ASUS PB287Q

ASUS PB287Q 28" 4K/UHD Monitor User Manual

Model: PB287Q | Brand: ASUS

1. INTRODUCTION

The ASUS PB287Q is a 28-inch True 4K ultra-high definition (4K UHD) monitor designed to deliver exceptional visual detail. Featuring a 16:9 aspect ratio WLED display, it provides a resolution of 3840 by 2160 pixels, offering a pixel density of 157 pixels-per-inch (PPI). This results in over 8 million pixels, four times the pixel density of standard Full HD displays. The monitor also boasts a 1ms GTG fast response time and a 60Hz refresh rate, making it suitable for various applications requiring high clarity and smooth motion.

Figure 1.1: Front view of the ASUS PB287Q monitor.

2. SETUP

2.1 Unpacking the Monitor

Carefully remove all components from the packaging. Ensure all items listed in the packing contents are present. Retain the packaging materials for future transport or storage.

2.2 Assembling the Stand

1. Place the monitor face down on a soft, clean surface to prevent scratches.
2. Attach the stand base to the stand neck, securing it with the provided screw.
3. Align the assembled stand with the mounting holes on the back of the monitor and firmly attach it.

Figure 2.1: The ASUS PB287Q monitor assembled with its ergonomic stand.

2.3 Connecting Cables

The ASUS PB287Q monitor supports multiple input options. Connect the appropriate cables from your computer or device to the monitor's input ports.

- **DisplayPort:** For 4K resolution at 60Hz, use the DisplayPort connection. A DisplayPort cable is typically included.
- **HDMI:** Connect via HDMI for 4K resolution at 30Hz. The monitor includes an HDMI port and often an HDMI/MHL port. An HDMI cable is typically included.
- **Power Cable:** Connect the power cable to the monitor's power input and then to a power outlet.

Figure 2.2: Rear view of the ASUS PB287Q monitor, showing various connectivity ports.

3. OPERATING THE MONITOR

3.1 Power On/Off

Press the power button located on the front or side of the monitor to turn it on or off. The power indicator light will illuminate when the monitor is active.

3.2 On-Screen Display (OSD) Menu Navigation

The OSD menu allows you to adjust various monitor settings. Use the physical buttons, typically located on the bottom right bezel, to navigate the menu.

- **Menu Button:** Opens the OSD menu.
- **Navigation Buttons:** Used to move through menu options (up/down, left/right).
- **Select/Enter Button:** Confirms a selection.
- **Exit Button:** Closes the OSD menu or goes back to the previous level.

3.3 Key Features and Adjustments

The ASUS PB287Q incorporates several exclusive technologies to enhance your viewing experience:

- **SplendidPlus Video Intelligence Technology:** Offers various preset display modes (e.g., Scenery, Standard, Theater, Game, Night View, sRGB, Reading, Darkroom) to optimize visual quality for different content types.
- **VividPixel Technology:** Enhances image outlines and reduces noise bars, providing a crystal-clear and detail-oriented viewing experience.
- **GamePlus Hotkey:** Provides in-game enhancements such as a crosshair overlay and a timer function, useful for gaming scenarios.
- **QuickFit Virtual Scale:** An on-screen overlay that allows you to preview documents and photos in their actual size before printing, providing a real-size view of A4 documents, photos, or grid alignments.
- **ASUS Eye Care Technology (Flicker-Free):** Reduces screen flicker to minimize eye strain and fatigue during prolonged use.
- **Ergonomic Adjustments:** The monitor stand allows for Tilt, Swivel, Pivot, and Height adjustments for optimal viewing comfort.

Figure 3.1: Illustration of the ASUS PB287Q monitor's height adjustment capability.

Height adjustment (150mm) Tilt (-5°/+20°)
Swivel(-60°/+60°) Rotate (90°) front view clockwise

Figure 3.2: The ASUS PB287Q monitor pivoted into portrait orientation.

4. MAINTENANCE

4.1 Cleaning the Monitor

To maintain the clarity and longevity of your monitor, follow these cleaning guidelines:

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a non-abrasive, monitor-specific cleaning solution.
- Gently wipe the screen and exterior surfaces. Avoid spraying liquid directly onto the screen or into any openings.
- Do not use alcohol, ammonia, or abrasive cleaners, as these can damage the screen coating.

5. TROUBLESHOOTING

If you encounter issues with your ASUS PB287Q monitor, refer to the following common troubleshooting steps. For more detailed solutions, consult the official user manual.

