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## Acer VG270 Sbmiiplx

# Acer Nitro VG270 Sbmiiplx 27-inch Gaming Monitor User Manual

Model: VG270 Sbmiiplx

## INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Acer Nitro VG270 Sbmiiplx 27-inch Full HD IPS Gaming Monitor. Please read this manual thoroughly before using your monitor to ensure proper installation and functionality. Keep this manual for future reference.



Image: Front view of the Acer Nitro VG270 Sbmiiplx 27-inch Gaming Monitor, showcasing its slim bezels and gaming-oriented stand.

## IMPORTANT SAFETY INFORMATION

- Always place the monitor on a stable, flat surface to prevent it from falling.
  - Do not block ventilation openings. Ensure adequate space around the monitor for proper airflow.
  - Use only the power adapter and cables provided by the manufacturer.
  - Keep the monitor away from water, moisture, and excessive heat.
  - Disconnect the power cable from the outlet before cleaning the monitor.
  - Do not attempt to repair the monitor yourself. Refer all servicing to qualified service personnel.
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## PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Acer Nitro VG270 Sbmiiipx 27-inch Gaming Monitor
  - Monitor Stand (Base and Neck)
  - Power Cable
  - DisplayPort Cable
  - HDMI Cable (x2)
  - User Manual (this document)
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## MONITOR FEATURES

- **Display:** 27-inch Full HD (1920 x 1080) Widescreen IPS Zero Frame Monitor
- **Refresh Rate:** 144Hz, OverClocking to 165Hz (via DisplayPort)
- **Response Time:** 2ms (Gray to Gray), up to 0.1ms (Gray to Gray)
- **Adaptive Sync:** AMD Radeon FreeSync Technology
- **Audio:** 2 integrated speakers, 2 watts per speaker
- **Connectivity:** 1 x DisplayPort, 2 x HDMI 2.0 Ports, 1 x Audio Out



Image: Visual representation of AMD Radeon FreeSync technology, illustrating smooth frame delivery without tearing or stuttering.



Image: Depiction of a fast-paced gaming scene with a "165Hz" overlay, highlighting the high refresh rate for fluid visuals.

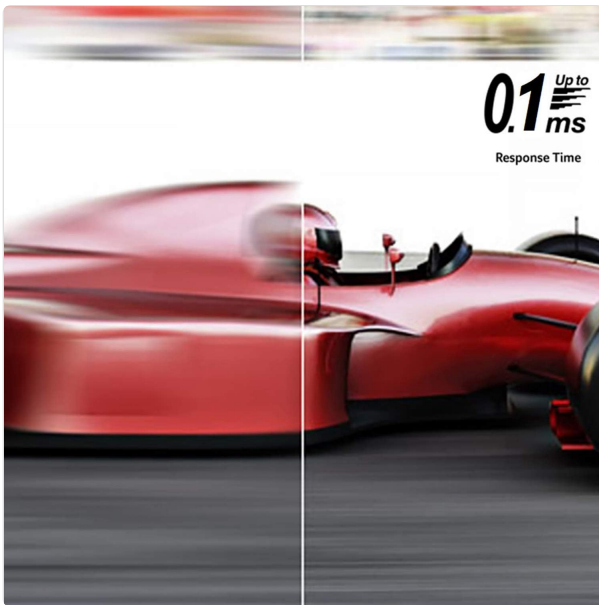


Image: Comparison showing a blurred image on the left and a sharp image on the right, labeled "0.1ms Response Time", demonstrating reduced motion blur.

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## SETUP INSTRUCTIONS

### 1. Monitor Assembly

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



Image: Side profile of the Acer Nitro VG270 Sbmiiqx monitor, showing the stand attached and the monitor's slim design.

## 2. Connecting to a Computer

Your monitor supports DisplayPort and HDMI connections. Choose the appropriate cable for your computer's graphics card.

1. Ensure both your monitor and computer are powered off.
2. **DisplayPort Connection:** Connect one end of the DisplayPort cable to the DisplayPort input on the monitor and the other end to the DisplayPort output on your computer's graphics card. This connection is required for 165Hz refresh rate.
3. **HDMI Connection:** Connect one end of an HDMI 2.0 cable to an HDMI input on the monitor and the other end to an HDMI 2.0 output on your computer's graphics card.
4. **Audio Connection:** If you are using external speakers or headphones, connect them to the Audio Out port on the monitor.
5. Connect the power cable to the monitor's power input, then plug the other end into a power outlet.



Image: Rear view of the Acer Nitro VG270 Sbmiipx monitor, showing the various input ports including DisplayPort, HDMI, and Audio Out.

## OPERATING INSTRUCTIONS

### 1. Power On/Off

Press the power button located on the monitor to turn it on or off. The power indicator light will illuminate when the monitor is on.

