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GIGABYTE M32U

GIGABYTE M32U 32" 4K 144Hz Gaming Monitor User Manual

Model: M32U-SA

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your GIGABYTE M32U 32" 4K 144Hz Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper installation and functionality. Keep this manual for future reference.



2. WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- GIGABYTE M32U Monitor
- Power cable
- HDMI cable
- DisplayPort (DP) cable
- USB Cable (Type-A to Type-B for upstream connection)
- Type-C Cable
- Quick Start Guide (QSG)
- Warranty card

3. SETUP

3.1. Monitor Assembly

Follow these steps to assemble the monitor stand or prepare for VESA wall mounting:

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck, securing it with the provided screw.
3. Attach the assembled stand to the back of the monitor until it clicks into place. Ensure it is securely fastened.
4. Alternatively, for VESA mounting, remove the stand and attach a VESA-compatible mount (100x100mm) to the monitor's rear panel.

Adjustable Stand & VESA Wall Mount

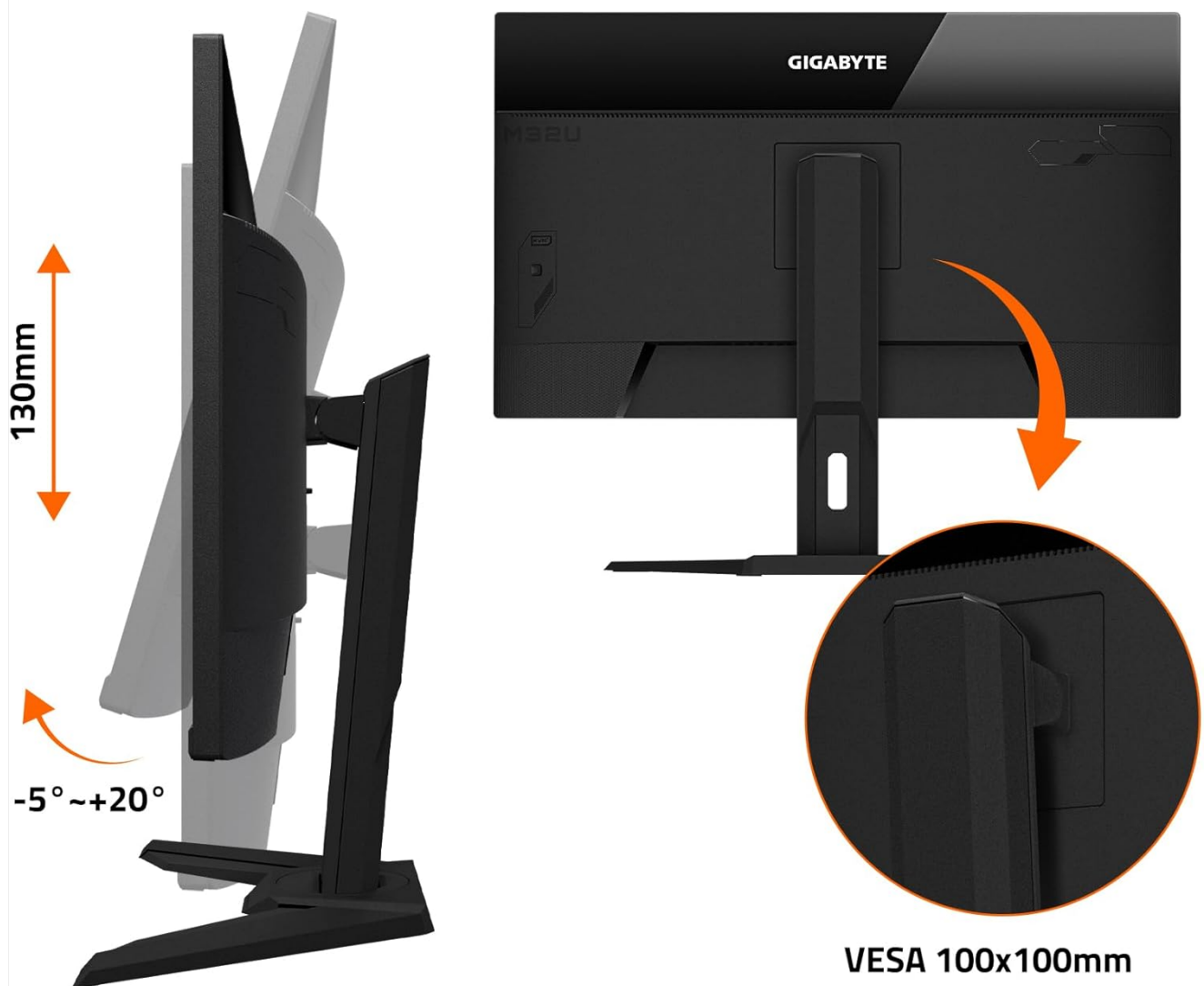


Figure 2: Adjustable Stand and VESA Wall Mount options.

