

KTC M27T20

KTC M27T20 27-inch 2K Mini-LED Computer Monitor Instruction Manual

Model: M27T20 | Brand: KTC

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your KTC M27T20 27-inch 2K Mini-LED Computer Monitor. Please read this guide thoroughly before using the product and retain it for future reference.

2. PRODUCT FEATURES

- 27-inch QHD (2560x1440) Display:** Offers crisp and detailed visuals.
- Mini-LED Backlight:** Features 576 zones and 2304 LEDs for precise local dimming, enhancing contrast and black levels.
- 165Hz Refresh Rate:** Provides ultra-fast and fluid motion for gaming and dynamic content.
- 1ms (MPRT) Response Time:** Minimizes motion blur and ghosting for clear, sharp images.
- HDR 1000 Certification:** Delivers stunning details with high brightness (1000 nits peak) and a 1,000,000:1 contrast ratio.
- Quantum Dot Technology:** Achieves wide color gamut coverage (93% DCI-P3, 150% sRGB) for vibrant and accurate colors.
- Flexible Connectivity:** Includes 2x HDMI 2.0, 1x DisplayPort 1.4, 1x Type-C (90W reverse charging), and USB 3.0 ports.
- Built-in KVM Switch:** Allows control of multiple devices with a single keyboard and mouse setup.
- Ergonomic Stand:** Offers tilt, swivel, height, and pivot adjustments for optimal viewing comfort.
- GameAssist Mode:** Features like Black Equalizer, FPS Counter, and Crosshair for enhanced gaming.
- Less Blue Light, No Flicker:** Reduces eye strain during prolonged use.

3. PACKAGE CONTENTS

Please ensure all items are present and undamaged upon unpacking:

- Monitor x 1
- Stand x 1 set (includes Neck and Base)
- Warranty Card x 1
- Quick Start Guide (QSG) x 1
- User Guide x 1

- Color Correction Report x 1
- Power Adapter x 1
- Power Cord x 1
- DisplayPort (DP) Cable x 1
- HDMI Cable x 1
- USB-B to USB-A Cable x 1



Image: All components included in the KTC M27T20 monitor package, laid out for inspection.

4. SETUP AND INSTALLATION

4.1 Stand Assembly

The monitor stand features a tool-less design for easy assembly.

1. Insert the neck into the base and secure it with the captive screw at the bottom of the base.
2. Align the top of the assembled stand with the mounting slot on the back of the monitor panel.
3. Gently push the stand into the slot until it clicks securely into place.

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Video: A demonstration of the tool-less stand installation process for the KTC monitor, showing how to attach the neck to the base and then to the monitor panel.

4.2 Wall Mounting (VESA Compatible)

The KTC M27T20 monitor supports VESA mounting with a 100mm x 100mm pattern. To wall mount:

1. Remove the pre-assembled stand by pressing the quick-release button (if applicable) or unscrewing it from the monitor back.
2. Attach your VESA-compatible wall mount or arm to the monitor using appropriate screws (not included).
3. Ensure the mount is securely fastened to the wall or desk according to the mount manufacturer's instructions.

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Video: A visual guide demonstrating the VESA mounting capabilities of the KTC monitor, showing the removal of the standard stand and attachment to an alternative mount.

5. CONNECTIVITY

The KTC M27T20 offers a variety of input and output ports for versatile connectivity:

- **2x HDMI 2.0 Ports:** Connect to gaming consoles (PS5, Xbox Series X), Blu-ray players, or other HDMI-enabled devices.

- **1x DisplayPort 1.4:** Ideal for connecting to PCs for high refresh rate and resolution.
- **1x Type-C Port (90W PD):** Connect compatible laptops for video, data, and power delivery (up to 90W reverse charging).
- **3x USB 3.0 Ports (1x Upstream, 2x Downstream):** For connecting peripherals like keyboards, mice, and USB drives.
- **1x Earphone Jack:** Connect headphones or external speakers.
- **DC 24V Power Input:** For connecting the provided power adapter.



Image: Rear view of the KTC M27T20 monitor displaying all available input and output ports for various devices.

5.1 KVM Switch Functionality

The built-in KVM switch allows you to control multiple devices (e.g., PC, laptop) connected to the monitor using a single set of keyboard and mouse. Connect your keyboard and mouse to the USB 3.0 downstream ports on the monitor, and connect your devices to the respective video inputs and the USB-B upstream port.



Image: Diagram illustrating the setup of the KVM switch function, connecting multiple devices to the monitor for shared peripheral control.

6. ADJUSTABILITY AND ERGONOMICS

The KTC M27T20 monitor stand offers comprehensive ergonomic adjustments to optimize your viewing experience:

- **Height Adjustment:** Raise or lower the monitor to eye level.
- **Tilt:** Adjust the screen angle forwards or backwards to reduce glare and find a comfortable viewing position.
- **Swivel:** Rotate the monitor left or right without moving the base, ideal for sharing your screen.
- **Pivot:** Rotate the screen 90 degrees for portrait mode viewing, useful for coding, reading, or social media.

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Video: A demonstration of the monitor's fully adjustable ergonomic stand, showcasing height, tilt, swivel, and pivot functionalities.

7. DISPLAY MODES AND SETTINGS

The monitor features various display modes and settings accessible via the OSD (On-Screen Display) menu, typically

controlled by buttons or a joystick on the monitor.

