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Model: ED306C Xbmiippx (UM.RE6AA.X01)

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1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your Acer Nitro ED306C Xbmiippx 29.5-inch UWFHD Curved Gaming Monitor. This monitor is designed to deliver an immersive visual experience with its 1500R curved display, UWFHD (2560 x 1080) resolution, and high-performance features like AMD FreeSync Premium, a 200Hz refresh rate, and 1ms Visual Response Boost (VRB).

Please read this manual thoroughly before using your monitor to ensure proper installation and optimal performance. Keep this manual for future reference.



Figure 1: Acer Nitro ED306C Xbmiipxx 29.5-inch Curved Gaming Monitor

2. WHAT'S IN THE BOX

Verify that all the following items are included in your package:

- Monitor
- Stand Base
- Stand Neck
- Power Cord
- HDMI Cable
- Display Port Cable



Figure 2: Monitor, stand, and cables included in the package.

3. SETUP INSTRUCTIONS

3.1 Assembling the Stand

1. Carefully remove the monitor from its packaging, placing it face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the back of the monitor by aligning the tabs and pushing until it clicks into place.
3. Attach the stand base to the stand neck. Secure it with the captive screw located on the underside of the base.
4. Ensure all connections are firm and stable before proceeding.



Figure 3: Rear view of the monitor with the stand assembled.

3.2 Connecting the Monitor

Connect the monitor to your computer or other devices using the appropriate cables.

- **Power Connection:** Connect the power cord to the monitor's power input and then to a power outlet.
- **DisplayPort Connection:** For optimal performance (up to 200Hz refresh rate), connect one end of the included DisplayPort 1.4 cable to the monitor's DisplayPort input and the other end to your computer's DisplayPort output.
- **HDMI Connection:** Alternatively, connect one end of an HDMI 2.0 cable to one of the monitor's HDMI inputs and the other end to your computer's or console's HDMI output.
- **Audio Output:** If desired, connect external speakers or headphones to the audio output jack on the monitor.



Figure 4: Available ports on the monitor (DisplayPort, HDMI).

4. OPERATING THE MONITOR

4.1 Power On/Off

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

4.2 On-Screen Display (OSD) Navigation

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

- **Joystick/Buttons:** Press to open the OSD menu. Move up/down/left/right to navigate options. Press again to select.
- **Exit:** Use the designated button or joystick direction to exit the OSD menu.

4.3 Adjusting Settings

Key settings you can adjust include:

- **Picture:** Adjust Brightness, Contrast, and other visual parameters.
- **Color:** Fine-tune color temperature, gamma, and color space (e.g., HDR).
- **Audio:** Control volume for built-in speakers or connected audio devices.
- **Gaming:** Enable or disable features like AMD FreeSync Premium, adjust Over Drive, VRB (Visual Response Boost) for 1ms response time, and Ultra-Low Latency.
- **OSD:** Customize OSD timeout and transparency.
- **System:** General system settings, input selection, and factory reset.

4.4 Key Features

- **1500R Curved Display:** The 1500R curvature provides an immersive viewing experience, wrapping the action around your field of vision and reducing eye strain.



Figure 5: The 1500R curved display enhances immersion.

- **UWFHD (2560 x 1080) Resolution:** Experience crisp, true-to-life colors and sharp details with the Ultrawide Full High Definition resolution.



Figure 6: UWFHD resolution for detailed visuals.

- **200Hz Refresh Rate:** Enjoy ultra-smooth viewing with faster frame rendering and lower input lag, crucial for fast-paced gaming.



Figure 7: High 200Hz refresh rate for fluid motion.

- **1ms VRB (Visual Response Boost):** Achieve clearer, more immersive gameplay without blurring thanks to a rapid 1ms response time.

1500R Curved Display



Figure 8: 1ms VRB minimizes motion blur.

- **AMD FreeSync Premium:** This technology synchronizes the monitor's refresh rate with your graphics card's frame rate, eliminating screen tearing and stuttering for a smooth gaming experience.



Figure 9: AMD FreeSync Premium ensures tear-free gaming.

- **HDR10 Support:** Enjoy more realistic and natural images with an expanded contrast ratio and color palette.

