

## Acer XZ270

# Acer Nitro XZ270 27-inch Full HD 280Hz Curved Gaming Monitor User Manual

Model: XZ270

## 1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your Acer Nitro XZ270 27-inch Full HD 280Hz Curved Gaming Monitor. Please read this manual thoroughly before using your monitor to ensure proper functionality and safety. The Acer Nitro XZ270 monitor features a 27-inch 1500R curved display with Full HD (1920 x 1080) resolution, offering crisp visuals and an immersive experience. It supports AMD FreeSync Premium technology for tear-free gaming, a rapid 280Hz refresh rate, and a 1ms Visual Response Boost (VRB) for smooth motion. The ZeroFrame design maximizes screen space, and the ErgoStand provides flexible adjustments for optimal viewing comfort.

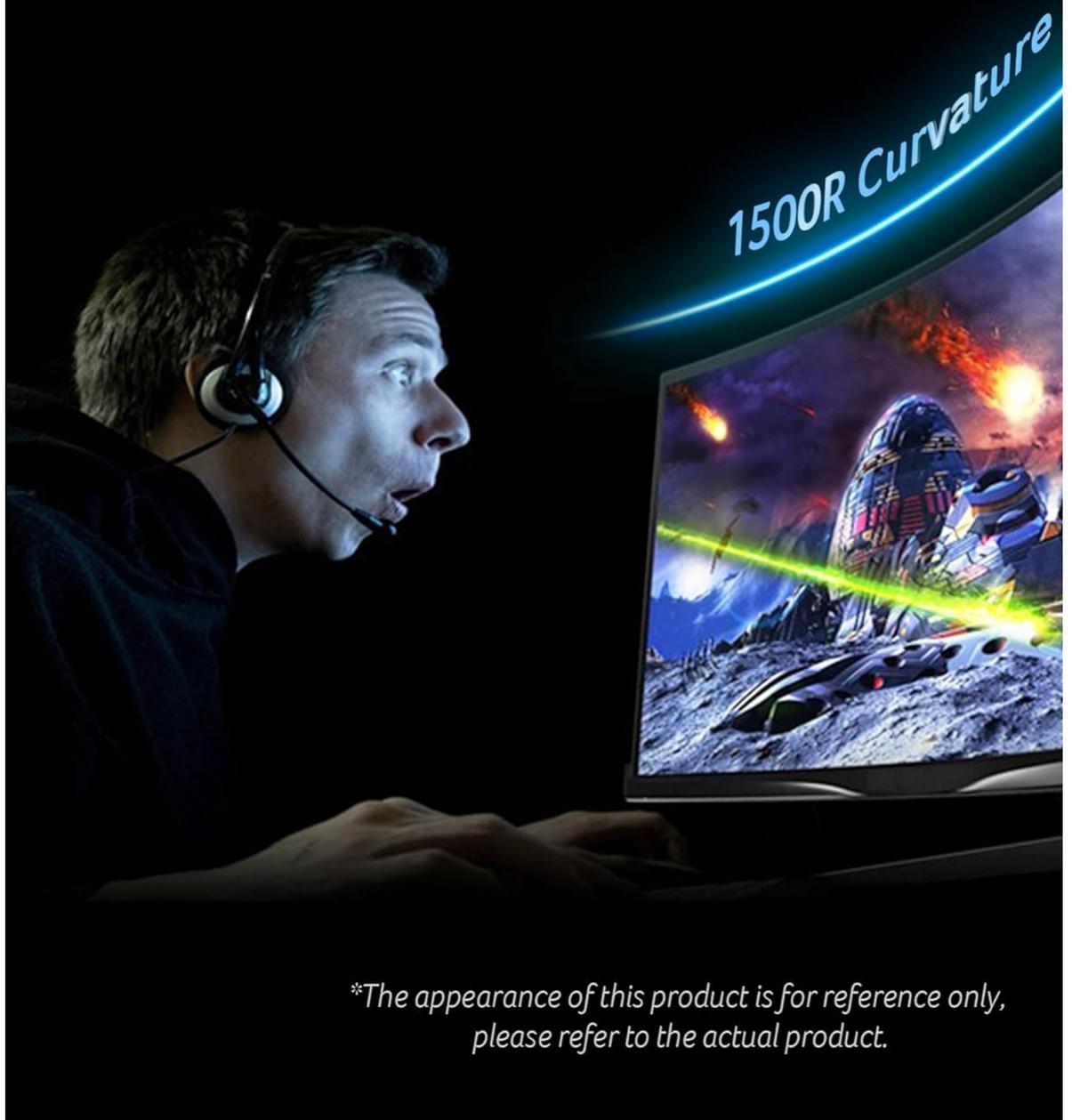
## 2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- Acer Nitro XZ270 Display
- Monitor Stand (Base and Neck)
- Power Cord
- HDMI Cable
- DisplayPort Cable

