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ASUS VG27AQL5A

ASUS TUF Gaming VG27AQL5A 27-inch 1440P Gaming Monitor User Manual

Model: VG27AQL5A

1. INTRODUCTION

Welcome to the user manual for your ASUS TUF Gaming VG27AQL5A 27-inch QHD Gaming Monitor. This document provides essential information for setting up, operating, maintaining, and troubleshooting your monitor to ensure optimal performance and longevity. Please read this manual thoroughly before using the product.

Important Safety Information: Always handle the monitor with care. Disconnect the power cable before cleaning or moving the unit. Do not expose the monitor to rain or moisture. Refer to the troubleshooting section for common issues before contacting support.



Image 1.1: Front view of the ASUS TUF Gaming VG27AQL5A monitor.

2. WHAT'S IN THE BOX

Verify that all the following items are present in your product packaging:

- VG27AQL5A Gaming monitor
- DisplayPort cable
- L-shaped Screwdriver
- Power cord
- Quick start guide
- Warranty Card



Image 2.1: Contents of the ASUS TUF Gaming VG27AQL5A product box.

3. SETUP

3.1 Monitor Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck, securing it with the provided screw (use the L-shaped screwdriver).

3. Align the assembled stand with the mounting slot on the back of the monitor and push until it clicks into place. Ensure it is securely fastened.

3.2 Connecting Cables

Connect the necessary cables to the monitor's rear ports:

- **Power Cable:** Connect one end to the monitor's power input and the other to a power outlet.
- **Video Cable:** Connect either the DisplayPort cable or an HDMI cable from your computer's graphics card to the corresponding input on the monitor. For optimal performance (210Hz refresh rate), DisplayPort is recommended.
- **Audio (Optional):** If using external speakers or headphones, connect them to the Earphone Jack.

3.3 Powering On

Press the power button located on the monitor to turn it on. Ensure your computer is also powered on. The monitor should automatically detect the input signal. If not, you may need to manually select the input source using the On-Screen Display (OSD) menu.

The infographic is titled "Series 5 Upgrades" and features a central image of the ASUS TUF Gaming VG27AQL5A monitor. It is divided into several sections highlighting key features:

- UPGRADED SPEED:**
 - FAST IPS:** Represented by a stylized logo.
 - 0.3 ms Response time:** Highlighted in large text.
 - 210 Hz Refresh Rate:** Highlighted in large text, with "overclock to" written above it.
- UPGRADED FLUIDITY:**
 - AMD FreeSync Premium:** Represented by the AMD logo and text.
 - ELMB SYNC:** Represented by the text "ELMB SYNC".
- UPGRADED GAMING AI:**
 - GAMING AI:** Represented by the text "GAMING AI".
 - DYNAMIC CROSSHAIR:** Represented by a yellow arrow icon.
 - DYNAMIC SHADOW BOOST:** Represented by a yellow arrow icon.
 - AI VISUAL:** Represented by a yellow arrow icon.
- UPGRADED COLORS:**
 - 95% DCI-P3:** Represented by a color wheel icon and the text "95% DCI-P3".
- UPGRADED SIMPLICITY:**
 - DisplayPort:** Represented by a DisplayPort icon.
 - HDMI:** Represented by an HDMI icon.
 - DisplayWidget Center:** Represented by a monitor icon with a blue bar.
 - USER FRIENDLY:** Represented by the text "USER FRIENDLY".

Image 3.1: The ASUS TUF Gaming VG27AQL5A monitor assembled with its stand.

4. OPERATING THE MONITOR

4.1 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. It is typically controlled by a joystick or buttons located on the back or bottom of the monitor.

- **Navigation:** Use the joystick (if present) to move through menu options and press to select. If buttons are present, they will typically be for menu, up, down, left, right, and exit.
- **Input Selection:** Change the active video input source (DisplayPort, HDMI 1, HDMI 2).
- **Picture Settings:** Adjust brightness, contrast, color temperature, sharpness, and aspect ratio.
- **Color Settings:** Fine-tune color saturation, hue, and gamma.
- **Gaming Settings:** Access features like OverDrive, FreeSync Premium, ELMB Sync, and GamePlus options.