5.1 No Power/No Display

- Ensure the power cable is securely connected to both the monitor and a working power outlet.

- Verify that the power indicator light on the monitor is on.
- Check that the video cable (DisplayPort or HDMI) is firmly connected to both the monitor and your computer's graphics card.
- Try a different power outlet or video cable if available.

5.2 Incorrect Resolution or Refresh Rate

- Ensure your graphics card supports 4K (3840x2160) resolution.
- For 60Hz refresh rate at 4K, use a DisplayPort connection. HDMI connections typically support 4K at 30Hz.
- Update your graphics card drivers to the latest version.
- Adjust the display settings in your operating system to the native resolution (3840x2160) and desired refresh rate.

5.3 Image Quality Issues (Blurry, Distorted, Color Problems)

- Reset the monitor to its factory default settings via the OSD menu.
- Check the video cable for damage or loose connections.
- Adjust the brightness, contrast, and color settings in the OSD menu.
- Ensure the correct SplendidPlus mode is selected for your content.

5.4 Stuck or Dead Pixels

While rare, a small number of stuck or dead pixels may be present on LCD panels. Refer to ASUS's pixel policy for warranty coverage regarding pixel defects.

6. SPECIFICATIONS

Feature	Specification
Screen Size	28 Inches
Max Screen Resolution	3840 x 2160 (4K UHD)
Aspect Ratio	16:9
Response Time	1ms (GTG)
Refresh Rate	60Hz (DisplayPort), 30Hz (HDMI)
Panel Type	TN
Viewing Angle (CR≥10)	170°(H)/160°(V)
Brightness	300 cd/m² (Typical)
ASUS Smart Contrast Ratio (ASCR)	100,000,000:1
Connectivity	DisplayPort 1.2, HDMI 1.4, HDMI/MHL
Ergonomics	Tilt, Swivel, Pivot, Height Adjustment
VESA Wall Mounting	100x100mm

Feature	Specification
Power Consumption	< 30.45W (Typical)
Dimensions (WxHxD)	15 x 28 x 26 inches (with stand)
Weight	17.4 pounds

7. WARRANTY INFORMATION

The ASUS PB287Q monitor comes with an ASUS Rapid Replacement 3 Years Warranty. This warranty covers manufacturing defects and provides for quick replacement services. For specific terms and conditions, please refer to the warranty card included with your product or visit the official ASUS support website.
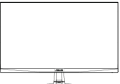
8. SUPPORT

For further assistance, detailed troubleshooting, or to download the complete user manual, please use the resources below:

- **Official User Manual (PDF):** Download PDF Manual
- **ASUS Official Store:** Visit ASUS Store on Amazon

Related Documents - PB287Q

[ASUS ROG Swift PG329Q User Manual](#)
Comprehensive user manual for the ASUS ROG Swift PG329Q gaming monitor, covering setup, OSD functions, specifications, troubleshooting, and safety information.

[ASUS ROG Swift PG329Q User Manual](#)
Comprehensive user manual for the ASUS ROG Swift PG329Q gaming monitor, covering setup, features, OSD menu navigation, troubleshooting, and specifications.

VG249Q5A/VG279Q5A Series LCD Monitor User Guide	[ASUS VG249Q5A/VG279Q5A Series LCD Monitor User Guide](#) User guide for the ASUS VG249Q5A and VG279Q5A Series LCD Monitors, covering setup, features, specifications, and troubleshooting.
[LCD]PIP/PBP function	[ASUS LCD Monitor Troubleshooting and Features Guide](#) A comprehensive guide to troubleshooting common issues with ASUS LCD monitors, including Picture-in-Picture (PIP) and Picture-by-Picture (PBP) functions, driver installation, resolution and frequency adjustments, sound issues, and display problems. It also covers the ASUS MultiFrame software for organizing multiple windows.
VG259QMR5A/ VG259QMRL5A Series LCD Monitor User Guide	[ASUS VG259QMR5A/VG259QMRL5A Series LCD Monitor User Guide](#) Comprehensive user guide for the ASUS VG259QMR5A and VG259QMRL5A Series LCD Monitors. Learn about setup, features, specifications, and troubleshooting.
VA24DQFS/VA27DQFS LCD Monitor *User Guide*	[ASUS VA24DQFS/VA27DQFS LCD Monitor User Guide](#) Comprehensive user guide for the ASUS VA24DQFS and VA27DQFS LCD monitors, covering setup, features, OSD menu, specifications, and troubleshooting. Learn how to connect, adjust, and optimize your ASUS monitor for the best viewing experience.