

## MSI MPG 274URDFW E16M

# MSI MPG 274URDFW E16M 27-inch UHD Gaming Monitor User Manual

Model: MPG 274URDFW E16M

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your MSI MPG 274URDFW E16M 27-inch UHD Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper and safe operation.

The MSI MPG 274URDFW E16M is a high-performance gaming monitor featuring a 27-inch Rapid IPS display with UHD (3840 x 2160) resolution and a 160Hz refresh rate. It incorporates Mini-LED technology with 1,152 local dimming zones, VESA DisplayHDR 1000 certification, and a 0.5ms (GtG, min.) response time for exceptional visual clarity and gaming performance. Key features include AI Dual Mode, AI Menu, KVM functionality, and versatile connectivity options including USB-C with 98W power delivery.



Image 1.1: Front view of the MSI MPG 274URDFW E16M Gaming Monitor, highlighting its 27-inch 4K UHD display, 160Hz refresh rate, Mini-LED, Rapid IPS, 0.5ms GtG response time, 98W USB-C power delivery, and VESA DisplayHDR 1000 certification.

## 2. SAFETY INFORMATION

- Always place the monitor on a stable, flat surface to prevent accidental falls.
- Use only the power adapter and cables provided by the manufacturer.
- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Avoid blocking ventilation openings to prevent overheating.
- Do not attempt to repair the monitor yourself. Refer all servicing to qualified personnel.
- Unplug the monitor from the power outlet before cleaning.

## 3. PACKAGE CONTENTS

Verify that all items listed below are present in your product package. If any items are missing or damaged, contact your retailer or MSI customer support.

- MSI MPG 274URDFW E16M Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Power Cord
- HDMI Cable
- DisplayPort Cable
- USB Type-B to Type-A Cable (for KVM/USB Hub)

- USB Type-C Cable
- Quick Start Guide
- Warranty Card

## 4. SETUP

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### 4.1 Assembling the Monitor Stand

1. Carefully remove the monitor from its packaging, keeping it protected on a soft surface.
2. Attach the stand neck to the monitor panel using the provided screws.
3. Connect the stand base to the stand neck and secure it with the thumb screw.
4. Place the assembled monitor on a stable desk.

*Alternatively, the monitor supports VESA mounting (100x100mm) for wall or arm installation. Ensure to remove the stand neck before attaching a VESA mount.*

### 4.2 Connecting Cables

Refer to the image below for port locations.

# PREMIUM CONNECTIVITY

This monitor features a built-in USB hub and versatile display ports—including DisplayPort 1.4a, HDMI 2.1, and USB-C with 98W PD—supporting up to 4K 160Hz or FHD 320Hz.



Image 4.1: Rear view of the MSI MPG 274URDFW E16M Monitor, showing various input and output ports including DC-in, USB Type-A, HDMI, DisplayPort, USB Type-C, and Headphone-out.

- **Power Connection:** Connect the power adapter to the monitor's DC-in port, then plug the power cord into a power outlet.
- **Video Connection:**
  - For optimal performance, use the provided DisplayPort cable to connect to your computer's graphics card.
  - Alternatively, use an HDMI 2.1 cable for HDMI connections.
  - For USB-C compatible devices, use the provided USB Type-C cable. This port also supports 98W power delivery.
- **USB Hub/KVM Connection:** Connect the USB Type-B to Type-A cable from your computer to the monitor's USB Type-B upstream port to enable the monitor's USB Type-A ports and KVM functionality.
- **Audio Output:** Connect headphones or external speakers to the 3.5mm headphone-out jack.

## 4.3 Initial Power On

Press the power button, usually located on the back or bottom of the monitor, to turn it on. The monitor should automatically detect the input signal. If not, you may need to manually select the input source using the OSD joystick.

## 5. OPERATING THE MONITOR

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### 5.1 On-Screen Display (OSD) Navigation

The monitor's settings are controlled via a 5-way joystick located on the back of the monitor.

- **Push In:** Enter OSD menu / Confirm selection.
- **Up/Down:** Navigate menu options.
- **Left/Right:** Adjust values / Navigate sub-menus.

