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› KTC H24T7 24-inch QHD 180Hz Fast IPS Gaming Monitor User Manual

KTC H24T7

KTC H24T7 24-inch QHD 180Hz Fast IPS Gaming Monitor User Manual

Model: H24T7

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KTC H24T7 24-inch QHD 180Hz Fast IPS Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage.



Image: Front and rear view of the KTC H24T7 monitor, highlighting its 23.8-inch display, 180Hz refresh rate, Fast IPS panel, HDR400 support, and 1ms response time.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your product packaging:

- KTC H24T7 24-inch QHD Monitor (x1)
- Monitor Stand (x1)
- DisplayPort (DP) Cable (x1)
- Power Adaptor (x1)
- Quick Start Guide (QSG) (x1)

3. PRODUCT OVERVIEW

3.1. Monitor Ports

The monitor is equipped with various ports for connectivity. Refer to the image below for port locations.

Multiple Connections for Your Choice

HDMI and DP ports meet your gaming needs.
Give you unlimited possibilities



Image: Rear view of the KTC H24T7 monitor showing available input and output ports.

- **Earphone Jack:** For audio output.
- **USB 2.0 (Upgrade Only):** For firmware updates.
- **DP1.4 Port:** Supports up to 180Hz (overclockable to 185Hz) at QHD resolution.
- **HDMI 2.0 Ports (x2):** Supports up to 144Hz at QHD resolution.

3.2. Monitor Controls

The monitor features intuitive controls, typically located on the rear or bottom right side, to navigate the On-Screen Display (OSD) menu and adjust settings.

4. SETUP

4.1. Stand Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck, securing it with the provided screw.
3. Align the assembled stand with the VESA mounting holes on the back of the monitor and secure it firmly.

The monitor also supports VESA mount (100x100mm) for alternative mounting solutions.

4.2. Connecting to a Computer

1. Ensure both the monitor and your computer are powered off.
2. Connect one end of the DisplayPort (DP) cable to the DP1.4 port on the monitor and the other end to the DisplayPort output on your computer's graphics card. Alternatively, use an HDMI cable to connect to one of the HDMI 2.0 ports.
3. Connect the power adaptor to the monitor's power input and then plug it into a power outlet.
4. Power on your computer, then power on the monitor.

4.3. Adjusting the Monitor Position

The monitor stand allows for various adjustments to optimize your viewing experience:

