

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [ASUS](#) /
- › [ASUS TUF Gaming 27" 1440P Monitor \(VG27AQL3A\) Instruction Manual](#)

ASUS VG27AQL3A

ASUS TUF Gaming 27" 1440P Monitor (VG27AQL3A) Instruction Manual

Brand: ASUS | Model: VG27AQL3A

1. INTRODUCTION

The ASUS TUF Gaming VG27AQL3A is a 27-inch QHD (2560 x 1440) gaming monitor designed for professional gamers and immersive gameplay. It features a Fast IPS panel with a blistering-fast 180Hz refresh rate and 1ms response time (GTG). This monitor incorporates ASUS Extreme Low Motion Blur Sync (ELMB Sync), AMD FreeSync™ Premium, and G-SYNC compatible technologies to deliver buttery-smooth, tear-free gaming visuals with high frame rates. Additionally, it supports DisplayHDR 400 and boasts a 130% sRGB gamut for exceptional colors and contrast.

2. WHAT'S IN THE BOX

Upon unboxing your ASUS TUF Gaming VG27AQL3A monitor, you should find the following components:

- ASUS TUF Gaming VG27AQL3A Monitor
- Monitor Stand (Base and Neck)
- DisplayPort Cable
- HDMI Cable
- USB 3.2 Cable
- L-shaped Screwdriver
- Power Cord
- Quick Start Guide
- Warranty Card

Incredible 180Hz Refresh Rate and 1ms GTG



Figure 2.1: Included accessories and components in the ASUS TUF Gaming VG27AQL3A package.

3. SETUP

3.1 Assembling the Stand

To assemble the monitor stand, align the stand neck with the base and secure it using the provided L-shaped screwdriver. Then, attach the assembled stand to the back of the monitor by aligning the mounting points and pressing firmly until it clicks into place. For VESA mounting, remove the stand and use a compatible VESA mount (100x100mm) with appropriate screws.

3.2 Connecting the Monitor

The VG27AQL3A monitor offers robust connectivity options:

- **DisplayPort 1.4:** Supports QHD (2560x1440) resolution at up to 180Hz.
- **HDMI 2.0 (x2):** Supports QHD (2560x1440) resolution at up to 144Hz.
- **3.5mm Earphone Jack:** For audio output to headphones or external speakers.
- **USB 3.2 Hub (x2):** For connecting peripherals.

Connect the appropriate video cable (DisplayPort or HDMI) from your computer's graphics card to the corresponding input on the monitor. Connect the power cord to the monitor and a power outlet. For USB hub functionality, connect the included USB 3.2 cable from your computer to the monitor's upstream USB port.

Robust Connectivity



HDMI (v2.0) HDMI (v2.0)

DisplayPort 3.5 mm earphone jack USB Hub

Figure 3.1: Rear connectivity ports of the ASUS TUF Gaming VG27AQL3A monitor.



ASUS displays have established a strong presence in the global market, renowned for the exceptional quality and innovative features and versatility.

Whether you're a gamer, a creator, modern professional, or simply looking for a great monitor for everyday use, ASUS has a wide range of products designed to cater to diverse needs.

Figure 3.2: Visual representation of monitor connectivity options.

3.3 Ergonomic Adjustments

The monitor stand allows for various ergonomic adjustments to optimize your viewing experience:

- **Height Adjustment:** 0 ~ 130 mm
- **Tilt:** +20° ~ -5°
- **Swivel:** +20° ~ -20°
- **Pivot:** +90° ~ -90° (for portrait mode)



Figure 3.3: Ergonomic adjustment capabilities of the monitor.

4. OPERATING THE MONITOR

4.1 On-Screen Display (OSD) Navigation

The monitor's settings are controlled via the On-Screen Display (OSD) menu, navigated using a joystick and four buttons located on the right backside of the monitor. This allows access to various settings including gaming features, image adjustments, color profiles, and input selection.

4.2 Gaming Features

- **180Hz Refresh Rate & 1ms GTG:** Provides ultra-smooth motion and minimal input lag for competitive gaming.
- **ELMB Sync (Extreme Low Motion Blur Sync):** Enables ELMB and variable refresh rate technologies to work simultaneously, eliminating ghosting and tearing for sharp visuals.
- **FreeSync Premium & G-SYNC Compatible:** Delivers a seamless, tear-free gaming experience by enabling Variable Refresh Rate (VRR) by default.
- **GamePlus:** Offers in-game enhancements like crosshairs, timers, FPS counters, and display alignment tools.
- **Shadow Boost:** Enhances dark areas of the game world without overexposing brighter regions, improving visibility of hidden enemies or details.
- **GameVisual:** Provides various display modes optimized for different game genres (e.g., Racing, RTS/RPG, FPS, Cinema, Scenery, sRGB, MOBA, Night Vision).



Figure 4.1: High refresh rate and fast response time for smooth gaming.

