

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [KTC](#) /

› [KTC 27 Inch 4K Mini LED Monitor User Manual](#)

KTC M27P20 Pro

KTC 27 Inch 4K Mini LED Monitor User Manual

Model: M27P20 Pro

Brand: KTC

[Box](#) [Setup](#) [Operating](#) [Introduction](#) [What's in the](#)
[Maintenance](#) [Troubleshooting](#) [Specifications](#) [Support](#)

1. INTRODUCTION

Thank you for choosing the KTC 27 Inch 4K Mini LED Monitor, Model M27P20 Pro. This high-performance monitor is designed to provide an immersive visual experience for gaming, professional work, and multimedia consumption. Featuring a Fast IPS panel, HDR1000 support, and a high refresh rate, it delivers stunning clarity, vibrant colors, and smooth motion. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your new monitor.



Figure 1.1: Front view of the KTC 27 Inch 4K Mini LED Monitor.

2. WHAT'S IN THE BOX

Please verify that all components are present in the packaging:

- 27 inch 4K mini led monitor
- Stand Set
- HDMI Cable (1.5M/59")
- DP Cable (1.5M/59")
- Type C Cable (1.8M/70.87")

3. SETUP

3.1 Physical Setup and Ergonomic Adjustments

Assemble the monitor stand by following the instructions provided in the included Installation Manual. The quick-release stand allows for easy attachment and detachment. Once assembled, you can adjust the monitor to your preferred viewing angle for optimal comfort.

Abundant Connectivity & Ergonomic Base



Figure 3.1: The monitor offers extensive ergonomic adjustments including height (130mm), tilt (-5° to 20°), pivot ($\pm 90^\circ$), and swivel ($\pm 45^\circ$).

3.2 VESA Mounting

The monitor is VESA 100x100mm compatible, allowing you to mount it on a wall or an alternative monitor arm (sold separately). Ensure the VESA mount is securely attached to the monitor and the mounting surface.



Figure 3.2: Rear view of the monitor highlighting the VESA 100x100mm mounting points and RGB ambient lighting.

3.3 Connectivity

Connect your devices to the monitor using the available ports. The monitor features a comprehensive set of inputs for various devices.

- **USB Type-C (90W):** For video, data, and power delivery to compatible laptops and devices.
- **DisplayPort 1.4:** For high-resolution and high-refresh-rate video input.
- **HDMI 2.0 (x2):** For connecting gaming consoles, PCs, and other HDMI-enabled devices.
- **USB 3.0 (x3):** For connecting peripherals like keyboards, mice, and USB drives.
- **KVM Switch:** Allows you to control multiple devices connected to the monitor using a single keyboard and mouse setup.