3.2. Connecting the Monitor

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

1. **Power Connection:** Connect the power cable to the monitor's power input and then to a power outlet.
2. **Video Input:** Connect one end of the HDMI 2.1 or DisplayPort 1.4 cable to the corresponding port on the monitor and the other end to your computer's graphics card. For USB Type-C video input, use the provided Type-C cable.
3. **USB Upstream:** For KVM functionality and USB hub use, connect the USB Type-B to Type-A cable from the monitor's USB 3.0 Upstream Port to a USB port on your computer. If using USB Type-C for video, the USB data connection is often integrated.
4. **USB Downstream:** Connect your peripherals (keyboard, mouse, etc.) to the USB 3.0 Downstream Ports on the monitor.
5. **Audio:** Connect headphones or external speakers to the Earphone Jack if desired.

I/O Ports

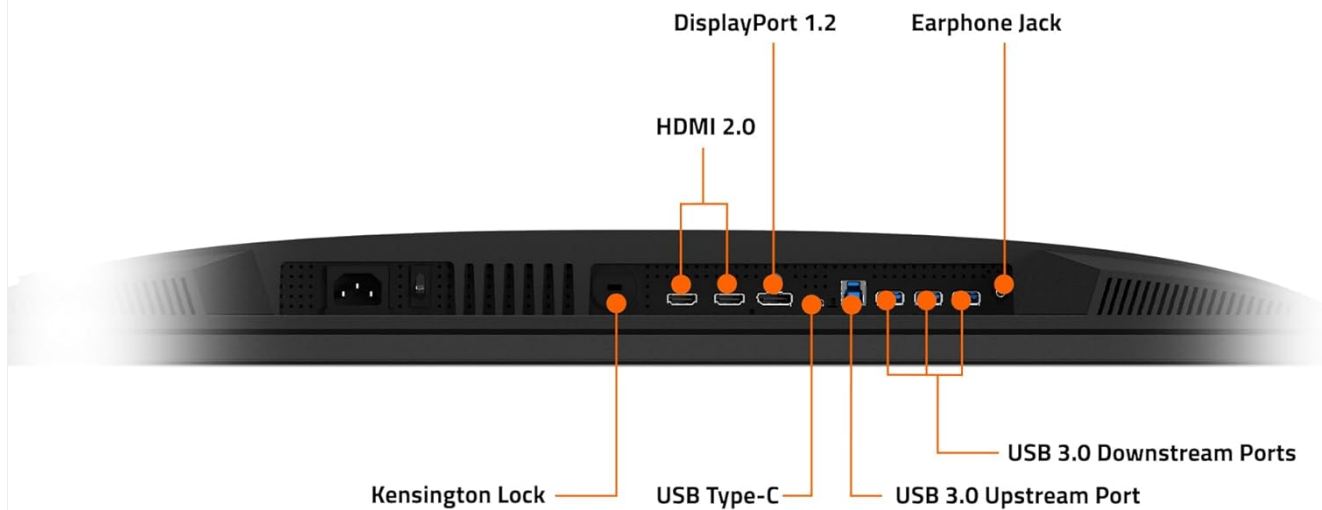


Figure 3: Monitor I/O Ports.

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

Press the power button located on the monitor to turn it on or off. The power indicator light will show the monitor's status.

4.2. On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the joystick control on the back of the monitor to navigate the menu. Alternatively, use the GIGABYTE OSD Sidekick software for PC-based control.



Figure 4: OSD Sidekick Software Interface.

4.3. KVM Feature

The KVM (Keyboard, Video, Mouse) feature allows you to control multiple devices (e.g., a desktop PC and a laptop) using a single set of keyboard, mouse, and the monitor. Connect your devices to the monitor's video inputs and the USB upstream ports. Use the dedicated KVM button on the monitor to switch between connected devices.



Figure 5: KVM Functionality with Type-C.

4.4. Display Performance Settings

The GIGABYTE M32U offers a 144Hz refresh rate and 1ms (GTG) response time for smooth visuals. Ensure your graphics card and connection cables support these specifications for optimal performance. Adaptive Sync Technology is supported to reduce screen tearing and stuttering.

1ms and 144Hz

Unlock maximum frame rate potential



Figure 6: Visualizing 1ms Response Time and 144Hz Refresh Rate.

4.5. Gaming Features

Utilize features like Black Equalizer to enhance visibility in dark areas without overexposing bright scenes. This can provide a competitive advantage in certain gaming scenarios.

