

## Z Z-EDGE UG49W

# Z-Edge UG49W 49-inch 5K DQHD Curved Gaming Monitor User Manual

Model: UG49W

## 1. INTRODUCTION

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This manual provides essential information for the proper setup, operation, and maintenance of your Z-Edge UG49W 49-inch 5K DQHD Curved Gaming Monitor. Please read this manual thoroughly before using the product to ensure optimal performance and safety. Keep this manual for future reference.

## 2. PACKAGE CONTENTS

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Verify that all components are present in the package. If any items are missing or damaged, please contact customer support.

- Z-Edge UG49W 49-inch Curved Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Cable
- DisplayPort (DP) Cable
- HDMI Cable
- USB-C Cable
- USB-B to USB-A Cable
- User Manual
- Mounting Screws (for stand assembly)

## 3. PRODUCT OVERVIEW

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### 3.1 Monitor Features

- **Display:** 49-inch IPS Curved Panel, 5120x1440 DQHD Resolution

- **Refresh Rate:** 144Hz
- **Response Time:** 1ms MPRT
- **Curvature:** 3800R
- **Brightness:** 400 cd/m<sup>2</sup>
- **Color Depth:** 10-bit
- **Aspect Ratio:** 32:9 Ultrawide
- **Viewing Angle:** 178° (H/V)
- **Adaptive Sync:** FreeSync support for tear-free visuals
- **Productivity Features:** Picture-in-Picture (PIP), Picture-by-Picture (PBP), KVM Switch
- **Ergonomics:** Adjustable stand with tilt, swivel, and height adjustments
- **Eye Care:** Low Blue Light, Anti-Flicker, Anti-Glare technologies

## 3.2 Input/Output Ports

The monitor is equipped with a variety of ports for versatile connectivity:

- 2 x HDMI ports
- 1 x DisplayPort (DP)
- 1 x USB-C port (65W power delivery, video, data)
- 1 x USB-B upstream port (for KVM and USB-A hub)
- 2 x USB-A downstream ports
- 1 x Audio Out (3.5mm jack)
- 1 x DC 24V Power Input

# Abundant ports: seamless device switching

With abundant ports, it enables swift switching between various devices, easily fulfilling all connection demands

