

Philips 27B1N3800

Philips 27B1N3800 27-inch 4K UHD Monitor User Manual

Model: 27B1N3800

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Philips 27B1N3800 27-inch 4K UHD monitor. Please read this manual thoroughly before using the product and retain it for future reference.

The Philips 27B1N3800 monitor features a 27-inch IPS panel with 4K UHD (3840x2160) resolution, offering rich colors and wide viewing angles. It includes integrated stereo speakers, a USB hub, and supports Adaptive Sync for a smooth visual experience. The ergonomic stand allows for height, tilt, and swivel adjustments.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the monitor and ensure personal safety:

- Do not expose the monitor to rain or moisture.
- Do not open the monitor casing. There are no user-serviceable parts inside.
- Place the monitor on a stable, flat surface to prevent it from falling.
- Ensure proper ventilation around the monitor to prevent overheating.
- Use only the power adapter supplied with the monitor.
- Unplug the monitor from the power outlet before cleaning.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Philips 27B1N3800 Monitor
- Monitor Stand (Base and Neck)
- Power Cable

- HDMI Cable
- DisplayPort Cable
- USB Upstream Cable
- User Manual and Documentation

4. SETUP

4.1 Assembling the 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. Secure it with the provided screws.
3. Attach the stand base to the stand neck. Tighten the thumb screw at the bottom of the base.
4. Carefully lift the monitor and place it upright on a stable desk.



Figure 1: Front view of the Philips 27B1N3800 monitor with its ergonomic stand. The monitor features a 27-inch screen with a

Philips logo at the bottom center.



Figure 2: Rear view of the Philips 27B1N3800 monitor, showing the stand attachment point and the location of the input ports.

4.2 Connecting Cables

Connect the necessary cables to the monitor and your computer:

1. **Power Connection:** Connect the power cable to the monitor's power input and then to a wall outlet.
2. **Video Connection:**
 - For HDMI: Connect one end of the HDMI cable to the monitor's HDMI port and the other end to your computer's HDMI output.
 - For DisplayPort: Connect one end of the DisplayPort cable to the monitor's DisplayPort and the other end to your computer's DisplayPort output.
3. **USB Hub Connection:** Connect the USB upstream cable (Type-B to Type-A) from the monitor's USB upstream port to an available USB port on your computer. This enables the monitor's USB downstream ports.
4. **Audio Output:** If you wish to use external speakers or headphones, connect them to the monitor's Audio Out jack.

