

KTC H27T22C-3

KTC H27T22C-3 27-Inch QHD Gaming Monitor User Manual

Model: H27T22C-3

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your KTC H27T22C-3 27-inch QHD Gaming Monitor. Please read this manual thoroughly before using the product and retain it for future reference. The KTC H27T22C-3 monitor features a 27-inch QHD (2560x1440) Fast IPS panel, offering a high refresh rate of up to 210Hz and a 1ms response time for a smooth gaming experience. It supports HDR400, Adaptive Sync, and includes built-in speakers, along with flexible connectivity options.

2. SAFETY INFORMATION

- Always place the monitor on a stable, flat surface to prevent it from falling.
- Do not block ventilation openings. Ensure adequate space around the monitor for proper airflow.
- Use only the power adapter and cables supplied by the manufacturer.
- Keep the monitor away from water, moisture, and direct sunlight.
- Avoid placing heavy objects on the power cord or monitor.
- If smoke, strange noises, or odors occur, immediately unplug the monitor and contact customer support.
- Do not attempt to disassemble or repair the monitor yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package. If any items are missing or damaged, please contact your retailer.

- Monitor x 1
- Stand x 1
- Warranty Card x 1
- Adaptor x 1
- Power Cord x 1

- 1.5m DP Cable x 1
- Screwdriver x 1
- Screw x 3



Image: Package Contents. This image displays the KTC H27T22C-3 monitor alongside its included accessories: the monitor stand, power adapter, power cord, DisplayPort cable, screwdriver, and screws.

4. MONITOR OVERVIEW

4.1 Front View

The front of the monitor features the 27-inch QHD display with narrow bezels. The KTC logo is centered at the bottom bezel.

4.2 Rear View and Ports

The rear of the monitor houses all connectivity ports and the joystick for OSD navigation.

Ergonomic Tilt & Versatile Connection



Image: Rear View and Connectivity. This image shows the back of the KTC H27T22C-3 monitor, highlighting the input/output ports and the ergonomic tilt adjustment range. Ports include DC power input, USB 2.0 (for upgrades), two HDMI 2.0 ports, two DisplayPort 1.4 ports, and an earphone jack. A joystick for OSD control is also visible.

Available Ports:

- **DC IN:** Power input.
- **USB 2.0:** For firmware upgrades only.
- **HDMI 2.0 (x2):** Supports up to 2560x1440 at 144Hz.
- **DisplayPort 1.4 (x2):** Supports up to 2560x1440 at 200Hz (overclockable to 210Hz).
- **Earphone Port:** 3.5mm audio output.

5. SETUP

5.1 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. Align the assembled stand with the mounting slot on the back of the monitor and secure it firmly.

5.2 VESA Mounting (Optional)

The monitor supports 100x100mm VESA mounting. If using a VESA mount, remove the stand and attach the VESA compatible bracket to the monitor using appropriate screws (not included with VESA mount).

5.3 Connecting to a Computer

1. Ensure both the monitor and your computer are powered off.
2. Connect one end of the provided DisplayPort cable (or an HDMI cable) to the corresponding port on your computer's graphics card.
3. Connect the other end of the cable to a DisplayPort 1.4 or HDMI 2.0 port on the monitor. For optimal performance (200Hz/210Hz), use DisplayPort.
4. If desired, connect headphones or external speakers to the 3.5mm earphone port on the monitor.

5.4 Power Connection

1. Connect the power adapter to the DC IN port on the monitor.
2. Plug the power cord into the power adapter, then plug the other end of the power cord into a grounded electrical outlet.

6. OPERATING

6.1 Powering On/Off

Press the joystick button located on the rear of the monitor to power it on or off.

6.2 On-Screen Display (OSD) Navigation

The monitor's settings are controlled via a joystick located on the rear. Press the joystick to access the OSD menu. Move the joystick up/down/left/right to navigate through menu options and adjust settings.

6.3 Key Features and Settings

Adjust these settings via the OSD menu to optimize your viewing experience.

- **Refresh Rate:** The monitor supports a native 200Hz refresh rate, overclockable to 210Hz via DisplayPort. Ensure your graphics card settings are configured to utilize the highest refresh rate.

Improves Your Gaming Level

210Hz refresh rate and 1ms response time can improve your gaming experience. Suitable for fast-paced game types such as FPS and RTS



Image: High Refresh Rate and Response Time. This image illustrates the monitor's capability for 210Hz overdrive refresh rate and 1ms GtG response time, crucial for fast-paced gaming.

- **Resolution:** The native resolution is QHD (2560x1440). For the clearest image, always use the native resolution.

