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› [ASUS](#) /

› ASUS TUF Gaming 27" 2K HDR Monitor (VG27AQ1A) - User Manual

ASUS VG27AQ1A

ASUS TUF Gaming 27" 2K HDR Monitor (VG27AQ1A) User Manual

Model: VG27AQ1A

1. INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, and maintenance of your ASUS TUF Gaming VG27AQ1A monitor. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The ASUS TUF Gaming VG27AQ1A is a 27-inch WQHD (2560 x 1440) IPS display designed for immersive gaming and professional use, featuring an ultrafast 170Hz refresh rate, 1ms response time with ASUS Extreme Low Motion Blur (ELMB) technology, and G-SYNC compatibility for fluid, tear-free visuals.

2. WHAT'S IN THE BOX

Upon unboxing your ASUS TUF Gaming VG27AQ1A monitor, please verify that all the following components are included:

- ASUS TUF Gaming VG27AQ1A Monitor
- DisplayPort cable
- Power adapter
- Power cord
- Quick start guide
- Warranty Card

Robust Connectivity



Image: Contents of the ASUS TUF Gaming VG27AQ1A monitor box, including the monitor, cables, and documentation.

3. SETUP GUIDE

3.1 Assembling the Stand

Carefully remove the monitor and its components from the packaging. Attach the stand base to the stand neck, then

secure the assembled stand to the back of the monitor. Ensure all screws are tightened appropriately.

3.2 Connecting the Monitor

The VG27AQ1A monitor offers multiple connectivity options. Identify the appropriate ports on the back of the monitor and your computer.

Ergonomically designed and wall-mountable



Image: Rear view of the monitor displaying available connectivity ports.

1. **Power Connection:** Connect the power adapter to the monitor's power input, then plug the power cord into a wall outlet.
2. **Video Input:**
 - For optimal performance, use the **DisplayPort (v1.2)** connection to achieve the full 170Hz refresh rate and G-SYNC compatibility.
 - Alternatively, use one of the two **HDMI (v2.0)** ports. Note that HDMI 2.0 may limit the maximum refresh rate at WQHD resolution.
3. **Audio Output:** Connect headphones or external speakers to the **Earphone Jack** for audio output.

3.3 Ergonomic Adjustments

The monitor stand allows for tilt and swivel adjustments to optimize your viewing experience.

- **Tilt:** Adjust the screen vertically from +20° to -5°.
- **Swivel:** Rotate the screen horizontally from +20° to -20°.

NVIDIA G-Sync Compatible



Image: Ergonomic adjustments for tilt and swivel.

The monitor is also VESA mountable (100x100mm) for alternative mounting solutions.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press the power button located on the back of the monitor to turn it on or off.

4.2 On-Screen Display (OSD) Menu

The OSD menu allows you to configure various monitor settings. Navigate the menu using the joystick and buttons located on the back right side of the monitor.

Key OSD Settings:

- **GameVisual:** Select from various display modes optimized for different content types (e.g., Scenery, Racing, Cinema, RTS/RPG, FPS, sRGB, MOBA, User Mode).
- **GamePlus:** Access in-game enhancements like Crosshair, Timer, FPS Counter, and Display Alignment.
- **Color:** Adjust Brightness, Contrast, Saturation, Color Temp., and Skin Tone.
- **Image:** Configure Sharpness, Trace Free, Aspect Ratio Control, ASCR, and FreeSync/Adaptive-Sync settings.
- **Input Select:** Manually switch between DisplayPort and HDMI inputs.
- **System Setup:** General settings including OSD Setup, Language, Key Lock, Power Indicator, and All Reset.

4.3 G-SYNC Compatibility

The ASUS TUF Gaming VG27AQ1A is G-SYNC Compatible, providing a seamless, tear-free gaming experience by enabling Variable Refresh Rate (VRR) by default when connected to compatible NVIDIA GeForce graphics cards (GTX 10 series, GTX 16 series, RTX 20 series, and newer). Ensure G-SYNC is enabled in your NVIDIA Control Panel settings.

Incredible 170Hz Refresh Rate



Image: Visual demonstration of G-SYNC compatibility reducing screen tearing.

4.4 Extreme Low Motion Blur (ELMB)

ASUS ELMB technology reduces motion blur and ghosting, providing sharp gaming visuals. This feature works by enabling a backlight strobing effect, which can be activated through the OSD menu.