- **Mini-LED Backlight with Local Dimming:** The 576 local dimming zones provide deeper blacks and brighter whites.
- **HDR 1000:** Certified for high dynamic range content, offering superior contrast and color.
- **Quantum Dot Technology:** Enhances color accuracy and vibrancy.
- **GameAssist Mode:** Access features like Black Equalizer to brighten dark areas, an FPS Counter, and a Crosshair overlay.
- **Freesync & G-Sync Compatible:** Synchronizes the display's refresh rate with your GPU's frame rate to eliminate screen tearing and stuttering.
- **Less Blue Light, No Flicker:** Reduces eye strain during prolonged use.



Image: VESA Certified DisplayHDR 1000 logo, indicating the monitor's high dynamic range capabilities.

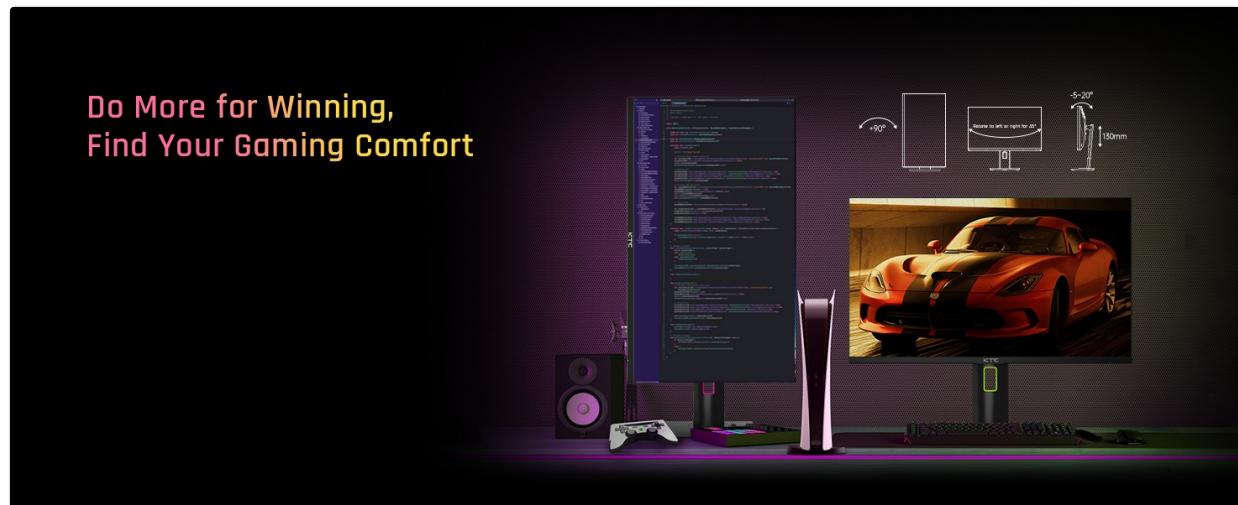


Image: Visual representation of the GameAssist Mode features, including Black Equalizer, FPS Counter, and Crosshair.

8. SPECIFICATIONS

| Feature | Specification |
|---------------|------------------------------|
| Screen Size | 27 Inches |
| Resolution | 2560 x 1440 (QHD Wide 1440p) |
| Aspect Ratio | 16:9 |
| Refresh Rate | 165Hz |
| Response Time | 1ms (MPRT) |

| Feature | Specification |
|------------------------|---|
| Backlight Technology | Mini-LED (576 Zones, 2304 LEDs) |
| HDR Certification | DisplayHDR 1000 |
| HDR Peak Brightness | 1000 cd/m ² |
| SDR Typical Brightness | 350 cd/m ² |
| HDR Contrast Ratio | 1,000,000:1 |
| Color Gamut | 93% DCI-P3, 150% sRGB |
| Connectivity | 2x HDMI 2.0, 1x DisplayPort 1.4, 1x Type-C (90W PD), 3x USB 3.0, 1x Earphone Jack |
| KVM Switch | Yes |
| Ergonomics | Height, Tilt, Swivel, Pivot |
| VESA Mount | 100mm x 100mm |
| Product Dimensions | 8.86 x 34.5 x 19.68 inches |
| Item Weight | 23.6 pounds |

9. TROUBLESHOOTING

If you encounter any issues with your KTC M27T20 monitor, please refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the monitor and a working power outlet. Check the power indicator light on the monitor.
- **No Signal:** Verify that the video cable (HDMI, DisplayPort, or Type-C) is correctly connected to both the monitor and your source device. Ensure the correct input source is selected in the monitor's OSD menu.
- **Flickering/Distorted Image:** Check the video cable for damage or loose connections. Try a different cable or input port. Ensure your graphics card drivers are up to date.
- **Color Issues:** Reset the monitor's display settings to factory defaults via the OSD menu. Check your graphics card color settings.
- **KVM Not Working:** Ensure all USB cables (upstream and downstream) are correctly connected. Verify the KVM function is enabled and configured in the OSD menu.

For more detailed troubleshooting, please consult the full User Guide included in your package or visit the KTC support website.

10. WARRANTY AND SUPPORT

Your KTC M27T20 monitor comes with a manufacturer's warranty. Please refer to the Warranty Card included in your package for specific terms and conditions.

For technical support, product inquiries, or warranty claims, please contact KTC customer service through the official KTC website or the contact information provided in your User Guide.



What 's in the box ?

- Monitor x 1
- Stand x 1 set
- Warranty Card x 1
- QSG x 1
- User Guide x 1
- Color Correction Report x 1
- Adapter x 1
- Power Cord x 1
- DP Cable x 1
- HDMI Cable x 1

Image: Visual guide on how to contact KTC Official for customer support via Amazon.