

BenQ SW272U

BenQ SW272U 27-inch 4K USB-C Photographer Monitor Instruction Manual

Model: SW272U

1. INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your BenQ SW272U 27-inch 4K USB-C Photographer Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and longevity.

The BenQ SW272U is designed for professional photographers and videographers, offering a 27-inch 4K UHD display with 99% Adobe RGB, DCI-P3, and Display P3 color space coverage. It features a Nano Matte Panel with TUV anti-reflection certification, 16-bit 3D LUT, and HDR support for precise color reproduction and screen-to-print consistency.



Image: The BenQ SW272U monitor displaying a vibrant landscape, highlighting its suitability for photo and video editing tasks.

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- BenQ SW272U Monitor Unit
- Monitor Stand (Base and Neck)
- Power Cable
- HDMI Cable
- DisplayPort Cable
- USB-C Cable
- USB-B to USB-A Cable
- Hotkey Puck G3
- Shading Hood
- Quick Start Guide

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.
3. Attach the stand base to the stand neck and tighten the screw from underneath the base.
4. Place the assembled monitor on a stable, flat surface.
5. Install the shading hood by aligning it with the grooves on the monitor and securing it.

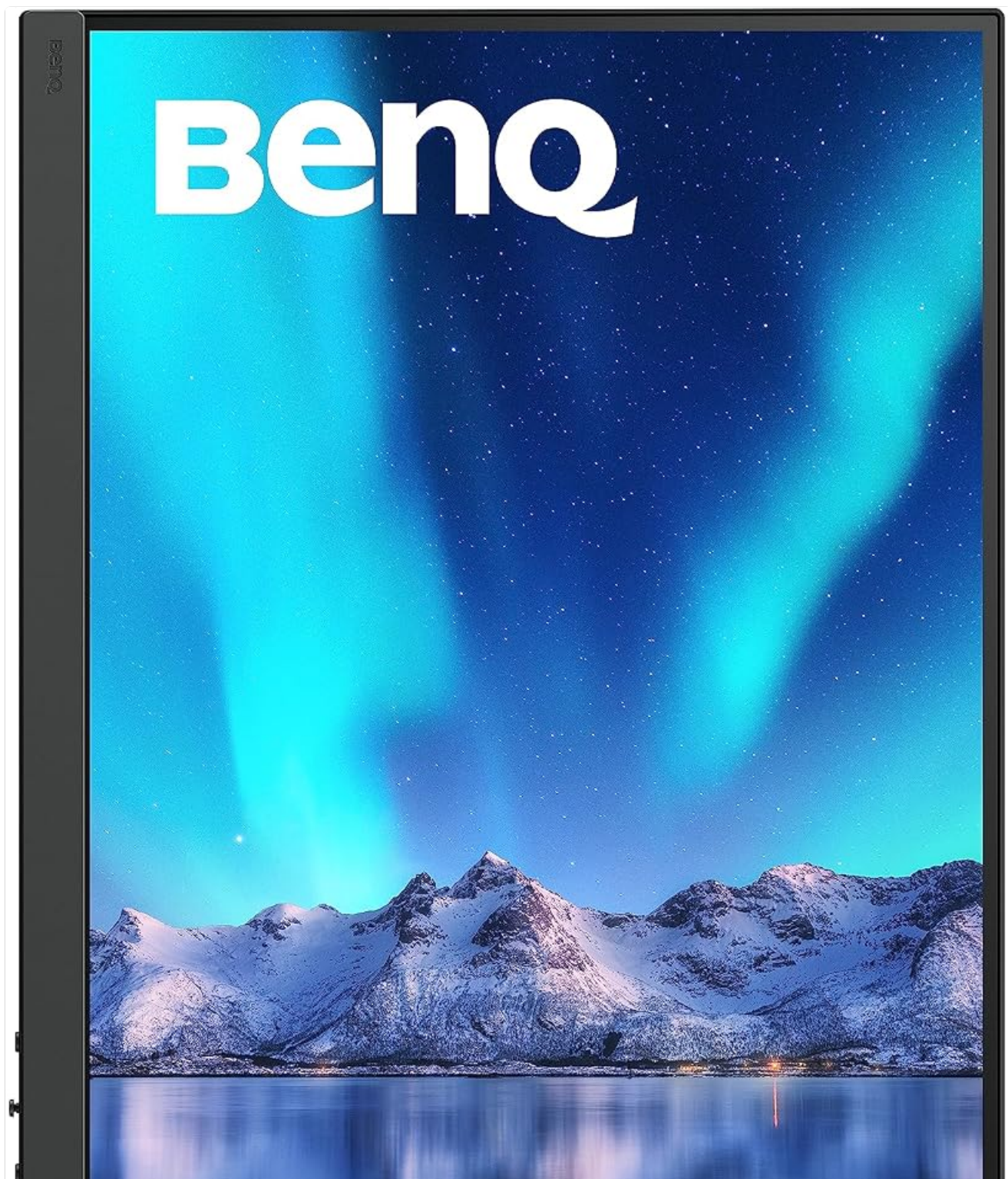




Image: Front view of the BenQ SW272U monitor with its shading hood installed, ready for use.

3.2 Connecting to Your Computer

The BenQ SW272U offers multiple connectivity options:

- **USB-C (90W Power Delivery):** Connect a single USB-C cable to your computer for video, audio, data transfer, and up to 90W power delivery. This is ideal for laptops.
- **DisplayPort 1.4:** Use the DisplayPort cable for high-resolution video and audio.
- **HDMI 2.0 (x2):** Connect via HDMI for video and audio from various devices.
- **USB 3.0 Hub (x4):** Connect peripherals directly to the monitor's USB ports.
- **SD Card Reader:** Conveniently transfer files from your SD cards.
- **Headphone Jack:** Connect headphones for audio output.

