

## KTC H27T22

# KTC 27" 4K UHD 160Hz Gaming Monitor Instruction Manual

Brand: **KTC** | Model: **H27T22**

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## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your KTC 27-inch 4K UHD 160Hz Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage. Keep this manual for future reference.



Figure 1.1: Front view of the KTC 27-inch 4K UHD 160Hz Gaming Monitor.

## 2. SAFETY INFORMATION

Observe the following safety precautions to ensure safe operation and to extend the lifespan of your monitor:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Avoid placing the monitor in direct sunlight or near heat sources.
- Ensure proper ventilation; do not block ventilation openings.
- Use only the power adapter and cables provided by the manufacturer.
- Disconnect the power cable from the outlet before cleaning the monitor.
- Do not attempt to disassemble or repair the monitor yourself. Refer all servicing to qualified personnel.

## 3. WHAT'S IN THE BOX

Verify that all components are present in the package:

- 27 inch 4K UHD 160Hz Gaming Monitor (x1)

- Height Adjustable Stand (x1)
- Warranty card (x1)
- Quick Start Guide (QSG) (x1)
- DP Cable (x1)
- Adaptor (x1)
- Power Cord (x1)
- Screwdriver (x1)

## 4. SETUP

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### 4.1 Physical Assembly

Follow these steps to assemble the monitor stand or mount the monitor using a VESA compatible arm:

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck using the provided screws and screwdriver.
3. Align the assembled stand with the mounting points on the back of the monitor and secure it firmly. For VESA mounting (100mm x 100mm), remove any pre-attached stand components and secure the VESA mount to the monitor.
4. Place the monitor on a stable, flat surface.

