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> KTC 27 Inch Gaming Monitor 240Hz 1440P QHD Computer Monitor User Manual

KTC H27E22S

KTC 27 Inch Gaming Monitor User Manual

Model: H27E22S

Brand: KTC

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your KTC 27 Inch Gaming Monitor (Model: H27E22S). Please read this manual thoroughly before using the product to ensure optimal performance and safety. This monitor is designed to deliver a superior visual experience with its 2K QHD resolution, high refresh rate, and advanced color capabilities.



Figure 1: KTC 27 Inch QHD 240Hz Gaming Monitor

WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- 27 inch QHD 240Hz Monitor (1 unit)
- Tilt Adjustable Stand (1 set)
- Warranty card (1 unit)
- DP Cable (1 unit)
- Adapter (1 unit)
- Screwdriver (1 unit)



Figure 2: Packaging contents for the KTC monitor.

SETUP

1. Stand Assembly

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. Securely attach the assembled stand to the back of the monitor. Ensure all connections are firm.

2. VESA Mounting (Optional)

The monitor is compatible with VESA 100x100mm mounting standards. If using a VESA mount, remove the pre-attached stand and secure the monitor to your VESA-compatible arm or wall mount using appropriate screws (not included with VESA mount).

Ultimate Gaming Experience

Fast HVA screen and Bezel-less design create advantages for gamers. VESA wall mount and tilt angle adjustment provide flexibility for your viewing



Figure 3: VESA 100x100mm compatibility and tilt adjustment range.

3. Connecting to a Device

Connect your computer or gaming console to the monitor using the appropriate cables. The monitor supports the following input ports:

- **HDMI 1:** Supports 1440P at 144Hz
- **HDMI 2:** Supports 1440P at 144Hz
- **DisplayPort (DP):** Supports 1440P at 240Hz
- **Audio Out:** For connecting headphones or external speakers
- **DC In:** Power input

Multiple Connections

You can connect the monitor to your Xbox, PC, laptop, etc



Figure 4: Available connectivity ports on the KTC monitor.

Ensure the power adapter is connected to the monitor's DC input and then to a power outlet.

OPERATING

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.

2. Adjusting Display Settings

The monitor features an On-Screen Display (OSD) menu for adjusting various settings. Use the control buttons (typically located on the back or bottom of the monitor) to navigate the OSD menu. Common adjustable settings include:

- **Brightness/Contrast:** Adjust the overall luminance and contrast of the display.
- **Color Settings:** Modify color temperature, gamma, and individual RGB levels.
- **Picture Modes:** Select from preset modes like Standard, Game, Movie, or Photo for optimized viewing experiences.

- **Input Source:** Manually select the active input (HDMI 1, HDMI 2, DisplayPort).
- **Response Time:** Adjust the MPRT (Moving Picture Response Time) for clearer motion.
- **FreeSync/G-Sync:** Enable or disable adaptive sync technology for tear-free gaming.

240Hz and 1ms Response Time

The picture can be clearer and smoother, so you can splash around in the game. FreeSync anti-tearing technology brings a gaming experience beyond the limit

240



FreeSync ON



FreeSync ON

Figure 5: Visual representation of 240Hz refresh rate and 1ms response time with FreeSync technology.

2K QHD Resolution

27 inch QHD 1440P (2560 x 1440) screen provides you with an immersive experience

2K 2560 × 1440



Figure 6: Comparison of 2K QHD (2560x1440) resolution versus FHD (1920x1080).

Accurately Reproduce Game Colors



130%
130% sRGB Color Gamut

2500:1
Contrast

400 cd/m²
Brightness

HDR
Support

Figure 7: Details on color gamut, contrast, brightness, and HDR support.

3. Ergonomic Adjustments

The monitor stand allows for tilt adjustment from -5° to 15° to help you find a comfortable viewing angle.

4. Product Overview Video

Video 1: An official overview of the KTC 27-inch 240Hz Gaming Monitor, highlighting its key features and design.

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, dampen the cloth slightly with water or a non-ammonia, non-alcohol based screen cleaner. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings on the monitor are not blocked to prevent overheating.
- **Power Off When Not in Use:** Turn off the monitor when not in use for extended periods to save energy and prolong its lifespan.

TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following common troubleshooting steps:

- **No Image/Power:**
 - Check if the power cable is securely connected to both the monitor and the power outlet.
 - Verify the power outlet is functioning.
 - Ensure the monitor's power button is pressed.
- **No Signal:**
 - Confirm the video cable (DP or HDMI) is securely connected to both the monitor and your computer/device.
 - Select the correct input source via the OSD menu.
 - Try a different video cable or port.
- **Flickering/Distorted Image:**
 - Check the video cable for damage or loose connections.
 - Adjust the refresh rate in your computer's display settings.
 - Disable or enable FreeSync/G-Sync in the OSD menu to see if it resolves the issue.
- **Dead Pixels:**
 - A small number of bright or dark pixels are common in LCD/LED technology and are not considered a defect unless they exceed manufacturer specifications.
- **No Audio from Headphone Jack:**
 - Ensure your headphones/speakers are properly connected.
 - Check the audio output settings on your computer/device.
 - Adjust the volume settings on both the monitor and your connected device.

If the issue persists after attempting these steps, please contact KTC customer support for further assistance.

SPECIFICATIONS

Feature	Specification
Model Number	H27E22S
Screen Size	27 Inches
Resolution	2560 x 1440 Pixels (QHD Wide 1440p)
Refresh Rate	240Hz (via DisplayPort 1.4)
Response Time	1ms MPRT
Panel Type	Fast HVA
Aspect Ratio	16:9
Viewing Angle	178 degrees
Color Gamut	130% sRGB, 100% DCI-P3
Display Colors	16.7 Million
Brightness	400 Candela (cd/m ²)
Contrast Ratio	2500:1
HDR Support	Yes
Connectivity	2x HDMI 2.0 (1440P 144Hz), 1x DisplayPort 1.4 (1440P 240Hz), 1x Audio Out
VESA Compatibility	100x100mm
Tilt Adjustment	-5° to 15°
Product Dimensions	27 x 19 x 6 inches
Item Weight	16.46 pounds
Country of Origin	China

WARRANTY AND SUPPORT

KTC products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included in your product packaging or visit the official KTC website. For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact KTC customer support through their official channels.

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