LG 24UD58-B

LG 24UD58-B 24-inch 4K UHD IPS Monitor User Manual

Model: 24UD58-B | Brand: LG

1. Introduction

This manual provides essential information for the setup, operation, and maintenance of your LG 24UD58-B 24-inch 4K UHD IPS Monitor. Please read this manual thoroughly before using the product to ensure proper and safe operation.

2. Package Contents

Verify that all items are present in the product box:

- Monitor
- Base
- Power Cord
- HDMI Cable
- DisplayPort Cable
- User Manual (this document)

3. Setup and Assembly

3.1 Assembling the Stand

1. Carefully place the monitor face down on a soft, clean surface to prevent scratches.
2. Attach the stand base to the stand neck. Secure with the provided screw.
3. Attach the assembled stand to the back of the monitor until it clicks into place.

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 and then to a power outlet (100-240V AC, 50/60Hz).
- **HDMI Connection:** Use an HDMI 2.0 cable to connect your device to one of the two HDMI ports on the monitor.

- **DisplayPort Connection:** Use a DisplayPort cable to connect your device to the DisplayPort on the monitor.
- **Audio Output:** Connect headphones or external speakers to the 3.5mm audio output jack on the monitor for sound.



Figure 1: LG 24UD58-B Monitor displaying a game, with visible dimensions of 16.6cm height, 8cm depth, and 21.8cm width. This illustrates the monitor's visual capabilities and physical size.

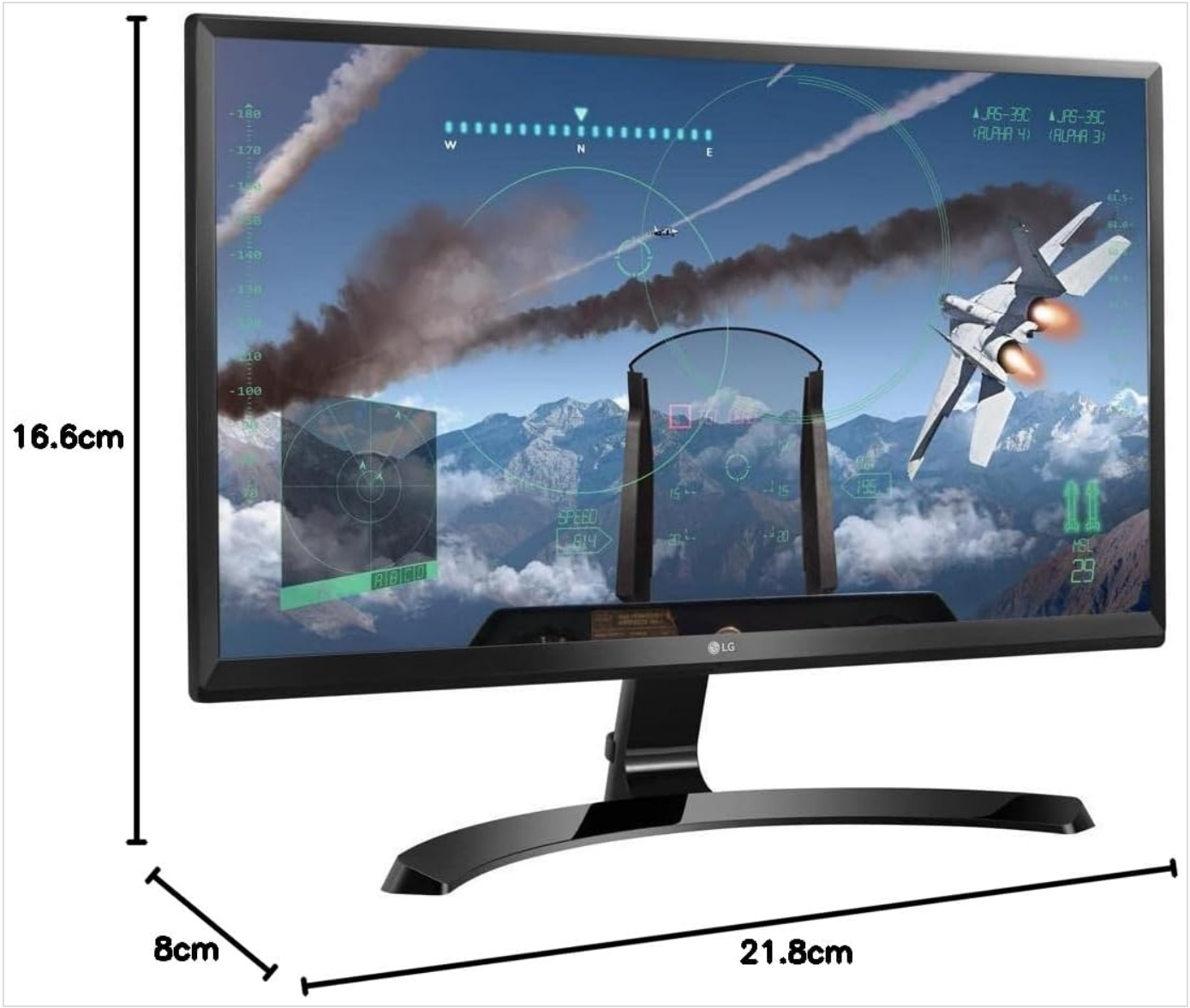


Figure 2: Rear view of the LG 24UD58-B monitor, highlighting the input ports including HDMI and DisplayPort, and the power input for connecting various devices.