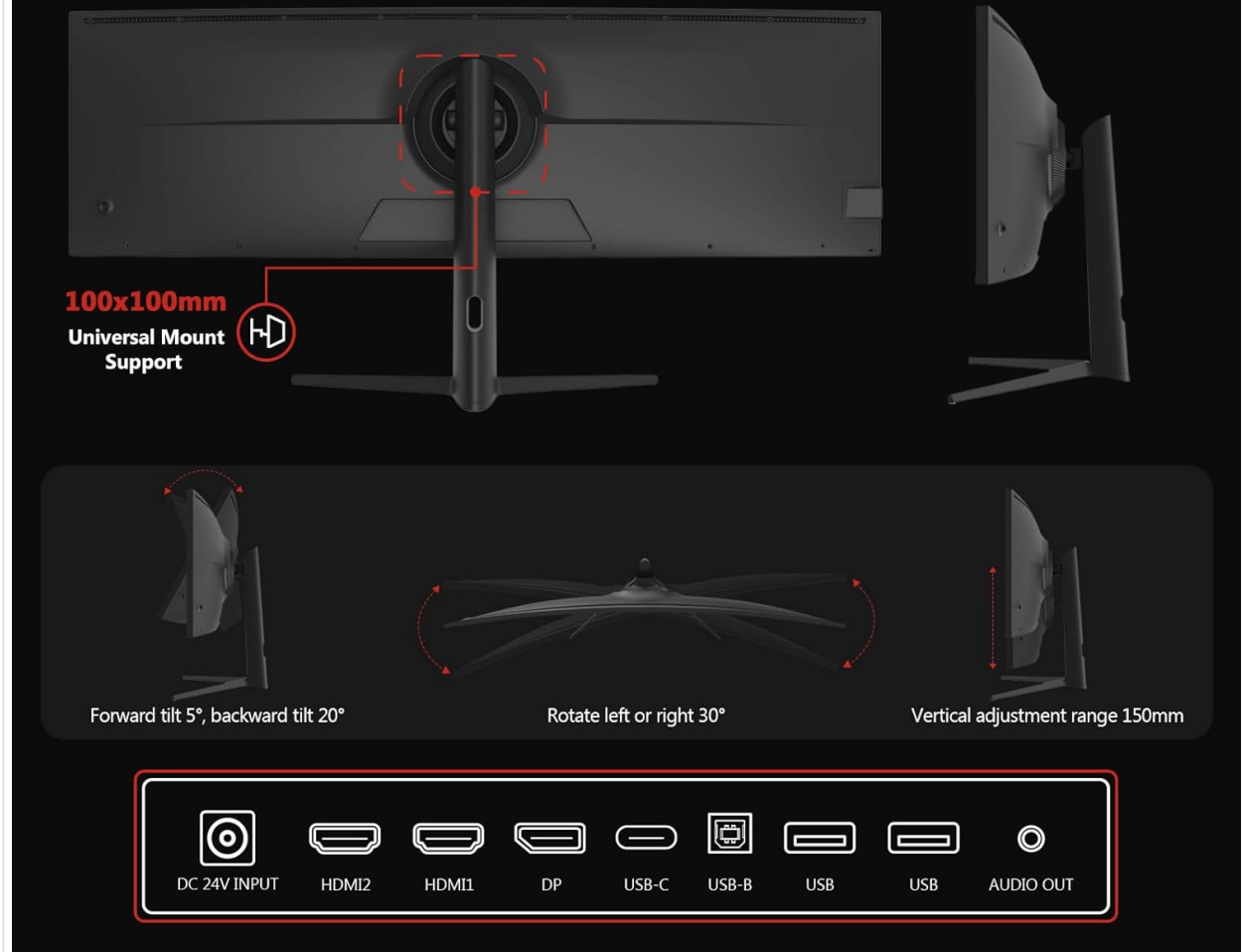


Image: Rear view of the Z-Edge UG49W monitor, highlighting the various input/output ports including HDMI, DisplayPort, USB-C, USB-B, USB-A, Audio Out, and DC power input. The image also shows the 100x100mm VESA mount compatibility.

## 4. SETUP

### 4.1 Stand Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand neck to the monitor panel using the provided screws. Ensure it is securely fastened.
3. Attach the stand base to the stand neck. Tighten the thumb screw or screws at the bottom of the base.
4. Place the assembled monitor on a stable, flat surface.

### 4.2 Connecting to a Device

Connect your computer or other devices to the monitor using the appropriate cables.

- **DisplayPort (DP):** For optimal performance, especially at 144Hz refresh rate and 5120x1440 resolution, use the included DisplayPort cable.
- **HDMI:** Connect via HDMI for compatible devices. Note that maximum resolution and refresh rate may vary depending on the HDMI version and device capabilities.

- **USB-C:** Connect a compatible laptop or device using the USB-C cable. This port supports video, data transfer, and up to 65W power delivery for charging your device.
- **USB-B (Upstream):** Connect the USB-B to USB-A cable from your computer to the monitor's USB-B port to enable the monitor's USB-A downstream ports and KVM functionality.
- **Audio Out:** Connect external speakers or headphones to the 3.5mm audio jack.



Image: A laptop connected to the Z-Edge UG49W monitor using a single USB-C cable, illustrating how the USB-C port provides video, data, and charging capabilities simultaneously.

### 4.3 Power Connection

Connect the power adapter to the monitor's DC 24V input port, then plug the power cable into a power outlet.

## 5. OPERATING INSTRUCTIONS

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

The monitor features a joystick control located on the back or bottom of the monitor for navigating the OSD menu. Press the joystick to open the OSD menu, then move it up/down/left/right to select and adjust settings.

- **Picture Settings:** Adjust brightness, contrast, sharpness, color temperature, and gamma.

- **Color Settings:** Fine-tune RGB values, hue, and saturation.
- **Input Select:** Manually switch between HDMI 1, HDMI 2, DisplayPort, and USB-C inputs.
- **PIP/PBP Settings:** Configure Picture-in-Picture or Picture-by-Picture modes.
- **System Settings:** Adjust OSD language, transparency, timeout, and reset to factory defaults.
- **Gaming Settings:** Enable FreeSync, adjust response time, and activate game modes.

