Acer KB272 Hbi

Acer KB272 Hbi 27-inch Full HD Monitor User Manual

Model: KB272 Hbi

1. Introduction

This manual provides essential information for the safe and efficient operation of your Acer KB272 Hbi 27-inch Full HD monitor. Please read this manual thoroughly before using the product and retain it for future reference.

The Acer KB272 Hbi is a 27-inch Full HD (1920 x 1080) monitor designed for various applications, including office work, general use, and casual gaming. It features AMD FreeSync technology, a 100Hz refresh rate, and a 1ms Visual Response Boost (VRB) for smooth visuals. The monitor also incorporates Acer VisionCare technologies to enhance viewing comfort.



Image 1.1: Front view of the Acer KB272 Hbi 27-inch Full HD monitor.

2. Safety Information

Observe the following safety guidelines to prevent damage to the monitor and ensure user safety:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Ensure proper ventilation around the monitor. Do not block ventilation openings.
- Use only the power cord and adapter supplied with the monitor.
- Disconnect the power plug from the outlet if the monitor will not be used for an extended period.
- Do not attempt to service the monitor yourself. Refer all servicing to qualified service personnel.
- Avoid placing heavy objects on the power cord or monitor cables.

3. Package Contents

Verify that all items are present in the package:

- Acer KB272 Hbi Monitor
- Monitor Stand (Base and Neck)
- Power Cord
- HDMI Cable

4. Setup

4.1 Assembling the Monitor Stand

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.
3. Attach the stand base to the stand neck. Tighten any screws if provided.
4. Place the assembled monitor on a stable, flat surface.



Image 4.1: The monitor stand allows for tilt adjustment. The monitor is also VESA wall mount compatible.

4.2 Connecting Cables

Connect the necessary cables to the monitor and your computer:

- **Power Cable:** Connect the power cord to the monitor's power input and then to a power outlet.
- **HDMI Cable:** Connect one end of the HDMI cable to the HDMI port on the monitor and the other end to the

HDMI output port on your computer.

- **VGA Cable (Optional):** If using a VGA connection, connect a VGA cable to the VGA port on the monitor and your computer.



Image 4.2: Rear view highlighting the HDMI and VGA input ports.

5. Operating Instructions

5.1 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.

5.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Typically, buttons on the back or bottom right of the monitor are used to navigate the menu. Common adjustments include brightness, contrast, color settings, input selection, and advanced features.

5.3 Key Features

- **AMD FreeSync Technology:** This technology synchronizes the monitor's refresh rate with your graphics card's frame rate, reducing screen tearing and stuttering for a smoother visual experience. Ensure your graphics card supports AMD FreeSync and it is enabled in your system settings.

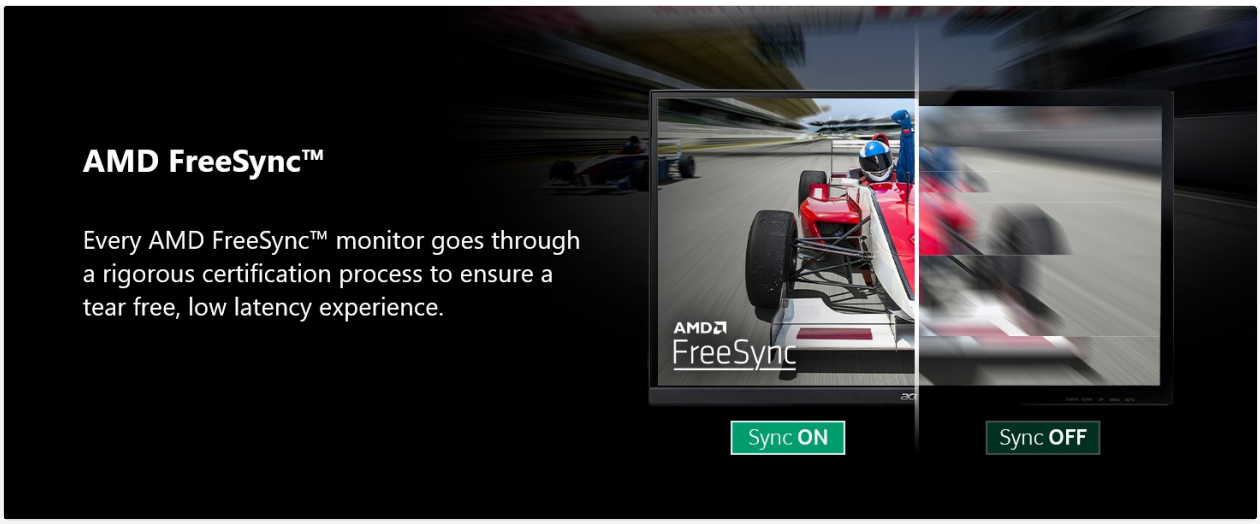


Image 5.1: Visual representation of AMD FreeSync technology reducing screen tearing.

