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## MSI G2412V

# MSI G2412V Gaming Monitor User Manual

Model: G2412V

## 1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your MSI G2412V 24-inch Full HD Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The MSI G2412V monitor is designed for an immersive gaming experience, featuring a 24-inch Full HD (1920x1080) IPS display with a 100 Hz refresh rate and 1ms response time. Key features include Less Blue Light, Anti-Flicker, and FreeSync technology for enhanced visual comfort and smooth gameplay. This bundle includes two G2412V monitors and a versatile desk mount dual monitor stand, allowing for an optimized and space-saving workstation setup.




Figure 1.1: Front-side view of the MSI G2412V gaming monitor, showcasing its frameless design.

## 2. Product Features

- **Gaming Display:** Boasting a generous 24-inch screen and a Full HD resolution, the MSI Gaming monitor offers a visually stunning gaming experience. This combination of size and resolution ensures that you not only enjoy immersive gameplay but also crisp, detailed visuals for a truly exceptional viewing experience.

- **Enhanced Visuals:** Experience hardware-based visual enhancements with Adaptive-Sync technology compatible with both 1ms G-Sync and FreeSync, ensuring a tear-free and stutter-free viewing experience.
- **Swift Response Times:** Say goodbye to screen tearing and choppy frame rates as the MSI Gaming series 1ms response time ensures ultra-fast and precise movements, perfect for fast-paced games like first-person shooters, racing sims, and more.
- **Eye Care Technology:** The Anti-Flicker, Less Blue Light, and Anti-Glare Display technologies make this monitor suitable for long hours of use in business, education, and medical fields while protecting your eyes from strain and fatigue.
- **Functional Bundle:** With the inclusion of the fully adjustable desk mount for your monitor, you have everything you need for a versatile and productive setup. Enjoy the benefits of an immersive viewing experience, streamlined workflow, and the added convenience of adjustable mounts.

## 3. Package Contents

Please verify that all items listed below are present in your package. If any items are missing or damaged, please contact your retailer.

- MSI G2412V 24-inch Gaming Monitor (x2)
- Monitor Power Cable (x2)
- HDMI Cable (x2)
- DisplayPort Cable (x2)
- Dual Monitor Desk Mount Stand (includes pole, clamp, and adjustable arms)
- Mounting Hardware (screws, washers, cable clips, etc.)
- User Manual (this document)
- Quick Start Guide



Figure 3.1: Components of the dual monitor desk mount stand, including the main pole, desk clamp, and adjustable arms.

## 4. Setup Instructions

### 4.1. Installing the Dual Monitor Desk Mount

The included desk mount allows for a flexible and space-saving setup. Follow these steps for installation:

1. **Attach the Clamp:** Secure the desk clamp to the edge of your desk. Ensure it is tightened firmly to prevent wobbling. Alternatively, if your desk has a grommet hole, use the grommet mount option provided with the stand.
2. **Assemble the Pole and Arms:** Attach the main vertical pole to the clamp. Then, slide the adjustable monitor arms onto the pole and secure them at your desired height using the provided tools.
3. **Mount the Monitors:** Attach the VESA plates from the arms to the back of each MSI G2412V monitor. Carefully lift

and slide the monitors onto the arms, securing them in place with the locking mechanism.

4. **Adjust Position:** Adjust the height, tilt, swivel, and rotation of each monitor for optimal viewing comfort. Use the cable management clips on the arms and pole to route cables neatly.




Figure 4.1: Two MSI G2412V monitors displayed on the included dual desk mount stand, showcasing a multi-monitor setup.

### 4.2. Connecting Cables

Connect the necessary cables to your monitor and computer:

1. **Power Cable:** Connect one end of the power cable to the monitor's power input and the other end to a power outlet.
2. **Video Cable:** Connect either an HDMI or DisplayPort cable from your computer's graphics card to the corresponding input on the monitor. For optimal performance, DisplayPort is recommended to achieve the full 100Hz refresh rate.
3. **Audio (Optional):** If your monitor has an audio output jack, you can connect external speakers or headphones.



Figure 4.2: Detailed view of the input ports on the MSI G2412V monitor, including power, DisplayPort, and HDMI connections.

## 5. Operating Instructions

### 5.1. Powering On/Off

Locate the power button on the monitor, typically on the back or bottom right side. Press it to turn the monitor on or off. The power indicator light will illuminate when the monitor is on.