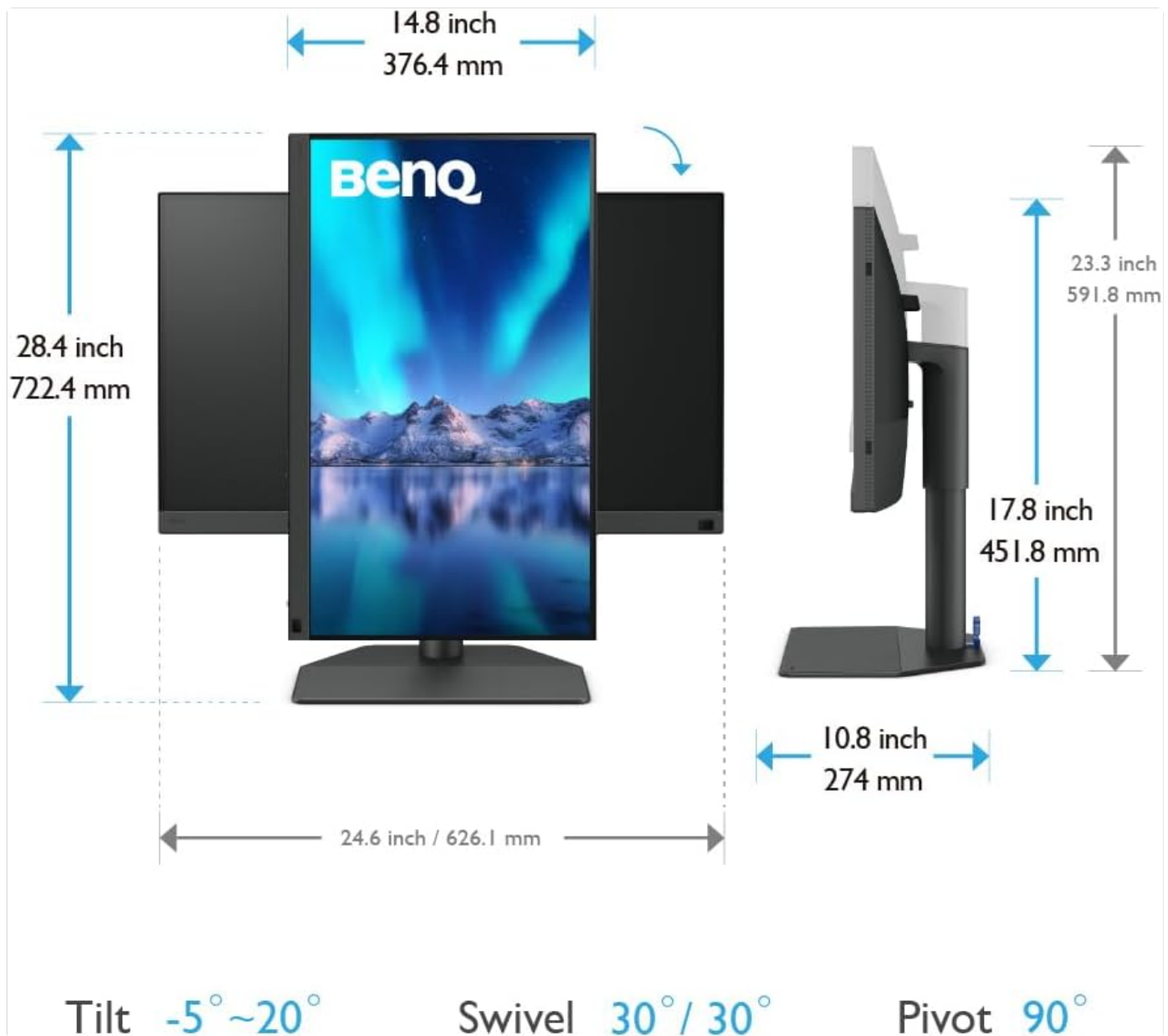


Image: A detailed view of the BenQ SW272U monitor's rear ports, including HDMI, DisplayPort, USB-C, USB-B, USB 3.0, headphone jack, and SD card reader.

After connecting the necessary cables, connect the power cable to the monitor and a power outlet. Press the power button to turn on the monitor.

4. OPERATING THE MONITOR

4.1 On-Screen Display (OSD) Navigation

The monitor's settings can be adjusted using the OSD menu, typically accessed via buttons on the monitor or the included Hotkey Puck G3.

4.2 Hotkey Puck G3

The Wireless Hotkey Puck G3 provides quick access to various monitor settings and color modes, enhancing workflow efficiency. It features a dial for navigation and three customizable function keys.



Image: The BenQ Wireless Hotkey Puck G3, a circular remote with a central dial and three numbered buttons, designed for quick monitor control.

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Video: This video demonstrates the functionality of the BenQ Wireless Hotkey Puck G3, showing how it can be used to adjust brightness, switch between color space settings (Adobe RGB, sRGB, DCI-P3), and access monitor information, improving work efficiency.

4.3 Color Modes

The monitor supports various color modes, including Adobe RGB, sRGB, DCI-P3, and Display P3. These can be selected via the OSD or Hotkey Puck G3 to match your specific workflow requirements.

5. COLOR CALIBRATION WITH PALETTE MASTER ULTIMATE

The BenQ SW272U monitor is designed for precise color accuracy, which is maintained through hardware calibration using the Palette Master Ultimate (PMU) software.

5.1 Why Palette Master Ultimate?

BenQ developed Palette Master Ultimate in-house to provide faster and more accurate calibration, incorporating advanced features and user feedback. This software significantly reduces calibration time and improves color accuracy compared to previous versions.

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Video: This video explains the rationale behind BenQ's development of its own calibration software, Palette Master Ultimate (PMU), highlighting the need for faster and more accurate calibration based on customer feedback.

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Video: This video details the technology behind Palette Master Ultimate (PMU) that allows it to shorten calibration time by 50% compared to its predecessor, Palette Master Element (PME), through optimized hardware and algorithms.

