

KOORUI MG27K1Q

KOORUI MG27K1Q 27-inch QHD 240Hz VA Mini LED Gaming Monitor

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your KOORUI MG27K1Q 27-inch QHD 240Hz VA Mini LED Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your product package. If any items are missing or damaged, please contact KOORUI customer support.

- KOORUI MG27K1Q 27-inch Gaming Monitor
- Monitor Stand (Base and Support)
- Power Adapter
- DisplayPort (DP) Cable

3. SETUP

3.1 Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand support to the monitor panel. Ensure it clicks securely into place or is fastened with screws if provided.
3. Connect the stand base to the stand support. Tighten any screws to secure the assembly.
4. Place the assembled monitor on a stable, flat surface.

3.2 Connecting to Devices

The monitor offers multiple connectivity options for various devices. Ensure the monitor is powered off before making any

connections.

- **DisplayPort (DP 1.4):** Connect the included DisplayPort cable from your computer's graphics card to the DisplayPort input on the monitor for optimal performance, including 240Hz refresh rate and Adaptive Sync.
- **HDMI (HDMI 2.0):** Connect an HDMI cable from your device (PC, gaming console) to one of the two HDMI 2.0 inputs on the monitor.
- **Audio Out:** Use the 3.5mm audio jack to connect external speakers or headphones.

Produktdatenblatt

DELEGIERTE VERORDNUNG (EU) 2019/2013 DER KOMMISSION zur
Energieverbrauchskennzeichnung von elektronischen Displays

	Parameter	Parameter oder Wert und Genauigkeit	Einheit
1.	Name oder Warenzeichen des Lieferanten	KOORUI	
	Anschrift des Lieferanten	APEX CE SPECIALISTS LIMITED, UNIT 3D NORTH POINT HOUSE, NORTH POINT BUSINESS PARK, NEW MALLOW ROAD, CORK, T23 AT2P, IE	
2.	Modellkennung	MG27K1Q	
3.	Energieeffizienzklasse bei Standard-Dynamikumfang (SDR)	F	
4.	Leistungsaufnahme im Ein-Zustand bei SDR	26,0	W
5.	Energieeffizienzklasse bei hohem Dynamikumfang (HDR)	G	
6.	Leistungsaufnahme im Ein-Zustand bei hohem Dynamikumfang (HDR), falls vorhanden	44,0	W
7.	Leistungsaufnahme im Aus-Zustand, falls zutreffend	0,3	W
8.	Leistungsaufnahme im Bereitschaftszustand, falls zutreffend	0,5	W
9.	Leistungsaufnahme im vernetzten Bereitschaftsbetrieb, falls zutreffend	Nicht zutreffend	W
10.	Art des elektronischen Displays	Monitor	
11.	Seitenverhältnis	16 : 9	
12.	Bildschirmauflösung	2 560 x 1 440	pixels
13.	Bildschirmdiagonale	69,0	cm
14.	Bildschirmdiagonale	27	Zoll
15.	Sichtbare Bildschirmfläche	20,1	dm ²
16.	Verwendete Panel-Technologie	LED LCD	
17.	Automatische Helligkeitsregelung (ABC) vorhanden	Nein	
18.	Spracherkennungssensor vorhanden	Nein	
19.	Anwesenheitssensor vorhanden	Nein	
20.	Bildwiederholfrequenz (Standard)	60	Hz
21.	Mindestens garantierte Software- und Firmware-Aktualisierungen (ab dem Datum der Beendigung des Inverkehrbringens)	8	Jahre
22.	Mindestens garantierte Verfügbarkeit von Ersatzteilen (ab dem Datum der Beendigung des Inverkehrbringens)	7	Jahre

	Mindestens garantierte Produktunterstützung		3	Jahre
	Mindestlaufzeit der vom Lieferanten angebotenen allgemeinen Garantie		3	Jahre
24.	Art der Stromversorgung (Netzteil)	Extern		
25.	Externes Netzteil (nicht genormt, in der Verkaufsverpackung enthalten)			
	<i>i</i>	-		
	<i>ii</i>	Eingangsspannung	240	V
	<i>iii</i>	Ausgangsspannung	19,0	V
26.	Genormtes externes Netzteil (oder geeignetes Netzteil, falls nicht in der Verkaufsverpackung enthalten)			
	<i>i</i>	-		
	<i>ii</i>	Benötigte Ausgangsspannung	-	V
	<i>iii</i>	Benötigte (Mindest-)Stromstärke	-	A
	<i>iv</i>	Benötigte Stromfrequenz	-	Hz

Image: Rear view of the monitor illustrating the available connection ports (DisplayPort 1.4, 2x HDMI 2.0, Audio Out) and VESA mount points. Examples of compatible devices like PS5, Xbox, Laptop, and Nintendo Switch are shown.