Ergonomic Design Find Your Perfect Angle

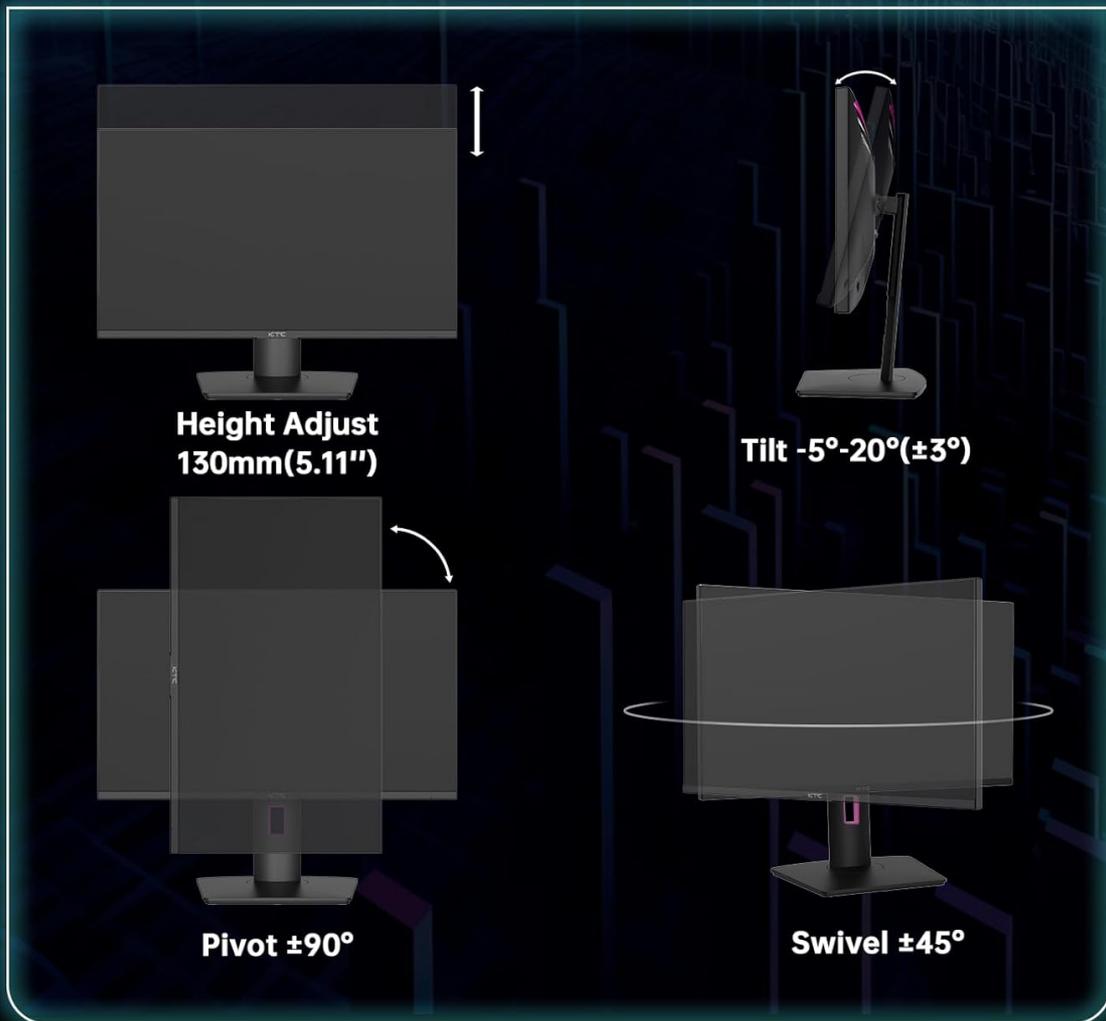


Figure 3.3: Overview of the monitor's abundant connectivity options and KVM switch functionality.

3.4 Power Connection

Connect the power adapter to the monitor's DC 24V input and then plug it into a power outlet. The monitor is now ready for use.

4. OPERATING THE MONITOR

4.1 Display Features

The KTC M27P20 Pro monitor is equipped with advanced display technologies for superior visual performance:

- **4K UHD Resolution (3840x2160)**: Delivers incredibly sharp and detailed images.
- **Fast IPS Panel**: Provides rapid response times and wide viewing angles.
- **Mini LED Backlight with 576 Local Dimming Zones**: Offers precise control over brightness and contrast, resulting in deeper blacks and brighter whites.
- **HDR1000 Certification**: Ensures stunning high dynamic range content with peak brightness of 1000 nits

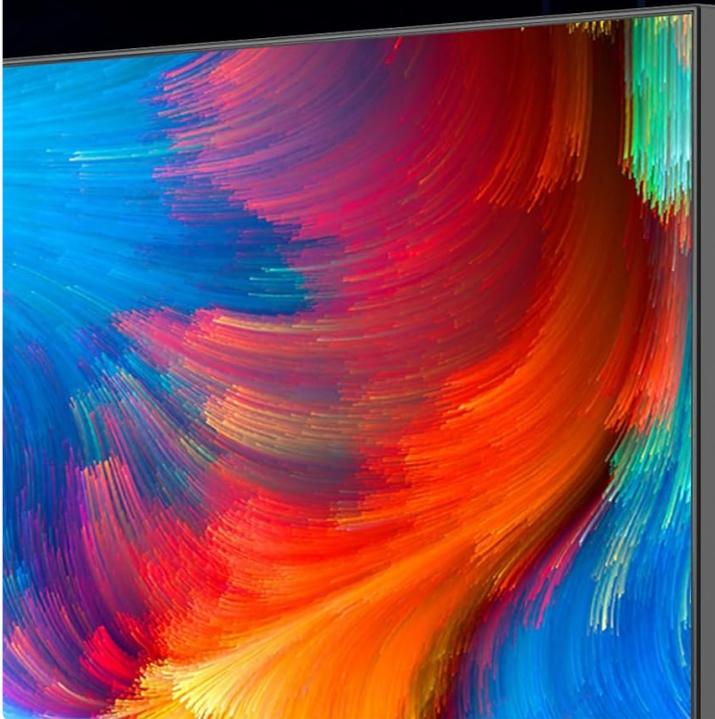
and a 1,000,000:1 HDR contrast ratio.