### 2. On-Screen Display (OSD) Menu Navigation

The OSD menu allows you to adjust various monitor settings. Use the buttons on the back or bottom of the monitor to navigate:

- Press a button to open the OSD menu.
- Use the navigation buttons (usually directional) to move through menu options.
- Press the select/enter button to confirm a selection or enter a sub-menu.
- Press the exit/back button to return to the previous menu or exit the OSD.

### 3. Picture Settings

Access the "Picture" or "Image" section in the OSD menu to adjust:

- **Brightness:** Adjusts the overall luminance of the screen.

- **Contrast:** Controls the difference between light and dark areas.
- **Color Temperature:** Selects preset color modes (e.g., Warm, Cool, User).
- **Gamma:** Adjusts the tone response curve.
- **OverDrive:** Adjusts pixel response time. Set to "Normal" for optimal performance.

#### 4. Audio Settings

Navigate to the "Audio" section in the OSD menu to control the built-in speakers or audio output:

- **Volume:** Adjust the sound level.
- **Mute:** Toggle sound on or off.

#### 5. AMD Radeon FreeSync Technology

AMD FreeSync synchronizes the monitor's refresh rate with your graphics card's frame rate to eliminate screen tearing and stuttering. To enable FreeSync:

1. Ensure your computer has an AMD Radeon graphics card that supports FreeSync.
2. Connect the monitor using a DisplayPort cable.
3. Enable FreeSync in the monitor's OSD menu (usually under "Gaming" or "System" settings).
4. Enable FreeSync in your AMD Radeon Software settings on your computer.

#### 6. Overclocking to 165Hz

The monitor supports an overclocked refresh rate of 165Hz via DisplayPort. To activate this:

1. Ensure the monitor is connected via DisplayPort.
2. Access the OSD menu and navigate to the "Gaming" or "System" settings.
3. Locate the "Overclock" or "Refresh Rate" option and enable it, then select 165Hz.
4. After enabling on the monitor, go to your computer's display settings (e.g., Windows Display Settings or NVIDIA/AMD Control Panel) and set the display refresh rate to 165Hz.

### MAINTENANCE

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a non-abrasive screen cleaner. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor casing. Avoid using strong detergents or abrasive cleaners.
- **Ventilation:** Ensure the ventilation openings on the monitor are clear of dust and obstructions to prevent overheating.

### TROUBLESHOOTING

Problem	Possible Solution
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Problem	Possible Solution
No image on screen	<ul style="list-style-type: none"> <li>• Ensure the power cable is securely connected to the monitor and a power outlet.</li> <li>• Verify the video cable (DisplayPort or HDMI) is firmly connected to both the monitor and the computer.</li> <li>• Press the monitor's power button to ensure it is turned on.</li> <li>• Check if the correct input source is selected in the OSD menu.</li> </ul>
"Input Not Supported" or "Out of Range" message	<ul style="list-style-type: none"> <li>• Your computer's resolution or refresh rate may be set too high for the monitor.</li> <li>• Restart your computer in Safe Mode or with a lower resolution/refresh rate.</li> <li>• Ensure your graphics card drivers are up to date.</li> </ul>
Screen flickering or tearing	<ul style="list-style-type: none"> <li>• Ensure AMD FreeSync is enabled in both the monitor's OSD and your AMD Radeon Software.</li> <li>• Check the video cable for damage or loose connections.</li> <li>• Verify the refresh rate setting in your computer's display settings.</li> </ul>
No audio from built-in speakers	<ul style="list-style-type: none"> <li>• Check the volume level in the monitor's OSD menu and your computer's sound settings.</li> <li>• Ensure the monitor is selected as the default audio output device on your computer.</li> <li>• Verify the HDMI or DisplayPort cable is correctly connected, as these carry audio.</li> </ul>

## SPECIFICATIONS

Feature	Detail
Model Name	VG270 Sbmiipx
Screen Size	27 Inches
Panel Type	IPS
Resolution	Full HD (1920 x 1080)
Aspect Ratio	16:9
Refresh Rate	144Hz (OverClocking to 165Hz via DisplayPort)
Response Time	2ms (G to G) - Up to 0.1ms (G to G)

Feature	Detail
Adaptive Sync	AMD Radeon FreeSync Technology
Speakers	2 x 2 Watt
Connectivity	1 x DisplayPort, 2 x HDMI 2.0, 1 x Audio Out
Dimensions (LxWxH)	9.4 x 24.2 x 18.7 inches
Item Weight	13.64 pounds
Color	Black



Image: Diagram illustrating the physical dimensions (length, width, height) of the Acer Nitro VG270 Sbmiipx monitor.

## WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Acer support website. If you encounter issues not covered in the troubleshooting section, please contact Acer customer support for assistance.

**Acer Support Website:** [www.acer.com/support](http://www.acer.com/support)