# 1500R Curvature

## Immersive experience



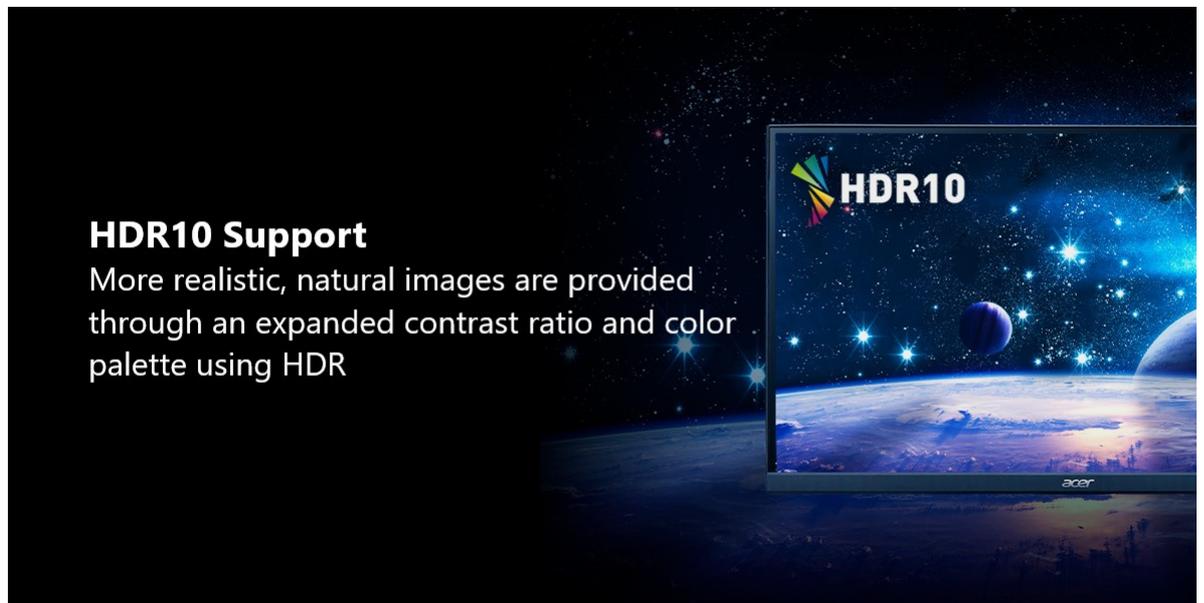
*\*The appearance of this product is for reference only,  
please refer to the actual product.*

Image: Acer Nitro XZ270 monitor with its stand and cables, illustrating the contents of the package.

### 3. SETUP INSTRUCTIONS

#### 3.1 Assembling the Stand

1. Carefully place the monitor face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the back of the monitor until it clicks into place or is secured with screws (refer to the quick start guide for specific model instructions).
3. Attach the stand base to the neck and tighten the screw at the bottom of the base.



## HDR10 Support

More realistic, natural images are provided through an expanded contrast ratio and color palette using HDR

Image: Illustration of the ErgoStand's flexible adjustments, including tilt, swivel, and height, which also implies the assembly process.

### 3.2 Connecting the Monitor

1. Connect the power cord to the monitor's power input and then to a power outlet.
2. Connect one end of the provided HDMI or DisplayPort cable to the corresponding port on your computer's graphics card.
3. Connect the other end of the cable to an available HDMI 2.0 or DisplayPort 1.4 port on the monitor.
4. Turn on your computer and then the monitor. The display should automatically detect the input.

