

## Philips 27B1U7903/27

# Philips Brilliance 27B1U7903 27" 4K UHD LED Monitor User Manual

Model: 27B1U7903/27

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Philips Brilliance 27B1U7903 27-inch 4K UHD LED Monitor. This monitor is designed for professional use, offering a secure and reliable one-cable docking solution via Thunderbolt 4, Mini LED backlighting, and DisplayHDR 1400 certification for outstanding picture performance and color accuracy. It features UltraClear 4K UHD resolution, Quantum Dot Technology for vibrant colors, and IPS technology for wide viewing angles. Please read this manual thoroughly before using the product.

## 2. WHAT'S IN THE BOX

Carefully unpack the box and ensure all items are present and in good condition. If any items are missing or damaged, contact your retailer.

- Philips 27B1U7903/27 Monitor
- Power Cable
- Thunderbolt 4 Cable
- HDMI Cable
- USB-B to USB-A Cable (for USB hub functionality)
- Monitor Stand (Base and Neck)
- Bundled software: SmartControl (on CD or available for download)
- Quick Start Guide

## 3. SETUP

### 3.1 Assembling the Monitor Stand

Follow these steps to attach the stand to your monitor:

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



Image: Rear view of the Philips 27B1U7903 monitor with its stand fully assembled and attached.

### 3.2 Connecting the Monitor

The Philips 27B1U7903 offers versatile connectivity options. Ensure your computer is turned off before making any connections.

- **Power Connection:** Connect the power cable to the monitor's AC input and then to a wall outlet.
- **Thunderbolt 4 Connection (Recommended):** For a single-cable docking solution providing video, data, Ethernet, and power delivery (up to 90W), connect one end of the Thunderbolt 4 cable to the monitor's Thunderbolt 4 upstream port and the other end to your laptop's Thunderbolt 4 port.
- **HDMI Connection:** Connect an HDMI cable from your computer's HDMI output to one of the monitor's HDMI input ports (HDMI 1 or HDMI 2).
- **DisplayPort Connection:** Connect a DisplayPort cable from your computer's DisplayPort output to the monitor's DisplayPort input.
- **USB Hub Connection:** To enable the monitor's USB hub functionality (USB-A ports), connect the USB-B to USB-A cable from the monitor's USB upstream port to a USB-A port on your computer.
- **Audio Output:** Connect headphones or external speakers to the monitor's audio out jack if desired.



Image: Detailed view of the monitor's rear input/output ports, including power, HDMI, DisplayPort, Thunderbolt 4, and USB ports.

### 3.3 Daisy Chaining for Multi-Monitor Setups

The Thunderbolt 4 connection allows for simple and powerful daisy chaining. You can connect a second 4K monitor to the Philips 27B1U7903 using its second Thunderbolt 4 downstream port. This enables a multi-monitor setup from a single Thunderbolt port on your laptop.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering 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.



Image: Front view of the Philips 27B1U7903 monitor, showcasing its display.

## 4.2 On-Screen Display (OSD) Menu Navigation

The OSD menu allows you to adjust various monitor settings. Use the control buttons (typically located on the back or bottom right of the monitor) to navigate the menu.

- Press a button to activate the OSD menu.
- Use the navigation buttons (up/down/left/right or joystick) to move through options.
- Press the confirm/enter button to select an option or enter a sub-menu.
- Use the exit/back button to return to the previous menu or exit the OSD.

## 4.3 MultiView Functionality

The MultiView feature allows simultaneous display from two different sources. This is useful for complex multi-tasking, such as working with a PC and a notebook concurrently.

- Connect two different devices to the monitor (e.g., one via Thunderbolt 4, one via HDMI).
- Access the OSD menu and navigate to the MultiView settings.
- Select the desired MultiView mode (e.g., Picture-by-Picture or Picture-in-Picture) and input sources.

