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acer XF270H Bbmiiprx

Acer XF270H Bbmiiprx 27-inch Gaming Monitor User Manual

Model: XF270H Bbmiiprx

1. INTRODUCTION

This manual provides instructions for the setup, operation, and maintenance of your Acer XF270H Bbmiiprx 27-inch Full HD gaming monitor. This monitor is designed to deliver a responsive visual experience with features such as a 144Hz refresh rate, 1ms response time, and compatibility with AMD FreeSync and NVIDIA G-SYNC technologies. It also features a Zero Frame design and Acer VisionCare for comfortable viewing.

144Hz

1ms



nVIDIA
G-SYNC™

Image 1.1: Front view of the Acer XF270H Bbmiiprx monitor, showcasing its key performance features.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package. If any items are missing or damaged, contact your retailer or Acer support.

- Display Unit
- Monitor Stand (Base and Neck)
- Power Cord
- DisplayPort Cable

3. SETUP

3.1. 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.

4. Place the assembled monitor on a stable, flat surface.





Image 3.1: Side view of the monitor, illustrating the stand assembly.

VESA Mount Compatibility: The monitor supports a 100 x 100 mm VESA mount standard. If you plan to use a wall mount or an alternative monitor arm, remove the stand and attach the VESA-compatible mounting bracket (sold separately) to the monitor's rear panel.





Image 3.2: Monitor in vertical orientation, demonstrating pivot functionality.

3.2. Connecting the Monitor

1. **Power Connection:** Connect the power cord to the monitor's power input and then to a power outlet.
2. **Video Connection:**
 - For optimal performance (144Hz refresh rate), connect the included DisplayPort cable from your computer's graphics card to the monitor's DisplayPort 1.2 input.
 - Alternatively, connect an HDMI cable (not included) from your computer's graphics card to one of the monitor's two HDMI 2.0 inputs.
3. **Audio Connection (Optional):** If you wish to use external speakers or headphones, connect them to the monitor's audio output jack. The monitor also has built-in speakers.
4. **Power On:** Press the power button on the monitor to turn it on. Power on your computer.

4. OPERATING THE MONITOR

4.1. Power On/Off

To turn the monitor on or off, press the power button located on the bottom right side of the monitor bezel.

4.2. On-Screen Display (OSD) Menu Navigation

The OSD menu allows you to adjust various monitor settings such as brightness, contrast, color, input source, and gaming features. Use the buttons located on the bottom right of the monitor to navigate the OSD menu:

- Press any button to activate the OSD menu.
- Use the directional buttons to navigate through menu options.
- Press the select button (usually the middle button) to confirm a selection.
- Press the exit button (often the leftmost button) to go back or exit the menu.

4.3. Key Features

- **144Hz Refresh Rate:** This monitor supports a high refresh rate of 144Hz when connected via DisplayPort,

providing smoother motion and reduced input lag compared to standard 60Hz monitors.



Image 4.1: Visual representation of 144Hz refresh rate benefits in fast-paced content.

- **1ms Response Time:** The 1ms response time (GtG) minimizes motion blur and ghosting, ensuring clear visuals during fast-moving scenes.

