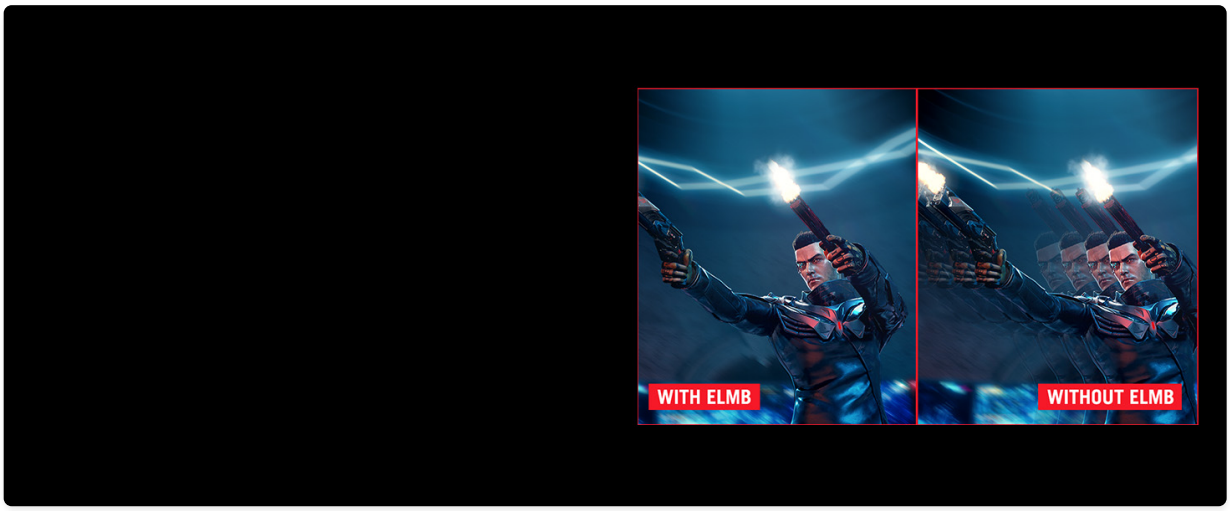


Image 4.3: Visual representation of ROG AI Assistant features like Crosshair, Shadow Boost, and Visual modes.

4.4 OLED Care+ Features

To ensure the longevity of the OLED panel and reduce the risk of burn-in, the monitor includes OLED Care+ features:

- **Pixel Cleaning:** Automatically refreshes pixels to prevent image retention.
- **Screen Save:** Activates a screen saver after a period of inactivity.
- **Pixel Move:** Shifts pixels slightly to prevent static image burn-in.
- **Target Mode:** Adjusts brightness for specific areas of the screen.
- **Logo Brightness Adjustment:** Automatically dims static logos.
- **Taskbar Detection:** Dims the Windows taskbar to prevent burn-in.
- **Outer Dimming Detection:** Dims static elements on the screen edges.
- **Global Dimming Detection:** Dims the entire screen when static content is detected.

Image 4.4: Overview of OLED Care+ features for panel protection.

5. Specifications

Feature	Description
Screen Size	26.5 Inches
Panel Type	WOLED
Resolution	QHD (2560x1440)
Refresh Rate	480Hz
Response Time	0.03ms (GtG)

Color Gamut	99% DCI-P3
Color Depth	True 10-bit
HDR Support	DisplayHDR400 True Black
G-SYNC Compatibility	Yes
Anti-glare Coating	Matte
Connectivity	2x HDMI 2.1, 1x DisplayPort 1.4 (DSC), 1x USB 3.2 Upstream, 2x USB-A Downstream, 1x 3.5mm Headphone Jack
Dimensions (LxWxH)	10.8 x 23.8 x 21.6 inches
Weight	13.7 pounds

6. Troubleshooting

If you encounter issues with your monitor, refer to the following common solutions:

- **No Power:** Ensure the power cord and adapter are securely connected to both the monitor and a working power outlet.
- **No Signal:** Verify that the video cable (DisplayPort or HDMI) is correctly connected to both the monitor and your source device (PC, console). Select the correct input source via the OSD menu.
- **Flickering Screen:** Activate the ROG OLED Anti-flicker technology in the OSD menu (Image > OLED Anti-flicker). Ensure your graphics card drivers are up to date.
- **Image Retention/Burn-in:** Utilize the OLED Care+ features regularly, such as Pixel Cleaning and Pixel Move, to maintain panel health. Avoid displaying static images for extended periods.
- **Poor Image Quality:** Adjust brightness, contrast, and color settings in the OSD menu. Ensure the correct resolution (2560x1440) and refresh rate (up to 480Hz) are selected in your operating system's display settings.

For further assistance, consult the full user manual or contact ASUS customer support.

7. Warranty and Support

The ASUS ROG Swift OLED PG27AQDP monitor comes with a 3-year warranty. Please refer to the included Warranty Card for detailed terms and conditions.

For technical support, driver downloads, or additional product information, please visit the official ASUS support website or contact your regional ASUS customer service center.

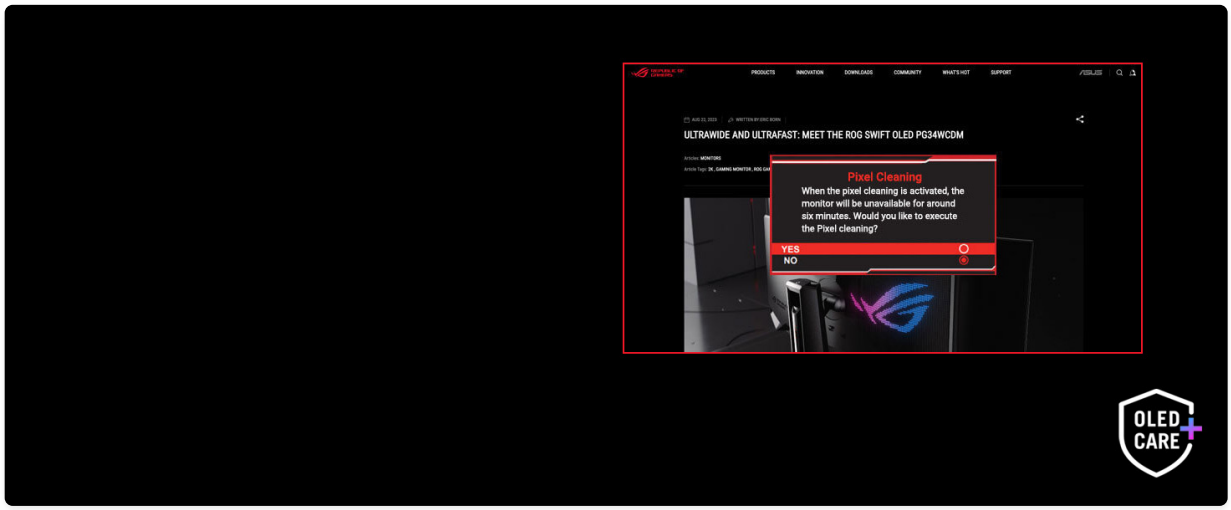


Image 7.1: The monitor includes a 3-year warranty for peace of mind.