

Acer Nitro XV271U M3bmiiprx

Acer Nitro XV271U M3bmiiprx Gaming Monitor User Manual

Comprehensive guide for setting up, operating, and maintaining your Acer Nitro 27" WQHD PC Gaming IPS Monitor.

INTRODUCTION

The Acer Nitro XV271U M3bmiiprx is a 27-inch WQHD (2560 x 1440) IPS PC Gaming Monitor designed for an immersive gaming experience. It features AMD FreeSync Premium technology, a high refresh rate of up to 180Hz, and a rapid response time of 0.5ms (G to G) to ensure smooth, tear-free visuals. The monitor also supports DCI-P3 95% color gamut and HDR10 for brilliant and enhanced contrasts. Its ergonomic stand allows for flexible adjustments, and it offers multiple connectivity options.



Figure 1: Acer Nitro XV271U M3bmii prx 27-inch WQHD PC Gaming IPS Monitor.

WHAT'S IN THE BOX

Verify that all components are present in the packaging:

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

KEY FEATURES

- **Display:** 27" WQHD (2560 x 1440) Widescreen IPS PC Gaming Monitor.
- **Adaptive Sync:** AMD FreeSync Premium Technology for tear-free gaming.
- **Performance:** Refresh Rate up to 180Hz (Display Port) / 144Hz (HDMI Port) and Response Time up to 0.5ms (G to G).
- **Color Accuracy:** DCI-P3 95% color gamut for brilliant colors.
- **High Dynamic Range:** HDR10 Support for enhanced contrasts.

- **Audio:** Integrated 2 Speakers, 2 Watts Per Speaker.
- **Ergonomics:** Ergostand with Tilt (-5° to 25°), Height Adjustment (4.7"), Swivel (360°), and Pivot (+/- 90°).
- **Mounting:** VESA Mounting Compliant (100 x 100mm).
- **Connectivity:** 1 x Display Port 1.2, 2 x HDMI 2.0 Ports, and 1 x Audio Out Port.

SETUP GUIDE

1. Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck, securing it with the provided screw.
3. Align the stand assembly with the mounting holes on the back of the monitor.
4. Gently push the stand into place until it clicks securely. Ensure it is firmly attached.

DCI-P3 95%
Brilliant colors



DCI-P3 95%

Figure 2: The Ergostand allows for height, tilt, swivel, and pivot adjustments.

2. Connecting the Monitor

1. Connect the power cord to the monitor's power input and then to a power outlet.
2. Choose your preferred video input:
 - **DisplayPort:** Connect one end of the DisplayPort cable (included) to the monitor's DisplayPort 1.2 input and the other end to your computer's DisplayPort output. This connection supports up to 180Hz refresh rate.
 - **HDMI:** Connect one end of an HDMI cable (included) to one of the monitor's HDMI 2.0 inputs and the other end to your computer's HDMI output. This connection supports up to 144Hz refresh rate.
3. For external audio, connect speakers or headphones to the Audio Out Port on the monitor.





Figure 3: Side and back views illustrating the monitor's connectivity ports.

OPERATING INSTRUCTIONS

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 active.

On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the navigation buttons (typically located on the back or bottom right of the monitor) to access and navigate the menu. Common settings include:

- **Picture:** Brightness, Contrast, Color Temperature, Gamma.

- **Gaming:** Overdrive, Aim Point, Refresh Rate Num.
- **Input:** Select between DisplayPort and HDMI inputs.
- **Audio:** Volume control.

Optimizing Display Settings

To fully utilize the monitor's capabilities, ensure your computer's display settings are configured correctly:

- **Resolution:** Set the display resolution to 2560 x 1440 (WQHD) for optimal clarity.

