

KTC H24F7

KTC H24F7 24 Inch 240Hz Gaming Monitor User Manual

Model: H24F7

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. SETUP

1.1 Package Contents

Before assembly, please verify that all components are present in the package:

- KTC H24F7 24 Inch 240Hz Monitor
- Monitor Base
- Monitor Stand
- Power Adaptor
- HDMI Cable
- Quick Start Guide (QSG)

1.2 Assembly Instructions

Follow these steps to assemble your monitor:

1. Carefully remove the monitor and all components from the packaging.
2. Attach the monitor stand to the monitor base. Ensure it clicks securely into place.
3. Connect the assembled stand and base to the back of the monitor. The stand is designed for easy snap-in installation.
4. Place the monitor on a stable, flat surface.

Dimensions & Accessories

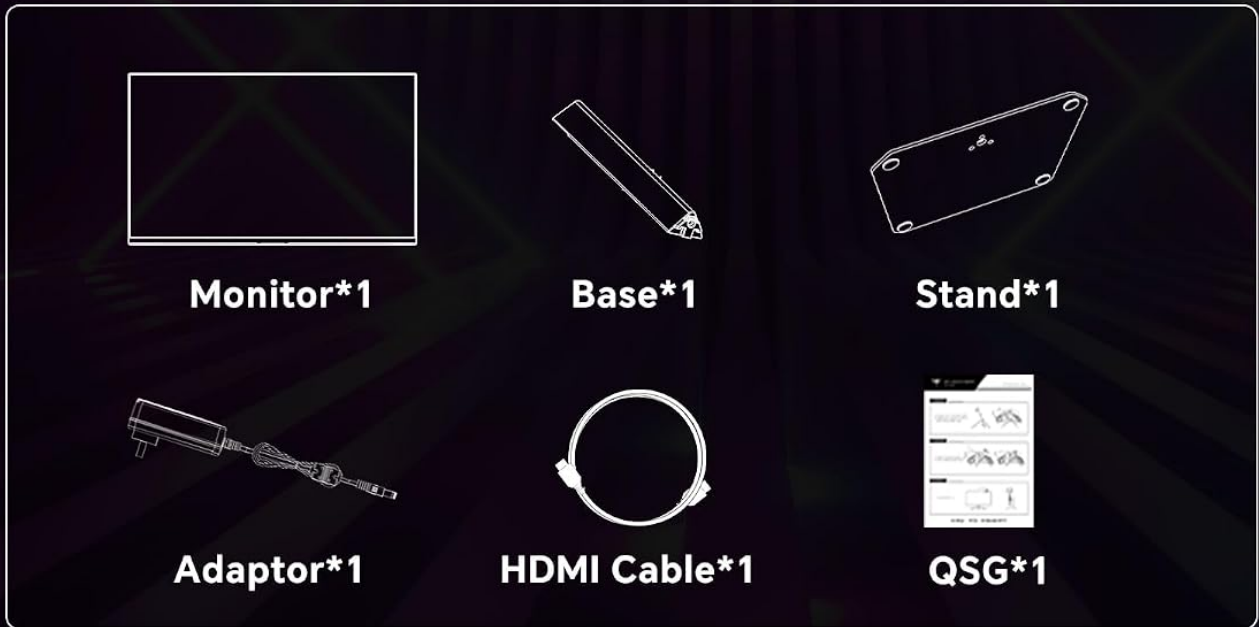
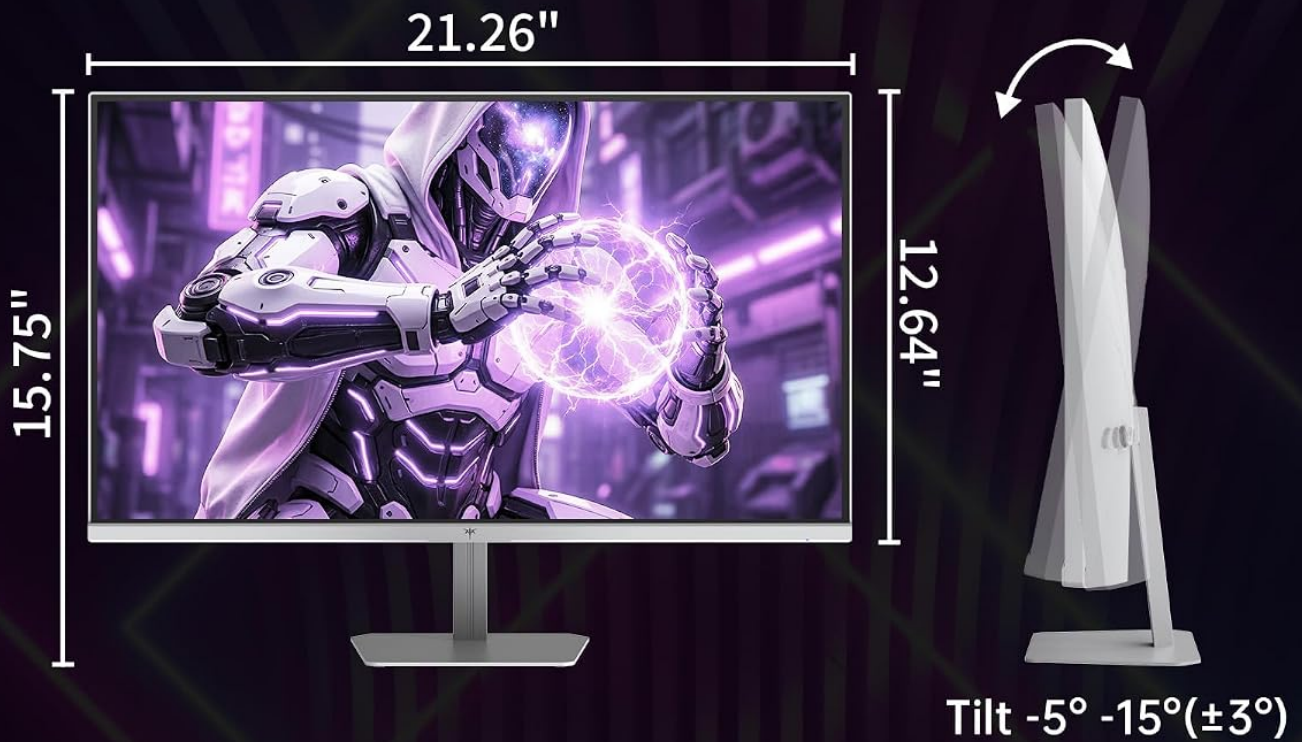