3.3 Power Connection

1. Connect the power adapter to the monitor's power input.
2. Plug the power adapter into a wall outlet.

4. OPERATING THE MONITOR

4.1 Basic Operation

- **Power On/Off:** Press the power button, usually located on the back or bottom right of the monitor, to turn the monitor on or off.
- **Input Selection:** Use the On-Screen Display (OSD) menu to select the desired input source (DP, HDMI 1, HDMI 2).

4.2 Display Features

The KOORUI MG27K1Q monitor is equipped with advanced display technologies for an enhanced visual experience.

- **QHD Resolution (2560x1440):** Provides sharp and detailed images.
- **VA Mini LED Panel:** Offers deep blacks, high contrast, and vibrant colors.
- **HDR 1000:** High Dynamic Range support for brighter whites and darker blacks, enhancing visual depth and realism.

Exclusive Game Display Mode



Crosshair



Timer



FPS Counter



RTS Counter

Adaptive Sync

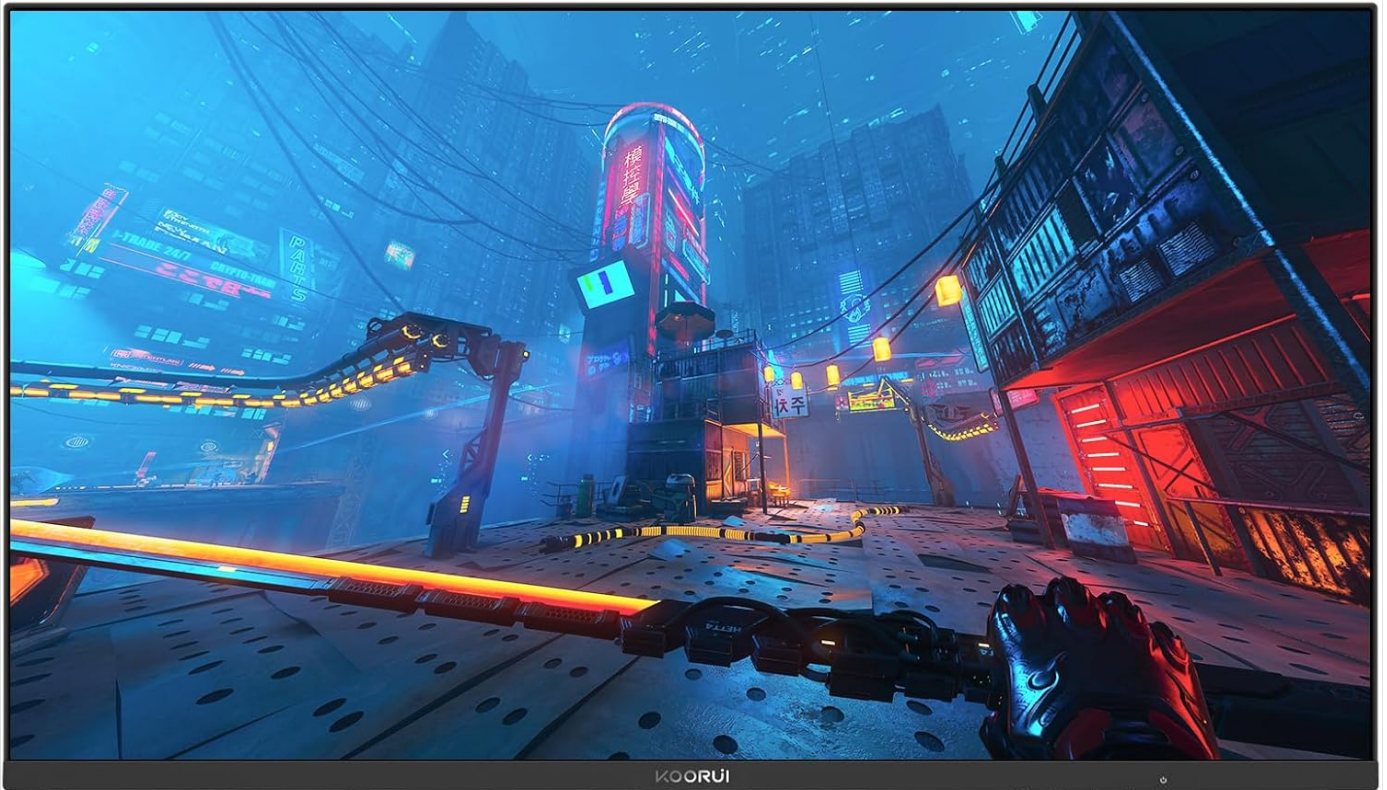


Image: Visual comparison demonstrating the enhanced contrast and detail provided by HDR 1000 technology compared to a standard display.