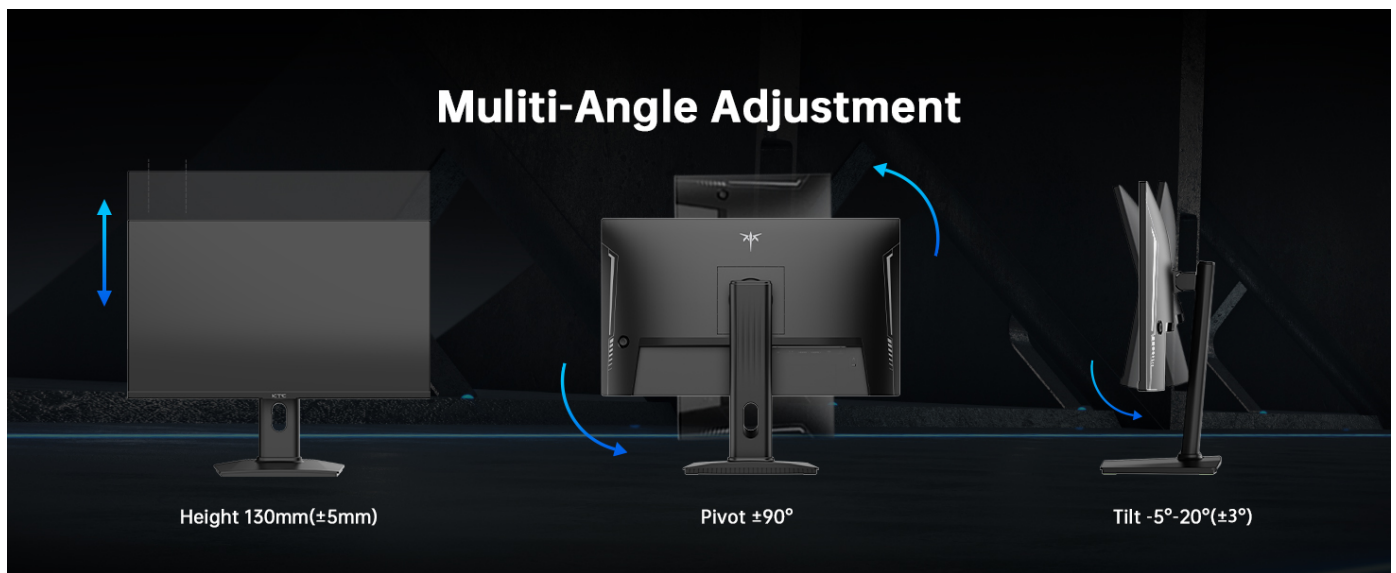


Image: Diagram illustrating the height, pivot, and tilt adjustments of the KTC H24T7 monitor stand.

- **Tilt:** Adjust the screen angle from -5° to 20°.
- **Pivot:** Rotate the screen 90° (±5°) for portrait mode.
- **Height:** Adjust the screen height by 110mm (±5mm).

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

Press the power button, usually located on the rear or bottom of the monitor, to turn the monitor on or off. The power indicator light will illuminate when the monitor is on.

5.2. On-Screen Display (OSD) Menu

Use the monitor's control buttons to access and navigate the OSD menu. The OSD allows you to adjust various display settings.

- **Picture Settings:** Brightness, Contrast, Sharpness, Color Temperature.
- **Color Gamut:** 99% sRGB coverage, 1.07 Billion colors (8bit+FRC) for accurate color reproduction.

Vibrant Colour Details for Combat



99% sRGB
Color Gamut Coverage



400cd/m²



1.07 Billion colors
(8bit+FRC)



$\Delta E < 2$
Color Accuracy



Image: Visual representation of the monitor's color capabilities, including 99% sRGB, 400cd/m² brightness, 1.07 billion colors, and a color accuracy of $\Delta E < 2$.

- **Input Source:** Select between DP1.4, HDMI1, or HDMI2.
- **Audio Settings:** Adjust volume for the earphone jack.
- **Gaming Features:**
 - **Refresh Rate:** The monitor supports a 180Hz refresh rate, overclockable to 185Hz via DisplayPort. This provides smoother motion in fast-paced content.

React in Real Time

DP interface supports 180Hz,overclockable to 185Hz



Image: Graphic illustrating the monitor's 185Hz refresh rate and 1ms response time for real-time reaction.

- **Response Time:** Features a 1ms response time to minimize motion blur and ghosting.
- **Adaptive-Sync (G-Sync/FreeSync Compatible):** Enable this feature to synchronize the monitor's refresh rate with your graphics card's frame rate, eliminating screen tearing and stuttering.

FreeSync Function



Image: Comparison showing screen tearing with FreeSync OFF versus smooth display with FreeSync ON.

- **HDR400:** High Dynamic Range support for enhanced contrast and color depth.

HDR400 Support



Image: Visual comparison demonstrating the improved dynamic range with HDR400 enabled.

- **Game Modes:** Pre-set display modes (e.g., FPS, RTS, Racing) optimized for different game genres.
- **Crosshair/Timer/Black Level Adjustment:** Additional gaming aids.

- **Eye Care Features:**

- **Low Blue Light:** Reduces harmful blue light emissions to minimize eye strain during extended use.
- **Flicker-Free:** Eliminates screen flickering for a more comfortable viewing experience.

Boost More, Release More



Image: Icons representing 400 NITS brightness, Flicker-Free technology, and Low Blue Light feature.

- **Picture Modes:** Switch between GAME, MOVIE, PHOTO, and STANDARD modes for optimized viewing based on content.

Switch freely among the four setting modes of GAME, MOVIE, PHOTO, and STANDARD. Whether for office use or entertainment, this monitor caters to your various requirements.