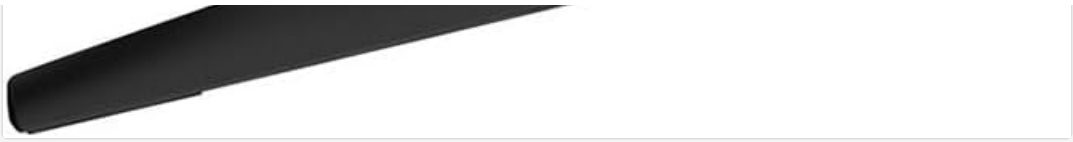


Figure 5.1: Side profile of the MSI G2412V monitor, highlighting the location of the power button on the lower right side.

### 5.2. On-Screen Display (OSD) Menu Navigation

The monitor features a 5-way OSD navigation joystick, usually located on the back of the monitor. Use this joystick to access and navigate the OSD menu.

- Press the joystick to open the OSD menu.
- Move the joystick Up/Down to navigate through menu options.
- Move the joystick Left/Right to adjust settings or enter sub-menus.
- Press the joystick again to confirm a selection or exit a sub-menu.

### 5.3. Display Settings

Within the OSD menu, you can adjust various display settings:

- **Brightness/Contrast:** Adjust the overall luminance and contrast of the display.
- **Color Settings:** Modify color temperature, gamma, and color saturation.
- **Input Source:** Manually select between HDMI and DisplayPort inputs.
- **Gaming Mode:** Select pre-set gaming modes (e.g., FPS, RTS) for optimized visuals.
- **FreeSync:** Enable or disable AMD FreeSync technology for tear-free gaming (requires compatible AMD graphics card).
- **Less Blue Light:** Activate this feature to reduce blue light emission, which can help reduce eye strain during prolonged use.
- **Anti-Flicker:** This technology reduces screen flickering, further enhancing eye comfort.

## 6. Maintenance

### 6.1. Cleaning the Monitor

- Always turn off the monitor and unplug the power cord 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-based cleaners, or abrasive materials, as these can damage the screen surface.

### 6.2. General Care

- Avoid placing the monitor in direct sunlight or near heat sources.
- Do not block the ventilation openings on the monitor.
- Do not place heavy objects on the monitor or its cables.
- Handle the monitor with care to prevent physical damage.

## 7. Troubleshooting

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

| Problem | Possible Cause | Solution |
|---|---|---|
| No image on screen | Monitor not powered on; video cable loose or disconnected; incorrect input source selected. | Ensure power cable is connected and monitor is on. Check video cable connections. Select correct input source via OSD menu. |
| Image flickering or unstable | Video cable issue; refresh rate mismatch; FreeSync setting. | Try a different video cable. Ensure refresh rate is set correctly in PC display settings. Check FreeSync setting in OSD. |
| Colors appear incorrect | Color settings in OSD; graphics card settings. | Adjust color settings in OSD menu. Check graphics card control panel settings. |
| No sound (if using monitor speakers/audio out) | Volume too low; audio cable disconnected; incorrect audio output selected on PC. | Increase monitor volume. Check audio cable connection. Select monitor as default audio output in PC sound settings. |

## 8. Specifications

| Feature | Detail |
|---|---|
| Model Number | G2412V |
| Screen Size | 24 Inches |
| Resolution | FHD 1080p (1920 x 1080) |
| Refresh Rate | 100 Hz |
| Response Time | 1ms |
| Panel Type | IPS LED Backlit |
| Aspect Ratio | 16:9 |
| Brightness | 250 Nit |
| Color Support | 16.7 Million Colors |
| Features | Less Blue Light, Anti-Flicker, FreeSync, Anti-Glare, Wide Color Gamut, 5-way OSD navigation joystick |
| Connectivity | HDMI, DisplayPort |
| Product Dimensions | 9 x 20 x 22 inches |
| Item Weight | 26 pounds |
| Manufacturer | MSI |
| Date First Available | February 15, 2024 |




Figure 8.1: Dimensions of the MSI G2412V monitor, showing height, width, and depth measurements.

## 9. Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or visit the official MSI website. You can also contact MSI customer service for assistance with product registration, troubleshooting, and service requests.

**MSI Official Website:** www.msi.com

Please have your product model number (G2412V) and serial number ready when contacting support.

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