# Respond Quickly & Extremely Smooth

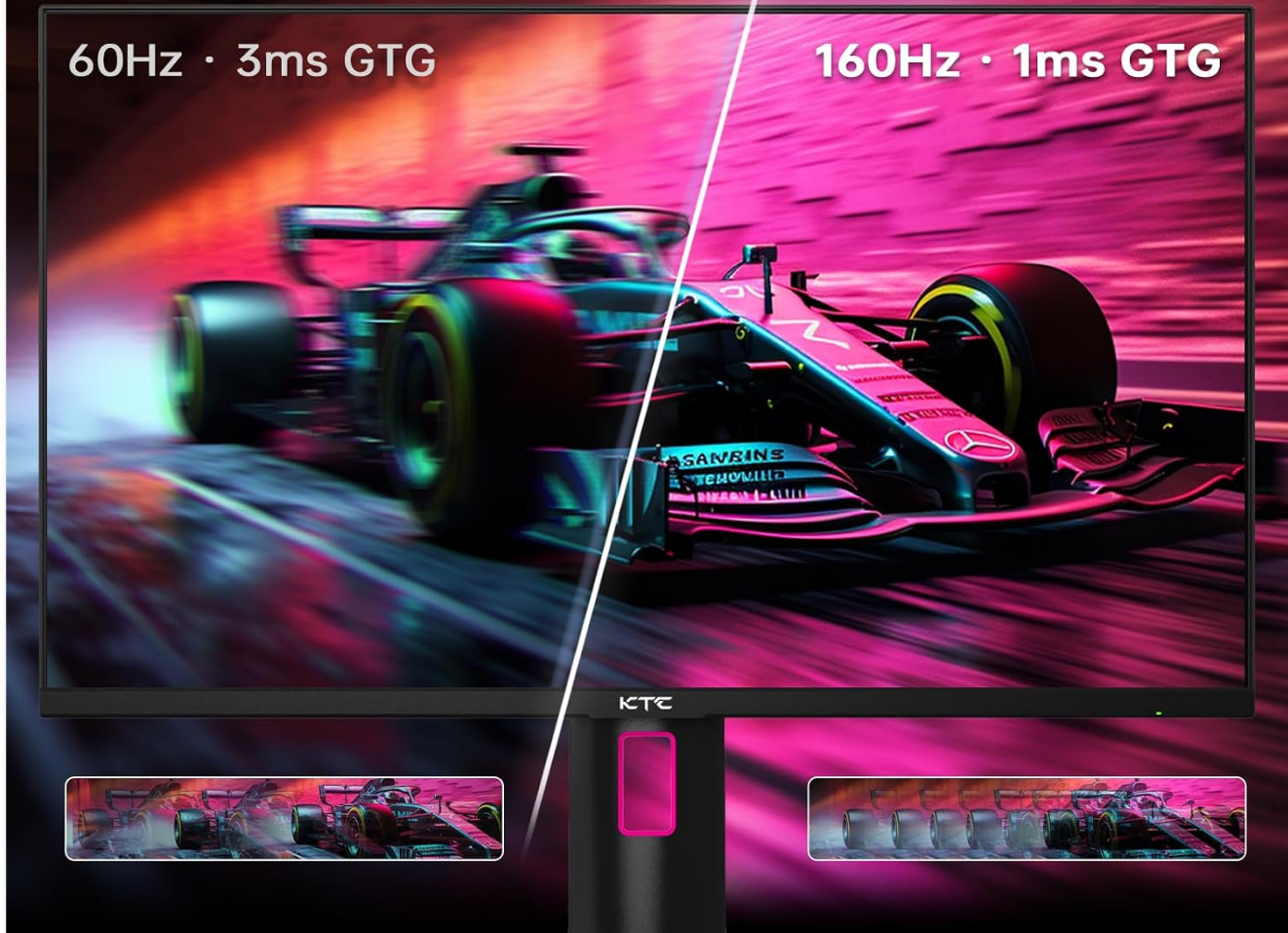


Figure 4.1: Ergonomic adjustments of the monitor stand, including height, tilt, pivot, and swivel.

## 4.2 Connections

Connect your devices to the monitor using the appropriate ports:

- **DisplayPort (DP 1.4):** Connect your PC or graphics card using the supplied DP cable for optimal 4K UHD resolution and 160Hz refresh rate.
- **HDMI (HDMI 2.1):** Use HDMI cables to connect gaming consoles, Blu-ray players, or other HDMI-enabled devices.
- **USB 2.0:** Connect USB peripherals such as keyboards or mice.
- **Earphone Jack:** Connect headphones or external speakers.
- **Power Input:** Connect the power adapter to the monitor and then to a power outlet.

## Multiple Ports, Easily connect to your PC, gaming consoles and peripherals with a variety of ports

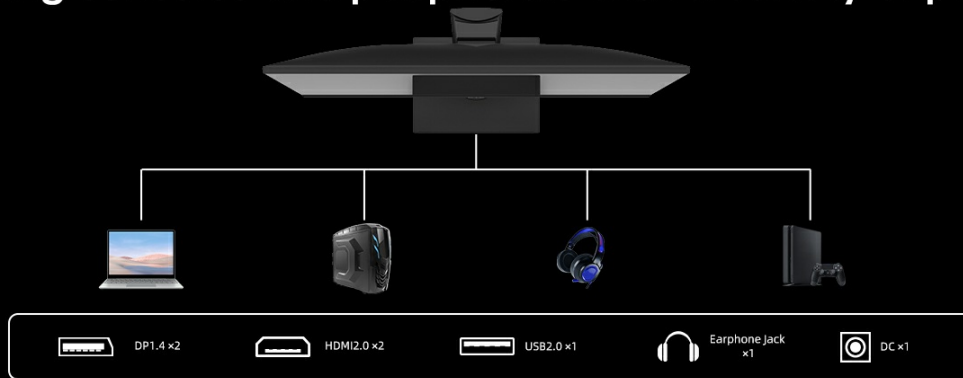


Figure 4.2: Overview of monitor ports and typical device connections.

## 5. OPERATING

### 5.1 Power On/Off

Press the power button located on the monitor to turn it on or off. The power indicator light will illuminate when the monitor is active.

### 5.2 OSD Menu Navigation

The On-Screen Display (OSD) menu allows you to adjust various monitor settings. Use the joystick or buttons on the monitor (location may vary) to navigate the menu:

- Press the joystick/button to open the OSD menu.
- Move the joystick up/down or use the corresponding buttons to navigate through menu options.
- Move the joystick left/right or use the corresponding buttons to adjust values or enter sub-menus.
- Press the joystick/button again to confirm selections or exit sub-menus.