5.2 Calibration Process

To perform hardware calibration:

1. Download and install the latest Palette Master Ultimate software from the BenQ website.
2. Connect a supported calibrator (e.g., i1Display Pro, ColorChecker Display Pro) to your computer and the monitor.
3. Launch Palette Master Ultimate and follow the on-screen instructions to select your monitor model and calibrator.
4. Choose your desired calibration target (e.g., Photography Adobe RGB, Web Design sRGB).
5. Place the calibrator on the designated area of the screen and initiate the calibration process.
6. The software will automatically adjust the monitor's internal lookup table (LUT) for optimal color accuracy.
7. Upon completion, a calibration report will be generated, showing the results and confirming accuracy (average ΔE^*00 value of less than 0.5 is achievable).

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Video: This video illustrates the step-by-step process of how Palette Master Ultimate calibration works, from initial settings to placing the calibrator and generating a report.

5.3 Supported Calibrators

Palette Master Ultimate supports a wide range of calibrators, including models from X-rite, Calibrite, and Datacolor. For a complete and up-to-date list of supported devices, please refer to the BenQ official website or the Palette Master Ultimate software documentation.

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Video: This video provides information on which BenQ SW series monitors and third-party calibrators are supported by the Palette Master Ultimate software.

6. KEY FEATURES

6.1 Nano Matte Panel with TUV Anti-Reflection Certification

The Nano Matte Panel minimizes glare and reflections, providing a clear and consistent viewing experience, crucial for accurate color work. This feature helps simulate paper texture on-screen for improved soft proofing.

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Video: This video demonstrates the effectiveness of the anti-glare fine-coated panel on the BenQ SW272U monitor, comparing it to a previous model and showing how it eliminates glare and reflections.



Image: A side-by-side comparison illustrating the reduced glare and reflections on the BenQ SW272U's Nano Matte Panel compared to a standard glossy screen.

6.2 Wide Color Gamut

The SW272U covers 99% of Adobe RGB, DCI-P3, and Display P3 color spaces, ensuring that your work is displayed with accurate and vibrant colors, critical for professional applications.