4.3 Gaming Performance

Designed for gaming, this monitor delivers smooth and responsive gameplay.

- **240Hz Refresh Rate:** Ensures ultra-smooth motion and reduced input lag.
- **1ms Response Time:** Minimizes motion blur and ghosting for clear, fast-paced action.
- **Adaptive Sync (G-SYNC Compatible):** Synchronizes the monitor's refresh rate with your GPU's frame rate to eliminate screen tearing and stuttering.
- **Exclusive Game Display Modes:** Features like Crosshair, Timer, and FPS Counter can be enabled via the OSD for an advantage in gaming.



Connect Different Devices



PS5



Xbox



Laptop



Switch

Image: The monitor displaying a high-speed racing game, emphasizing its 240Hz refresh rate and 1ms response time for a fluid gaming experience.



Height Adjustment Lifting Stroke 130mm



Tilted -20° ~ 20°



Support a 90° rotation for portrait mode viewing



Swiveled -7° ~ 30°

Image: A gaming scenario on the monitor, illustrating the 'Exclusive Game Display Mode' features such as Crosshair, Timer, FPS Counter, and RTS Counter, alongside Adaptive Sync functionality.

4.4 Eye Care Features

The monitor includes features to reduce eye strain during prolonged use.

- **Blue Light Filter:** Reduces harmful blue light emissions. This can be adjusted or enabled/disabled through the OSD menu.

5. ADJUSTMENTS

The monitor stand allows for various ergonomic adjustments to optimize your viewing comfort.

- **Height Adjustment:** Adjust the monitor height up to 130mm.
- **Tilt:** Tilt the screen from -7° (downward) to 30° (upward).
- **Swivel:** Rotate the monitor horizontally from -20° to 20° .

- **Pivot:** Rotate the screen 90° for portrait mode viewing.
- **VESA Mount:** Compatible with VESA 75x75mm mounting solutions for alternative setups.

No Freeze, No Ghosting, Give You the Best Gaming Experience

240 Hz
Refresh Rate

1 ms
Trace Free



Image: Diagrams demonstrating the monitor's ergonomic adjustments, including height, tilt, swivel, and pivot for portrait mode.

6. SPECIFICATIONS

Feature	Specification
Model Number	MG27K1Q
Screen Size	27 Inches
Panel Type	VA Mini-LED
Resolution	QHD (2560 x 1440)
Aspect Ratio	16:9

Feature	Specification
Refresh Rate	240 Hz
Response Time	1 ms
Contrast Ratio (Static)	3000:1
Contrast Ratio (Dynamic)	20,000,000:1
Brightness	275 nits
Viewing Angle	178 Degrees
HDR Support	HDR 1000
Adaptive Sync	Compatible with NVIDIA G-SYNC
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, Audio Out
VESA Mount	75x75mm
Power Consumption	90 Watt
Dimensions (D x W x H)	32 x 61.3 x 52.3 cm
Weight	9.34 Kilograms
Special Features	Blue Light Filter, Gaming Modes (Crosshair, Timer, FPS Counter)

7. TROUBLESHOOTING

If you encounter issues with your 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 if the power indicator light on the monitor is on.
- **No Signal:** Verify that the video cable (DP or HDMI) is correctly connected to both the monitor and your computer/device. Ensure the correct input source is selected in the monitor's OSD menu. Try a different video cable or port.
- **Flickering/Distorted Image:** Check the video cable connections. Ensure your graphics card drivers are up to date. Try reducing the refresh rate in your display settings to see if the issue persists.
- **Adaptive Sync Not Working:** Ensure Adaptive Sync (G-SYNC Compatible) is enabled in both the monitor's OSD settings and your graphics card control panel. Use a DisplayPort cable for optimal performance.
- **Dead Pixels:** While rare, a small number of dead pixels may be considered within manufacturing tolerances. Refer to the warranty policy for specific details regarding pixel defects.

8. WARRANTY AND SUPPORT

KOORUI provides comprehensive support for your product.

- **Warranty:** This monitor comes with a 3-year warranty from the date of purchase.
- **Replacement Service:** A 1-year replacement service is offered for qualifying issues.

- **Customer Support:** If you encounter any damages, malfunctions, or find missing accessories, please do not hesitate to contact KOORUI customer support for assistance.