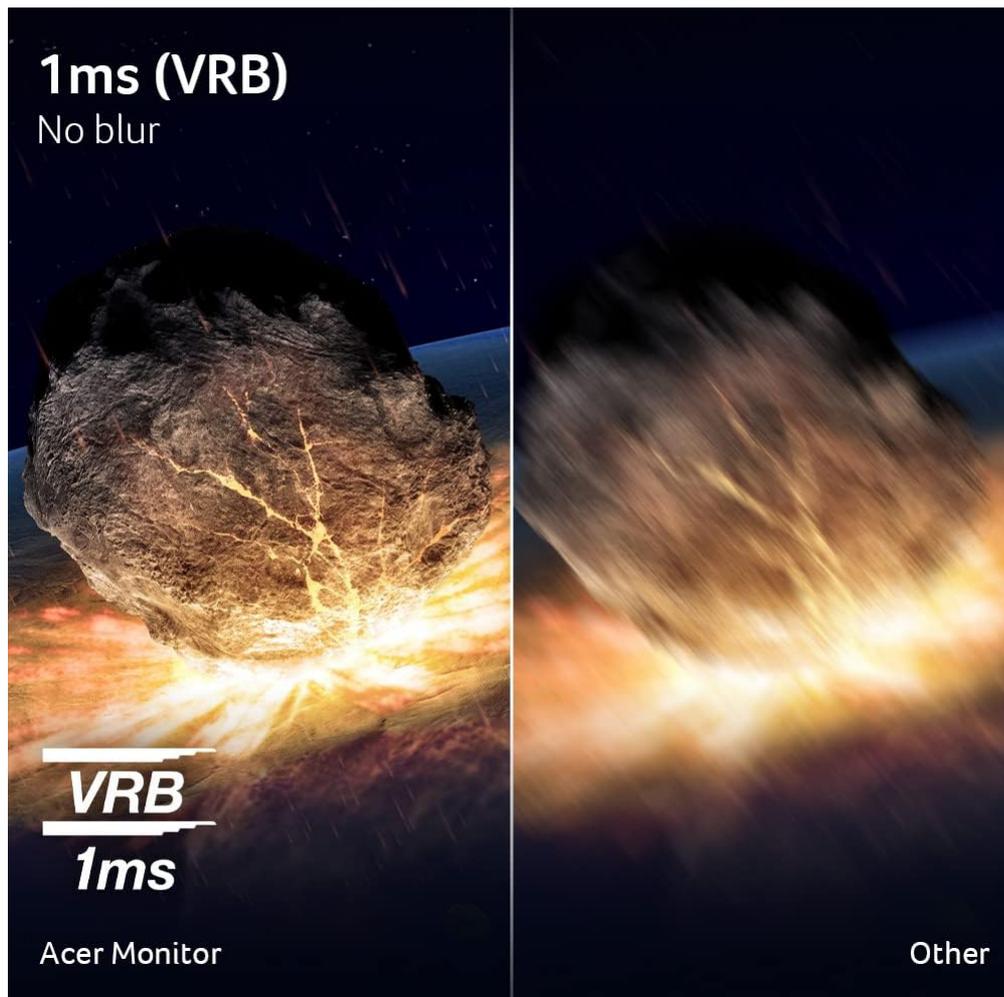


Image: Rear view of the Acer Nitro XZ270 monitor, highlighting the DisplayPort 1.4 and HDMI 2.0 input ports for connecting to a computer.

## 4. OPERATING INSTRUCTIONS

### 4.1 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.

#### 4.2 Adjusting Display Settings

Use the OSD (On-Screen Display) menu to adjust various settings such as brightness, contrast, color temperature, and input source. The OSD menu is typically navigated using buttons or a joystick located on the back or bottom of the monitor.

- **Brightness/Contrast:** Adjust these to suit your viewing environment.
- **Color Settings:** Modify color temperature, gamma, and saturation for optimal visual fidelity.
- **Input Source:** Manually select between DisplayPort and HDMI inputs if auto-detection fails.
- **Refresh Rate:** Ensure your operating system and graphics card settings are configured to utilize the monitor's maximum 280Hz refresh rate for the smoothest experience.
- **AMD FreeSync Premium:** Enable this feature in the OSD menu and your graphics card software for tear-free gaming.
- **1ms VRB (Visual Response Boost):** Activate this setting for reduced motion blur in fast-paced scenes.
- **HDR10 Support:** Enable HDR in your operating system display settings for enhanced contrast and color range.



Image: A visual comparison demonstrating the clarity of Full HD (1920x1080) resolution versus 720p, highlighting the superior detail of FHD.

