

## Redragon GM27FMU

# Redragon GM27FMU 27-inch 4K Mini-LED 160Hz Gaming Monitor Instruction Manual

Model: GM27FMU

[Introduction](#)

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty &](#)

[Support](#)

## 1. INTRODUCTION

Thank you for choosing the Redragon GM27FMU 27-inch 4K Mini-LED 160Hz Gaming Monitor. This manual provides essential information for setting up, operating, and maintaining your monitor to ensure optimal performance and longevity. Please read this manual thoroughly before using the product.

The Redragon GM27FMU monitor features a 27-inch flat Fast IPS display with Mini-LED technology, offering UHD 3840x2560 resolution, a 160Hz refresh rate, and a 1ms response time. It supports FreeSync Premium & G-Sync compatibility, 105% NTSC color gamut, and versatile connectivity options including HDMI, DisplayPort, and Type-C.

## 2. SETUP

### 2.1 Unpacking the Monitor

Carefully remove all components from the packaging. Ensure all items listed in the packing list are present and undamaged.

# 27" MINI LED TRUE-TO-LIFE COLORS

## IMMERSIVE VISUALS EXPERIENCE



105% NTSC



Rich & True Colors



Wide Viewing Angles

*Image: All components of the Redragon GM27FMU monitor, including the screen, stand base, stand neck, power adapter, DisplayPort cable, USB-B to USB-A cable, and user manual.*

## 2.2 Assembling the Stand

1. **Attach the Base to the Neck:** The base provides stability. Slide the base onto the neck connector and secure it with the screw at the bottom of the base. This ensures the monitor remains stable on your desk.
2. **Attach the Neck to the Monitor Panel:** The neck is responsible for all adjustments. Align the neck with the mounting slot on the back of the monitor. The neck is shaped to fit only one way, ensuring correct installation. Gently slide it into position until it clicks securely.

## 2.3 Connecting Cables

The Redragon GM27FMU offers versatile connectivity. Connect the power adapter to the monitor and a power outlet. Use the provided DisplayPort (DP) cable for optimal PC gaming performance to achieve the highest refresh rates. For modern gaming consoles like PlayStation 5 and Xbox Series X, use the HDMI 2.1 ports. The monitor also includes USB 3.0 Type-A x 2, USB 3.0 Type-B, and a Type-C (PD 90W) port for connecting peripherals and charging devices.



Image: Close-up of the monitor's rear panel, displaying the DC 24V power input, USB-A (USB1, USB2), USB-B (USB-UP), HDMI 1, HDMI 2, DisplayPort (DP), Type-C, and Earphone jack.

### 3. OPERATING THE MONITOR

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#### 3.1 Powering On and Initial Settings

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Once connected, power on your monitor. The monitor may automatically detect the input source. If not, navigate the On-Screen Display (OSD) menu to select the correct input.

The monitor features a rocker function for OSD navigation. This allows you to adjust various display settings such as brightness, contrast, color temperature, and gaming-specific modes.

#### 3.2 Key Features and Adjustments

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- **4K UHD Resolution & Mini-LED Technology:** Enjoy stunning visuals with 3840x2560 resolution and 2304 Mini-LED dimming zones for vibrant colors and sharp details.
- **160Hz Refresh Rate & 1ms Response Time:** Experience smooth, blur-free gameplay, crucial for fast-paced gaming scenarios.
- **Adaptive Sync (FreeSync Premium & G-Sync Compatible):** Eliminates screen tearing and stuttering by synchronizing the monitor's refresh rate with your graphics card.
- **Enhanced Color Accuracy:** Quantum Dot technology covers 105% NTSC color gamut, ensuring rich and vivid colors.
- **Adjustable Stand:** The stand allows for tilt, swivel, and height adjustments to find your optimal viewing position. It is also VESA compatible for alternative mounting solutions.

