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› [ASUS](#) /

› [ASUS ZenScreen MB27ACF 27-inch 1440P Transportable Monitor User Manual](#)

ASUS MB27ACF

ASUS ZenScreen MB27ACF 27-inch 1440P Transportable Monitor User Manual

Model: MB27ACF | Brand: ASUS

[Introduction](#)

[Features](#)

What's in the

[Box](#)

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

The ASUS ZenScreen MB27ACF is a 27-inch 1440P transportable monitor designed to enhance multitasking and productivity. Featuring a QHD (2560 x 1440) IPS panel with a smooth 100Hz refresh rate, it offers a sleek 5.4mm profile and weighs less than 3kg, ensuring effortless portability. This monitor provides versatile stand options, including an integrated carrying handle/kickstand and a height-adjustable C-clamp, allowing for flexible configuration in various environments.



Figure 1: The ASUS ZenScreen MB27ACF monitor showcasing its sleek design and integrated kickstand.

2. KEY FEATURES

- **27-inch QHD IPS Display:** Large, frameless panel with 2560 x 1440 resolution and wide 178° viewing angles for stunning visuals.
- **100Hz Refresh Rate:** Provides a smooth viewing experience, reducing motion blur.
- **USB-C with 70W Power Delivery:** Single-cable solution for video, audio, and power, simplifying connectivity.
- **Integrated 2.1-channel Audio:** Features a subwoofer for exceptionally well-balanced sound.
- **Versatile Stand Options:** Includes an integrated carrying handle/kickstand, height-adjustable C-clamp with Z-axis adjustment, and partition hook kit for flexible placement.
- **Eye Care Technology:** Incorporates Blue Light Filter and Flicker-Free technology to reduce eye strain during extended use.
- **Portable Design:** Sleek 5.4mm profile and lightweight construction (less than 3kg) for easy transport.
- **Environmentally Friendly:** ENERGY STAR-certified energy efficiency and packaged in FSC certified paper.

3. WHAT'S IN THE BOX

Verify that all items are present in the package:

- ASUS ZenScreen MB27ACF Monitor
- C-Clamp Arm
- USB-C cable
- HDMI cable

- L-shaped Screwdriver
- Power cord & adapter
- Partition hook x2

What's in the Box



Figure 2: All components included with the ASUS ZenScreen MB27ACF monitor, neatly arranged in the packaging.

4. SETUP

4.1. Physical Setup

The ZenScreen MB27ACF offers multiple ways to set up your display:

1. **Integrated Kickstand:** The monitor features an Ergo Fold-out kickstand that doubles as a carrying handle. It supports the monitor at angles from 12–60° on any flat surface.

Ergo Fold-out kickstand

The carrying handle double as a handy kickstand, services up at 12–60° on any flat surface



Figure 3: The monitor positioned on its integrated Ergo Fold-out kickstand, suitable for desktop use.

2. **C-Clamp Arm:** For more flexible positioning, use the included Ergo C-clamp arm. This arm allows for -5° to 20° tilt, -90° to 90° swivel, -90° to 90° pivot, and extension/retraction adjustments up to 144mm, with a height adjustment range of 0–180mm.

Ergo C-clamp arm

It offers -5° - 20° tilt, -90 - 90° swivel, $-90\sim 90^{\circ}$ pivot and extension / retraction adjustments of up to 144mm, Height Adjustment from $0\sim 180$ mm



Figure 4: A user adjusting the monitor mounted on the versatile C-clamp arm, demonstrating its range of motion.

- 3. Partition Hook Kit:** The monitor also includes a partition hook kit for hanging the display, offering additional placement options.



C-clamp arm + partition hooks included



Figure 5: The monitor displayed with both the C-clamp arm and partition hooks, illustrating diverse mounting possibilities.

4.2. Connectivity

The ZenScreen MB27ACF offers hassle-free connections:

- **USB-C (with 70W Power Delivery):** Connect your laptop or compatible device using a single USB-C cable for video, audio, and power. Ensure your device supports DisplayPort Alternate Mode (DP Alt Mode) for full functionality.

- **HDMI:** Use the HDMI port for video input from various devices.
- **Earphone Jack:** Connect headphones or external speakers for audio output.

Hassle-free connections

USB-C port provides single connectivity with 70-watt power delivery. HDMI and earphone jack, providing convenient solution



Monitor brightness will be limited when using the single USB Type-C cable solution (DP Alt mode) without adaptor

Figure 6: A close-up view of the monitor's ports, including USB-C, HDMI, and earphone jack, highlighting the single-cable solution for video and power delivery.