## 5.2 PIP/PBP Functionality

The Picture-in-Picture (PIP) and Picture-by-Picture (PBP) functions allow you to display content from two different sources simultaneously on the screen.

- **PIP:** Displays a smaller window of a second input source over the main input.
- **PBP:** Divides the screen into two or more sections, each displaying a different input source side-by-side.

Access these settings through the OSD menu to select input sources and adjust their display positions and sizes.



Image: The Z-Edge UG49W monitor displaying content from two different sources side-by-side (PBP mode), with an Xbox console and a laptop connected, demonstrating the monitor's multi-source display capabilities.

## 5.3 KVM Switch

The built-in KVM (Keyboard, Video, Mouse) switch allows you to control two different computers or devices with a single set of keyboard and mouse connected to the monitor's USB-A ports. To use this feature, ensure both devices are connected to the monitor via video cables (e.g., DP, HDMI, USB-C) and that the USB-B upstream cable is connected from the monitor to the primary device. Switching between devices is typically done via the OSD menu or a dedicated hotkey combination (refer to the full manual for specific instructions).



Image: An illustration of the KVM functionality, showing a single keyboard and mouse connected to the monitor, controlling two separate computer systems connected to the monitor's various inputs.

## 5.4 FreeSync

FreeSync technology synchronizes the monitor's refresh rate with your graphics card's frame rate, eliminating screen tearing and stuttering for a smoother gaming experience. Enable FreeSync through the OSD menu if your graphics card supports it.

# Wipes out screen tearing to boost gaming smoothness

Removing screen tearing and stuttering caused by mismatched rates, thus delivering a fluid, continuous gaming experience.



Image: A visual comparison showing a racing car image with and without FreeSync enabled. The image on the left (FreeSync ON) appears smooth, while the image on the right (FreeSync OFF) shows noticeable screen tearing, illustrating the benefit of the technology.

## 6. MAINTENANCE

Proper care and maintenance will extend the life of your monitor.

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth with a small amount of non-ammonia, non-alcohol based glass cleaner. Do not spray cleaner directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor casing. Avoid abrasive cleaners.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off:** Always turn off the monitor and unplug it from the power outlet before cleaning or if it will be unused for an extended period.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet not working	Ensure power cable is securely connected to monitor and outlet; Test outlet with another device.
No signal	Input cable not connected; Incorrect input source selected	Check video cable connections (DP, HDMI, USB-C); Select correct input source via OSD menu.
Image flickering or tearing	FreeSync not enabled; Graphics card driver issue	Enable FreeSync in OSD and graphics card settings; Update graphics card drivers.
Blurred or distorted image	Incorrect resolution; Cable quality	Set display resolution to 5120x1440; Use high-quality DP or HDMI cables.
USB ports not working	USB-B upstream cable not connected	Connect the USB-B to USB-A cable from your computer to the monitor's USB-B port.

If the problem persists after attempting these solutions, please contact Z-Edge customer support.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	UG49W
Screen Size	49 Inches
Panel Type	IPS
Resolution	5120x1440 (DQHD)
Aspect Ratio	32:9
Refresh Rate	144Hz
Response Time	1ms MPRT
Curvature	3800R
Brightness	400 cd/m <sup>2</sup>
Contrast Ratio	1000:1 (Typical)
Color Support	1.07 Billion (10-bit)
Video Inputs	2 x HDMI, 1 x DisplayPort, 1 x USB-C
USB Ports	1 x USB-B (upstream), 2 x USB-A (downstream)
Audio	1 x Audio Out (3.5mm)
Power Input	DC 24V
Product Dimensions (with stand)	47.8 x 12 x 4.6 inches (approximate)

Feature	Specification
Item Weight (with stand)	37 pounds (approximate)
VESA Compatibility	100x100mm

## 9. WARRANTY AND SUPPORT

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Z Z-EDGE products are designed for reliability and performance. For warranty information, please refer to the warranty card included with your product or visit the official Z-Edge website. For technical support, troubleshooting assistance, or service inquiries, please contact Z-Edge customer support through their official channels.

**Contact Information:** Refer to the Z-Edge official website or your product's packaging for the most current support contact details.