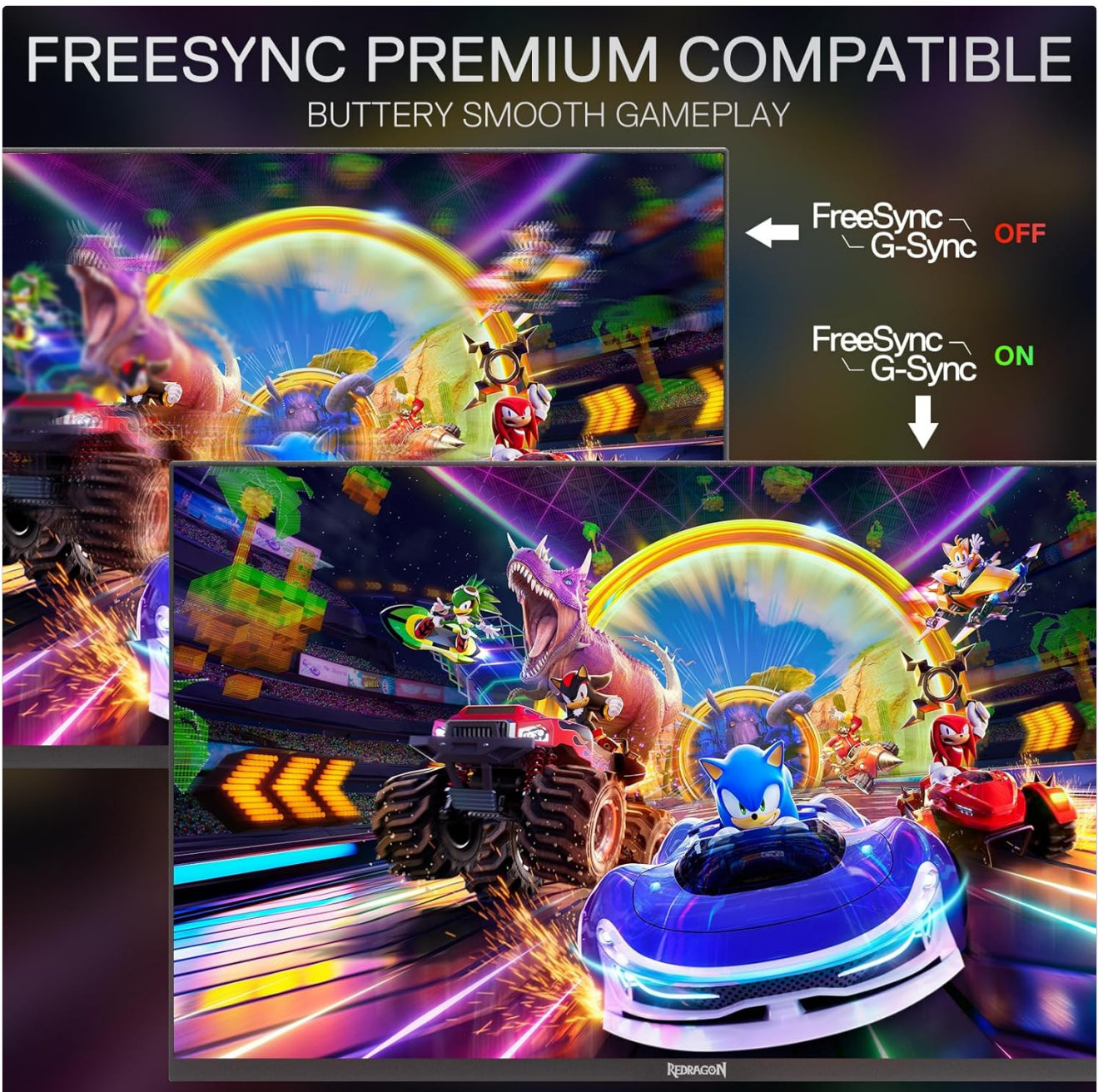


Image: The Redragon GM27FMU monitor showcasing a racing game, emphasizing the 1ms response time and 160Hz refresh rate for smooth visuals.



# 160HZ 1MS SPEED UNLEASHED

FEEL THE SPEED, OWN THE BATTLE



1ms 160Hz

5ms 60Hz

*Image: The Redragon GM27FMU monitor illustrating the effect of FreeSync Premium and G-Sync compatibility, showing a tear-free gaming experience.*

## 4. MAINTENANCE

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- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, use a monitor-specific cleaning solution applied to the cloth, not directly to the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure the monitor's ventilation openings are clear and not blocked to prevent overheating.
- **Power Off When Not in Use:** To conserve energy and prolong the monitor's lifespan, power it off when not in use for extended periods.

## 5. TROUBLESHOOTING

### 5.1 No Power / No Display

- Ensure the power cable is securely connected to both the monitor and the power outlet.
- Verify that the power outlet is functional.
- Check if the monitor's power indicator light is on.
- Confirm the correct input source is selected in the OSD menu.

### 5.2 Image Quality Issues (Blurry, Distorted, Incorrect Colors)

- Ensure the display cable (DisplayPort or HDMI) is securely connected to both the monitor and your computer/console.
- Check your graphics card drivers and update them if necessary.
- Adjust the resolution and refresh rate settings on your computer/console to match the monitor's native resolution (3840x2560) and desired refresh rate (up to 160Hz).
- Navigate the OSD menu to adjust brightness, contrast, and color settings. Consider resetting to factory defaults if custom settings cause issues.

### 5.3 Local Dimming Blooming

Some users have reported blooming issues when Local Dimming is enabled, particularly at higher settings. If you experience this:

- Access the OSD menu (Advanced Settings > Local Dimming).
- Try setting Local Dimming to "Standard" or "Off" to see if the issue is resolved.
- Ensure your monitor's firmware is up to date. Check the Redragon support website for the latest updates.

### 5.4 Screen Tearing / Stuttering

- Ensure Adaptive Sync (FreeSync Premium or G-Sync compatibility) is enabled in both the monitor's OSD menu and your graphics card settings.
- Verify that your graphics card supports Adaptive Sync technology.

## 6. SPECIFICATIONS

Feature	Detail
Product Dimensions	8.5 x 32.7 x 19.3 inches
Item Weight	22.1 pounds

Feature	Detail
Manufacturer	Redragon
ASIN	B0DSKDT8M
Item Model Number	GM27FMU
Standing Screen Display Size	27 Inches
Aspect Ratio	16:9
Resolution	3840 x 2560 Pixels (4K UHD)
Total USB Ports	2 (USB 3.0 Type-A) + 1 (USB 3.0 Type-B)
Screen Surface Description	Matte
Refresh Rate	160Hz
Response Time	1ms
Panel Type	Fast IPS with Mini-LED (2304 zones)
Color Gamut	105% NTSC (Quantum Dot)
Video Inputs	HDMI 2.1 TMDS x 2, DP 1.4 x 2, Type-C (PD 90W)
VESA Mount	100x100 mm

## 7. WARRANTY AND SUPPORT

Redragon provides a three-year warranty and responsive customer support. If you have any issues when you are using this 27-inch gaming monitor, please feel free to contact us. We will respond within 12 hours to assist you. For further assistance, please visit the official Redragon support website or contact their customer service directly.