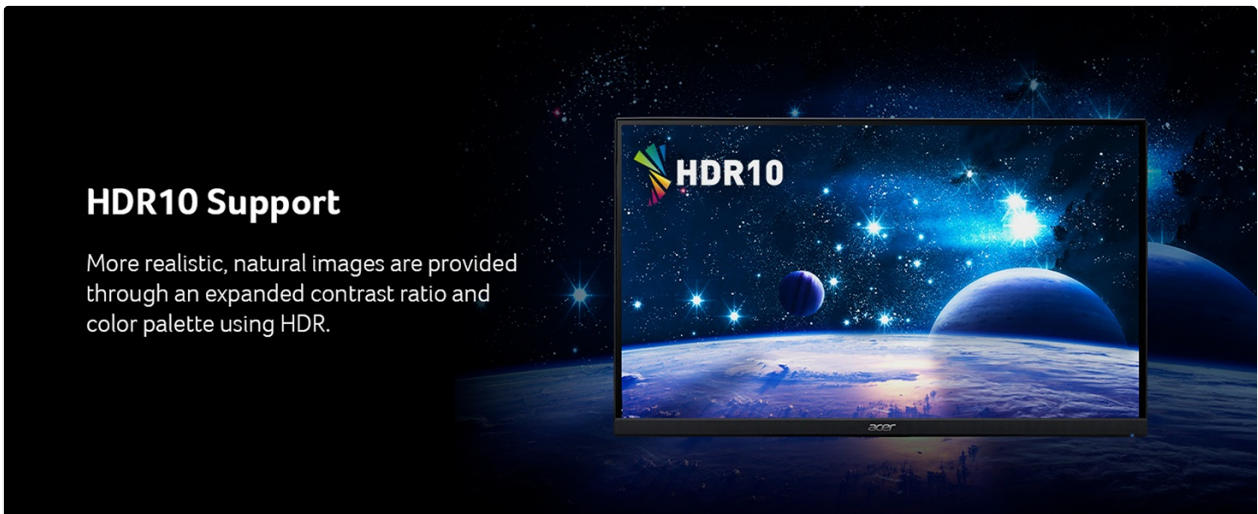
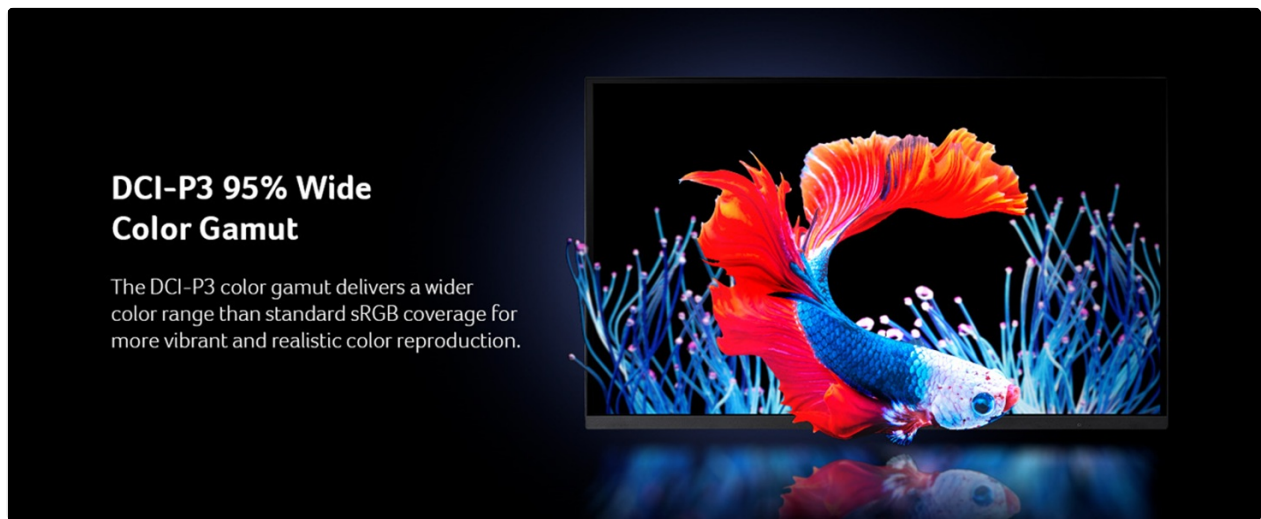


Figure 10: HDR10 support for vibrant and detailed images.

- **DCI-P3 95% Wide Color Gamut:** Delivers a wider color range than standard sRGB, resulting in more vibrant and realistic color reproduction.