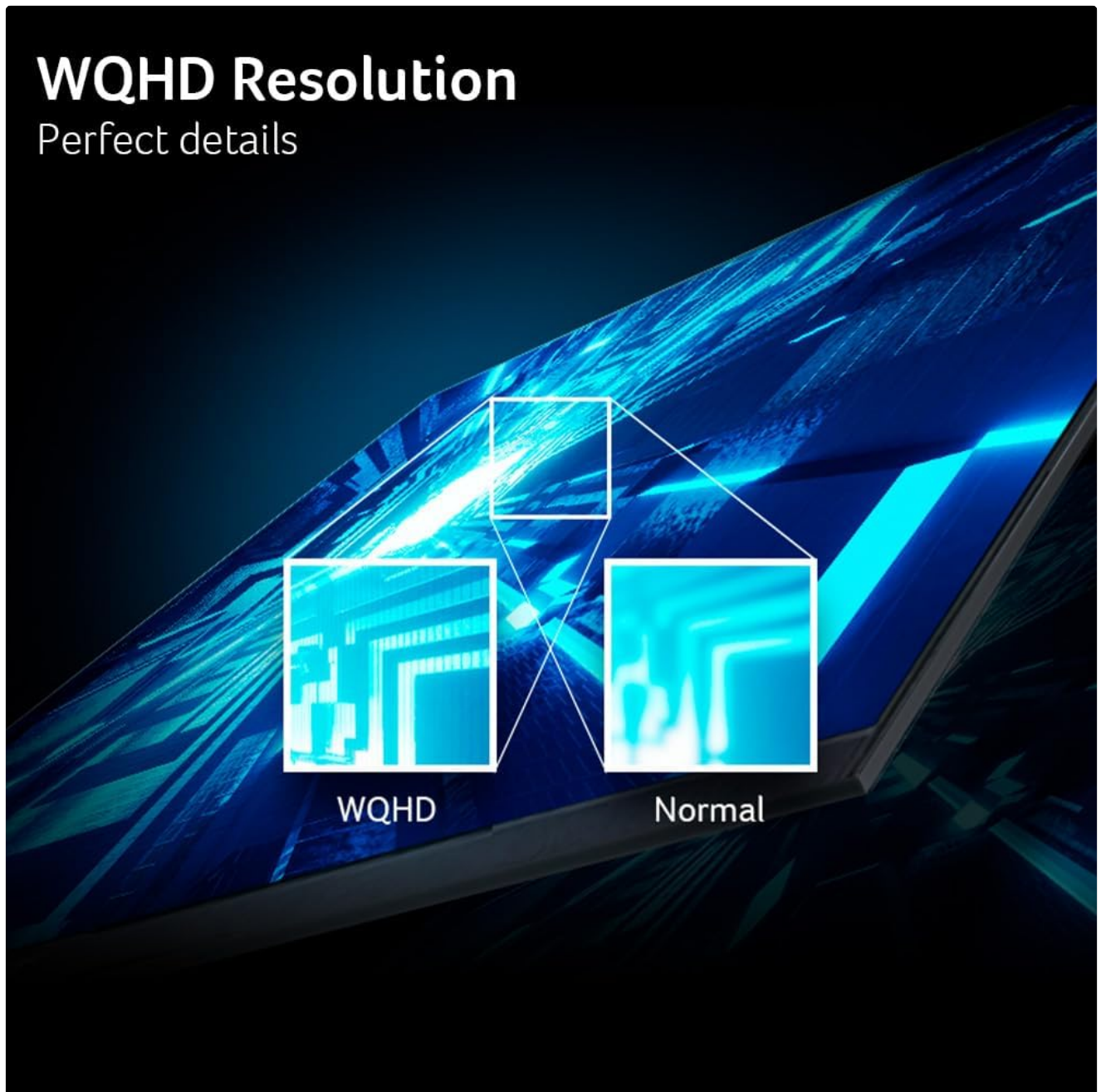


Figure 4: WQHD resolution provides superior detail compared to standard resolutions.

- **Refresh Rate:** Set the refresh rate to 180Hz (if using DisplayPort) or 144Hz (if using HDMI) in your operating system's display settings.

180Hz Refresh Rate

No more blur



Figure 5: High refresh rates like 180Hz reduce motion blur for smoother visuals.

- **AMD FreeSync Premium:** Enable FreeSync in both your monitor's OSD menu and your graphics card's control panel (AMD Radeon Software) for tear-free and stutter-free gaming.

