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OMEN OMEN 27

OMEN 27 by HP 27-inch QHD Gaming Monitor User Manual

Model: OMEN 27

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your OMEN 27 by HP 27-inch QHD Gaming Monitor. Please read these instructions thoroughly before operating the device and retain them for future reference.



Figure 1: Front view of the OMEN 27 by HP 27-inch QHD Gaming Monitor.

2. SETUP

2.1. Unboxing and Package Contents

Carefully remove all components from the packaging. Ensure all items listed below are present:

- OMEN by HP 27-inch Gaming Monitor with NVIDIA G-SYNC (Black)
- Power Cable
- DisplayPort Cable
- HDMI Cable
- USB 3.0 Upstream Cable
- Documentation

2.2. Monitor Assembly

1. Place the monitor panel face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the back of the monitor panel. Ensure it clicks securely into place.
3. Attach the stand base to the stand neck. Tighten any screws as indicated in the quick setup guide.

2.3. Connecting the Monitor

Connect the monitor to your computer or other devices using the appropriate cables. Ensure all connections are secure.



Figure 2: Rear view of the OMEN 27 monitor with available ports.

- **Power Connection:** Connect the power cable to the monitor's power input and then to a wall outlet.
- **DisplayPort Connection:** For optimal performance, connect one end of the DisplayPort cable to the monitor's DisplayPort input and the other end to your computer's DisplayPort output. This supports the full 165Hz refresh rate and NVIDIA G-SYNC.
- **HDMI Connection:** Alternatively, connect one end of the HDMI cable to the monitor's HDMI input and the other end to your device's HDMI output.
- **USB 3.0 Hub:** Connect the USB 3.0 upstream cable from your computer to the monitor's USB upstream port to enable the monitor's two USB 3.0 downstream ports for connecting peripherals.
- **Audio Output:** Connect external speakers or headphones to the audio output jack on the monitor.

3. OPERATING INSTRUCTIONS

3.1. Powering On/Off

Press the power button, typically located on the bottom right or rear of the monitor, to turn the monitor on or off. The power indicator light will illuminate when the monitor is on.

3.2. On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Access the OSD menu by pressing the joystick or dedicated OSD button, usually located on the rear or bottom of the monitor. Navigate through the menu

using the joystick or directional buttons and confirm selections by pressing the joystick or enter button.

3.3. Adjusting Display Settings

Within the OSD menu, you can customize settings such as:

- **Brightness:** Adjust the overall luminance of the screen.
- **Contrast:** Modify the difference between the brightest and darkest areas of the image.
- **Color Settings:** Fine-tune color temperature, gamma, and individual RGB levels.
- **Picture Modes:** Select from preset modes optimized for different content types (e.g., Gaming, Movie, Standard).
- **Input Selection:** Manually switch between DisplayPort and HDMI inputs.

3.4. Gaming Features

- **165Hz Refresh Rate:** Provides smoother motion and reduced input lag for a more fluid gaming experience. Ensure your graphics card and connection (DisplayPort recommended) support this refresh rate.
- **1ms Response Time with Overdrive:** Minimizes motion blur and ghosting, crucial for fast-paced games. This feature is enabled by the TN panel technology.
- **NVIDIA G-SYNC:** Synchronizes the monitor's refresh rate with your NVIDIA graphics card's frame rate to eliminate screen tearing and stuttering. This feature is automatically enabled when connected via DisplayPort to a compatible NVIDIA GPU.
- **Ambient Lighting:** The monitor features ambient lighting on its base and stand, which can be configured via the OSD menu to diffuse bright light and enhance the gaming atmosphere.

4. MAINTENANCE

4.1. Cleaning the Monitor

To clean the monitor screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a non-abrasive screen cleaner. Avoid using harsh chemicals, alcohol, or ammonia-based cleaners, as these can damage the screen surface.

4.2. General Care

To ensure the longevity of your monitor:

- 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 excessive dust.
- Ensure proper ventilation around the monitor to prevent overheating.

5. TROUBLESHOOTING

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

- **No Power:** Ensure the power cable is securely connected to both the monitor and a working electrical outlet. Check if the power indicator light is on.
- **No Signal:** Verify that the video cable (DisplayPort or HDMI) is correctly connected to both the monitor and your computer. Ensure the correct input source is selected in the OSD menu. Try restarting your computer.

- **Image Quality Issues (Blurry/Distorted):** Check the display resolution settings on your computer to ensure they match the monitor's native resolution (2560 x 1440). Adjust OSD settings like sharpness or picture mode.
- **Screen Tearing/Stuttering:** Ensure NVIDIA G-SYNC is enabled in your NVIDIA control panel and that your monitor is connected via DisplayPort.
- **No Sound from Audio Output:** Verify that external speakers or headphones are properly connected to the monitor's audio output jack. Check the volume settings on both the monitor and your computer.

If the problem persists after trying these steps, contact customer support.

6. SPECIFICATIONS



Figure 3: Dimensions of the OMEN 27 by HP 27-inch QHD Gaming Monitor.

Feature	Detail
Model Number	OMEN 27
Screen Size	27 Inches
Panel Type	TN

Feature	Detail
Native Resolution	QHD (2560 x 1440)
Max Refresh Rate	165Hz
Response Time	1ms with overdrive
Aspect Ratio	16:9
Brightness	350 cd/m ²
Adaptive Sync Technology	NVIDIA G-SYNC
Video Inputs	1x DisplayPort, 1x HDMI
USB Ports	2x USB 3.0 (downstream)
Audio Output	Yes
Color	Black
Product Dimensions (LxWxH)	10.73 x 24.16 x 21.07 inches
Item Weight	14 pounds
Manufacturer	HP

7. WARRANTY INFORMATION

This OMEN by HP monitor comes with a standard manufacturer's warranty. For detailed information regarding warranty coverage, terms, and conditions, please refer to the warranty card included in your product packaging or visit the official HP support website.

8. SUPPORT

For further assistance, technical support, or service inquiries, please visit the official HP support website or contact their customer service. You may need your monitor's serial number, which is typically located on a label on the back of the monitor.

- **HP Support Website:** www.hp.com/support