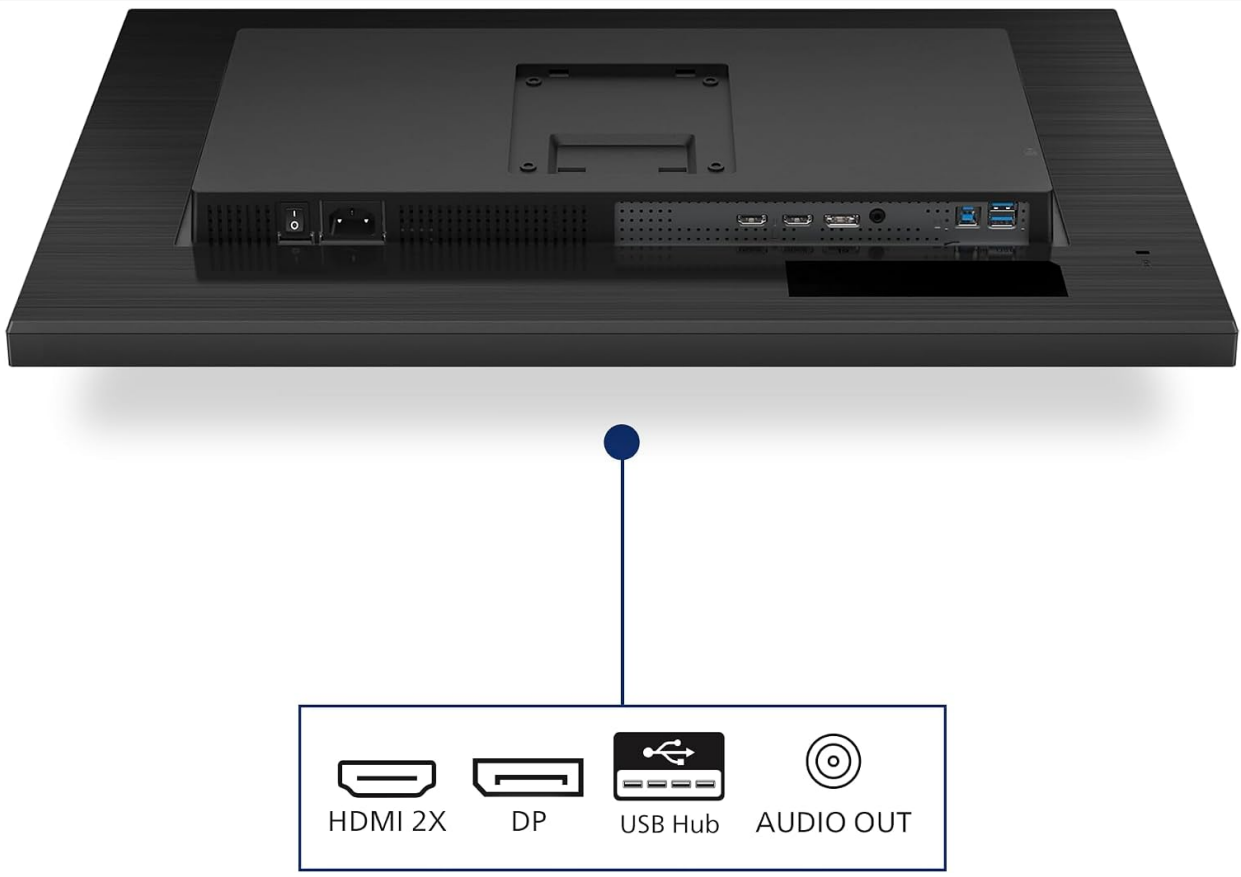


Figure 3: Diagram illustrating the input and output ports on the Philips 27B1N3800 monitor, including two HDMI ports, one DisplayPort, a USB hub (upstream and downstream ports), and an audio output jack.

5. OPERATING THE MONITOR

5.1 Power On/Off

Press the power button, usually located on the bottom right side of the monitor, to turn the monitor on or off. The power indicator light will illuminate when the monitor is on.

5.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the control buttons (often a joystick or a series of buttons) located on the monitor's bezel to navigate the menu.

- **Input Selection:** Choose between HDMI 1, HDMI 2, or DisplayPort.
- **Picture Settings:** Adjust brightness, contrast, sharpness, and color temperature.
- **SmartImage:** Select from various preset modes (e.g., Office, Photo, Movie, Game, Economy) to optimize display settings for different content types.
- **Audio Settings:** Control volume for the integrated speakers or connected audio devices.
- **OSD Settings:** Adjust OSD language, position, and transparency.

5.3 Ergonomic Adjustments

The monitor stand provides several ergonomic adjustments to enhance viewing comfort:

- **Height Adjustment:** The monitor can be adjusted vertically by up to 130 mm.
- **Tilt:** The screen can be tilted forward by -5 degrees and backward by +25 degrees.
- **Swivel:** The monitor can be swiveled left and right by +/- 90 degrees.