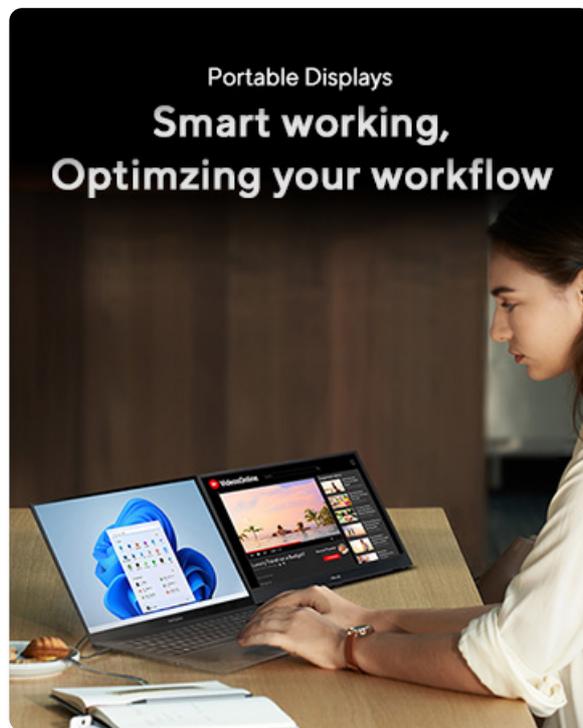


Figure 4.2: Adaptive Sync technology for fluid gameplay.

4.3 HDR Support

The monitor features High Dynamic Range (HDR) technology with DisplayHDR 400 compliance, supporting HDR-10 format. This enhances both bright and dark areas of the display, providing a more immersive and realistic visual experience with deeper blacks and brighter whites.

4.4 Video Demonstrations

Your browser does not support the video tag.

Video 4.1: A demonstration of ASUS Extreme Low Motion Blur Sync (ELMB Sync) technology, showcasing its effect on motion clarity in games.

Your browser does not support the video tag.

Video 4.2: A review by a gamer and YouTuber highlighting the features and performance of the ASUS 27-inch gaming monitor.

5. SPECIFICATIONS

Feature	Detail
Brand	ASUS
Model	VG27AQL3A
Screen Size	27 Inches
Max Screen Resolution	2560 x 1440 Pixels (QHD)
Refresh Rate	180Hz

Feature	Detail
Response Time	1ms (GTG)
Panel Type	Fast IPS
Color Gamut	130% sRGB
HDR Support	DisplayHDR 400 (HDR-10)
Adaptive Sync Technology	AMD FreeSync™ Premium, G-SYNC Compatible, ELMB Sync
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, 1x 3.5mm Earphone Jack, 2x USB 3.2 Hub
Ergonomics	Height, Tilt, Swivel, Pivot adjustable
Weight	15.21 pounds
Dimensions (LxWxH)	27 x 8 x 10 inches
Power Consumption	Less than 23W (typical)
Special Features	Flicker-Free, Low Blue Light

6. MAINTENANCE

6.1 Cleaning the Monitor

To ensure the longevity and optimal performance of your monitor, regular cleaning is recommended:

- Always power off the monitor and unplug it from the power outlet before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a non-abrasive, monitor-safe cleaning solution.
- Gently wipe the screen and exterior surfaces. Avoid applying excessive pressure.
- Do not spray cleaning solution directly onto the screen or into any openings.
- Avoid using harsh chemicals, abrasive pads, or solvents like alcohol or ammonia, as these can damage the display surface.

6.2 General Care

- Avoid placing heavy objects on the monitor or its cables.
- Do not block the ventilation openings on the monitor.
- Keep the monitor away from direct sunlight, heat sources, and excessive moisture.
- If the monitor will not be used for an extended period, unplug it from the power outlet.

7. TROUBLESHOOTING

If you encounter issues with your monitor, try the following troubleshooting steps:

Problem	Possible Solution
No image on screen	Ensure the power cable is securely connected. Check if the video cable (HDMI/DisplayPort) is properly connected to both the monitor and your computer. Select the correct input source via the OSD menu.
Image is blurry or distorted	Check the display resolution settings on your computer to ensure they match the monitor's native resolution (2560x1440). Adjust image settings (sharpness, contrast) in the OSD menu.
Screen flickering	Ensure your graphics card drivers are up to date. Try a different video cable. Disable ELMB Sync or Adaptive Sync temporarily to see if the issue persists. Check for external interference.
No audio from speakers/headphones	Check the volume settings on the monitor and your computer. Ensure the 3.5mm audio cable is correctly connected. Verify that the monitor is selected as the audio output device in your computer's sound settings.
Dead pixels or stuck pixels	While rare, a small number of dead or stuck pixels is within industry standards. If the issue is severe or worsens, refer to the warranty information.
Monitor not turning on	Verify the power cord is firmly connected to both the monitor and a working power outlet. Try a different power outlet.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The ASUS TUF Gaming VG27AQL3A monitor comes with a **3-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. Please refer to the Warranty Card included in your product package for detailed terms, conditions, and exclusions.

8.2 Technical Support

For further technical assistance, driver downloads, or service inquiries, please visit the official ASUS support website or contact their customer service. Have your monitor's serial number and purchase information ready when contacting support.

ASUS Support Website: www.asus.com/support/

ASUS Store: [Visit the ASUS Store on Amazon](#)