4.5 Eye Care Technology

The monitor incorporates ASUS Eye Care technology, featuring TÜV Rheinland-certified Flicker-free and Low Blue Light technologies. These features are designed to reduce eye fatigue during extended viewing periods. Adjust Low Blue Light levels via the OSD menu.

5. MAINTENANCE AND CARE

5.1 Cleaning the Monitor

- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using benzene, thinner, ammonia, or abrasive cleaners, as these can damage the monitor's surface.

5.2 Storage

When storing the monitor for an extended period, place it in its original packaging in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

Problem	Possible Solution
No image on screen	Ensure the power cord is securely connected to the monitor and a power outlet. Verify the video cable (DisplayPort or HDMI) is firmly connected to both the monitor and your computer. Press the OSD menu button and select the correct input source. Check if your computer is in sleep mode or turned off.
Image is blurry or distorted	Adjust the resolution settings on your computer to match the monitor's native resolution (2560 x 1440). Check the video cable for damage or loose connections. Perform an OSD menu reset to factory defaults.
No audio	Ensure external speakers or headphones are properly connected to the Earphone Jack. Check the volume settings on the monitor's OSD menu and your computer. Verify that the audio output device is correctly selected in your computer's sound settings.
Screen flickering or tearing during gaming	Ensure G-SYNC is enabled in your NVIDIA Control Panel and the monitor's OSD. Use a high-quality DisplayPort cable. Update your graphics card drivers.

7. SPECIFICATIONS

Feature	Detail
Screen Size	27 Inches
Panel Type	IPS
Resolution	WQHD (2560 x 1440)
Refresh Rate	170Hz (Supports 144Hz)
Response Time	1ms MPRT (Extreme Low Motion Blur)
Adaptive Sync Technology	G-SYNC Compatible
HDR Support	HDR10
Connectivity	2 x HDMI (v2.0), 1 x DisplayPort (v1.2), Earphone Jack
Speakers	Yes (Built-in)
VESA Mount Compatible	100 x 100mm
Ergonomics	Tilt (+20° ~ -5°), Swivel (+20° ~ -20°)
Eye Care Features	Flicker-Free, Low Blue Light
Dimensions (WxHxD)	17.91 x 24.21 x 8.43 inches (with stand)
Weight	11.9 pounds (with stand)

Energy Efficiency Information

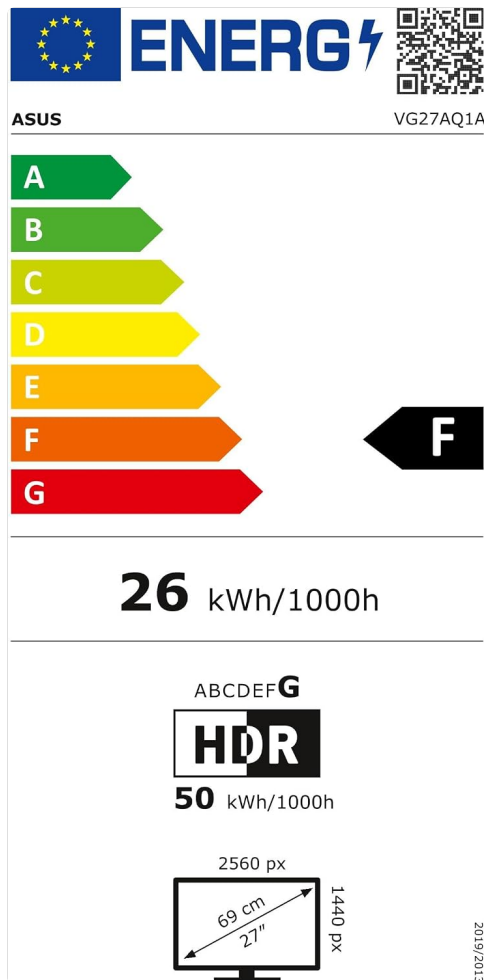


Image: EU Energy Label for VG27AQ1A monitor.

For detailed product information, refer to the [EPREL database \(ID 388124\)](#).

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The ASUS TUF Gaming VG27AQ1A monitor typically comes with a three-year warranty across all series. Please refer to the included Warranty Card for specific terms and conditions applicable to your region.



Image: Three-Year Warranty icon.

8.2 Customer Support

For technical support, service, or further inquiries, please visit the official ASUS support website or contact their customer service. The official user manual (PDF) can also be downloaded from the ASUS support site or via the link provided in your product documentation.

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

User Manual (PDF): [Download User Manual](#)