### 5.3 Display Settings

Optimize your viewing experience by adjusting the following display settings:

- **Resolution:** Set your device's output resolution to 3840 x 2160 (4K UHD) for the sharpest image.
- **Refresh Rate:** Configure your device's refresh rate to 160Hz for ultra-smooth motion.
- **HDR (High Dynamic Range):** Enable HDR400 in the OSD menu and your device settings for enhanced contrast and color vibrancy. The monitor supports DCI-P3 97.5% (typical) and 132% sRGB color gamut.
- **Brightness & Contrast:** Adjust these settings to your preference. The monitor features 400 nits brightness.
- **Color Temperature:** Select from preset modes or customize RGB values.

# Ergonomic Design to find the Optimal Viewing Position



Figure 5.1: The monitor's ability to display true-to-life colors with wide color gamut support.

# True to Life Color



97.5% DCI-P3 , 132% sRGB;  
1.07Billion colors(8bit+Hi\_FRC)



Figure 5.2: Visual comparison demonstrating the smoothness of 160Hz refresh rate with 1ms GTG response time.

## 5.4 Gaming Features

Enhance your gaming experience with these integrated features:

- **G-Sync Compatible & FreeSync Premium:** Enable these features in the OSD menu and your graphics card settings to synchronize the monitor's refresh rate with your GPU's frame rate, eliminating screen tearing and stuttering.
- **1ms GTG Response Time:** The Fast IPS panel ensures minimal motion blur and ghosting for crisp, clear visuals during fast-paced action.
- **Low Blue Light & Flicker-free:** These technologies reduce eye strain during extended use. Activate them through the OSD menu.
- **Game Modes:** Access specific game modes (e.g., FPS, RTS) via the OSD for optimized visual settings.