4.2 Basic Adjustments

For a comfortable viewing experience, you can adjust the following:

- **Brightness:** Adjust to suit your ambient lighting conditions.
- **Contrast:** Optimize the difference between light and dark areas of the image.
- **Volume:** Control the audio output if using the monitor's built-in speakers or the earphone jack.

5. DISPLAYWIDGET CENTER

The ASUS DisplayWidget Center is a software utility that provides an intuitive interface for adjusting monitor settings directly from your desktop. This eliminates the need to navigate the OSD menu using physical buttons.

- **Customizable Settings:** Easily adjust picture modes, color settings, and gaming features.
- **Firmware Update Notification:** Receive alerts for new firmware versions and update your monitor directly.
- **Multiscreen Control:** Manage settings for multiple ASUS monitors connected to your system.

Download the DisplayWidget Center software from the official ASUS support website for your monitor model.

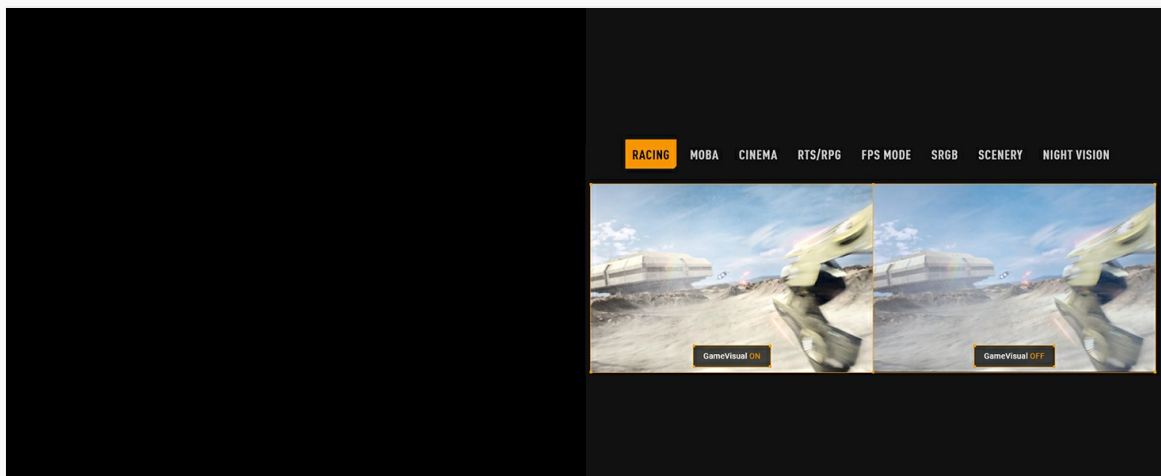


Image 5.1: The ASUS DisplayWidget Center software interface for monitor control.

6. GAMING FEATURES

The ASUS TUF Gaming VG27AQL5A monitor is designed with advanced features to enhance your gaming experience.

6.1 High Refresh Rate and Response Time

Experience ultra-smooth gameplay with a **210Hz (overclocked) refresh rate** and a rapid **0.3ms response time (GtG)**. This minimizes motion blur and ghosting, providing a clear visual advantage in fast-paced games.



Image 6.1: Overview of upgraded speed features for gaming performance.

6.2 Adaptive Sync Technologies

The monitor supports **AMD FreeSync Premium** and **VESA AdaptiveSync**, which synchronize the monitor's refresh rate with your GPU's frame rate. This eliminates screen tearing and stuttering for a fluid gaming experience. Additionally, **Extreme Low Motion Blur Sync (ELMB Sync)** can be enabled simultaneously with Adaptive Sync for even clearer motion.