### 5.2 Key Features

#### 5.2.1 Dual Mode (4K 160Hz / FHD 320Hz)

The monitor supports a unique Dual Mode, allowing you to switch between 4K UHD resolution at 160Hz and FHD (1920x1080) resolution at 320Hz. This feature is ideal for users who prioritize either high resolution or ultra-high refresh rates depending on the application.

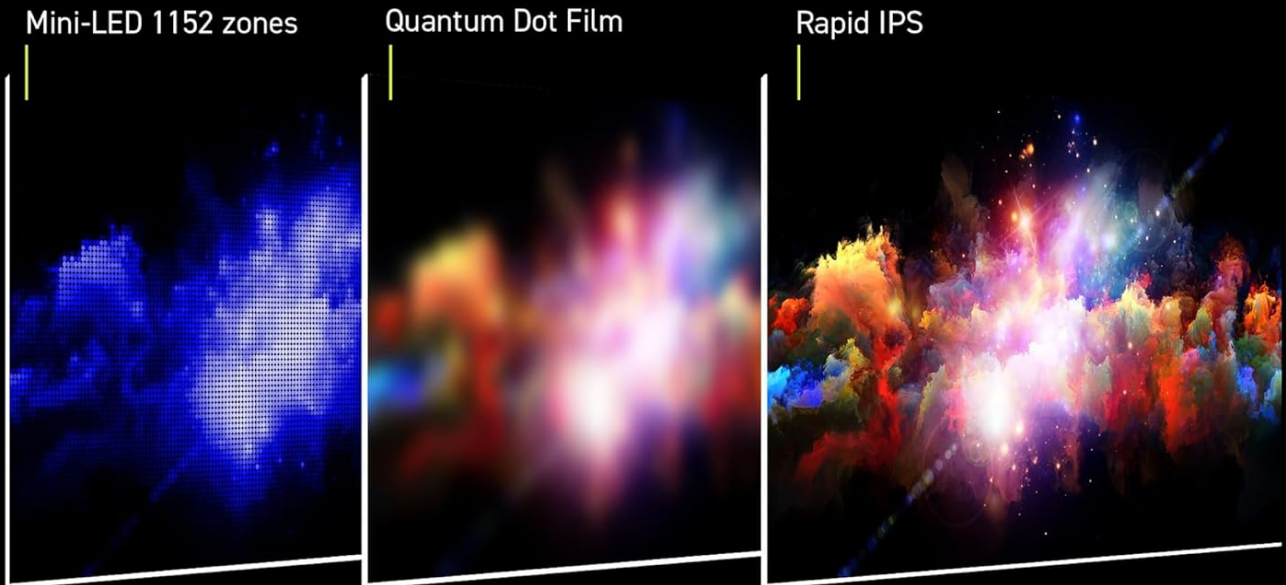


Image 5.1: Illustration of the Dual Mode feature, showing the ability to switch between 4K 160Hz and FHD 320Hz for different gaming experiences.

To activate Dual Mode, navigate to the OSD menu and select the desired resolution/refresh rate profile. The monitor can also auto-adjust with AI Dual Mode.

### 5.2.2 Mini-LED Display and VESA DisplayHDR 1000

The Mini-LED backlight with 1,152 local dimming zones provides superior contrast, deeper blacks, and brighter highlights, enhancing HDR content. The monitor is VESA DisplayHDR 1000 certified, ensuring a high-quality HDR viewing experience.



## MINI-LED DISPLAY

Mini-LED gaming monitors with 1,152 dimming zones deliver stunning contrast, brightness, and clarity for a superior HDR and immersive gaming experience.

Image 5.2: Visual representation of Mini-LED technology, Quantum Dot Film, and Rapid IPS, illustrating how they contribute to enhanced display quality.

# VESA DISPLAYHDR 1000

VESA DisplayHDR 1000 delivers lifelike contrast and rich detail in dark scenes for a more realistic viewing experience.



