Prechen HD-270

Prechen 27-inch QHD 240Hz Gaming Monitor (Model HD-270) User Manual

Model: HD-270

Introduction

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Prechen 27-inch QHD 240Hz Gaming Monitor, Model HD-270. Please read this manual thoroughly before using your monitor to ensure proper functionality and to maximize your gaming and viewing experience.



Figure 1: Front view of the Prechen 27-inch QHD 240Hz Gaming Monitor.

Setup

Package Contents

- Prechen 27-inch QHD 240Hz Gaming Monitor
- Monitor Stand (Base and Neck)
- Power Adapter
- DisplayPort Cable
- HDMI Cable
- User Manual

Monitor Assembly

1. Carefully remove all components from the packaging.
2. Attach the stand neck to the stand base. Ensure it clicks securely into place.

3. Align the assembled stand with the mounting slot on the back of the monitor. Gently push until it locks into position.
4. Place the assembled monitor on a stable, flat surface.

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Video 1: This video demonstrates the physical assembly of the monitor stand and attachment to the monitor, as well as a 360-degree view of the product and its ports.

Connecting to a Device

The monitor offers multiple connectivity options:

- **DisplayPort 1.4 (x2):** Supports up to 240Hz refresh rate for optimal gaming performance.
- **HDMI 2.0 (x2):** Supports up to 144Hz refresh rate.
- **Audio Out:** For connecting external headphones or speakers.

Connect the appropriate video cable (DisplayPort or HDMI) from your computer's graphics card to the corresponding port on the monitor. Then, connect the power adapter to the monitor and a power outlet.



Figure 2: Rear view of the monitor showing labeled input/output ports including Power, HDMI 2.0, DisplayPort 1.4, and Audio Out.

Operating the Monitor

Power On/Off

Press the Power button located on the back of the monitor to turn it on or off.

On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the navigation buttons on the back of the monitor to access and navigate the menu:

- **Menu/OK:** Enters the OSD menu or confirms a selection.
- **Up/Brightness:** Navigates up in the menu or increases brightness.
- **Down/Volume:** Navigates down in the menu or adjusts volume.
- **Exit/Signal:** Exits the menu or switches input signal.

Key Features

- **240Hz Refresh Rate & 1ms GTG Response Time:** Provides ultra-smooth motion and minimal input lag, crucial for competitive gaming.
- **2K QHD Resolution (2560x1440P):** Delivers sharp images and vibrant colors for an immersive visual experience.
- **HDR 400:** Enhances dynamic range and detail for lifelike viewing.
- **AMD FreeSync Premium Pro:** Synchronizes the monitor's refresh rate with your GPU's frame rate to eliminate screen tearing and stuttering.
- **100% sRGB & 400cd/m² Brightness:** Ensures rich color performance and clear, bright images.
- **Dual Built-in Speakers:** Provides convenient audio output.
- **VESA Support (75x75mm):** Allows for alternative mounting solutions.



Figure 3: Overview of the monitor's key features and specifications.



Figure 4: Illustration of AMD FreeSync Premium Pro technology, which synchronizes frame rates to prevent screen tearing and stuttering.

Maintenance

Cleaning the Monitor

- Always power off and unplug the monitor before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using alcohol, ammonia, or abrasive cleaners, as they can damage the screen surface.

General Care

- Avoid placing heavy objects on the monitor or its cables.
- Do not expose the monitor to extreme temperatures, humidity, or direct sunlight.
- Ensure adequate ventilation around the monitor to prevent overheating.

Troubleshooting

No Power

- Check if the power cable is securely connected to both the monitor and the power outlet.
- Verify that the power outlet is functioning correctly by plugging in another device.
- Ensure the monitor's power button is pressed.

No Signal

- Confirm that the video cable (DisplayPort or HDMI) is securely connected to both the monitor and your computer's graphics card.
- Ensure the correct input source is selected on the monitor via the OSD menu (use the Exit/Signal button).
- Check if your computer is powered on and outputting a signal.

Display Issues (Blurry, Incorrect Colors)

- Adjust the resolution and refresh rate settings on your computer to match the monitor's native resolution (2560x1440) and desired refresh rate (up to 240Hz via DP, 144Hz via HDMI).
- Use the OSD menu to adjust brightness, contrast, and color settings.
- Ensure your graphics card drivers are up to date.

Specifications

Feature	Specification
Screen Size	27 Inches
Resolution	2560 x 1440 (QHD)
Refresh Rate	240Hz (via DP 1.4), 144Hz (via HDMI 2.0)
Response Time	1ms GTG
Brightness	400 cd/m²
Color Gamut	100% sRGB
Contrast Ratio	1000:1
Panel Type	IPS
Video Inputs	2x DisplayPort 1.4, 2x HDMI 2.0
Audio Output	1x Audio Out
Speakers	Dual Built-in Speakers
VESA Compatibility	75x75mm
Product Dimensions	0.59 x 24.8 x 12.2 inches
Item Weight	12.32 pounds

Feature	Specification
Model Number	HD-270



Figure 5: Side and back profile of the monitor, illustrating its slim design and VESA mounting points.

Warranty and Support

Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official Prechen website. Keep your purchase receipt as proof of purchase for any warranty claims.

Customer Support

If you encounter any issues or have questions not covered in this manual, please contact Prechen customer support. Contact details can typically be found on the official Prechen website or on the product packaging.