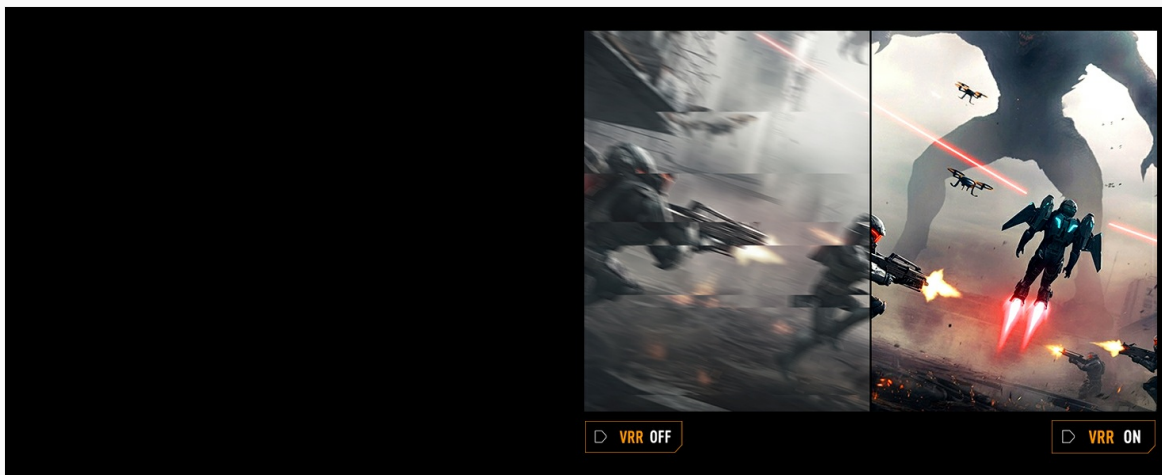


Image 6.2: Features for enhanced gaming fluidity, including FreeSync Premium and ELMB Sync.

6.3 Gaming AI Features

The monitor incorporates several AI-powered gaming enhancements:

- **Dynamic Crosshair:** Provides an on-screen crosshair for improved aiming accuracy.
- **Dynamic Shadow Boost:** Enhances dark areas of the game world without overexposing bright

areas, helping you spot hidden enemies.

- **AI Visual:** Optimizes visual settings based on the game genre for the best possible image quality.

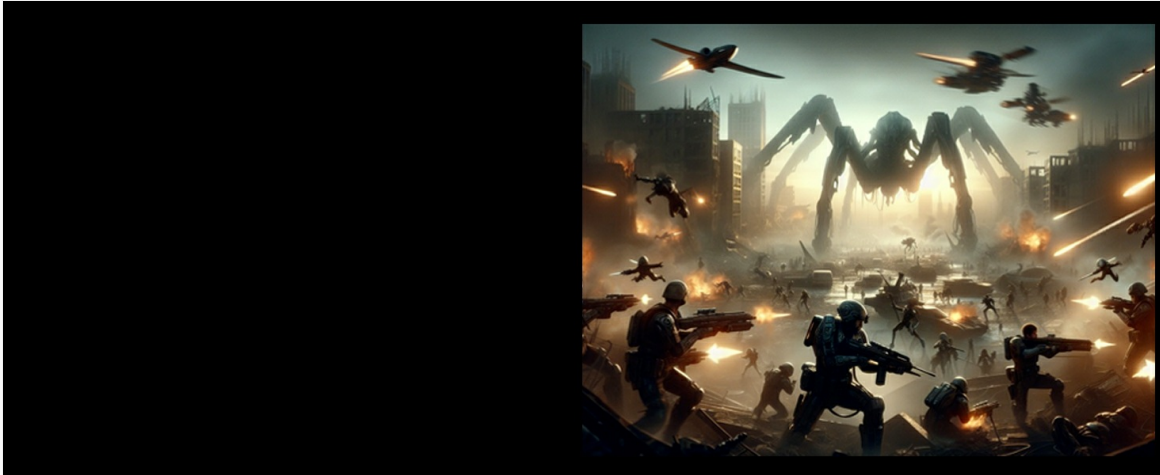


Image 6.3: Gaming AI features for smarter gameplay, including Dynamic Crosshair and Dynamic Shadow Boost.

