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› ASUS TUF Gaming 27" 4K HDR Monitor (VG27UQ1A) User Manual

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Model: VG27UQ1A

Brand: ASUS

The 27-inch TUF Gaming VG27UQ1A 4K UHD gaming monitor features a Fast IPS panel and NVIDIA® G-SYNC® Compatible for blistering-fast 160 Hz gaming. Its clever combination of Display Stream Compression (DSC), ASUS Extreme Low Motion Blur Sync (ELMB Sync) and AMD FreeSync™ Premium technologies enables buttery-smooth gaming on PCs. Console gamers can get their fix, too, as it supports up to 4K 120 Hz visuals via HDMI® 2.1 without chroma subsampling. In addition, it has a 95% DCI-P3 gamut to offer exceptional colors and contrast.

1. SETUP GUIDE

This section provides instructions for setting up your ASUS TUF Gaming monitor.

1.1 Unboxing and Package Contents

Carefully remove all components from the packaging. Ensure all items listed below are present.



Figure 1: Package Contents. The box includes the VG27UQ1A monitor, a DisplayPort cable, an L-shaped screwdriver, a power cord, a quick start guide, and a warranty card.

- VG27UQ1A Gaming Monitor
- DisplayPort Cable
- L-shaped Screwdriver
- Power Cord
- Quick Start Guide
- Warranty Card

1.2 Physical Assembly and Ergonomics

Assemble the monitor stand and attach it to the display panel. The monitor is designed for ergonomic adjustments to enhance your viewing experience.

Ergonomically designed and wall-mountable



Tilt
 $+20^{\circ} \sim -5^{\circ}$

Figure 2: Ergonomic Tilt Adjustment. The monitor allows for tilt adjustments from $+20^{\circ}$ to -5° for optimal viewing angles.

The monitor also supports VESA wall-mount compatibility for alternative mounting solutions (mounting hardware sold separately).

1.3 Connecting Your Devices

Connect your PC or console to the monitor using the appropriate cables. Ensure secure connections for optimal performance.

Robust Connectivity



Figure 3: Robust Connectivity. The monitor features an Earphone Jack, DisplayPort, and two HDMI 2.1 ports for versatile connections.

- **DisplayPort:** For PC connections, supporting up to 4K@160Hz.
- **HDMI (v2.1):** Two ports available for PC or console connections, supporting up to 4K@120Hz on latest consoles.
- **Earphone Jack:** For audio output to headphones or external speakers.

2. OPERATING INSTRUCTIONS

Learn how to operate your ASUS TUF Gaming monitor and utilize its advanced features.

2.1 Power On/Off and OSD Navigation

Locate the power button and OSD (On-Screen Display) joystick/buttons, typically found on the rear or bottom-right of the monitor. Use these controls to power the monitor on/off and navigate through the settings menu.

2.2 Gaming Performance Features

The VG27UQ1A is engineered for superior gaming performance.

Incredible 160Hz Refresh Rate and 1ms GTG



Figure 4: High Refresh Rate and Fast Response Time. Experience incredibly smooth visuals with a 160Hz refresh rate and a rapid 1ms Gray-to-Gray (GTG) response time.

- **160Hz Refresh Rate:** Provides fluid motion and reduced input lag for competitive gaming.
- **1ms GTG Response Time:** Minimizes ghosting and motion blur, ensuring sharp images during fast-paced action.
- **NVIDIA G-SYNC Compatible & AMD FreeSync Premium:** These adaptive sync technologies synchronize the monitor's refresh rate with your GPU's frame rate, eliminating screen tearing and stuttering for a seamless gaming experience.

Adaptive Sync technology for extremely fluid gameplay



AMD
FreeSync
Premium

nVIDIA
G-SYNC

Figure 5: Adaptive Sync Technology. This image illustrates the benefit of Adaptive-Sync, showing smooth, tear-free visuals when enabled compared to the tearing visible when disabled.