# FreeSync Premium and G-Sync Compatible

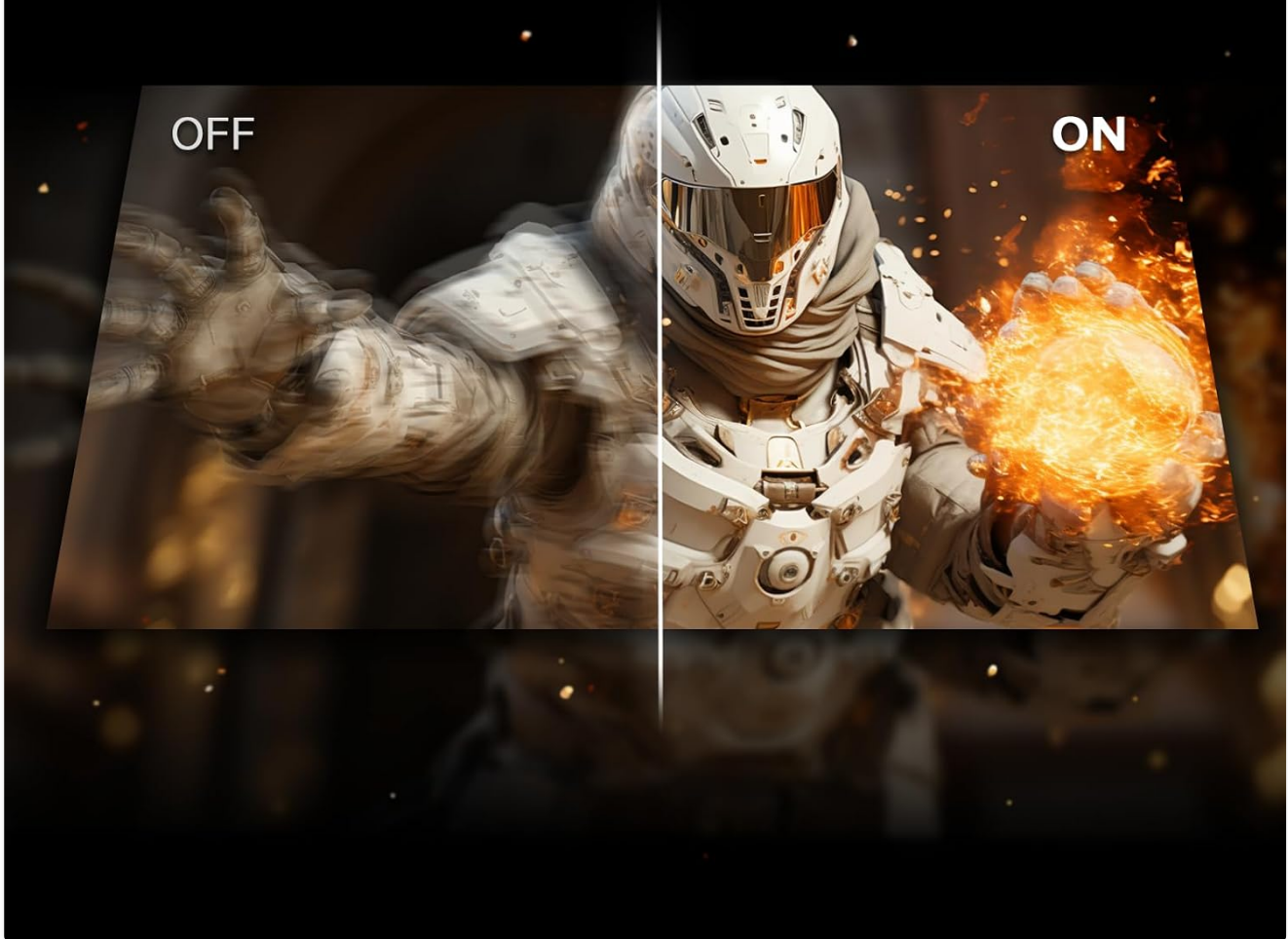


Figure 5.3: Illustration of FreeSync Premium and G-Sync Compatible technology for tear-free gaming.



Figure 5.4: The monitor's Low Blue Light and Flicker-free features designed for eye comfort.

## 6. MAINTENANCE

### 6.1 Cleaning the Monitor

To clean the monitor, first disconnect the power cable. Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner. Do not spray liquid directly onto the screen or monitor casing. Avoid using harsh chemicals or abrasive materials.

### 6.2 Storage

If storing the monitor for an extended period, disconnect all cables and pack it in its original packaging. Store in a cool, dry place away from direct sunlight and extreme temperatures.

## 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 faulty.	Ensure power cable is securely connected to monitor and outlet. Test outlet with another device.

Problem	Possible Cause	Solution
No Signal	Input cable not connected; Incorrect input source selected.	Check DP/HDMI cable connections. Select correct input source via OSD menu.
Flickering/Distorted Image	Cable issue; Graphics card driver issue; Refresh rate mismatch.	Try a different cable. Update graphics drivers. Ensure refresh rate is set correctly (e.g., 160Hz). Enable FreeSync/G-Sync.
Colors are incorrect	Color settings in OSD; Graphics card settings.	Adjust color settings in the OSD menu. Check color profile settings in your operating system or graphics card control panel.

If the problem persists after trying these solutions, please contact KTC customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	H27T22
Screen Size	27 Inches
Resolution	3840 x 2160 Pixels (4K UHD 2160p)
Refresh Rate	160Hz
Response Time	1ms GTG
Panel Type	Fast IPS
HDR Support	HDR400
Color Gamut	132% sRGB, DCI-P3 97.5% (typical)
Brightness	400 Candela (nits)
Aspect Ratio	16:9
Connectivity	HDMI 2.1, DP 1.4, USB 2.0 (Total 1), Earphone Jack
VESA Mount	100mm x 100mm
Stand Adjustments	Height, Tilt, Pivot, Swivel
Product Dimensions	7.28 x 15.72 x 24.25 inches
Item Weight	13.42 pounds
Manufacturer	KTC

Feature	Detail
Date First Available	March 8, 2024

## 9. WARRANTY AND SUPPORT

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KTC provides a 3-year warranty for this monitor. For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact KTC customer support. They offer 24/7 fast support and dedicated technical support.

You can find more information and support resources by visiting the official KTC store on Amazon [KTC Amazon Store](#).

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