7. CONNECTIVITY

The ASUS TUF Gaming VG27AQL5A offers extensive connectivity options to support various devices:

- **HDMI 2.0 (x2):** For connecting gaming consoles, Blu-ray players, or other HDMI-enabled devices.
- **DisplayPort (x1):** Recommended for PC gaming to achieve the highest refresh rates and resolutions.
- **Earphone Jack (x1):** For connecting headphones or external speakers.
- **Type-C (Service Port):** Used for monitor service and potentially firmware updates.

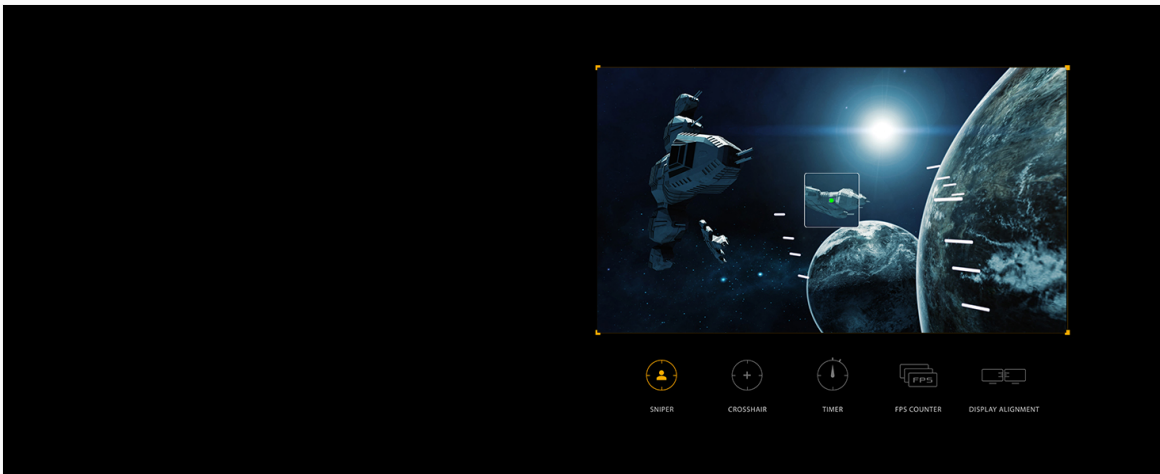


Image 7.1: Rear connectivity ports of the ASUS TUF Gaming VG27AQL5A monitor.

8. ERGONOMICS AND ADJUSTMENTS

The monitor stand provides versatile ergonomic adjustments to help you find the most comfortable viewing position:

- **Tilt:** Adjust the screen angle forward or backward.
- **Swivel:** Rotate the screen horizontally left or right.
- **Height Adjustment:** Raise or lower the screen to eye level.

- **Pivot:** Rotate the screen 90 degrees for portrait mode viewing.