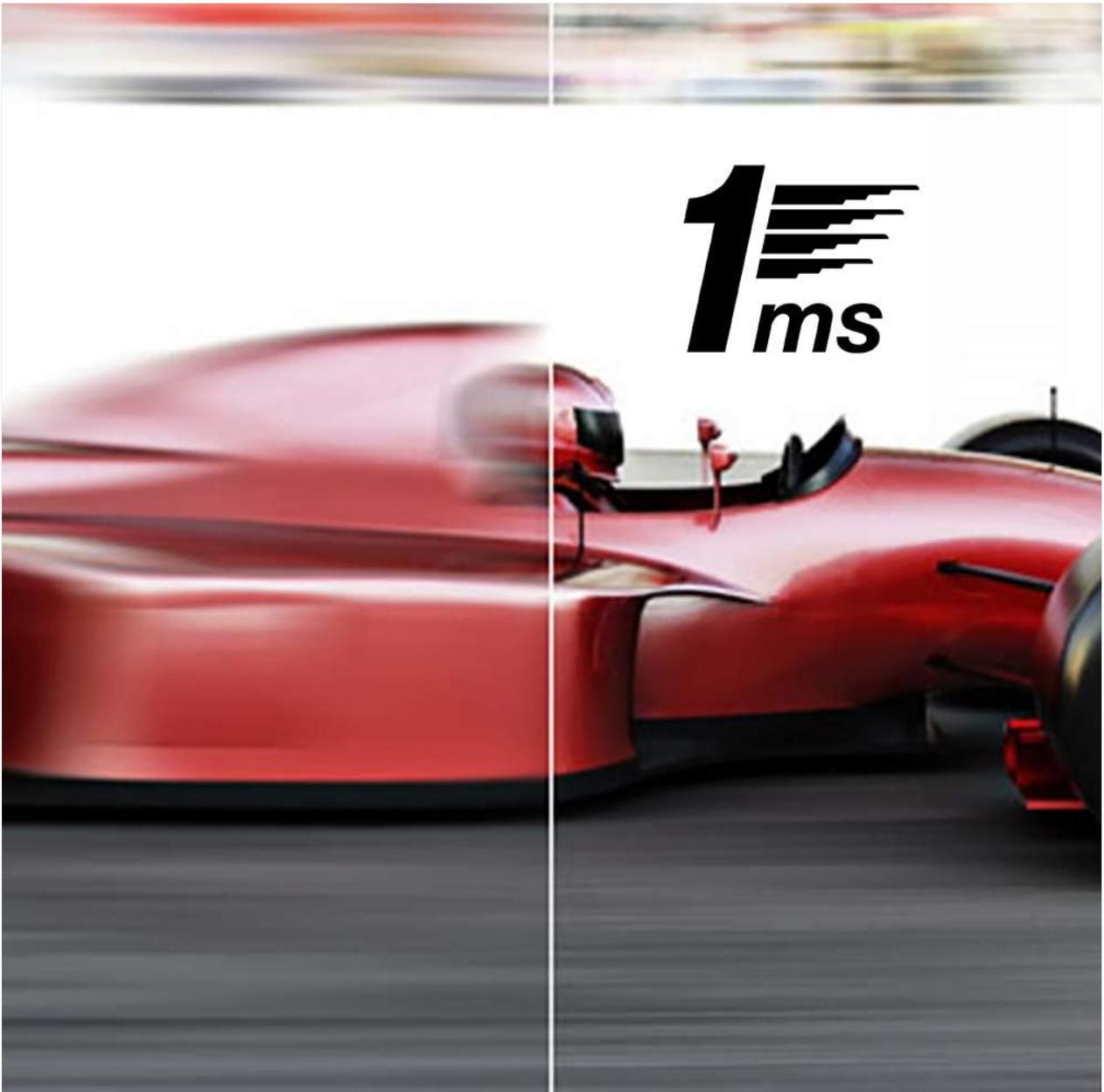


Image 4.2: Visual representation of 1ms response time reducing blur.

- **AMD FreeSync & NVIDIA G-SYNC Compatible:** This monitor supports adaptive sync technologies to synchronize the monitor's refresh rate with your graphics card's frame rate, eliminating screen tearing and stuttering for a smoother gaming experience. Ensure your graphics card drivers are up to date and FreeSync/G-SYNC is enabled in your graphics card control panel.
- **Zero Frame Design:** The narrow bezels provide a larger viewing area and are ideal for multi-monitor setups.
- **Acer VisionCare:** Features like Flicker-less, Blue Light Filter, and Low Dimming are integrated to reduce eye strain during extended use.

5. MAINTENANCE

5.1. Cleaning the Monitor

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen. Apply it to the cloth first.
- Avoid using benzene, thinner, ammonia-based cleaners, or abrasive materials, as these can damage the screen or casing.

5.2. General Care

- Avoid placing the monitor in direct sunlight or near heat sources.
- Ensure adequate ventilation around the monitor.
- Do not place heavy objects on the monitor or its cables.
- If the monitor will not be used for an extended period, unplug it from the power outlet.

6. TROUBLESHOOTING

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

Problem	Possible Solution
No image on screen	Ensure the power cord is securely connected to the monitor and a working power outlet. Verify the video cable (DisplayPort or HDMI) is securely connected to both the monitor and your computer. Press the OSD menu button to check the input source and ensure it matches your connection. Restart your computer.
Image is blurry or distorted	Check your computer's display settings to ensure the resolution is set to 1920 x 1080. Adjust the monitor's OSD settings for sharpness and clarity. Ensure the video cable is not damaged.
Screen flickering or tearing	Ensure your graphics card drivers are up to date. Verify that AMD FreeSync or NVIDIA G-SYNC (if applicable) is enabled in your graphics card control panel and the monitor's OSD. Check the video cable for damage or loose connections.
No audio from speakers	Check the monitor's OSD menu for audio volume settings. Ensure your computer's audio output is directed to the monitor. If using external speakers/headphones, ensure they are properly connected and powered.

7. SPECIFICATIONS

The following table lists the technical specifications for the Acer XF270H Bbmiiprx monitor:

Feature	Specification
Screen Size	27 Inches
Resolution	1920 x 1080 (Full HD)
Panel Type	TN
Refresh Rate	144Hz (via DisplayPort)
Response Time	1ms
Adaptive Sync	AMD FreeSync, NVIDIA G-SYNC Compatible
Aspect Ratio	16:9
Viewing Angles	170° Horizontal, 160° Vertical

Feature	Specification
Ports	1 x DisplayPort 1.2, 2 x HDMI 2.0
Speakers	2 x 2 Watts
VESA Mount Standard	100 x 100 mm
Dimensions (LxWxH)	24.17 x 9.64 x 15.63 inches
Weight	17.68 pounds

8. WARRANTY INFORMATION

Acer products are covered by a limited warranty. The specific terms and duration of your warranty may vary by region and product. Please refer to the warranty card included with your product or visit the official Acer website for detailed warranty information and registration.

9. SUPPORT

For technical assistance, product inquiries, or service requests, please contact Acer customer support. You can find contact information and additional resources on the official Acer support website:

Acer Support Website: www.acer.com/support

Please have your monitor's model number (XF270H Bbmiiprx) and serial number ready when contacting support.