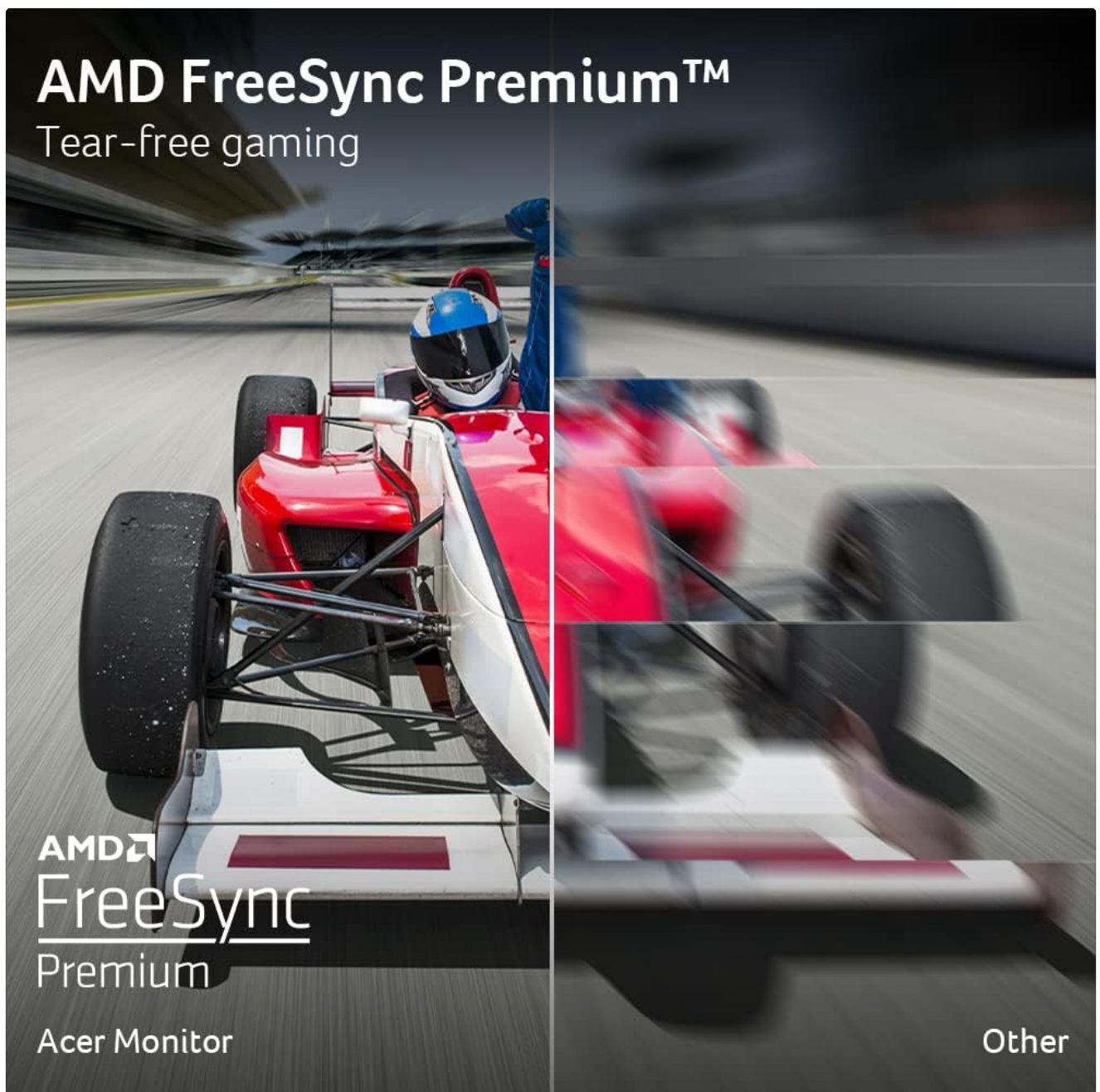


Figure 6: AMD FreeSync Premium synchronizes the monitor's refresh rate with the GPU's frame rate.

- **Response Time:** The monitor offers a rapid 0.5ms (G to G) response time to minimize ghosting and blurring in fast-paced scenes.

