KTC H27T27

KTC H27T27 24.5 inch 400Hz Gaming Monitor User Manual

Comprehensive guide for setup, operation, and maintenance of your KTC H27T27 Gaming Monitor.

1. INTRODUCTION

The KTC H27T27 is a high-performance 24.5-inch gaming monitor designed for an immersive visual experience. Featuring a Fast IPS panel, it delivers a 400Hz ultra-high refresh rate and a 1ms response time, minimizing motion blur for fluid gameplay. With HDR 400 support and 128% sRGB color coverage, it produces vibrant and accurate colors. Integrated FreeSync Premium Pro technology ensures tear-free action. The monitor offers versatile connectivity options including HDMI 2.0 and DisplayPort 1.4, and an ergonomic design for adjustable viewing comfort.

2. WHAT'S IN THE BOX

Upon unboxing your KTC H27T27 monitor, please verify that all the following components are included:

- 24.5 inch Gaming Monitor (Model: H27T27)
- Base
- Quick Start Guide (QSG)
- User Guide (UG)
- DisplayPort (DP) Cable
- Power Adapter
- Screwdriver

Image: The KTC H27T27 gaming monitor, showcasing its 24.5-inch display, 400Hz refresh rate, HDR400, 1ms response time, and Fast IPS panel.

3. SETUP

3.1 Assembly

1. Carefully remove all components from the packaging. The packaging includes protective foam to ensure safe delivery.

2. Attach the monitor stand base to the neck using the provided screwdriver and screws. Ensure it is securely fastened. The base is made of solid metal for stability.

3. Connect the assembled stand to the back of the monitor. The monitor is designed for easy attachment.

3.2 Connecting Your Monitor

The KTC H27T27 offers multiple connectivity options:

- **DisplayPort (DP 1.4):** For optimal performance, including the 400Hz refresh rate at 1080P, use one of the two DisplayPort inputs.
- **HDMI (HDMI 2.0):** Connect your devices using one of the two HDMI ports, supporting up to 240Hz refresh rate.
- **USB-C:** Utilize the USB-C port for compatible devices.

- **USB-A (USB1, USB2, USB-UP):** Connect peripherals via the USB-A ports.
- **Headphone Jack:** Connect your headphones for audio output.

Image: Rear view of the KTC H27T27 monitor, highlighting its borderless design, tilt adjustability, and various input ports including DP 1.4 (400Hz) and HDMI 2.0 (240Hz).

4. OPERATING THE MONITOR

4.1 Power and On-Screen Display (OSD) Controls

The monitor features a single toggle switch located on the back for power control and navigating the On-Screen Display (OSD) menu. Press the toggle to power on/off, and use it to navigate through menu options.

4.2 Key Features and Settings

- **400Hz Ultra-High Refresh Rate:** Experience incredibly smooth visuals with a 400Hz refresh rate and 1ms response time. This significantly reduces motion blur, providing a competitive edge in fast-paced games.

- **HDR 400 & 128% sRGB Color Coverage:** The monitor supports HDR 400, bringing life to images with enhanced contrast and brightness. The 128% sRGB color gamut ensures accurate and vibrant color reproduction.

- **Fast IPS Panel:** Enjoy wide viewing angles (178°) and consistent color performance with the Fast IPS panel technology. This panel type offers superior color accuracy and deep blacks compared to traditional TN panels.

- **Adaptive Sync Technology (FreeSync Premium Pro):** Eliminate screen tearing and stuttering for fluid gameplay by enabling FreeSync Premium Pro in both your monitor's OSD settings and your graphics card's control panel.

- **Ergonomic Design:** Adjust the monitor's height and tilt to find your optimal viewing position for extended comfort. The monitor also supports rotation from landscape to portrait mode, ideal for long-form content or coding.

- **Game Assist Modes:** Utilize built-in features like a timer, crosshair overlay, and black level adjustment to enhance your gaming experience.

- **Eye Comfort Features:** The monitor incorporates features such as 400 Nits brightness, anti-flicker technology, and low blue light mode to reduce eye strain during prolonged use.

Image: A visual comparison demonstrating the smoothness of a 400Hz ultra-high-speed display versus a 165Hz display, highlighting the "No Flicker" technology.