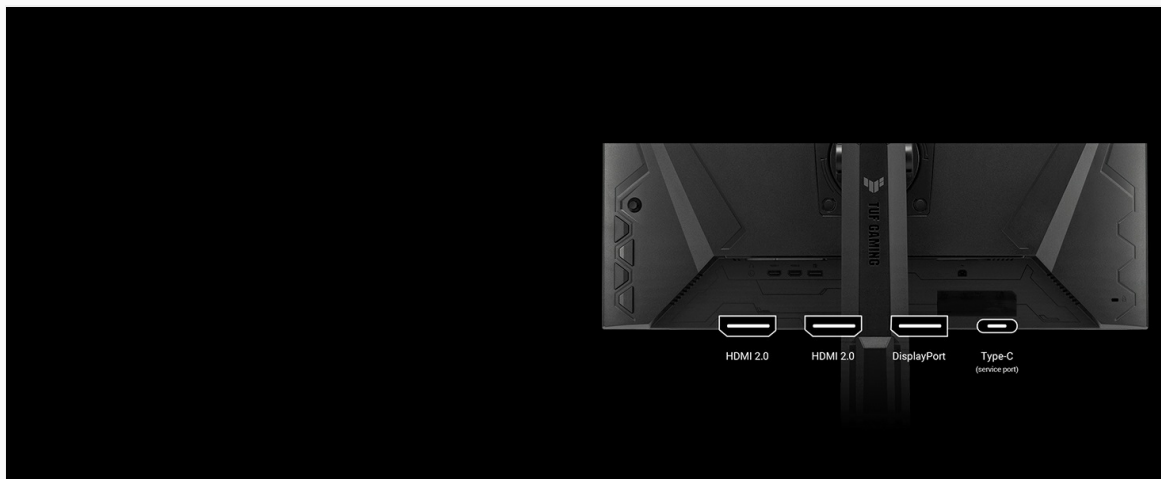


Image 8.1: Ergonomic adjustments available on the ASUS TUF Gaming VG27AQL5A monitor.

9. EYE CARE FEATURES

This monitor incorporates ASUS Eye Care technology to reduce eye strain during prolonged use.

9.1 Low Blue Light

The Low Blue Light feature reduces harmful blue light emissions, which can contribute to eye fatigue. You can adjust the blue light filter levels through the OSD menu or DisplayWidget Center.

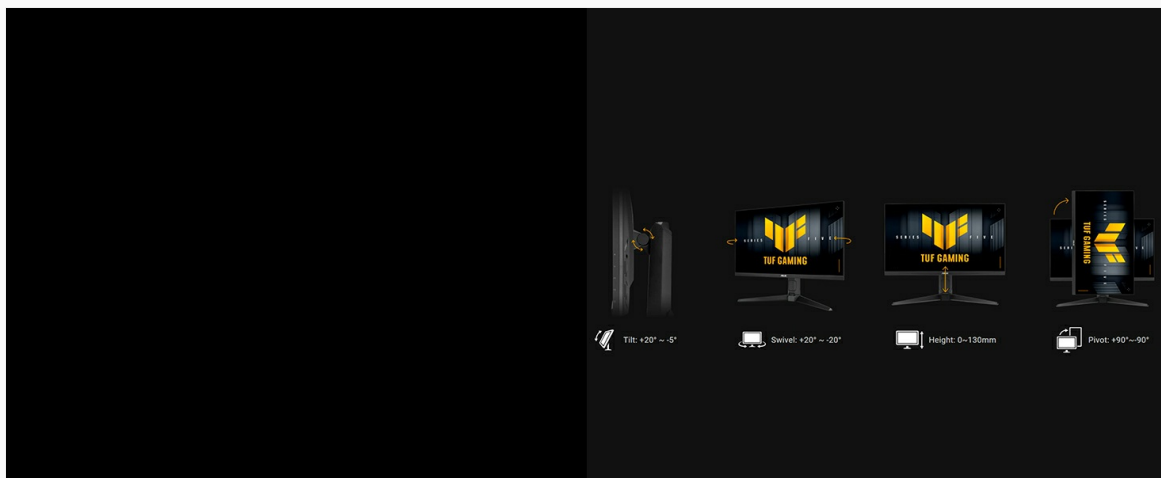


Image 9.1: Visual comparison of Low Blue Light technology in action. For more information, visit [Certipedia](#).

9.2 Flicker-Free Technology

Flicker-Free technology eliminates screen flickering, which can cause eye strain and headaches, especially during long viewing sessions. This feature is always active to provide a comfortable viewing experience.