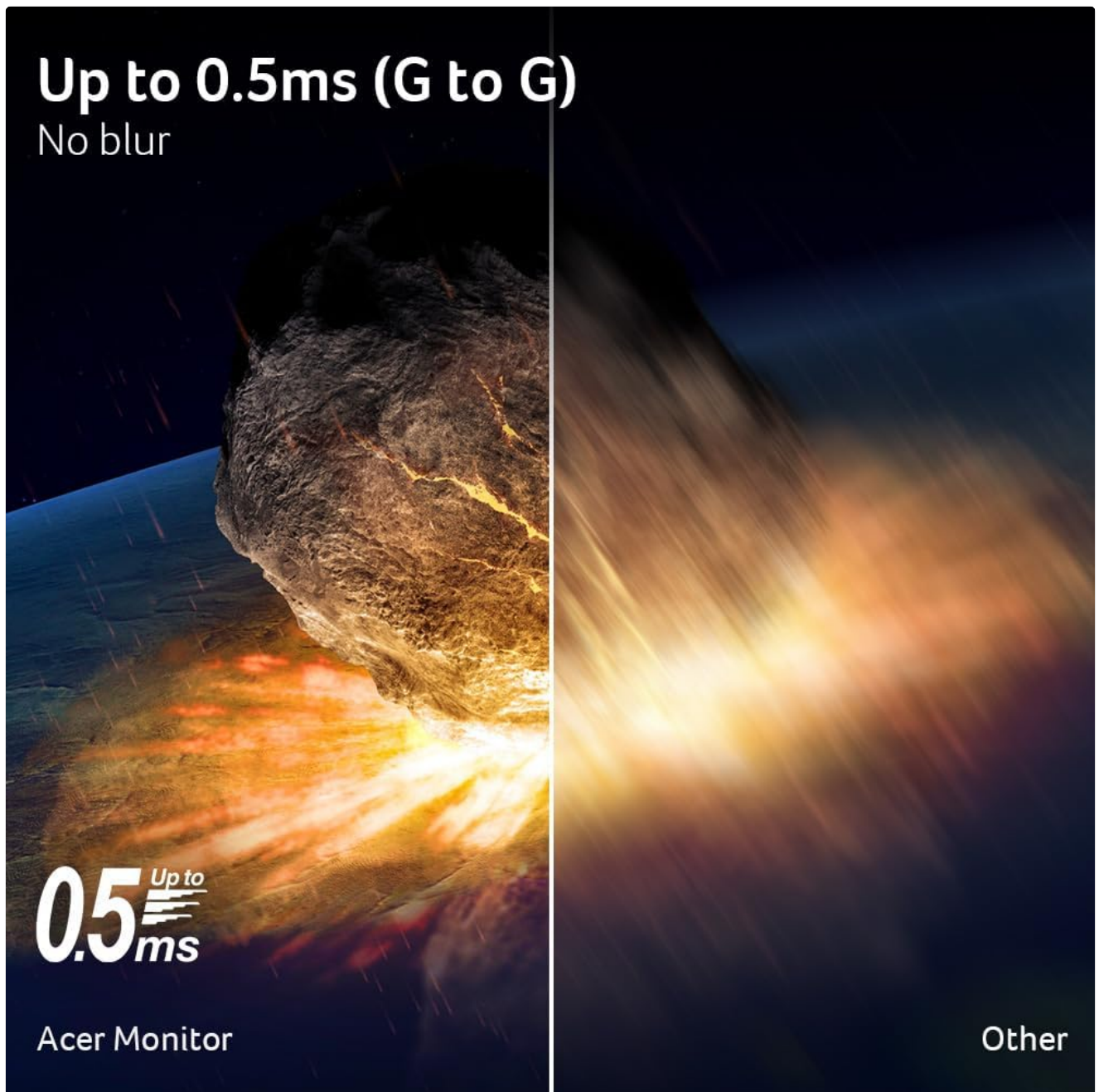


Figure 7: A 0.5ms GtG response time ensures clear images without blurring during rapid motion.

- **Color and HDR:** Adjust color settings and enable HDR10 in your operating system and monitor OSD for vibrant and realistic visuals. The monitor covers DCI-P3 95% for brilliant colors.

Ergostand

Flexible adjustments



**Image used are for illustration purposes only.
Actual product may differ from images shown.*



Figure 8: DCI-P3 95% and HDR10 support provide a wide color palette and enhanced contrast.

MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth slightly dampened with water or a non-abrasive screen cleaner. Avoid using alcohol or ammonia-based cleaners.
- **Cleaning the Casing:** Wipe the monitor casing with a soft, dry cloth.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off:** Always turn off the monitor and unplug it from the power outlet before cleaning or if it will be unused for an extended period.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on screen	Power cable not connected; Video cable not connected; Incorrect input selected.	Ensure power cable is securely connected. Check video cable connections (DisplayPort/HDMI). Select the correct input source via the OSD menu.
Image is blurry or distorted	Incorrect resolution or refresh rate settings.	Set display resolution to 2560 x 1440 and refresh rate to 180Hz (DP) or 144Hz (HDMI) in your computer's display settings.
Screen tearing or stuttering during gaming	AMD FreeSync Premium not enabled or not functioning correctly.	Ensure AMD FreeSync Premium is enabled in both the monitor's OSD and your graphics card's control panel. Verify your graphics card drivers are up to date.
Dead pixel(s) on screen	Manufacturing defect.	While a single dead pixel may not always be covered under warranty, if multiple pixels are affected or if it significantly impacts usability, contact Acer customer support for assistance.
No sound from speakers	Volume too low; Incorrect audio output selected on computer; Audio cable not connected (if using external speakers).	Increase monitor volume via OSD. Ensure the monitor is selected as the default audio output device in your computer's sound settings. If using external speakers, check their connection to the monitor's Audio Out port.

SPECIFICATIONS

Feature	Detail
Standing screen display size	27 Inches
Screen Resolution	2560x1440 (WQHD)
Max Screen Resolution	2560 x 1440
Series	Nitro XV271U M3bmiiprx
Item model number	UM.HX1AA.301
Item Weight	12.13 pounds
Product Dimensions	9.2 x 24.2 x 18 inches (LxWxH)
Color	Black
Manufacturer	Acer
Date First Available	June 16, 2023
Screen Size	27 Inches
Resolution	QHD Wide 1440p
Aspect Ratio	16:9

Feature	Detail
Screen Surface Description	Glossy





Figure 9: Product dimensions for the Acer Nitro XV271U M3bmiprx monitor.

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Acer website or the user guide provided with your product.

You can also download the official User Guide (PDF) for this product:

[Download User Guide \(PDF\)](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question