- **Quantum Dot Technology:** Achieves 100% sRGB and 98% DCI-P3 color gamut coverage for exceptionally accurate and vibrant colors.
- **160Hz Refresh Rate (supports 144Hz) & 1ms MPRT Response Time:** Provides ultra-smooth motion, crucial for fast-paced gaming.



Figure 4.1: The Mini-LED Fast IPS Panel technology with 576 local dimming zones for enhanced brightness management.

Deepest Blacks, Brightest Whites



4K Resolution

(3840×2160)

1000nits

(HDR Peak Brightness)

600nits

(SDR Typical brightness)

1000000:1

(HDR Contrast Ratio)

*Data from KTC laboratory

Figure 4.2: Experience deepest blacks and brightest whites with HDR1000 certification.

Quantum Dot Technology Accurate Color Display



sRGB	100% Coverage	160% Color Gamut
DCI-P3	98% Coverage	118% Color Gamut
Adobe RGB	100% Coverage	118% Color Gamut



Figure 4.3: Quantum Dot Technology ensures accurate and wide color display.

Mini LED VS Normal LCD Monitors

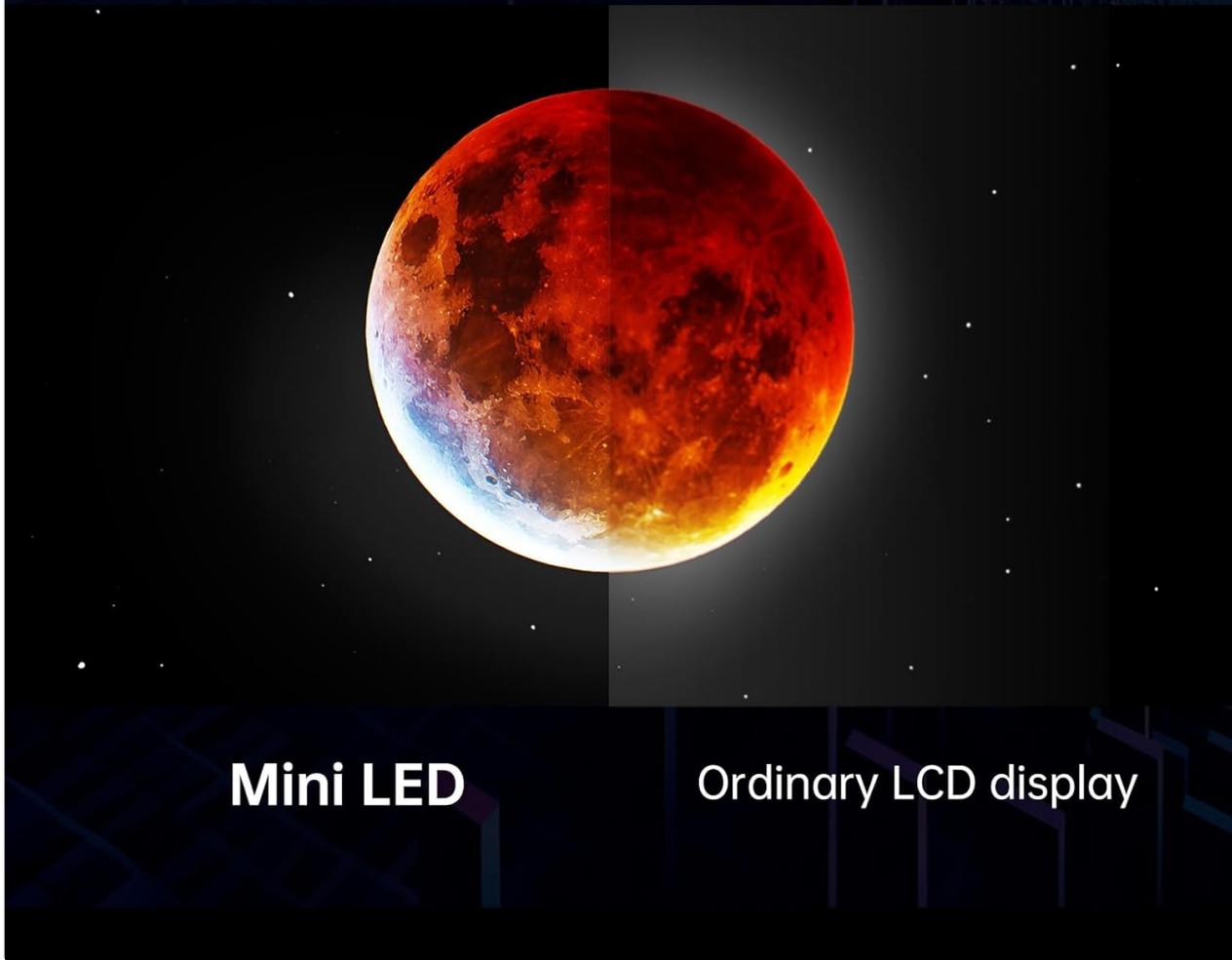


Figure 4.4: Visual comparison demonstrating the superior contrast and black levels of Mini LED over standard LCD.

4.2 Gaming Features

The monitor is optimized for gaming with features like:

- **FreeSync & G-Sync Compatible:** Reduces screen tearing and stuttering for a fluid gaming experience.
- **Built-in Speakers:** Integrated 2x2W speakers provide audio without external devices.

4K · 160Hz · 1ms 2*2W Speakers · FreeSync

Smooth and Ultimate Gaming Experience



Figure 4.5: The monitor delivers a smooth and ultimate gaming experience with its high refresh rate and low response time.

4.3 On-Screen Display (OSD) Navigation

The monitor's settings are controlled via a 5-way OSD Navigation Joystick located on the back of the monitor. Press the joystick to access the main menu, and use its directional movements to navigate through options and adjust settings such as brightness, contrast, color temperature, input source, and gaming modes.

4.4 Eye Care Features

For extended viewing comfort, the monitor incorporates Low Blue Light and Flicker-Free technologies to reduce eye strain during prolonged use.

Immersive and New Visual Experience Deepest blacks and brightest whites



Figure 4.6: The monitor features Low Blue Light and Flicker-Free technology for a comfortable viewing experience.