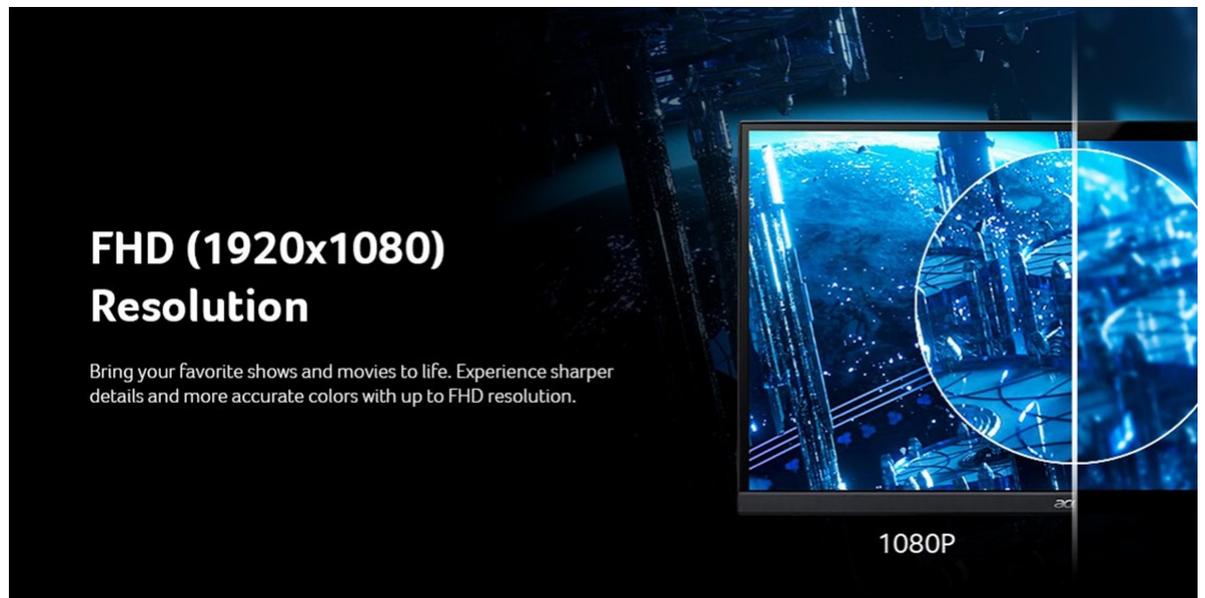


Image: A split-screen comparison illustrating the effect of AMD FreeSync Premium, showing a smooth, tear-free image on one side and screen tearing on the other during fast-paced action.

## 280Hz Refresh Rate

Experience ultra-smooth viewing with faster frame rendering and lower input lag with a rapid refresh rate of 280Hz.



Image: A visual representation comparing the fluidity of a 280Hz refresh rate against a standard 60Hz, demonstrating significantly smoother motion with higher refresh rates.

## AMD FreeSync Premium™

AMD FreeSync™ Premium technology equips users with a fluid, tear-free experience at peak performance.



Image: A split-screen comparison showing the effect of 1ms VRB, with one side displaying a clear, sharp image and the other showing motion blur during a dynamic scene.

## 1ms (VRB)

Enjoy clearer, more immersive gameplay without blurring thanks to a rapid response time of 1ms Visual Response Boost.

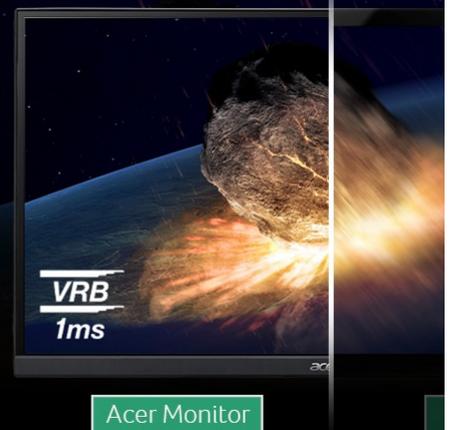


Image: A person engrossed in a game on a 1500R curved monitor, illustrating the immersive visual experience provided by the curvature.

