

## ASUS VA249HG

# ASUS VA249HG 24-inch Full HD Eye Care Monitor User Manual

Model: VA249HG

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your ASUS VA249HG 24-inch Full HD Eye Care Monitor. Please read this manual thoroughly before using the monitor to ensure proper installation and optimal performance. The ASUS VA249HG features a 23.8-inch Full HD (1920x1080) IPS panel with a 120Hz refresh rate and 1ms MPRT response time, designed for a smooth visual experience. It also incorporates ASUS Eye Care technologies, including Flicker-Free and Blue Light Filter, for enhanced viewing comfort.

## 2. WHAT'S IN THE BOX

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Upon unpacking, please verify that all the following items are present:

- ASUS VA249HG Monitor
- Monitor Stand (Base and Neck)
- Power Cord
- HDMI Cable (optional, may vary by region)
- VGA Cable (optional, may vary by region)
- Audio Cable (optional, may vary by region)
- Quick Start Guide
- Warranty Card
- Rubber Sticker (for cable management)

# What's in the box

- ⊙Power Cord
- ⊙HDMI cable (optional)
- ⊙VGA cable (optional)
- ⊙Audio cable (optional)
- ⊙Rubber Sticker
- ⊙Warranty card
- ⊙Quick Start Guide



Image: Contents of the ASUS VA249HG monitor box, showing the monitor, stand components, power cord, and various optional cables (HDMI, VGA, Audio), along with the Quick Start Guide and Warranty Card.

## 3. SETUP

### 3.1 Assembling the Monitor Stand

1. Place the monitor face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the monitor's rear panel. Ensure it clicks securely into place or is fastened with screws if provided.
3. Attach the stand base to the bottom of the stand neck. Tighten the captive screw on the base to secure it.

# Hands-free Convenience

Place phone, name cards or any small items, makes your workspace tidier and more organized



Image: The ASUS VA249HG monitor fully assembled on its stand, demonstrating the 'Hands-free Convenience' feature where the stand base can hold small items like a phone or business cards.

## 3.2 Connecting Cables

Connect the necessary cables to the corresponding ports on the monitor and your computer or other devices.

- **Power Cable:** Connect the power cord to the monitor's power input and then to a power outlet.
- **HDMI Cable:** Connect one end of the HDMI cable to the monitor's HDMI port and the other end to your computer's HDMI output.
- **VGA Cable:** Connect one end of the VGA cable to the monitor's VGA port and the other end to your computer's VGA output.
- **Audio Cable:** If using the monitor's audio output, connect an audio cable from your computer's audio output to the monitor's audio input (if available), or connect headphones to the monitor's headphone jack.

# Extensive Connectivity



Image: Rear view of the ASUS VA249HG monitor highlighting its extensive connectivity options, including HDMI, VGA, Earphone jack, and Audio in. It also shows the 100x100 mm VESA wall mount compatibility and cable management features.

## 3.3 Initial Power-On

After connecting all cables, press the power button on the monitor to turn it on. The monitor should automatically detect the input signal. If not, you may need to manually select the input source using the OSD menu.

## 4. OPERATING THE MONITOR

### 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 Using the OSD (On-Screen Display) Menu

The monitor features a 5-way navigator joystick or buttons to access and navigate the OSD menu. This menu allows you to adjust various display settings.

- **Press the joystick/button:** To open the OSD menu.
- **Move joystick Up/Down/Left/Right:** To navigate through menu options.
- **Press joystick/button again:** To confirm a selection or enter a sub-menu.

## 4.3 Display Settings

Adjust the following settings via the OSD menu for optimal viewing:

- **Brightness:** Adjust the overall luminance of the screen.
- **Contrast:** Adjust the difference between light and dark areas.
- **Color Temperature:** Select preset color modes (e.g., Warm, Cool, User Mode) or adjust RGB values.
- **Input Select:** Manually switch between HDMI and VGA input sources.
- **Aspect Ratio:** Choose between Full, 4:3, or other available aspect ratios.

## 4.4 Eye Care Features

The ASUS VA249HG monitor includes advanced Eye Care technologies to reduce eye strain during prolonged use:

- **Flicker-Free Technology:** Eliminates screen flickering to reduce eye fatigue.
- **Blue Light Filter:** Reduces harmful blue light emissions. You can adjust the filter level through the OSD menu.

# Ultra-low Blue Light Filter and Flicker-free Technology



Image: The ASUS VA249HG monitor illustrating the benefits of Ultra-low Blue Light Filter and Flicker-free Technology. The image shows a split screen comparing a conventional monitor with visible flicker lines to a flicker-free monitor with a clear image.