Figure 1: Monitor dimensions and included accessories. This image illustrates the monitor's physical dimensions and lists the items found in the box, including the monitor, base, stand, adaptor, HDMI cable, and Quick Start Guide.

1.3 VESA Mount Installation

The KTC H24F7 monitor supports VESA 100mm x 100mm mounting for alternative stand or wall mount solutions. Ensure you use M4-0.7 x 10mm screws (not included) for secure installation.

VESA 100mm×100mm



Figure 2: VESA mount compatibility. The image displays the back of the monitor, highlighting the 100mm x 100mm VESA mounting pattern for attaching to compatible arms or wall mounts.

1.4 Connecting to Devices

Connect your computer or other devices to the monitor using the appropriate cables.

- **HDMI:** Use an HDMI cable to connect to devices with HDMI output. The monitor has two HDMI 2.0 ports, supporting FHD at 240Hz.

- **DisplayPort:** Use a DisplayPort cable for devices with DisplayPort output. The monitor has one DisplayPort 1.4, supporting FHD at 240Hz.
- **Power:** Connect the power adaptor to the DC input on the monitor and then to a power outlet.
- **USB:** A USB 2.0 port is available for connecting peripherals.
- **Audio Out:** A 3.5mm audio jack is available for connecting headphones or external speakers.

Powerful Connectivity



Figure 3: Monitor connectivity ports. This diagram illustrates the various input and output ports on the monitor, including DC power, USB, HDMI 1, HDMI 2, DisplayPort, and a headphone jack.

2. OPERATING INSTRUCTIONS

2.1 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.

2.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the control buttons (typically located on the back or bottom of the monitor) to navigate the menu and select options. Refer to the Quick Start Guide for specific button functions.

2.3 Display Settings

Optimize your viewing experience by adjusting the following settings:

- **Refresh Rate:** The monitor supports a 240Hz refresh rate for smooth motion. Ensure your graphics card settings are configured to utilize this rate.

240Hz & 1ms (MPRT)

Fast and smooth, no screen blur



Figure 4: 240Hz Refresh Rate and 1ms MPRT. This image highlights the monitor's high refresh rate and fast response time, crucial for smooth gaming without screen blur.

- **Adaptive Sync:** This technology synchronizes the monitor's refresh rate with your graphics card's frame rate to eliminate screen tearing and stuttering. Enable Adaptive Sync in the OSD menu and ensure it is also enabled in your graphics card control panel (FreeSync/G-Sync compatible).

Adaptive Sync Tech

Stay sync without tearing, stuttering



Figure 5: Adaptive Sync Technology. This visual comparison demonstrates the difference between Adaptive Sync being enabled (smooth image) and disabled (screen tearing and stuttering).

- **HDR 400:** High Dynamic Range 400 provides enhanced contrast and color accuracy, delivering brighter highlights and deeper shadows. Activate HDR in the OSD menu and your operating system display settings for compatible content.

High Dynamic Range 400

See brighter highlights & deeper shadows



Figure 6: High Dynamic Range 400. This image illustrates the visual improvement with HDR 400 enabled, showing more vibrant colors and greater detail in both bright and dark areas.