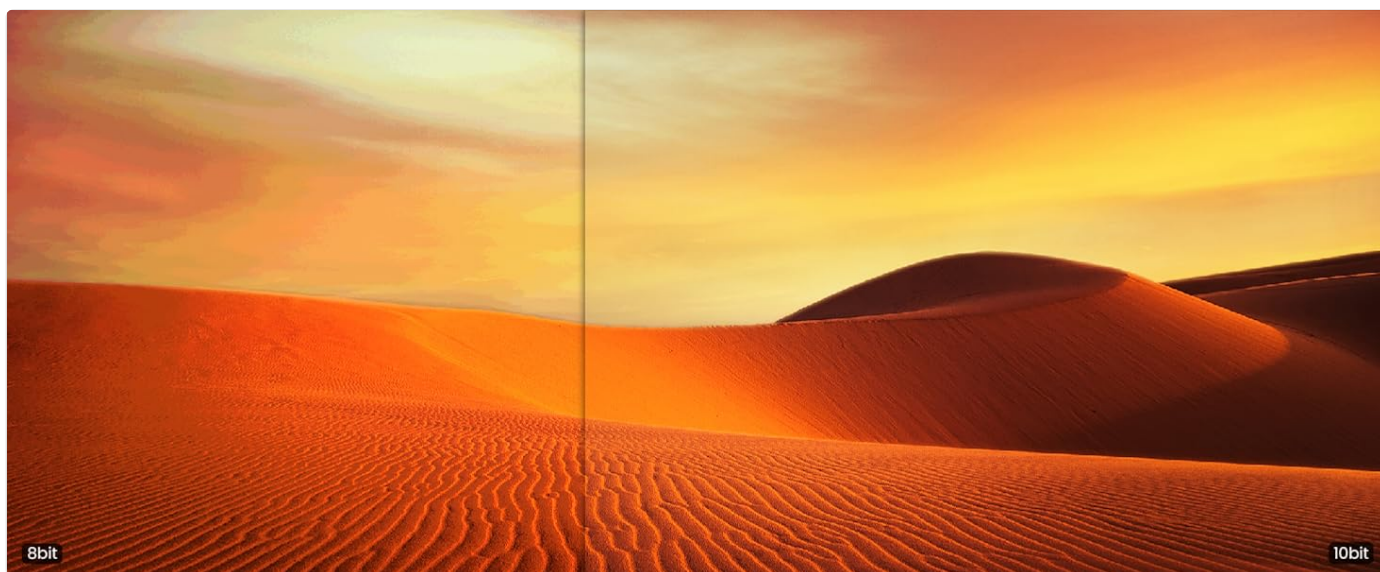


Image: A visual representation of the wide color gamut supported by the BenQ SW272U, including Adobe RGB, DCI-P3, and Display P3.

6.3 Paper Color Sync

BenQ's Paper Color Sync technology allows you to simulate print results on your screen by selecting the color gamut, printer model, and paper type. This ensures screen-to-print consistency, reducing wasted prints and improving workflow efficiency.



Image: A visual showing the BenQ SW272U monitor displaying an image alongside a printed version, demonstrating the screen-to-print consistency achieved with Paper Color Sync technology.

6.4 USB-C Connectivity with 90W Power Delivery

The integrated USB-C port provides a single-cable solution for video, audio, data transfer, and up to 90W power delivery to your connected laptop or device, simplifying your workspace.



Compatible with Thunderbolt Mac /Windows Devices.

Image: A BenQ SW272U monitor connected to a laptop via a single USB-C cable, illustrating the convenience of 90W power delivery and data transfer.

7. SPECIFICATIONS

Feature	Specification
Brand	BenQ
Model Number	SW272U
Screen Size	27 Inches
Resolution	4K UHD 3840 x 2160 Pixels

Aspect Ratio	16:9
Display Type	IPS LCD
Refresh Rate	60 Hz
Response Time	5 Milliseconds
Brightness	400 nits
Contrast Ratio	1000:1
Color Gamut	99% Adobe RGB / DCI-P3 / Display P3
Connectivity	DisplayPort, HDMI (x2), USB Type-C (90W), USB 3.0 (x4), Headphone Jack, SD Card Reader
Special Features	Nano Matte Panel, TUV Anti-Reflection, Hardware Calibration, HDR, Hotkey Puck G3, Height/Pivot/Swivel Adjustment
Item Dimensions (DxWxH)	10.78"D x 24.17"W x 17.78"H
Item Weight	18.95 Pounds

8. MAINTENANCE

8.1 Cleaning the Monitor

- Always power off and unplug the monitor before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive screen cleaner.
- Gently wipe the screen and exterior surfaces. Avoid spraying liquid directly onto the screen or into any openings.
