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> KTC 27 Inch 4K Gaming Monitor, UHD 160Hz/144Hz 1ms Fast IPS Monitor, Freesync/G-Sync, HDR400, 132% sRGB, HDMI DisplayPort, VESA, Tilt/Height/Pivot Adjustable, H27P22S 27-inch UHD FastIPS 160Hz Black

KTC H27P22SS

KTC 27-inch 4K Gaming Monitor User Manual

Model: H27P22SS

INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your KTC 27-inch 4K Gaming Monitor (Model H27P22SS). Please read this manual thoroughly before using the product to ensure optimal performance and safety.

WHAT'S IN THE BOX

- Monitor x1
- Base Set x1
- DP Cable x1
- Adaptor x1 + Power Cord x1
- Screwdriver x1

SETUP

Physical Assembly

Attach the stand to the monitor using the provided screws and screwdriver. Ensure it is securely fastened. The monitor also supports VESA 100x100mm mounting for alternative setups.



Image: Front view of the KTC 27-inch 4K Gaming Monitor with its stand.

Connecting Your Monitor

The monitor features multiple input ports for versatile connectivity.

- DC Power Input
- USB 2.0 Port (for firmware upgrades or peripherals)
- HDMI 2.1 x2 (supports 4K@160Hz)
- DisplayPort 1.4 x2 (supports 4K@160Hz)
- Headphone Jack

Connect the provided DP cable to your computer's graphics card and the monitor's DisplayPort input for optimal performance, especially for 4K resolution at 160Hz. Alternatively, use an HDMI 2.1 cable.



Image: Rear view of the monitor highlighting the DC power, USB 2.0, HDMI 2.1, DisplayPort 1.4, and Headphone Jack ports. It also illustrates the tilt, pivot, and swivel adjustments.

OPERATING THE MONITOR

Power On/Off and OSD Navigation

The monitor's controls are managed via a joystick located on the back right corner.

- Press and hold the joystick for 3 seconds to power the monitor on or off.
- Press the joystick briefly to access the On-Screen Display (OSD) menu.
- Use the joystick to navigate through menu options (up, down, left, right) and press to select.

Key Features and Adjustments

High Refresh Rate and Fast Response

Experience ultra-smooth gameplay with a 160Hz refresh rate (supports 144Hz for PC gaming) and a rapid 1ms GTG response time.

160Hz Refresh Rate

Smooth gaming experience



160Hz

60Hz

Image: Visual comparison demonstrating the smoothness of a 160Hz refresh rate versus 60Hz.

Adaptive Sync Technology

The monitor is compatible with FreeSync and G-Sync technologies, eliminating screen tearing and stuttering for a fluid gaming experience.

FreeSync Compatible

Tear-free gaming



OFF

ON

Image: Illustrates the difference between FreeSync/G-Sync enabled (smooth image) and disabled (screen tearing).

Stunning Visuals

Enjoy vivid images with 4K UHD (3840 x 2160) resolution, HDR400 support, and a wide 132% sRGB color gamut, delivering brilliant and accurate colors. The Fast IPS panel ensures clear picture quality and wide viewing angles.

Vibrant Colors

HDR400 & 132% sRGB color gamut volume



Image: A vibrant scene displayed on the monitor, highlighting HDR400 and 132% sRGB color gamut.

Clear Picture Quality

Fast IPS panel and 3840x2160 high resolution capture perfect



Image: Three monitors displaying a consistent, clear image, emphasizing the Fast IPS panel and 4K UHD resolution.

Ergonomic Adjustments

Customize your viewing experience for maximum comfort. The monitor stand allows for Tilt (-5° to $+20^{\circ}$), Height, Pivot ($\pm 90^{\circ}$), and Swivel ($\pm 45^{\circ}$) adjustments.