2K Fast IPS Panel

Immerse yourself in seamless gaming with fast IPS panel. QHD screen brings unprecedented visual experience to enhances your gaming level



Image: QHD Resolution. This image demonstrates the visual difference between QHD (2560x1440) and FHD (1920x1080) resolutions on the monitor, highlighting the superior clarity of QHD.

- **HDR400:** Enable HDR in your operating system and monitor OSD settings for enhanced contrast and color depth in compatible content.

HDR400 Technology



Image: HDR400 Technology. This image visually compares a scene with and without HDR400 enabled, illustrating how HDR400 improves brightness, contrast, and detail in both dark and bright areas.

- **Adaptive Sync:** This technology synchronizes the monitor's refresh rate with your graphics card's frame rate to eliminate screen tearing and stuttering. Enable it in the OSD and your graphics card control panel.

FreeSync Technology



Image: Adaptive Sync (FreeSync) Technology. This image shows a side-by-side comparison of a fast-moving scene with Adaptive Sync OFF and ON, demonstrating how it eliminates screen tearing for a smoother visual experience.

- **Low Blue Light Mode:** Reduces blue light emissions to minimize eye strain during prolonged use. Activate this feature in the OSD.
- **Flicker-Free Technology:** This monitor incorporates flicker-free technology to reduce eye fatigue.
- **Built-in Speakers:** The monitor includes 2x2W speakers. Audio output can also be routed through the earphone port.

Eye Saver Mode

Low blue light mode greatly reduces eye fatigue,
flicker-free technology making your vision more comfortable



Image: Eye Comfort Features and Audio. This image highlights the monitor's Eye Saver Mode (Low Blue Light), Flicker-Free technology for reduced eye fatigue, and the integrated 2x2W speakers.

- **Color Gamut:** The monitor offers 99% sRGB color gamut and 1.07 billion colors for accurate and vivid color reproduction.

Wide Color Gamut Brings Vivid Colors

99% sRGB color gamut makes the colors more realistic and refined



Image: Vivid Color Display. This image showcases the monitor's display quality, emphasizing its 99% sRGB color gamut, support for 1.07 billion colors, 450 cd/m² brightness, and 1000:1 contrast ratio.

7. MAINTENANCE

7.1 Cleaning the Monitor

- Always unplug the monitor before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using alcohol, ammonia, or abrasive cleaners, as they may damage the screen surface.

7.2 General Care

- Avoid touching the screen with sharp objects.
- Do not place the monitor in direct sunlight or near heat sources.
- When moving the monitor, hold it by the base or edges, not by the screen.

8. TROUBLESHOOTING

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

Problem	Possible Solution
No power	Ensure the power cord is securely connected to the monitor and a working electrical outlet. Check the power adapter.
No image / "No Signal" message	Verify that the video cable (DisplayPort/HDMI) is securely connected to both the monitor and the computer. Ensure the correct input source is selected in the OSD. Check if the computer is powered on and not in sleep mode.
Image is blurry or distorted	Ensure the monitor is set to its native resolution (2560x1440). Check the video cable for damage.
Screen tearing or stuttering	Ensure Adaptive Sync is enabled in both the monitor OSD and your graphics card control panel. Update graphics drivers.
No sound from speakers/earphone port	Check the volume settings on the monitor and your computer. Ensure the audio output device is correctly selected in your computer's sound settings.
Monitor flickers	Ensure the refresh rate is set correctly. Check for external interference. If using an older cable, try a new DisplayPort or HDMI cable.

9. SPECIFICATIONS

Feature	Specification
Model	H27T22C-3
Screen Size	27 Inches
Panel Type	Fast IPS
Resolution	QHD (2560x1440)
Aspect Ratio	16:9
Refresh Rate	200Hz (210Hz Overclock via DP)
Response Time	1ms (GtG)
Brightness	450 cd/m ²
Color Gamut	99% sRGB
Color Depth	1.07 Billion Colors
HDR Support	HDR400

Feature	Specification
Viewing Angle	178° (H/V)
Adaptive Sync	Yes
Built-in Speakers	2 x 2W
Connectivity	2x HDMI 2.0, 2x DisplayPort 1.4, 1x USB 2.0 (Upgrade), 1x Earphone Port
Tilt Adjustment	-5° to 15°
VESA Compatibility	100x100mm
Eye Care Features	Low Blue Light, Flicker-Free

10. WARRANTY AND SUPPORT

KTC monitors come with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty duration and coverage details.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact KTC customer service through the official KTC website or your retailer.

Please have your monitor model number (H27T22C-3) and purchase information ready when contacting support.