## 4.5 Adaptive-Sync (FreeSync)

The monitor supports Adaptive-Sync (FreeSync) technology, which synchronizes the display's refresh rate with the graphics card's frame rate. This feature helps eliminate screen tearing and stuttering, providing a smoother gaming and video experience. Ensure your graphics card supports Adaptive-Sync and enable it in your graphics card's control panel.

# Fluid 120Hz SmoothMotion

giving you more fluid animation in video, casual gaming, and day-to-day work

Video streaming



Text and article scrolling



How does cinematic photography gain its popularity?

People desire aesthetics. Cinematic photo has a strong sense of lighting that tells a story, and is adored by not just artists, but the public. Cinematography and photography share some themes and techniques, so as photographers we can draw upon the visual language of film to craft cinematic photos.

It all comes back to little details, like an erration or mood draw the viewer in. It's also about



Casual gaming



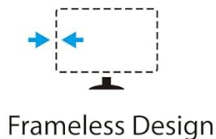
Image: The ASUS VA249HG monitor showcasing 'Fluid 120Hz SmoothMotion' with examples of video streaming, text and article scrolling, and casual gaming, emphasizing the smooth animation provided by the 120Hz refresh rate.

## 4.6 Viewing Perfection

The IPS panel with 178° wide viewing angles minimizes color shift from extreme angles, ensuring consistent image quality.

# Viewing Perfection

178° wide viewing angles minimizes color shift



Frameless Design



Image: The ASUS VA249HG monitor illustrating 'Viewing Perfection' with a central view and two side views, demonstrating how the 178° wide viewing angles minimize color shift across different perspectives.

## 5. MAINTENANCE

### 5.1 Cleaning the Monitor

- Always turn off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen. Apply it to the cloth first.
- Avoid using benzene, thinner, ammonia-based cleaners, or abrasive materials, as these can damage the screen or casing.

### 5.2 Safety Precautions

- Do not block ventilation openings on the monitor.
- Keep the monitor away from direct sunlight, heat sources, and excessive moisture.
- Do not place heavy objects on the monitor or its cables.
- If the monitor is not functioning correctly, refer to the troubleshooting section or contact ASUS support. Do not attempt to repair it yourself.

## 6. TROUBLESHOOTING

If you encounter issues with your monitor, please refer to the following common problems and solutions:

## 6.1 No Image on Screen

- Ensure the power cord is securely connected and the monitor is turned on.
- Verify that the video cable (HDMI/VGA) is properly connected to both the monitor and your computer.
- Check if the correct input source is selected in the OSD menu.
- Test the monitor with another computer or video source if possible.

## 6.2 Image is Flickering or Unstable

- Ensure the video cable is securely connected.
- Adjust the refresh rate in your computer's display settings to 120Hz.
- Disable or enable Adaptive-Sync (FreeSync) in the OSD menu or your graphics card settings to see if it resolves the issue.
- Check for nearby electronic devices that might cause interference.

## 6.3 Colors Appear Incorrect

- Reset the monitor's color settings to factory defaults via the OSD menu.
- Adjust the color temperature or individual RGB values in the OSD menu.
- Ensure your graphics card drivers are up to date.

## 6.4 Monitor Does Not Respond to Controls

- Unplug the monitor's power cord, wait for 30 seconds, and then plug it back in to perform a power cycle.
- Ensure no buttons are stuck.

## 7. SPECIFICATIONS

| Feature        | Specification         |
|----------------|-----------------------|
| Brand          | ASUS                  |
| Model Number   | VA249HG               |
| Screen Size    | 23.8 Inches           |
| Resolution     | Full HD (1920 x 1080) |
| Panel Type     | IPS                   |
| Aspect Ratio   | 16:9                  |
| Refresh Rate   | 120 Hz                |
| Response Time  | 1ms MPRT              |
| Brightness     | 250 cd/m <sup>2</sup> |
| Contrast Ratio | 1300:1                |
| Viewing Angle  | 178° (H)/178° (V)     |
| Color Gamut    | 99% sRGB              |

|                        |  |
|------------------------|--|
| Connectivity           | 1x HDMI, 1x VGA, 3.5mm Audio Jack            |
| Adaptive Sync          | FreeSync                                     |
| Eye Care Features      | Flicker-Free, Blue Light Filter              |
| VESA Wall Mount        | 100 x 100 mm                                 |
| Dimensions (W x H x D) | Approx. 21.26" x 15.98" x 7.52" (with stand) |
| Weight                 | 3.2 kg (Approx. 7.05 lbs)                    |

## 8. WARRANTY AND SUPPORT

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Your ASUS VA249HG monitor comes with a limited warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including warranty period and coverage details. Keep your proof of purchase for warranty claims.

For technical support, driver downloads, or further assistance, please visit the official ASUS support website:

**[ASUS Official Support](#)**

You may also find additional resources and FAQs on the ASUS website.