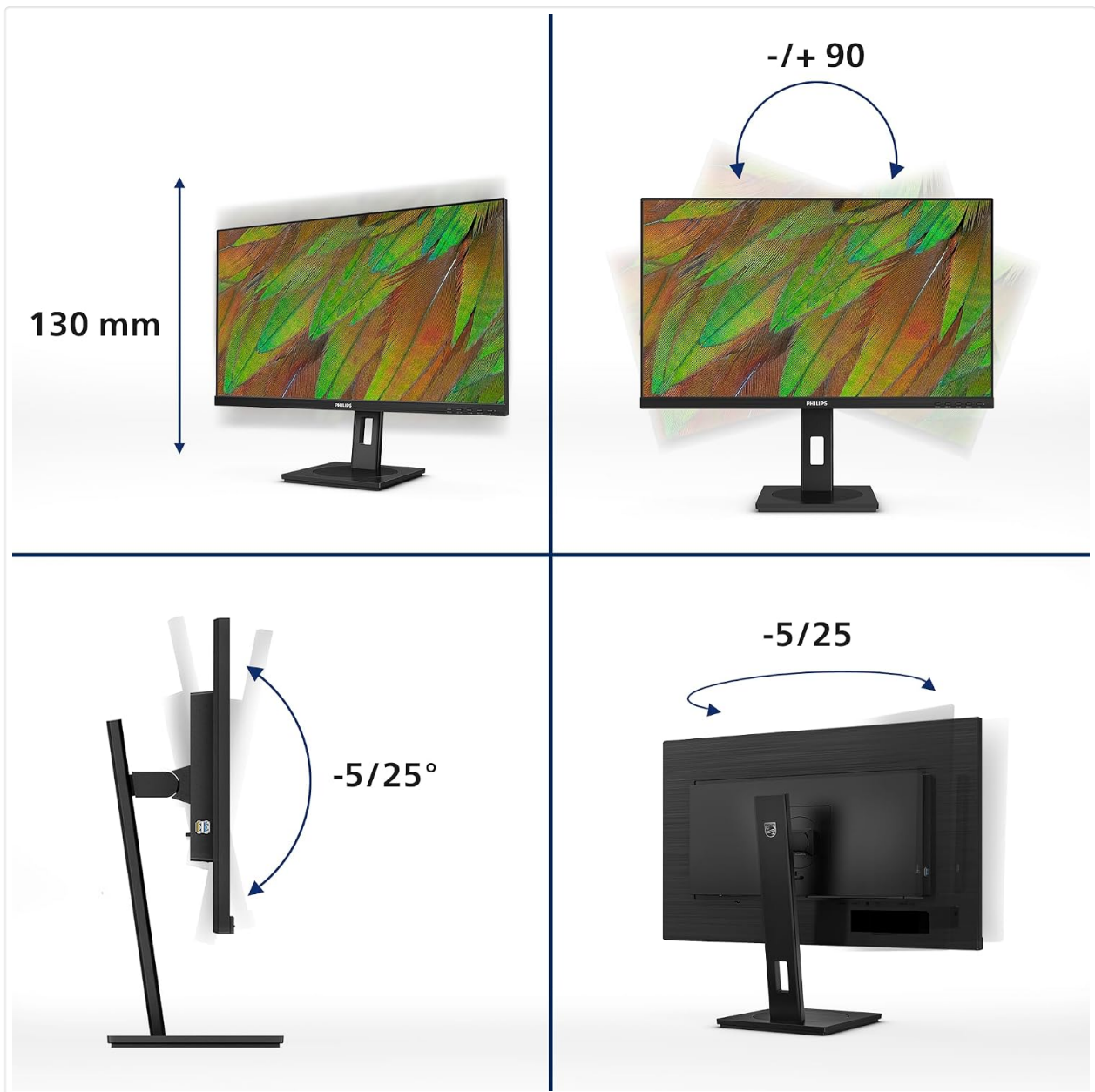


Figure 4: Illustrations demonstrating the ergonomic adjustments of the Philips 27B1N3800 monitor, including height adjustment (130 mm), tilt (-5 to +25 degrees), and swivel (+/- 90 degrees).

5.4 Adaptive Sync

The monitor supports Adaptive Sync technology, which synchronizes the monitor's refresh rate with your graphics card's frame rate. This helps eliminate screen tearing and stuttering, providing a smoother gaming and video experience. Ensure your graphics card supports Adaptive Sync and that the feature is enabled in your graphics card's control panel.

6. MAINTENANCE

6.1 Cleaning the Monitor

To clean the monitor, follow these guidelines:

- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild, non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using benzene, thinner, ammonia, or abrasive cleaners, as they can damage the monitor's surface.

6.2 Storage

When storing the monitor for an extended period, ensure it is kept in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to store it in its original packaging to protect it from dust and physical damage.

7. TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Video cable disconnected; Incorrect input selected.	Check power and video cable connections; Select the correct input source via the OSD menu.
Image is blurry or distorted	Incorrect resolution; Dirty screen.	Set the display resolution to 3840x2160; Clean the screen as per maintenance instructions.
No sound from speakers	Volume too low or muted; Audio cable not connected (if using external speakers); Incorrect audio output selected on computer.	Adjust volume via OSD or computer; Ensure audio cable is connected; Check computer's audio output settings.
USB ports not working	USB upstream cable not connected.	Ensure the USB upstream cable is securely connected between the monitor and your computer.