Video 1: Official ASUS guide on how to connect the ZenScreen Portable Monitor to a laptop using a single USB-C cable.

5. OPERATING THE MONITOR

5.1. Power On/Off and Menu Navigation

The monitor features intuitive buttons for power control and accessing the On-Screen Display (OSD) menu. Use the buttons located on the bottom bezel to navigate settings such as brightness, contrast, color modes, and input selection.

5.2. Display Modes and Orientation

The ZenScreen MB27ACF supports both horizontal (landscape) and vertical (portrait) orientations, automatically adjusting the display when rotated, especially when used with the C-clamp arm. This is ideal for tasks like coding, document review, or graphic design.

5.3. Eye Care Features

To ensure comfortable viewing during prolonged use, the monitor includes ASUS Eye Care technology:

- **Blue Light Filter:** Reduces harmful blue light emissions, which can cause eye strain and fatigue. Multiple filter levels are available through the OSD menu.
- **Flicker-Free Technology:** Eliminates screen flickering, providing a more comfortable viewing

experience.

Video 2: An official ASUS video demonstrating the benefits of ASUS Eye Care technology, including Blue Light Filter and Flicker-Free features.

5.4. Audio

The monitor is equipped with powerful 2.1-channel audio, including a subwoofer, delivering rich and balanced sound for both work and entertainment.

Better Audiovisual for Work and Play

With the embedded speakers with 2.1 channel audio including 1.5W woofer, deliver incredible sounds



Figure 7: The monitor displaying content with visual indicators for its 2.1-channel audio system, emphasizing its sound capabilities.

6. MAINTENANCE

6.1. Cleaning the Monitor

- Always power off the monitor and unplug it from the power outlet before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive screen cleaner.
- Avoid using alcohol-based cleaners, ammonia, or abrasive materials, as these can damage the screen surface.
- Gently wipe the screen and exterior surfaces. Do not spray liquid directly onto the screen.

6.2. Storage and Handling

- When transporting the monitor, use the provided carrying handle or ensure it is securely packed in a protective case to prevent damage.
- Avoid placing heavy objects on the monitor or applying excessive pressure to the screen.
- Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

7.1. No Signal/Black Screen

- Ensure the USB-C or HDMI cable is securely connected to both the monitor and your device.
- Verify that your laptop's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode) if using a single USB-C connection.
- Check if your laptop's display settings are configured to extend or duplicate the display to the external monitor.
- Try connecting the monitor to a different device or using a different cable to rule out cable or source issues.

7.2. Power Issues

- If the monitor is not powering on, ensure the power adapter is correctly connected to both the monitor and a working power outlet.
- When using USB-C for power, confirm your device can supply sufficient power (70W PD). If not, use the dedicated power adapter.

7.3. Display Quality Issues

- If the image is blurry or distorted, check the display resolution settings on your connected device and ensure they match the monitor's native QHD (2560 x 1440) resolution.
- Adjust brightness, contrast, and color settings via the OSD menu to optimize image quality.

8. SPECIFICATIONS

Feature	Specification
Brand	ASUS
Model Number	MB27ACF
Screen Size	27 Inches
Resolution	QHD Wide 1440p (2560 x 1440 Pixels)
Display Type	LCD (IPS)
Refresh Rate	100 Hz
Response Time	5 Milliseconds
Aspect Ratio	16:9
Screen Surface	Matte

Brightness	1027.8 lm
Contrast Ratio	1,500:1 (Static)
Viewing Angle	178 Degrees
Connectivity	HDMI, USB, USB Type-C (70W PD)
Audio	2.1-channel with Subwoofer, Earphone Jack
Special Features	Blue Light Filter, Eye Care, Flicker-Free, Portable
Item Dimensions (D x W x H)	11.9"D x 24.1"W x 29.8"H
Item Weight	10.6 Pounds
Mounting Type	75 x 75 (VESA compatible)

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The ASUS ZenScreen MB27ACF monitor comes with a **3-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included in your product packaging or visit the official ASUS support website.

9.2. Customer Support

For technical assistance, product inquiries, or service requests, please contact ASUS Customer Support through their official website or the contact information provided in your product documentation. Online resources, including FAQs and driver downloads, are also available.