

Gawfolk GF270J

Gawfolk 27-inch 4K 160Hz IPS Gaming Monitor User Manual

Model: GF270J

1. INTRODUCTION

The Gawfolk 27-inch 4K 160Hz IPS Gaming Monitor (Model GF270J) is designed to provide an exceptional visual experience for gaming, professional work, and multimedia consumption. Featuring a stunning 4K UHD resolution, a high refresh rate, and an IPS panel, this monitor delivers vibrant colors and smooth performance. This manual provides essential information for setting up, operating, and maintaining your monitor.

2. PACKAGE CONTENTS

Please check the package contents carefully. If any items are missing or damaged, contact customer support.

- Gawfolk 27-inch Monitor
- Monitor Stand (Base and Support)
- DP Cable
- Power Adapter and Screws
- User Manual

3. SETUP INSTRUCTIONS

3.1. Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand support to the monitor panel using the provided screws.
3. Connect the stand base to the support, securing it with the designated screw.

3.2. Connecting Cables

Connect the necessary cables to the monitor and your computer or other devices.

- **Power Cable:** Connect the power adapter to the monitor's DC input port, then plug the adapter into a power outlet.
- **DisplayPort (DP) Cable:** For optimal performance (up to 4K @ 160Hz), connect the included DP cable from your computer's graphics card to one of the monitor's DP 1.4 ports.
- **HDMI Cable:** Alternatively, connect an HDMI cable from your device to one of the monitor's HDMI 2.1 ports (supports up to 4K @ 160Hz).
- **Audio Out:** Connect external speakers or headphones to the Audio Out port if desired.



This image provides a clear overview of the monitor's physical dimensions and its comprehensive set of input/output ports. It shows the location of the DC power input, two HDMI 2.1 ports, two DisplayPort 1.4 ports, and an Audio Out jack, facilitating various connectivity options.

3.3. VESA Wall Mounting

The monitor supports VESA 75mm x 75mm mounting for alternative installation options, such as wall mounts or monitor arms. Ensure the VESA mount is compatible and can support the monitor's weight.

Effortless Tilt & Wall-Mount Versatility

Effortlessly tilt to your ideal viewing angle. VESA wall-mount design frees desk space, crafting a sleek, efficient gaming/work setup.

Tilt
-7°~ 17° (±4°)



Easy
installation



Tilt -7°~ 17° (±4°)

Cable
Organizer

This image demonstrates the monitor's ergonomic flexibility, featuring tilt adjustment from -7° to 17° for optimal viewing comfort. It also highlights VESA wall-mount compatibility (75x75mm) for space-saving setups and includes a built-in cable organizer for a tidy workspace.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

Press the power button, usually located on the back or bottom of the monitor, to turn the monitor on or off.

4.2. Input Source Selection

Use the monitor's On-Screen Display (OSD) menu or dedicated input button to select the desired input source (e.g., HDMI 1, HDMI 2, DP 1, DP 2).

4.3. OSD Menu Navigation

The OSD menu allows you to adjust various display settings. Navigate the menu using the buttons on the monitor. Common settings include brightness, contrast, color temperature, and gaming modes.

4.4. Tilt Adjustment

The monitor stand allows for tilt adjustment from -7° to 17°. Gently adjust the monitor panel to your preferred viewing angle.

5. KEY FEATURES

5.1. 4K UHD Resolution

Experience stunning clarity with a 3840 x 2160 pixel resolution on a 27-inch display, offering four times the detail of Full HD.



This image illustrates the difference between Full HD (1920x1080) and 4K Ultra HD (3840x2160) resolutions. The 4K display on the right shows a much sharper and more detailed image of a racing game scene compared to the Full HD display on the left.

5.2. 160Hz Refresh Rate & 1ms Response Time

Enjoy fluid motion and reduced input lag with a high 160Hz refresh rate and a rapid 1ms response time, crucial for fast-paced gaming.

160Hz Refresh Rate

Enjoy smooth and immersive experience and lower input lag with a rapid refresh rate at 160hz



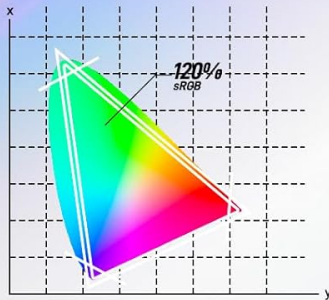
This image shows the monitor displaying a dynamic motorcycle racing game, highlighting its 160Hz refresh rate. This high refresh rate ensures smooth motion and reduced input lag for an immersive gaming experience.

5.3. IPS Panel & Color Performance

The IPS (In-Plane Switching) panel ensures consistent color accuracy and sharp image quality across wide 178° viewing angles. With 85% NTSC color gamut, 1.07 billion colors (8-bit + Hi-FRC), 300 nits brightness, and a 1000:1 contrast ratio, visuals are vibrant and lifelike.