Vibrant Colour Details for Combat

128%sRGB

400cd/m²

16.7 Million colors (8bit Color Depth)

HDR 400

Image: The KTC monitor showcasing vibrant color details, indicating 128% sRGB, 400cd/m² brightness, 16.7 Million colors (8bit Color Depth), and HDR 400 support.

Image: A side-by-side comparison illustrating the stunning clarity and superior image quality of a Fast IPS panel compared to a traditional TN panel.

Image: The KTC monitor showcasing its accurate game assist modes, including a timer, crosshair, and black level adjustment for enhanced gameplay.

Image: The KTC monitor highlighting its eye comfort design, featuring 400 Nits brightness, anti-flicker, low blue light, and a 178° wide viewing angle.

Image: A visual representation of the monitor's tear-free action, illustrating how Adaptive Sync technology eliminates screen tearing for smoother visuals.

5. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner. Avoid spraying liquid directly onto the screen.

- **Cleaning the Casing:** Wipe the monitor casing with a soft, dry cloth. Do not use strong detergents or solvents.

- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.

- **Power Off:** Always power off the monitor and unplug it from the power outlet before cleaning or if it will not be used for an extended period.

6. TROUBLESHOOTING

If you encounter issues with your KTC H27T27 monitor, refer to the following common troubleshooting steps:

- **No Power:**

    - Ensure the power cable is securely connected to both the monitor and a working power outlet.
    - Check if the power adapter is functioning correctly.
    - Verify the power toggle switch on the back of the monitor is pressed.

- **No Signal:**

    - Confirm that the video cable (DP or HDMI) is securely connected to both the monitor and your computer/device.
    - Ensure the correct input source is selected in the monitor's OSD menu.
    - Try a different video cable or port if available.

- **Screen Tearing/Stuttering:**

    - Ensure Adaptive Sync (FreeSync Premium Pro) is enabled in both your monitor's OSD settings and your graphics card's control panel.
    - Verify your graphics card drivers are up to date.

- **Image Quality Issues (Blurry, Distorted Colors):**

    - Check the display resolution and refresh rate settings on your computer to ensure they match the monitor's native resolution (1920x1080) and desired refresh rate (up to 400Hz).
    - Adjust brightness, contrast, and color settings via the OSD menu.

For further assistance, please contact KTC customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	H27T27
Screen Size	24.5 Inches
Panel Type	Fast IPS
Resolution	FHD 1080p (1920 x 1080)
Refresh Rate	400Hz (via DP 1.4), 240Hz (via HDMI 2.0)
Response Time	1ms
HDR Support	HDR 400
Color Coverage	128% sRGB
Brightness	400 Candela (Nits)
Adaptive Sync	FreeSync Premium Pro
Connectivity	2x HDMI 2.0, 2x DisplayPort 1.4, USB-C, USB-A (USB1, USB2, USB-UP), Headphone Jack
Ergonomics	Tilt, Height Adjustment, Pivot (Landscape/Portrait)

Feature	Detail
VESA Compatibility	100mm x 100mm
Product Dimensions	8.27 x 3.15 x 3.94 inches
Item Weight	9 pounds

8. WARRANTY AND SUPPORT

KTC offers comprehensive support for its products. The KTC H27T27 monitor comes with a **3-Year Warranty** (except for MegPad's 1-Yr warranty, which is not applicable to this model).
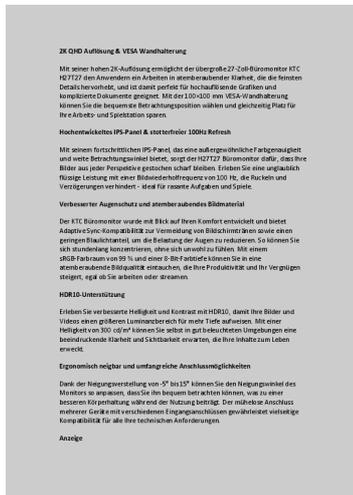
For any inquiries, technical assistance, or warranty claims, please contact KTC Customer Support. You can typically find contact information on the official KTC website or through the seller's platform where the product was purchased.

- **Quality Guarantee:** KTC ensures the quality of its products.
- **24/7 Fast Support:** Assistance is available around the clock.
- **Technical Support:** Dedicated support for technical issues.

For more information, visit the official KTC Store: KTC Store on Amazon.

Documents - KTC – H27T27

[pdf] User Manual

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