- **Color Settings:** The monitor offers 116% sRGB color gamut and 16.7 million colors. Adjust brightness (up to 400 cd/m²) and color temperature through the OSD menu to suit your preference.

Vibrant Color Details for Combat

$\Delta E < 2$ color accuracy



116% sRGB
Color Gamut Area



16.7M
(8-bit) Colors



400cd/m²
Brightness

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Figure 7: Vibrant Color Details. This image highlights the monitor's color capabilities, including 116% sRGB color gamut, 16.7 million (8-bit) colors, and 400 cd/m² brightness.

- **Eye Care Technology:** The monitor features low blue light and flicker-free technology to reduce eye strain during prolonged use. These settings can typically be adjusted or enabled within the OSD menu.

Eye Care Tech

Low blue light & flicker-free



Figure 8: Eye Care Technology. This image illustrates the benefits of the monitor's eye care features, including low blue light and flicker-free operation, designed to reduce visual discomfort.

2.4 Monitor Tilt Adjustment

The monitor supports tilt adjustment from -5° to 15° ($\pm 3^{\circ}$). Gently adjust the monitor panel to your desired viewing angle.

Your browser does not support the video tag.

Video 1: KTC H24F7 24 Inch Gaming Monitor 240 Refresh Rate. This video demonstrates the monitor's features, including its 240Hz

3. MAINTENANCE

3.1 Cleaning the Monitor

To clean the monitor screen and casing:

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive screen cleaner.
- Wipe the screen gently to remove dust and smudges. Avoid applying excessive pressure.
- For the casing, use a dry, soft cloth. Do not use alcohol, ammonia, or abrasive cleaners, as these can damage the surface.

3.2 General Care

- Avoid placing heavy objects on the monitor or its cables.
- Do not expose the monitor to direct sunlight, excessive heat, or extreme cold.
- Keep the monitor away from liquids and high humidity.
- Ensure proper ventilation around the monitor to prevent overheating.

4. TROUBLESHOOTING

If you encounter issues with your KTC H24F7 monitor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Video cable disconnected or loose; Incorrect input source selected; Monitor is off.	Ensure power cable is securely connected and monitor is on. Check video cable connections (HDMI/DisplayPort) at both the monitor and computer. Press the input source button on the monitor to cycle through inputs.
Image flickering or tearing	Adaptive Sync not enabled; Graphics card driver issues; Faulty video cable.	Enable Adaptive Sync in the OSD menu and your graphics card control panel. Update graphics card drivers. Try a different video cable. If using DisplayPort 1, try DisplayPort 2 or HDMI if available, as some units may experience issues with specific ports.
Colors appear incorrect or washed out	Color settings incorrect; HDR not properly configured; Faulty video cable.	Adjust color settings (brightness, contrast, color temperature) in the OSD menu. Ensure HDR is enabled in both the OSD and your operating system for HDR content. Try a different video cable.
Monitor not reaching 240Hz	Graphics card limitations; Incorrect display settings in OS; Cable bandwidth limitations.	Ensure your graphics card supports 240Hz at 1080p. Verify display settings in your operating system (e.g., Windows Display Settings or NVIDIA/AMD control panel) are set to 240Hz. Use the provided HDMI cable or a certified DisplayPort 1.4 cable.
Stuck or dead pixels	Manufacturing defect.	A small number of stuck or dead pixels (typically 1-3) may be considered normal for LCD panels. If the issue is severe or persistent, contact customer support.

5. SPECIFICATIONS

Feature	Detail
Brand	KTC
Model Number	H24F7
Screen Size	24 Inches
Resolution	FHD 1080p (1920 x 1080 Pixels)
Panel Type	Fast IPS
Refresh Rate	240 Hz
Response Time	1 Millisecond (MPRT)
Aspect Ratio	16:9
Brightness	400 Candela per Square Meter
Contrast Ratio	1000:1
Color Gamut	116% sRGB
HDR Support	HDR 400
Adaptive Sync	FreeSync, G-Sync Compatible
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, 1x USB 2.0, 1x Audio Out (3.5mm)
Eye Care Features	Low Blue Light, Flicker-Free, Anti-Glare Screen
Adjustments	Tilt (-5° to 15°)
VESA Mount	100mm x 100mm
Dimensions (D x W x H)	5.39"D x 21.25"W x 15.74"H
Item Weight	3.2 Kilograms
Color	White

6. WARRANTY & SUPPORT

6.1 Warranty Information

The KTC H24F7 monitor comes with a **three-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use.

Please retain your proof of purchase for warranty claims.

6.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your KTC H24F7 monitor, please contact KTC customer support. KTC aims to provide responsive customer support and typically responds within 12 hours.

You can usually find contact information on the official KTC website or through the retailer where you purchased the product.

When contacting support, please have your monitor model number (H24F7) and purchase details ready.