- **100Hz Refresh Rate:** The monitor supports a 100Hz refresh rate via HDMI, providing smoother motion compared to standard 60Hz displays. This is beneficial for fast-paced content and reduces perceived flicker.

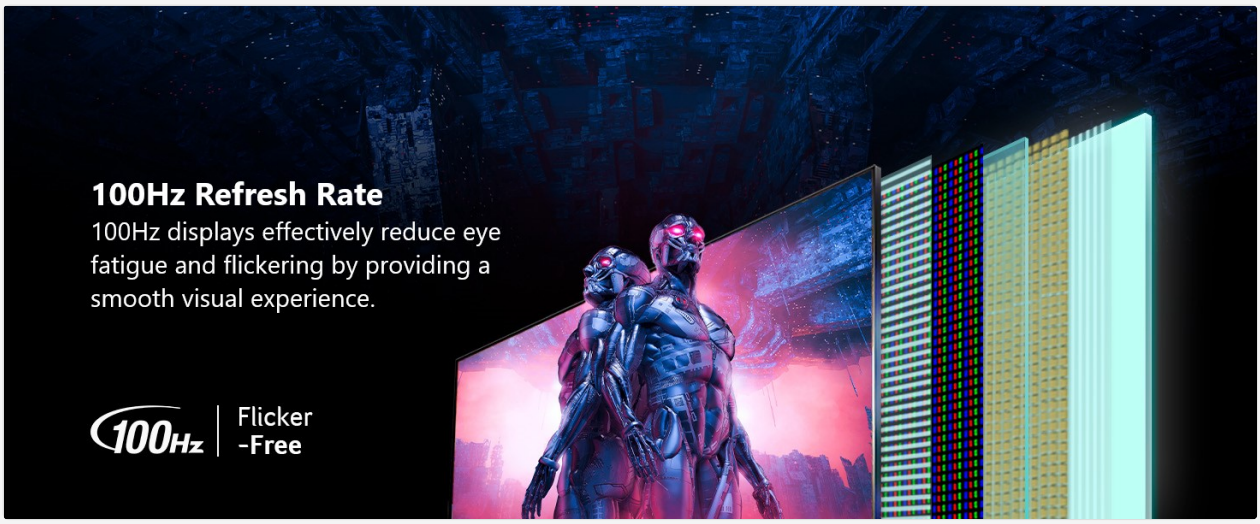


Image 5.2: Illustration of 100Hz refresh rate providing a smoother visual experience.

- **1ms Visual Response Boost (VRB):** This feature minimizes motion blur in fast-moving scenes, ensuring clear and sharp images. It is particularly useful for gaming.

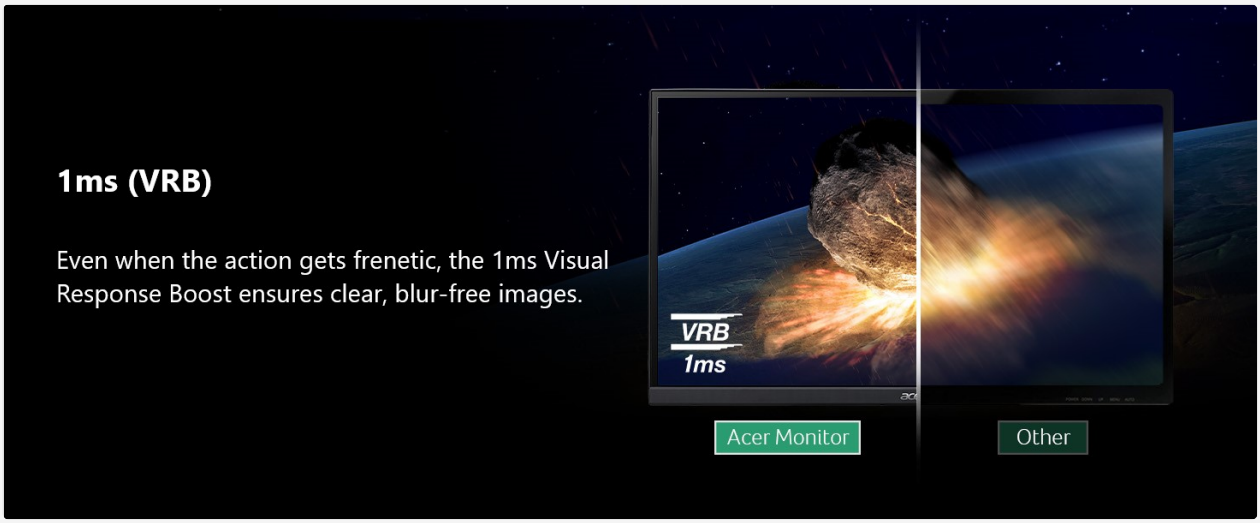


Image 5.3: Visual comparison demonstrating the effect of 1ms VRB on image clarity during motion.