4. Operating Instructions

4.1 On-Screen Control (OSC)

The monitor features On-Screen Control with Screen Split 2.0, allowing for easy access to monitor settings and screen layout customization. This software provides a user-friendly interface for adjusting volume, brightness, picture mode presets, and other display settings without using physical buttons.

4.2 Game Mode & Black Stabilizer

The monitor includes dedicated features for an optimized gaming experience:

- **Game Mode:** Select from various game modes (e.g., First-Person Shooter, RTS pre-set) to optimize visual settings for different game genres.
- **Black Stabilizer:** Enhances visibility in dark scenes, allowing users to spot enemies hiding in shadows.

4.3 FreeSync Technology

This monitor supports AMD FreeSync, which synchronizes the refresh rate of the display with the frame rate of your AMD graphics card. This technology helps to eliminate screen tearing and stuttering, providing a smoother gaming experience. **Note:** FreeSync is only available when connected via DisplayPort.

4.4 HDMI Deep Color Mode

To achieve 60Hz refresh rate over HDMI, you must enable "HDMI ULTRA HD Deep Color" mode in the monitor's settings. Access this via the joystick control on the bottom of the display: navigate to Menu > Picture > Picture Adjust, then enable HDMI Ultra HD Deep Color.

4.5 Display Adjustments

The monitor stand allows for tilt adjustment to find an optimal viewing angle. For height adjustments or other positional changes, a VESA-compatible mount can be used with the built-in VESA mount on the rear of the monitor.

5. Maintenance

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a mild screen cleaner. Avoid harsh chemicals.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's casing.
- **Ventilation:** Ensure the ventilation openings on the monitor are not blocked to prevent overheating.
- **Power Off:** Always turn off the monitor and unplug it from the power outlet before cleaning or when not in use for extended periods.

6. Troubleshooting

- **No Power:**
  - Check if the power cord is securely connected to both the monitor and the power outlet.
  - Verify the power outlet is functioning correctly.
- **No Signal/Black Screen:**
  - Ensure the video cable (HDMI or DisplayPort) is securely connected to both the monitor and the computer/device.
  - Select the correct input source on the monitor using the joystick control.
  - Check if the computer/device is powered on and not in sleep mode.
- **Image Stuttering/Tearing (FreeSync):**
  - Confirm your graphics card is AMD FreeSync compatible.
  - Ensure the monitor is connected via DisplayPort.
  - Enable FreeSync in your graphics card settings and on the monitor (if applicable).
- **No HDR Support:**
  - This monitor model (24UD58-B) does not support HDR (High Dynamic Range).
- **No Picture-in-Picture (PIP) / Screen Split 2.0 Issues:**
  - While "Screen Split 2.0" is advertised, some users may find that advanced multi-input display features like Picture-in-Picture (PIP) are not available or easily accessible on this specific model. Refer to the latest LG On-Screen Control software for available functionalities.
- **Sound Issues:**
  - Ensure external speakers or headphones are properly connected to the audio output jack.
  - Check your computer's audio output settings to ensure sound is routed to the monitor's audio output.

- This monitor does not have built-in speakers.

7. Specifications

Feature	Detail
Brand	LG
Model Number	24UD58-B
Screen Size	23.8 Inches
Resolution	4K UHD (3840 x 2160)
Panel Type	IPS
Aspect Ratio	16:9
Refresh Rate	60Hz
Response Time	5ms (GtG)
Brightness	250 cd/m²
Color Depth	10bit (8bit + A-FRC)
Color Gamut	72% NTSC (CIE1931)
Connectivity	2 x HDMI 2.0, 1 x DisplayPort
Audio Output	1 x Headphone Out (3.5mm)
Special Features	FreeSync, On-Screen Control, Screen Split 2.0, Game Mode, Black Stabilizer
Power Input	100-240V AC, 50/60Hz
Product Dimensions (W x H x D)	21.8 x 16.6 x 8 inches (with stand)
Item Weight	8.8 pounds
VESA Mount Compatible	Yes

8. Warranty and Support

For warranty information and technical support, please refer to the official LG website or contact LG customer service. Specific warranty terms may vary by region and retailer.
For further assistance, visit the LG Store on Amazon.

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