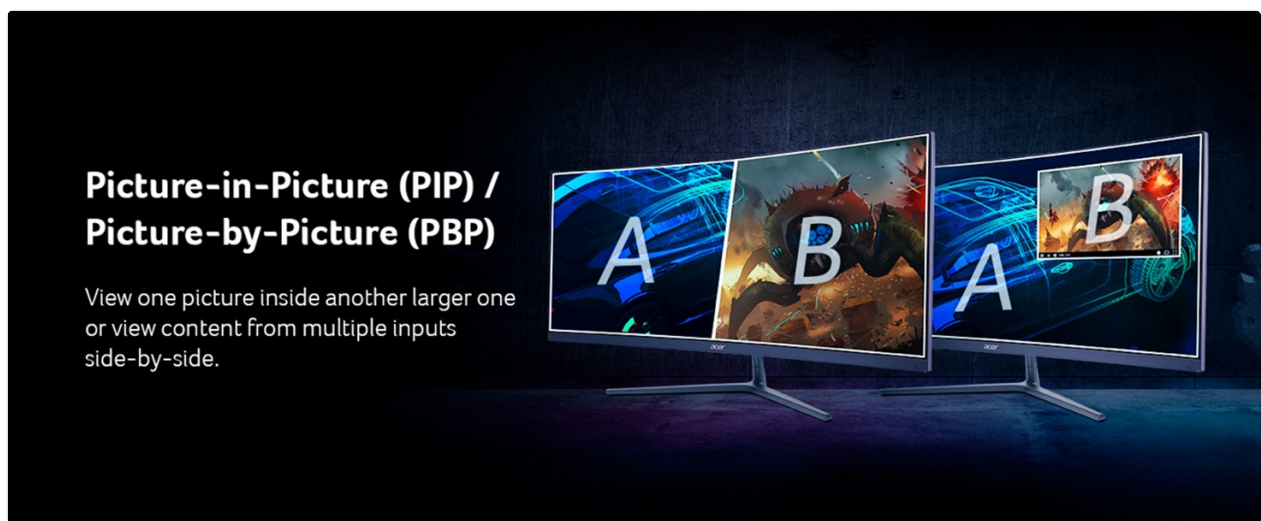


DCI-P3 95% Wide Color Gamut

The DCI-P3 color gamut delivers a wider color range than standard sRGB coverage for more vibrant and realistic color reproduction.

Figure 11: DCI-P3 95% Wide Color Gamut for superior color accuracy.

- **Picture-in-Picture (PIP) / Picture-by-Picture (PBP):** View content from multiple inputs simultaneously, either one picture inside another or side-by-side.



Picture-in-Picture (PIP) / Picture-by-Picture (PBP)

View one picture inside another larger one or view content from multiple inputs side-by-side.

Figure 12: PIP and PBP modes for multitasking.

5. CARE AND MAINTENANCE

Proper care ensures the longevity and optimal performance of your monitor.

- **Cleaning the Screen:**
 - Always turn off the monitor and unplug the power cord before cleaning.
 - Use a soft, lint-free cloth lightly dampened with water or a specialized screen cleaner.
 - Do not spray cleaner directly onto the screen.
 - Avoid using abrasive cleaners, alcohol, or ammonia-based solutions, as they can damage the screen surface.
- **Cleaning the Casing:**
 - Use a soft, dry cloth to wipe the monitor casing.
 - Avoid harsh chemicals that could discolor or damage the plastic.
- **General Care:**
 - Avoid placing heavy objects on the monitor or its cables.
 - Do not block ventilation openings.
 - Keep the monitor away from direct sunlight, excessive heat, and moisture.

- 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 problems and solutions:

Problem	Possible Solution
No image on screen	<ul style="list-style-type: none">• Ensure the power cable is securely connected to the monitor and a power outlet.• Check that the video cable (DisplayPort or HDMI) is securely connected to both the monitor and your computer/device.• Verify that the correct input source is selected in the monitor's OSD menu.• Ensure your computer/device is powered on and not in sleep mode.
Image is blurry or distorted	<ul style="list-style-type: none">• Adjust the resolution settings on your computer to match the monitor's native resolution (2560 x 1080).• Check the video cable for damage or loose connections.• Perform an OSD menu reset to factory defaults.
Screen flickering	<ul style="list-style-type: none">• Ensure the refresh rate is set correctly in your computer's display settings (up to 200Hz).• If using AMD FreeSync Premium, ensure your graphics card drivers are up to date.• Try a different video cable or port.
No sound from speakers	<ul style="list-style-type: none">• Check the volume settings in the monitor's OSD menu and on your computer.• Ensure the audio output is correctly configured on your computer.• If using HDMI/DisplayPort, ensure your computer is sending audio through the video cable.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Acer
Model Name	Acer Nitro ED306C Xbmiippx
Model Number	UM.RE6AA.X01
Screen Size	29.5 Inches
Resolution	UWFHD (2560 x 1080)
Aspect Ratio	21:9
Curvature	1500R
Refresh Rate	Up to 200 Hz (via DisplayPort)
Response Time	1ms (VRB)
Panel Type	VA
Brightness	350 nits
Contrast Ratio	100,000,000:1 (Dynamic)
Viewing Angle	178 Degrees (Horizontal/Vertical)
Adaptive Sync Technology	AMD FreeSync Premium
Video Inputs	2 x HDMI 2.0, 1 x DisplayPort 1.4
Audio	2 x 2W Built-in Speakers, Audio Out
Ergonomics	Tilt: -5° to 20°
VESA Mount Compatible	Yes
Dimensions (W x D x H)	27.6" x 7.88" x 15.74" (with stand)
Weight	6.76 Kilograms

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Your Acer Nitro ED306C Xbmiippx monitor comes with a **3-year parts and labor manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use during the warranty period. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Acer support website.

8.2 Technical Support

If you require technical assistance, have questions about your product, or need to initiate a warranty claim, please contact Acer customer support:

- **Website:** Visit the official Acer Support website for FAQs, driver downloads, and service contact information.
- **Phone Support:** Refer to your product documentation for regional phone numbers.

When contacting support, please have your monitor's model name (Acer Nitro ED306C Xbmiippx) and serial number (UM.RE6AA.X01) readily available.