## 4.4 Color Space Modes

The monitor supports various color space modes to optimize content display. Select the appropriate mode via the OSD menu:

- **sRGB**: Ideal for most personal computer applications, games, internet browsing, and web design.
- **Adobe RGB**: Suited for graphics applications requiring a wider color gamut.
- **NTSC**: For analog video content.
- **Rec. 709**: Standard for HD videos.
- **Rec. 2020**: For UHD videos, offering an even wider color gamut.
- **DCI-P3**: Used in digital cinema projectors, some movies, games, and Apple products, also suitable for photography.
- **D-mode (DICOM)**: Enhances grayscale level performance, typically for medical imaging.

## 4.5 DisplayHDR 1400 and HDR Modes

This monitor is VESA DisplayHDR 1400 certified, providing exceptional contrast and color. You can select from several HDR modes:

- HDR Premium
- HDR Effect
- HDR Warm
- HDR Basic
- VESA DisplayHDR certified level

Adjust these settings through the OSD menu to match your content and viewing preference.

## 4.6 PowerSensor

The Hideaway PowerSensor is a built-in feature that detects user presence. When the user steps away, it automatically reduces monitor brightness, saving energy costs by up to 80% and prolonging monitor life. The sensor can be folded away for multi-monitor tiling setups.

- Ensure the PowerSensor is enabled in the OSD menu for energy savings.
- Adjust sensitivity if needed.

## 5. MAINTENANCE

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### 5.1 Cleaning the Monitor

- Always unplug the monitor before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive screen cleaner.
- Do not use alcohol, ammonia, or abrasive cleaners, as they can damage the screen surface.
- Wipe gently; do not apply excessive pressure to the screen.

### 5.2 General Care

- Avoid placing the monitor in direct sunlight or near heat sources.
- Ensure adequate ventilation around the monitor.
- Do not block ventilation openings.
- Protect cables from being pinched or walked on.

## 6. TROUBLESHOOTING

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### 6.1 No Power

- Check if the power cable is securely connected to both the monitor and the power outlet.
- Verify that the power outlet is functioning by plugging in another device.
- Ensure the monitor's power button is pressed.

### 6.2 No Signal / Blank Screen

- Confirm that the video cable (Thunderbolt 4, HDMI, or DisplayPort) is securely connected to both the monitor and your computer.
- Ensure your computer is powered on and not in sleep mode.
- Check the input source setting on the monitor via the OSD menu to ensure it matches the connected cable (e.g., HDMI 1, Thunderbolt 4).
- Try connecting the monitor to another computer or using a different video cable to rule out cable or computer issues.

### 6.3 Image Issues (Flickering, Incorrect Colors, Blurry)

- **Flickering:** Check the refresh rate setting on your computer's display settings. Ensure it is set to a stable frequency supported by the monitor.
- **Incorrect Colors:** Reset the monitor's color settings to factory defaults via the OSD menu. Ensure the correct color space mode is selected for your content.
- **Blurry Image:** Ensure the display resolution on your computer is set to the monitor's native resolution (3840 x 2160 for 4K UHD).
- **Dead Pixels:** While rare, a few dead or stuck pixels are within industry standards. If the number exceeds specifications, contact support.

### 6.4 PowerSensor Not Functioning

- Ensure the PowerSensor feature is enabled in the OSD menu.
- Check for any obstructions in front of the sensor.

- Ensure the sensor is not folded away if you intend to use it.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	27B1U7903/27
Screen Size	27 Inches (68.6 cm)
Resolution	3840 x 2160 (4K UHD)
Aspect Ratio	16:9
Panel Type	IPS Technology
Backlight Technology	Mini LED with 2304 local dimming zones
HDR Certification	VESA DisplayHDR 1400
Brightness	1000 cd/m <sup>2</sup> (typical)
Viewing Angles	178° (H) / 178° (V)
Connectivity	Thunderbolt 4 (upstream, downstream), HDMI, DisplayPort, USB-A (hub), Audio Out
USB Ports	4 Total USB Ports
Power Delivery (Thunderbolt 4)	Up to 90W
Special Features	Quantum Dot Technology, MultiView, PowerSensor
Product Dimensions (with stand)	80.31 x 241.34 x 202.76 inches
Item Weight	20.8 pounds

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Philips support website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may visit the [Philips Store on Amazon](#) or contact Philips customer service directly.