4.5 Product Video Overview

Watch this official product video for a visual guide on the monitor's features, setup, and capabilities.

Your browser does not support the video tag.

Video 4.1: KTC Mini LED Monitor 27 Inch, HDR1000. This video demonstrates the monitor's key features including its Mini LED technology, 4K resolution, high refresh rate, ergonomic stand, and various connectivity options.

5. MAINTENANCE

To ensure the longevity and optimal performance of your KTC monitor, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth slightly with water or a non-abrasive screen cleaner. Avoid using alcohol-based cleaners or harsh chemicals.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's casing.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off When Not in Use:** Turn off the monitor when not in use for extended periods to save energy and prolong its lifespan.
- **Avoid Direct Sunlight:** Do not expose the monitor to direct sunlight or extreme temperatures.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Video cable disconnected or loose; Incorrect input source selected.	Ensure power cable is securely connected. Check video cable (HDMI/DP/Type-C) connections. Use the OSD joystick to select the correct input source.
Image is blurry or distorted	Incorrect resolution; Graphics card driver issues.	Set the display resolution to 3840x2160 (4K UHD) in your computer's display settings. Update your graphics card drivers.
Colors appear incorrect	Color settings in OSD are misconfigured; Graphics card color settings.	Adjust color settings (brightness, contrast, color temperature, gamma) using the OSD joystick. Check your graphics card control panel for color calibration options.
Cannot access OSD menu easily	Unfamiliarity with OSD joystick.	The single button on the back of the monitor functions as a 5-way joystick. Press it to open the menu, then push it up, down, left, or right to navigate and select options.
No audio from speakers	Volume too low; Audio output not set to monitor; Cable issue.	Increase monitor volume via OSD. Ensure your computer's audio output is set to the KTC monitor. Check HDMI/DP cable for audio signal transmission.