OSD Sidekick

GIGABYTE OSD Sidekick allows you to set the display options with keyboard and mouse, giving you the easiest way to adjust monitor settings.

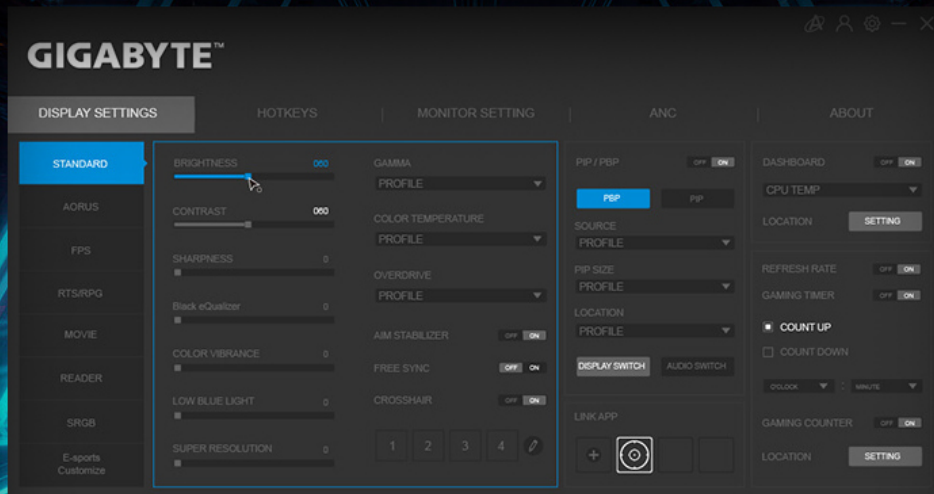


Figure 7: Black Equalizer in action.

5. MAINTENANCE

To ensure the longevity and optimal performance of your monitor, follow these maintenance guidelines:

- **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 harsh chemicals or abrasive materials.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place, preferably in its original packaging.

6. TROUBLESHOOTING

If you encounter issues with your GIGABYTE M32U monitor, refer to the following common problems and solutions:

- **No Power:**
 - Check if the power cable is securely connected to both the monitor and the power outlet.
 - Verify the power outlet is functional.
- **No Image on Screen:**
 - Ensure the video cable (HDMI, DisplayPort, or USB-C) is correctly connected to both the monitor and the computer.
 - Confirm the correct input source is selected in the OSD menu.
 - Check if the computer is powered on and not in sleep mode.
 - Test with a different video cable if available.
- **Flickering or Distorted Image:**
 - Check for loose or damaged video cables.

- Adjust the display resolution and refresh rate in your computer's display settings.
- Update your graphics card drivers.

- **KVM Not Switching or Peripherals Not Responding:**

- Ensure the USB upstream cable (Type-B to Type-A or Type-C) is properly connected to the computer you wish to control.
- Verify that the keyboard and mouse are connected to the monitor's USB downstream ports.
- Some systems may not wake from sleep via KVM-connected peripherals; connect directly to the PC if this occurs.

- **Dead Pixels or Backlight Bleed:**

- While rare, a small number of dead or stuck pixels is common for LCD technology and may not be considered a defect.
- Backlight bleed is typical for IPS panels, especially visible in dark environments or with dark content.

If the problem persists after attempting these solutions, please contact GIGABYTE customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	GIGABYTE
Model Number	M32U-SA
Screen Size	31.5 Inches
Screen Resolution	3840x2160 (4K UHD)
Max Screen Resolution	3840 x 2160 Pixels
Refresh Rate	144Hz
Response Time	1ms (GTG)
Panel Type	SS IPS
Color Support	10-bit color / 90% DCI-P3 / 123% sRGB
HDR Support	VESA DisplayHDR 400
Adaptive Sync	Supports Adaptive Sync Technology
Brightness	350 cd/m2 (TYP)
Contrast Ratio	1000:1
Viewing Angle	178°/178°
Connectivity	1x DisplayPort 1.4, 2x HDMI 2.1, 1x USB Type-C, 2x USB 3.0 Downstream, 1x USB 3.0 Upstream (Type-B)
Audio	1x Earphone Jack

VESA Mount Compatible	100 x 100mm
Ergonomics	Height, Tilt, Pivot, Swivel adjustments
Item Weight	30.8 pounds
Product Dimensions (LxWxH)	9.62 x 28.16 x 23.04 inches
Voltage	AC 100V~240V / 50~60Hz

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official GIGABYTE website. Technical support and additional resources can also be found on the GIGABYTE support page.
GIGABYTE Official Website: www.gigabyte.com