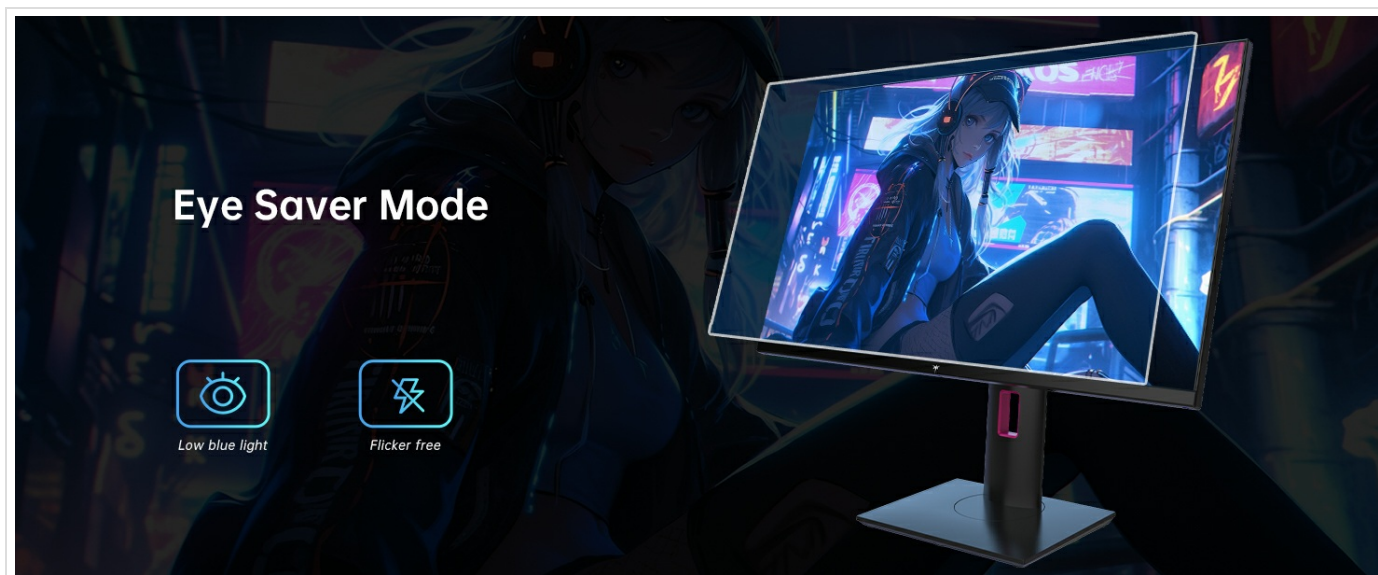


Image: A diagram illustrating the full range of ergonomic adjustments available for the monitor, including tilt, height, pivot, and swivel.

Eye Care Technology

The monitor incorporates Low Blue Light and Flicker-free technologies to reduce eye strain during prolonged use, ensuring a more comfortable viewing experience.