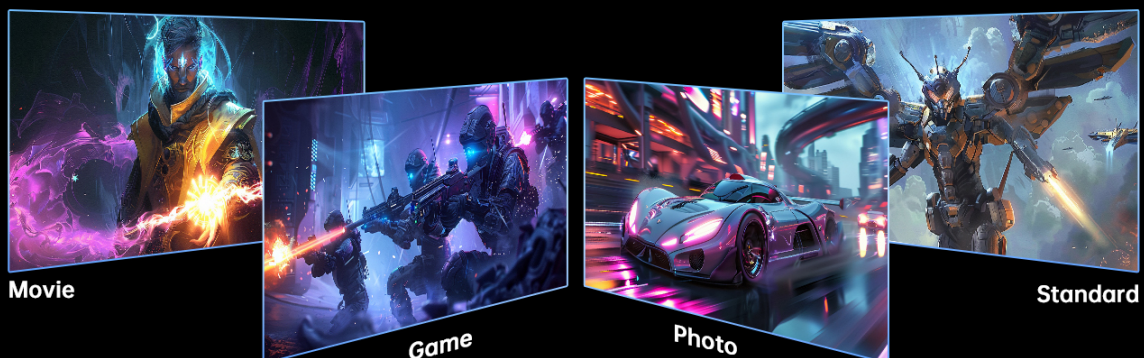


Image: Four distinct scenes representing the Movie, Game, Photo, and Standard picture modes available on the

6. 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, lightly dampen the cloth with water or a non-ammonia, non-alcohol based screen cleaner. Do not spray cleaner directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid abrasive cleaners.
- **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.

7. TROUBLESHOOTING

If you encounter issues with your KTC H24T7 monitor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Video cable disconnected; Incorrect input source selected.	Ensure power and video cables are securely connected. Select the correct input source via the OSD menu.
Image is blurry or distorted	Incorrect resolution setting; Video cable issue.	Set the display resolution to 2560x1440. Check or replace the video cable.
Screen tearing or stuttering	Adaptive-Sync not enabled; Graphics card not compatible or drivers outdated.	Enable Adaptive-Sync in the OSD menu and your graphics card settings. Update graphics drivers.
Ghosting or motion blur	Overdrive settings too high; Response time setting.	Adjust the Overdrive setting in the OSD menu. Some users find "Dynamic" or "Off" settings work best.
Monitor flickering	Flicker-Free feature not active; Cable issue; Graphics card issue.	Ensure Flicker-Free is enabled (it usually is by default). Check video cable connection. Test with another device if possible.
No audio from earphone jack	Volume too low; Incorrect audio output selected on computer.	Adjust monitor volume via OSD. Ensure the monitor is selected as the audio output device in your computer's sound settings.

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

8. SPECIFICATIONS

Key technical specifications for the KTC H24T7 monitor:

Feature	Detail
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Feature	Detail
Model Number	H24T7
Screen Size	23.8 Inches
Panel Type	Fast IPS
Resolution	QHD (2560 x 1440 Pixels)
Aspect Ratio	16:9
Refresh Rate	180Hz (up to 185Hz via DP)
Response Time	1ms
Brightness	400 Candela (cd/m²)
HDR Support	HDR400
Color Gamut	99% sRGB
Viewing Angle	178° (Horizontal/Vertical)
Adaptive Sync	G-Sync/FreeSync Compatible
Connectivity	1x DP1.4, 2x HDMI 2.0, 1x Earphone Jack, 1x USB 2.0 (Upgrade Only)
VESA Mount	100x100mm
Adjustments	Tilt (-5° to 20°), Pivot (90°±5°), Height (110±5mm)
Product Dimensions	7 x 21 x 18 inches
Item Weight	10.43 pounds

Great Angle, Ultimate Comfort



Image: Technical drawing showing the dimensions of the KTC H24T7 monitor in millimeters.

9. WARRANTY AND SUPPORT

KTC products are designed for reliability and performance. For warranty information, please refer to the warranty card included in your product packaging or visit the official KTC website. For technical assistance or customer support, please contact KTC Official through the Amazon platform or their official support channels.

You can typically find support by navigating to your order details on Amazon and selecting "Ask a question" to contact the seller, KTC-Official.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question