- **ASUS Extreme Low Motion Blur Sync (ELMB Sync):** Enables ELMB and variable-refresh-rate technologies to work simultaneously, further reducing ghosting and tearing for sharp gaming visuals.
- **High Dynamic Range (HDR):** Supports HDR content, providing enhanced contrast and a wider color gamut for more vibrant and realistic visuals.

2.3 Console Gaming Optimization

The VG27UQ1A is optimized for next-generation console gaming.

Next-gen PC & Console Gaming

4K@160Hz refresh rate on PCs

4K@120Hz refresh rate on latest consoles



Figure 6: Next-gen PC & Console Gaming. The monitor supports 4K@160Hz refresh rate on PCs and 4K@120Hz refresh rate on the latest consoles via HDMI 2.1.

2.4 ASUS DisplayWidget

Utilize the ASUS DisplayWidget software for intuitive adjustments to monitor settings, including GameVisual, Shadow Boost, and more, directly from your desktop.

3. MAINTENANCE

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

- **Cleaning the Screen:** Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner. Avoid harsh chemicals or abrasive materials.
- **General Care:** Keep the monitor in a cool, dry environment. Avoid exposing it to direct sunlight or extreme temperatures. Do not block ventilation openings.

3.1 Eye Care Features

The ASUS TUF Gaming monitor incorporates Eye Care features to reduce eye strain during prolonged use.

Your browser does not support the video tag.

Video 1: ASUS Eyecare with Disclaimer. This official video from ASUS Computer International Direct highlights the monitor's eye care technologies, including Blue Light Filter and Flicker-Free technology, designed to reduce eye strain during extended viewing.

- **Blue Light Filter:** Reduces harmful blue light emissions to prevent eye fatigue.
- **Flicker-Free Technology:** Eliminates screen flickering, providing a more comfortable viewing experience.

4. TROUBLESHOOTING

This section addresses common issues you might encounter with your monitor.

4.1 Common Issues and Solutions

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected, input source incorrect, or video cable loose.	Ensure power cable is securely connected. Check input source selection (DisplayPort/HDMI). Reconnect video cable firmly.
Image flickering	Incorrect refresh rate setting or interference.	Adjust refresh rate in your device's display settings. Ensure no strong electromagnetic interference sources are nearby.
No audio	Audio cable disconnected or volume too low.	Check earphone jack connection. Increase monitor volume via OSD. Ensure audio output is set to the monitor on your device.

For more complex issues, please refer to the comprehensive troubleshooting guide in the full user manual or contact ASUS customer support.

5. SPECIFICATIONS

Detailed technical specifications for the ASUS TUF Gaming VG27UQ1A monitor.

Product Dimension



Figure 7: Product Dimensions. Detailed measurements of the monitor for placement and compatibility.

Feature	Detail
Screen Size	27 Inches
Resolution	3840x2160 (4K UHD)
Max Refresh Rate	160Hz
Response Time	1ms (GTG)
Panel Type	Fast IPS
HDR Support	Yes (95% DCI-P3)
Adaptive Sync	NVIDIA G-SYNC Compatible, AMD FreeSync Premium
Connectivity	DisplayPort, 2x HDMI 2.1, Earphone Jack
Dimensions (LxWxH)	8.4 x 24.2 x 17.9 inches (21.38 x 61.48 x 45.49 cm)
Item Weight	10.6 pounds (4.81 kg)

6. WARRANTY AND SUPPORT

Information regarding your product's warranty and how to obtain support.

6.1 Product Warranty

The ASUS TUF Gaming VG27UQ1A monitor comes with a **3-year warranty**. Please refer to the Warranty Card included in your package for detailed terms and conditions.

6.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please visit the official ASUS support website or contact their customer service hotline. Keep your product's serial number and proof of purchase readily available.

6.3 Adobe Creative Cloud Offer

This product includes a complimentary 3-month access to Adobe Creative Cloud. This offer is valid from 9/1/2023 to 8/31/2025. Please follow the instructions provided with your monitor to redeem this offer.