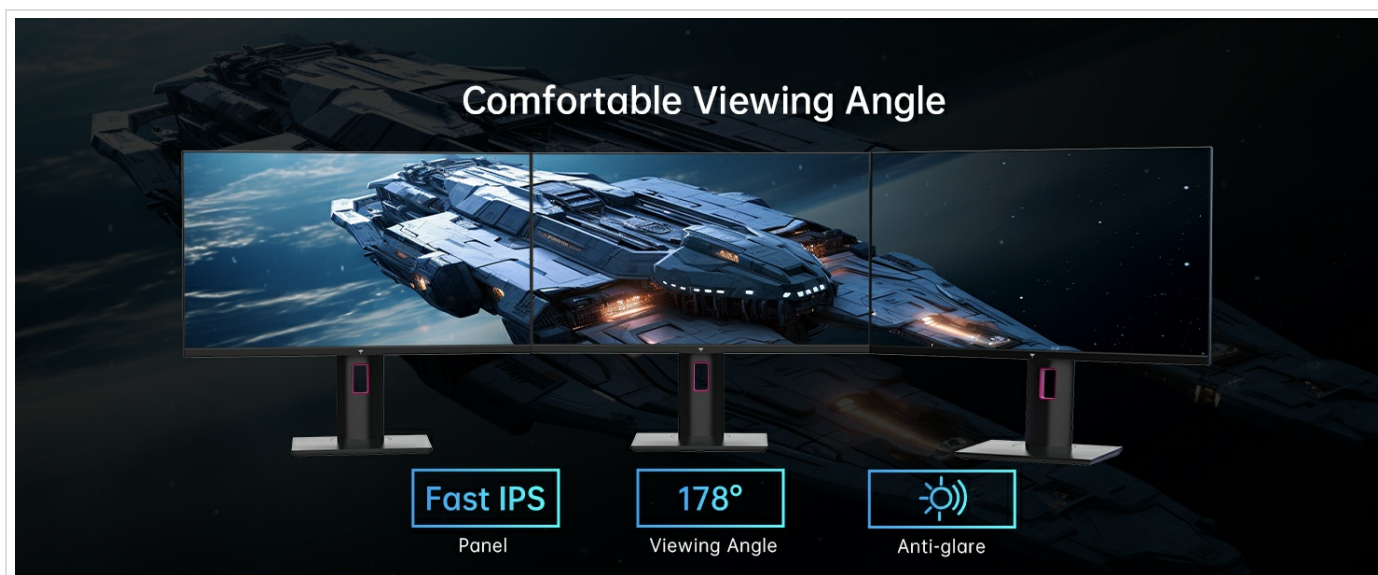


Image: A visual representation of the monitor's Eye Saver Mode, highlighting low blue light and flicker-free features.

Product Video

Watch this official product video for a visual guide to the KTC 27-inch 4K Gaming Monitor (H27P22S).

Your browser does not support the video tag.

Video: An official KTC video showcasing the features and design of the H27P22S 27-inch 4K Gaming Monitor.

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, slightly dampen the cloth 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 abrasive cleaners.
- **Ventilation:** Ensure the ventilation openings on the monitor are not blocked to prevent overheating.
- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place away from direct sunlight and

extreme temperatures.

TROUBLESHOOTING

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

- **No Power:**
 - **Check the power cable:** Ensure the power adapter is securely connected to both the monitor and a working power outlet.
 - **Power Button:** Press and hold the joystick (power button) for 3 seconds to ensure the monitor is powered on.
- **No Signal / Black Screen:**
 - **Input Source:** Verify that the correct input source (HDMI, DisplayPort) is selected in the OSD menu.
 - **Cable Connection:** Ensure the video cable (DP or HDMI) is securely connected to both the monitor and your computer's graphics card. Try a different cable if available.
 - **Computer Output:** Check your computer's display settings to ensure it is configured to output to the correct monitor and resolution.
- **Flickering or Distorted Image:**
 - **Cable Check:** A loose or faulty video cable can cause flickering. Reconnect or replace the cable.
 - **Refresh Rate:** Ensure your graphics card drivers are up to date and the refresh rate is set correctly in your operating system's display settings.
 - **Adaptive Sync:** If experiencing issues with FreeSync/G-Sync, try disabling it in the OSD menu or your graphics card control panel to see if the problem persists.
- **Dead Pixels:**
 - **Pixel Policy:** KTC has an explicit pixel guarantee. Please refer to the official KTC website or contact customer support for their specific pixel policy regarding warranty claims.
- **No Audio from Headphone Jack:**
 - **Volume:** Check the volume settings on both your monitor's OSD and your computer.
 - **Headphone Connection:** Ensure your headphones are fully plugged into the headphone jack.
 - **Audio Output Device:** Verify that the monitor is selected as the audio output device in your computer's sound settings.

SPECIFICATIONS

Feature	Detail
Model	H27P22SS
Screen Size	27 Inches
Resolution	4K UHD (3840 x 2160 Pixels)
Refresh Rate	160Hz (supports 144Hz)
Response Time	1ms Fast IPS

Feature	Detail
Panel Type	Fast IPS
HDR Support	HDR400
Color Gamut	132% sRGB
Contrast Ratio	1000:1
Adaptive Sync	FreeSync/G-Sync Compatible
Connectivity	HDMI 2.1 x2, DisplayPort 1.4 x2, USB 2.0 x1, Headphone Jack x1
Ergonomics	Tilt/Height/Pivot/Swivel Adjustable
VESA Mount	100mm x 100mm
Dimensions (LxWxH)	7.09 x 30.7 x 19.09 inches
Item Weight	18.26 pounds
Country of Origin	China

WARRANTY AND SUPPORT

Warranty Information

KTC monitors typically come with a **three-year warranty**. For specific warranty terms and conditions, please refer to the official KTC website or contact their customer service.

Customer Support

For further assistance, technical support, or warranty claims, please visit the official KTC Brand Store on Amazon or refer to the user guide PDF.

- Official KTC Brand Store: [KTC Store](#)
- User Guide (PDF): [Download PDF](#)

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Question

Example: How do I reset this device or fix this error?

Details

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