VESA CERTIFIED

**DisplayHDR™ 1000**

*Image 5.3: Demonstrates the visual impact of VESA DisplayHDR 1000, showing enhanced contrast and detail in dark and bright scenes.*

## 5.2.3 KVM Functionality

The integrated KVM (Keyboard, Video, Mouse) switch allows you to control multiple devices (e.g., a desktop PC and a laptop) connected to the monitor using a single set of keyboard and mouse. Connect your keyboard and mouse to the monitor's USB Type-A ports, and connect the USB Type-B upstream cable to your primary computer and the USB Type-C cable to your secondary device.



Image 5.4: Diagram illustrating the KVM setup, showing how a laptop and a desktop PC can share a single keyboard, mouse, and the MSI monitor.

### 5.2.4 Mystic Light

The monitor features customizable RGB lighting (Mystic Light) on its rear panel, which can be synchronized with other MSI Mystic Light-enabled gaming components for a cohesive aesthetic.

# MYSTIC LIGHT

The MSI MPG 274URDFW E16M provides soft ambient lighting with 44 LEDs that easily sync with any Mystic Light-enabled gaming products.



Image 5.5: Close-up of the monitor's rear panel, showcasing the Mystic Light RGB illumination.

## 5.3 Adjusting Display Settings

Use the OSD joystick to access and adjust various display settings:

- **Gaming:** Game Mode, Night Vision, Response Time, Refresh Rate, Adaptive Sync.
- **Professional:** Pro Mode, Low Blue Light, HDCR.
- **Image:** Brightness, Contrast, Sharpness, Color Temperature.
- **Input Source:** Select between DisplayPort, HDMI 1, HDMI 2, USB-C.
- **PIP/PBP:** Picture-in-Picture / Picture-by-Picture settings.
- **Settings:** Language, OSD Transparency, Power LED, Reset.

## 6. MAINTENANCE

### 6.1 Cleaning the Monitor

- Always unplug the monitor before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using harsh chemicals, solvents, or abrasive materials.

## 6.2 General Care

- Keep the monitor away from direct sunlight and heat sources.
- Ensure adequate ventilation around the monitor.
- Avoid placing heavy objects on the monitor or its cables.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Video cable disconnected; Incorrect input source selected.	Check power and video cable connections. Press the OSD joystick to open the input source menu and select the correct input.
Image is blurry or distorted	Incorrect resolution; Loose video cable.	Set the display resolution to the native 3840x2160. Ensure video cables are securely connected.
No sound from headphones	Headphones not connected properly; Volume too low; Incorrect audio output selected on PC.	Check headphone connection. Adjust volume via OSD or PC. Ensure monitor is selected as audio output on your computer.
KVM not switching devices	USB Type-B upstream cable not connected; USB Type-C not connected to secondary device.	Ensure all necessary USB cables are connected correctly. Check KVM settings in the OSD.

## 8. SPECIFICATIONS

Feature	Detail
Brand	MSI
Model Number	MPG 274URDFW E16M
Screen Size	27 inches
Resolution	3840 x 2160 (UHD)
Refresh Rate	160Hz (UHD), 320Hz (FHD Dual Mode)
Response Time	0.5ms (GtG, Min.)
Panel Type	Rapid IPS
Backlight Technology	Mini-LED (1,152 dimming zones)
HDR Certification	VESA DisplayHDR 1000

Feature	Detail
Aspect Ratio	16:9
Screen Surface	Matte
Connectivity	2x HDMI 2.1, 1x DisplayPort 1.4a, 1x USB Type-C (DP Alt. Mode, 98W PD), 2x USB 2.0 Type-A, 1x USB 2.0 Type-B (upstream), 1x Headphone-out
VESA Mounting	100 x 100 mm
Dimensions (with stand)	7.97 x 24.14 x 15.78 inches
Weight (with stand)	23.3 Pounds

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

Your MSI MPG 274URDFW E16M monitor is covered by a limited warranty. The specific terms and duration of the warranty may vary by region. Please refer to the warranty card included in your package or visit the official MSI website for detailed warranty information.

### 9.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact MSI customer support. You can find contact information and support resources on the official MSI website:

[MSI Support Website](#)

When contacting support, please have your monitor's model number (MPG 274URDFW E16M) and serial number ready.