- **Acer VisionCare (Low Blue Light & Flicker-Free):** Acer VisionCare technology includes features like Low Blue Light and Flicker-Free to reduce eye strain during prolonged use. These settings can typically be adjusted through the OSD menu.

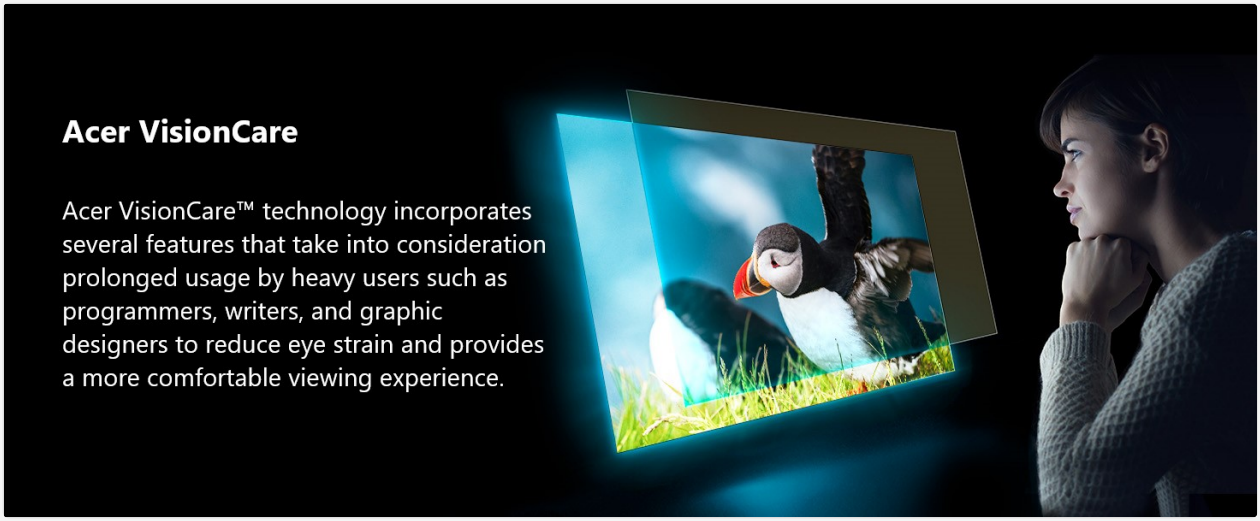


Image 5.4: Acer VisionCare technology designed to reduce eye strain.

- **Tilt Adjustment:** The monitor stand allows for tilt adjustment from -5° to 15°, enabling you to find a comfortable viewing angle.
- **Wide Viewing Angle:** The monitor offers a wide viewing angle of 178° horizontally and vertically, ensuring consistent color and image quality from various positions.



Image 5.5: Illustration of the monitor's wide 178-degree viewing angle.

6. Maintenance

6.1 Cleaning the Monitor

To clean the monitor screen and casing:

- Turn off the monitor and unplug the power cord.
- Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner.
- Wipe the screen gently. Avoid applying excessive pressure.
- Do not use alcohol, ammonia, or abrasive cleaners, as they may damage the screen or casing.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty	Ensure power cord is securely connected to monitor and outlet; Test outlet with another device.
No signal	Video cable not connected; Incorrect input selected	Check HDMI/VGA cable connections; Use OSD menu to select correct input source.
Image is blurry or distorted	Incorrect resolution; Cable issue	Set display resolution to 1920 x 1080; Try a different HDMI cable.
Screen flickering	Refresh rate mismatch; Environmental interference	Ensure graphics card drivers are updated; Check for nearby electronic devices causing interference.

8. Specifications

Feature	Detail
Model Number	KB272 Hbi
Screen Size	27 Inches
Max Resolution	1920 x 1080 (Full HD)
Refresh Rate	100Hz (via HDMI)
Response Time	1ms VRB (Visual Response Boost)
Panel Type	IPS (implied by wide viewing angle and color claims)
Brightness	250 nits
Pixel Pitch	0.311mm
Aspect Ratio	16:9
Viewing Angle	178° (H) / 178° (V)
Connectivity	1 x HDMI 1.4 Port, 1 x VGA Port
Ergonomics	Tilt: -5° to 15°
VESA Mounting	100 x 100mm Compliant
Dimensions (LxWxH)	7.87 x 24.2 x 18 inches (with stand)
Item Weight	11.86 pounds



Image 8.1: Physical dimensions of the Acer KB272 Hbi monitor.

9. Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Acer support website. The website provides access to drivers, FAQs, and contact information for customer service.

Acer Official Support: www.acer.com/support

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