If the problem persists after trying these solutions, please refer to the full User Manual PDF or contact KTC customer support.

7. SPECIFICATIONS

Key technical specifications for the KTC 27 Inch 4K Mini LED Monitor (M27P20 Pro):

Feature	Detail
Model Number	M27P20 Pro
Screen Size	27 Inches
Resolution	3840 x 2160 Pixels (4K UHD)
Aspect Ratio	16:9
Refresh Rate	160Hz (supports 144Hz)
Response Time	1ms MPRT
Panel Type	Fast IPS
Backlight Technology	Mini LED with 576 Local Dimming Zones
HDR Support	HDR1000
Image Brightness	1000 Candela (HDR Peak)

Feature	Detail
HDR Contrast Ratio	1,000,000:1
Color Gamut	100% sRGB, 98% DCI-P3
Connectivity	USB Type-C (90W), DisplayPort 1.4, 2x HDMI 2.0, 3x USB 3.0
Audio	Built-in Speakers (2x2W)
Ergonomics	Height, Tilt, Swivel, Pivot adjustable
VESA Compatibility	100x100mm
Product Dimensions	33.85 x 8.46 x 19.29 inches
Item Weight	16.28 pounds
Manufacturer	KTC

8. WARRANTY AND SUPPORT

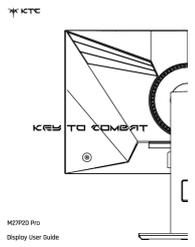
For further assistance, warranty information, or detailed technical support, please refer to the official KTC resources:

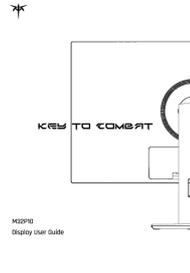
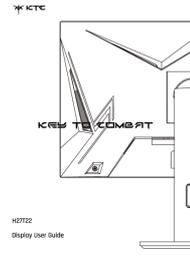
- **User Guide (PDF):** [Download User Guide](#)
- **Installation Manual (PDF):** [Download Installation Manual](#)
- **User Manual (PDF):** [Download User Manual](#)

You may also visit the official KTC store on Amazon for additional product information and support options: [KTC Amazon Store](#)

© 2024 KTC. All rights reserved.

Related Documents - M27P20 Pro

	<p>KTC M27P20 Pro Display User Guide</p> <p>User guide for the KTC M27P20 Pro display, covering important safety precautions, product introduction, installation, operation, troubleshooting, and technical specifications.</p>
---	---

	<p>KTC M27P20P Firmware Upgrade Tutorial</p> <p>A step-by-step guide for upgrading the firmware on the KTC M27P20P monitor. Includes instructions on preparing the USB drive, performing the upgrade, and resetting the monitor.</p>
	<p>KTC M32P10 Display User Guide</p> <p>User guide for the KTC M32P10 display, covering safety precautions, installation, connection, operation, troubleshooting, and technical specifications. This 32-inch 4K UHD MiniLED gaming monitor features 144Hz refresh rate, 1ms response time, HDR1000, and multiple connectivity options including HDMI, DP, USB, and Type-C.</p>
	<p>KTC H27P22S LCD Monitor User Guide</p> <p>User guide for the KTC H27P22S LCD Monitor, detailing installation, features, technical specifications, and troubleshooting.</p>
	<p>KTC H27T22 Display User Guide</p> <p>User guide for the KTC H27T22 display, covering product introduction, installation, operation, troubleshooting, and technical specifications.</p>
	<p>KTC G42P5 OLED Monitor User Manual and Specifications</p> <p>Comprehensive user manual and technical specifications for the KTC G42P5 42-inch 4K OLED Gaming Monitor, detailing features, installation, operation, and safety precautions.</p>