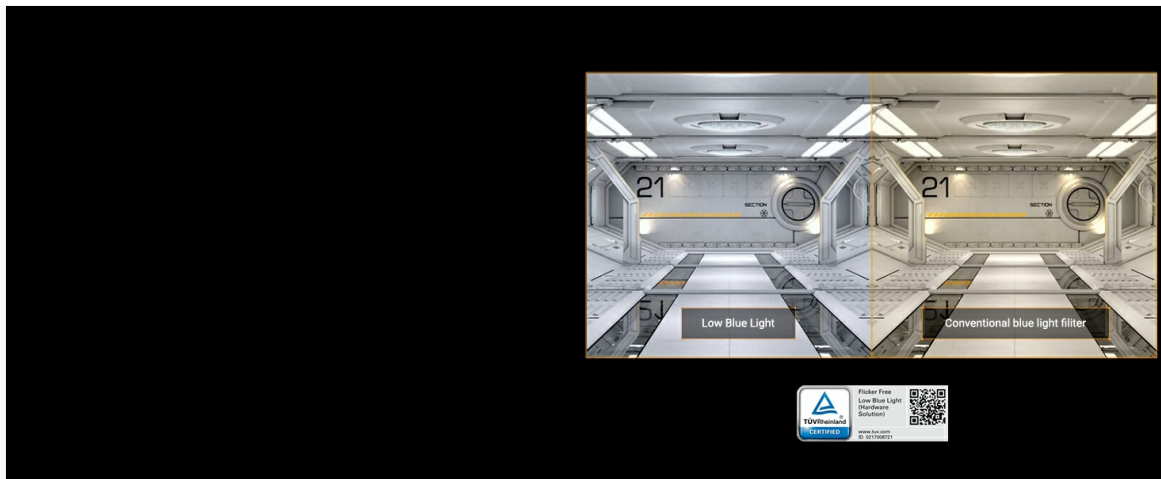


Image 9.2: Visual comparison of Flicker-Free technology. For more information, visit [Certipedia](#).

10. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your monitor.

10.1 Cleaning the Screen

Always turn off the monitor and unplug the power cord before cleaning. Use a soft, lint-free cloth lightly dampened with a non-abrasive, ammonia-free screen cleaner. Do not spray cleaner directly onto the screen.

10.2 Cleaning the Casing

Use a soft, dry cloth to wipe the monitor casing. Avoid using harsh chemicals or abrasive materials that could damage the surface.

10.3 General Care

- Avoid placing the monitor in direct sunlight or near heat sources.
- Ensure adequate ventilation around the monitor.
- Do not place heavy objects on the monitor or its cables.

11. TROUBLESHOOTING

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

Problem	Possible Solution
No power	Check if the power cable is securely connected to both the monitor and the power outlet. Ensure the power outlet is functional.
No signal / Blank screen	Verify that the video cable (DisplayPort or HDMI) is correctly connected to both the monitor and your computer. Ensure the correct input source is selected in the OSD menu. Check if your computer is powered on and outputting a signal.

Problem	Possible Solution
Image flickering or distortion	Check video cable connections. Try a different video cable. Ensure your graphics card drivers are up to date. Disable or enable Adaptive Sync/FreeSync in your GPU settings or monitor OSD to test.
Colors appear incorrect	Reset color settings to default in the OSD menu or DisplayWidget Center. Adjust color temperature and gamma settings.
No audio	Check the monitor's volume settings in the OSD. Ensure your audio output device (headphones/speakers) is correctly connected to the monitor's earphone jack. Verify audio output settings on your computer.

12. SPECIFICATIONS

Key technical specifications for the ASUS TUF Gaming VG27AQL5A monitor:

Feature	Specification
Standing screen display size	27 Inches
Screen Resolution	2560x1440 (QHD)
Max Screen Resolution	2560 x 1440 Pixels
Brand	ASUS
Series	VG27AQL5A
Item model number	VG27AQL5A
Item Weight	15.2 pounds
Product Dimensions	8.5 x 24.2 x 21 inches
Color	BLACK
Voltage	240 Volts
Manufacturer	ASUS
Date First Available	July 21, 2025
Aspect Ratio	16:9
Screen Surface Description	Matte

13. WARRANTY AND SUPPORT

Your ASUS TUF Gaming VG27AQL5A monitor comes with a 3-year limited warranty. Please refer to

the included Warranty Card for detailed terms and conditions, including coverage and service procedures.

For technical support, driver downloads, or further assistance, please visit the official ASUS support website and navigate to the support page for your specific monitor model (VG27AQL5A).

ASUS Support Website: <https://www.asus.com/support/>