Explore Images in Brilliant Colors

Delivers a wider field of view, enhances depth perception, and minimizes peripheral distractions to immerse you deeper in your content.



IPS

 8bit+ Hi-FRC	 85% Color gamut
 300cd/m² Brightness	 1000:1 Contrast



This image showcases the monitor's IPS panel technology, which provides consistent and accurate colors across wide viewing angles. Accompanying icons detail its color capabilities (8-bit + Hi-FRC, 85% NTSC color gamut), brightness (300 cd/m²), and contrast ratio (1000:1), all contributing to vivid and clear visuals.

5.4. Adaptive Sync (FreeSync)

Supported FreeSync technology helps eliminate screen tearing and stuttering, providing a smoother gaming experience.

5.5. Eye Care Features

The monitor incorporates flicker-free technology to reduce eye strain during extended use.

5.6. Gaming Enhancements

Integrated customizable reticle overlays assist with precise aiming in games.

6. MAINTENANCE

6.1. Cleaning the Screen

Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a

specialized screen cleaner. Avoid using harsh chemicals, alcohol, or abrasive materials.

6.2. Cleaning the Casing

Use a soft, dry cloth to clean the monitor's casing. Do not spray cleaning liquids directly onto the monitor.

7. TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following troubleshooting tips:

- **No Power:** Ensure the power adapter is securely connected to both the monitor and a working power outlet.
- **No Signal:** Verify that the display cable (DP or HDMI) is firmly connected to both the monitor and your computer. Select the correct input source via the OSD menu.
- **Incorrect Resolution/Refresh Rate:** Ensure your graphics card drivers are up to date. Check your computer's display settings to set the resolution to 3840x2160 and the refresh rate to 160Hz.
- **Optimal Performance Requirements:** To achieve 4K @ 160Hz, your PC must be equipped with a dedicated GPU. It is recommended to use a GPU equivalent to or above an NVIDIA GTX 1650. Ensure you are using HDMI 2.1 or DisplayPort 1.4 cables.

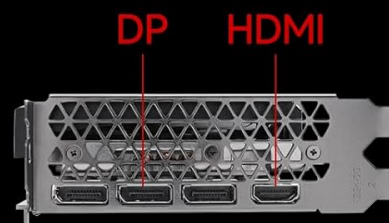


Ensure your device supports 4K (3840x2160) resolution and matches the monitor's refresh rate specifications (120Hz/144Hz/165Hz/180Hz). To achieve 4K or higher resolutions, your PC must be equipped with a dedicated GPU. We recommend using HDMI 2.0 or later and DP 1.4 or later ports, as lower versions may limit performance (e.g., HDMI 1.4 supports only 4K@30Hz, while DP 1.2 enables 4K@60Hz with Display Stream Compression on compatible GPUs).

It is recommended to use a GPU of GTX 1650 or above (old models cannot match the corresponding parameters)



GPU like this can support



Using a DP cable connection to achieve the highest parameters of the monitor

This image provides crucial information regarding system requirements, recommending a graphics processing unit (GPU) equivalent to or better than an NVIDIA GTX 1650 to fully utilize the monitor's 4K resolution and high refresh rate capabilities. It also highlights the importance of using DP or HDMI ports for optimal performance.

8. SPECIFICATIONS

Feature	Specification
Brand	Gawfolk
Model Number	GF270J
Screen Size	27 Inches
Resolution	3840 x 2160 Pixels (4K UHD)
Refresh Rate	160 Hz
Response Time	1 Millisecond (MPRT)
Display Technology	IPS
Display Type	LED
Aspect Ratio	16:9
Screen Finish	Matte
Brightness	300 cd/m ²
Contrast Ratio	1000:1
Viewing Angle	178 Degrees
Color Gamut Value	85% NTSC
Connectivity Technology	DisplayPort, HDMI
Hardware Connectivity	2x HDMI 2.1, 2x DisplayPort 1.4, 1x Audio Out
Adaptive Sync	FreeSync
Special Features	Tilt Adjustment, Frameless, Flicker-Free, Eye Care, Adaptive Sync
VESA Mount Type	75 x 75 mm (Wall Mount)
Compatible Devices	Gaming Console, Computer, Laptop
Item Dimensions (D x W x H)	20 x 61.4 x 46.3 Centimeters
Item Weight	5.1 Kilograms
Color	White

9. WARRANTY AND SUPPORT

9.1. Warranty Information

Gawfolk provides a 12-month worry-free warranty for this monitor. This warranty covers manufacturing defects and malfunctions under normal use.

9.2. Customer Support

If you encounter any issues such as damage, malfunction, or missing accessories, please contact Gawfolk customer service for assistance. Refer to the contact information provided with your purchase or on the official Gawfolk website.