- Do not use alcohol, ammonia, or abrasive cleaners, as these can damage the screen coating.

8.2 General Care

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

9. TROUBLESHOOTING

9.1 No Display / Signal

- Check all cable connections (power, video, USB-C). Ensure they are securely plugged in.
- Verify the monitor is powered on and the power indicator light is active.
- Select the correct input source using the OSD menu or Hotkey Puck G3.
- If using USB-C, ensure your device supports video output over USB-C.

9.2 Input Switching Issues

If you experience difficulty switching inputs, especially when the monitor is in sleep mode:

- Ensure the monitor is fully awake before attempting to switch inputs.
- Try power cycling the monitor (turn off, unplug, wait 30 seconds, plug back in, and turn on).
- Check for any available firmware updates for your monitor on the BenQ support website.

9.3 Calibration Software Not Recognizing Monitor

If Palette Master Ultimate or your calibrator software fails to recognize the monitor:

- Ensure the USB-B to USB-A cable (or USB-C cable for full functionality) is connected between the monitor and your computer.
- Verify that the calibrator is properly connected to your computer.
- Restart the Palette Master Ultimate software and your computer.
- Check for the latest drivers for your calibrator and monitor firmware updates.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The BenQ SW272U monitor comes with a 3-year manufacturer warranty. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included in your package or visit the official BenQ support website.

10.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official BenQ support website or contact their customer service directly. You can find contact information and FAQs at: [BenQ Support](#)

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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