If the problem persists after attempting these solutions, please contact Philips customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	27B1N3800/00
Screen Size	27 inches (68.6 cm)
Panel Type	IPS Technology
Resolution	3840 x 2160 (4K UHD)
Aspect Ratio	16:9
Refresh Rate	60 Hz
Response Time	4 ms
Contrast Ratio	1000:1
Color Support	1.074 billion colors
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, USB Hub (3 ports), Audio Out

Feature	Detail
Special Features	Integrated Speakers, Adaptive Sync, SmartImage, Flicker-Free
Power Consumption	22.97 Watt (typical)
Ergonomics	Height Adjustment (130 mm), Tilt (-5/25 degrees), Swivel (+/- 90 degrees)

9. WARRANTY AND SUPPORT

Philips provides the following guarantees for this product:

- Minimum guaranteed software updates: 7 years
- Minimum guaranteed availability of spare parts: 7 years
- Minimum guaranteed product support: 8 years
- Minimum duration of the general guarantee offered by the supplier: 3 years

For technical support, warranty claims, or further assistance, please visit the official Philips support website or contact customer service:

- Web support: www.philips.com/support
- Email: tpy.tech@tpy.com
- Telephone: +31 (0)20 504 6962

Manufacturer: MMD-Monitors & Displays Netherlands B.V.

Address: Prins Bernhardplein 200 1097 JB Amsterdam, Pays-Bas

10. ENVIRONMENTAL INFORMATION

This product complies with energy efficiency regulations. The Philips 27B1N3800 monitor has an energy efficiency rating of **E**, with a typical power consumption of 21 kWh per 1000 hours in SDR mode.

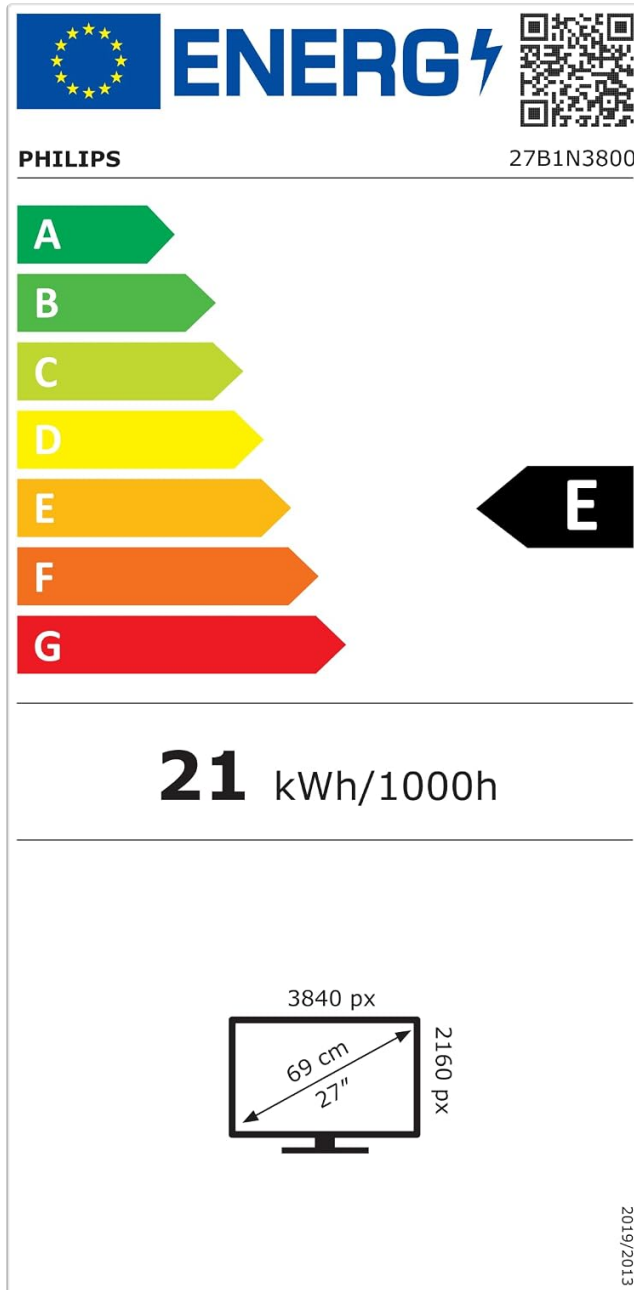


Figure 5: EU Energy Label for the Philips 27B1N3800 monitor, indicating an energy efficiency class of E and energy consumption of 21 kWh/1000h.

For detailed product information, refer to the EPREL database: <https://eprel.ec.europa.eu/qr/2071802>