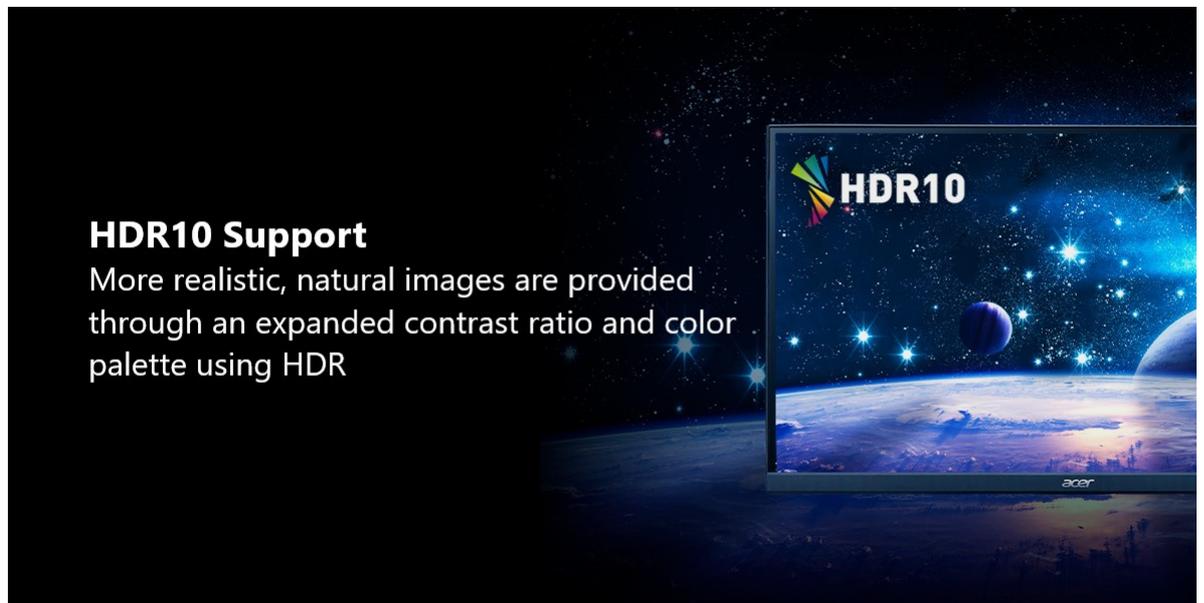


Image: Diagrams illustrating the tilt, swivel, and height adjustment capabilities of the ErgoStand, allowing for ergonomic positioning of the monitor.

## 5. MAINTENANCE

### 5.1 Cleaning the Monitor

- Always unplug the monitor before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive screen cleaner.
- Wipe the screen gently. Avoid applying direct pressure to the screen.
- Do not use alcohol-based cleaners, ammonia, or abrasive chemicals, as these can damage the screen surface.

### 5.2 General Care

- Keep the monitor away from direct sunlight, excessive heat, and humidity.
- Ensure proper ventilation around the monitor to prevent overheating.
- Avoid placing heavy objects on the monitor or its cables.

## 6. TROUBLESHOOTING

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

### 6.1 No Power

- Check if the power cord is securely connected to both the monitor and the power outlet.
- Ensure the power outlet is functioning by plugging in another device.
- Press the monitor's power button to confirm it's turned on.

### 6.2 No Signal / Blank Screen

- Verify that the HDMI or DisplayPort cable is securely connected to both the monitor and your computer.
- Ensure your computer is powered on and not in sleep mode.
- Try selecting the correct input source manually via the monitor's OSD menu.
- Test with a different cable or port if available.

### 6.3 Image Flickering or Tearing

- Ensure AMD FreeSync Premium is enabled in both the monitor's OSD and your graphics card settings.
- Check your display's refresh rate settings in your operating system; ensure it's set to the desired rate (e.g., 280Hz).
- Update your graphics card drivers to the latest version.

### 6.4 Poor Image Quality

- Adjust brightness, contrast, and color settings through the OSD menu.
- Ensure the display resolution in your operating system matches the monitor's native resolution (1920 x 1080).
- Check for any physical damage to the screen or cables.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Acer
Model Series	XZ270
Item Model Number	XZ270 Zbmiiphx

Screen Size	27 Inches
Screen Curvature	1500R
Resolution	Full HD (1920 x 1080)
Max Screen Resolution	1920 x 1080
Refresh Rate	Up to 280Hz
Response Time	1ms (VRB)
Adaptive Sync Technology	AMD FreeSync Premium
HDR Support	HDR10
Panel Type	VA
Aspect Ratio	16:9
Color Saturation	sRGB 99%
Ports	1 x DisplayPort 1.4, 2 x HDMI 2.0
VESA Mounting	100 x 100mm
Ergonomic Adjustments	Tilt: -5° to 20°, Swivel: +/- 15°, Height: 3.93"
Item Weight	13.75 pounds
Product Dimensions (LxWxH)	6.14 x 24.06 x 18 inches
Color	Black
Date First Available	December 1, 2024

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Acer support website. Keep your purchase receipt for warranty claims.

Acer offers various protection plans. For details, please visit the [Acer Store on Amazon](#) or contact Acer customer service.