LG 86QNED85AUA

LG 86-Inch Class QNED AI 4K Smart TV (Model 86QNED85AUA) Instruction Manual

Introduction

This manual provides essential information for the setup, operation, and maintenance of your LG 86-Inch Class QNED AI 4K Smart TV, model 86QNED85AUA. Please read these instructions thoroughly before using your television to ensure proper functionality and safety.

What's in the Box

Verify that all the following components are included with your television:

- LG 86-Inch Class QNED AI 4K Smart TV
- Power Cable
- Stand components
- Remote Control
- User Manual (this document)

Setup

1. Attaching the Stand

Carefully place the TV screen-down on a soft, flat surface. Attach the stand components to the designated slots on the bottom of the TV using the provided screws. Ensure the stand is securely fastened before placing the TV upright.

2. Connecting Power

Connect the power cable to the TV's power input and then to a wall outlet. The TV will enter standby mode.

3. Initial Setup and Network Connection

Upon first power-on, the TV will guide you through the initial setup process. This includes language selection, time zone, and network connection (Wi-Fi or Ethernet). A stable internet connection is required to access smart features and streaming services.

4. Connecting External Devices

Use the available ports (HDMI, USB, Optical, Ethernet, RF) to connect external devices such as Blu-ray players, gaming consoles, soundbars, or cable/satellite boxes. Refer to the 'Specifications' section for port details.



Figure 1: Rear view of the LG QNED TV, highlighting the input ports for external device connections.



Figure 2: Detailed view of the LG QNED TV's connectivity panel, illustrating HDMI, USB, and LAN ports.

Operating Your TV

Remote Control

The included Magic Remote allows for intuitive control of your TV. It features point-and-click functionality, scrolling, and an AI button for voice commands and smart features. The remote can also be programmed to control other connected devices, reducing the need for multiple remotes.



Figure 3: The LG AI Magic Remote, showcasing its key functionalities for navigating the smart TV interface.

Smart TV Interface (webOS 25)

Your LG QNED TV runs on webOS 25, providing a user-friendly interface for accessing streaming services, live TV, and other applications. Use Quick Cards to organize your favorite apps into categories for quick access.

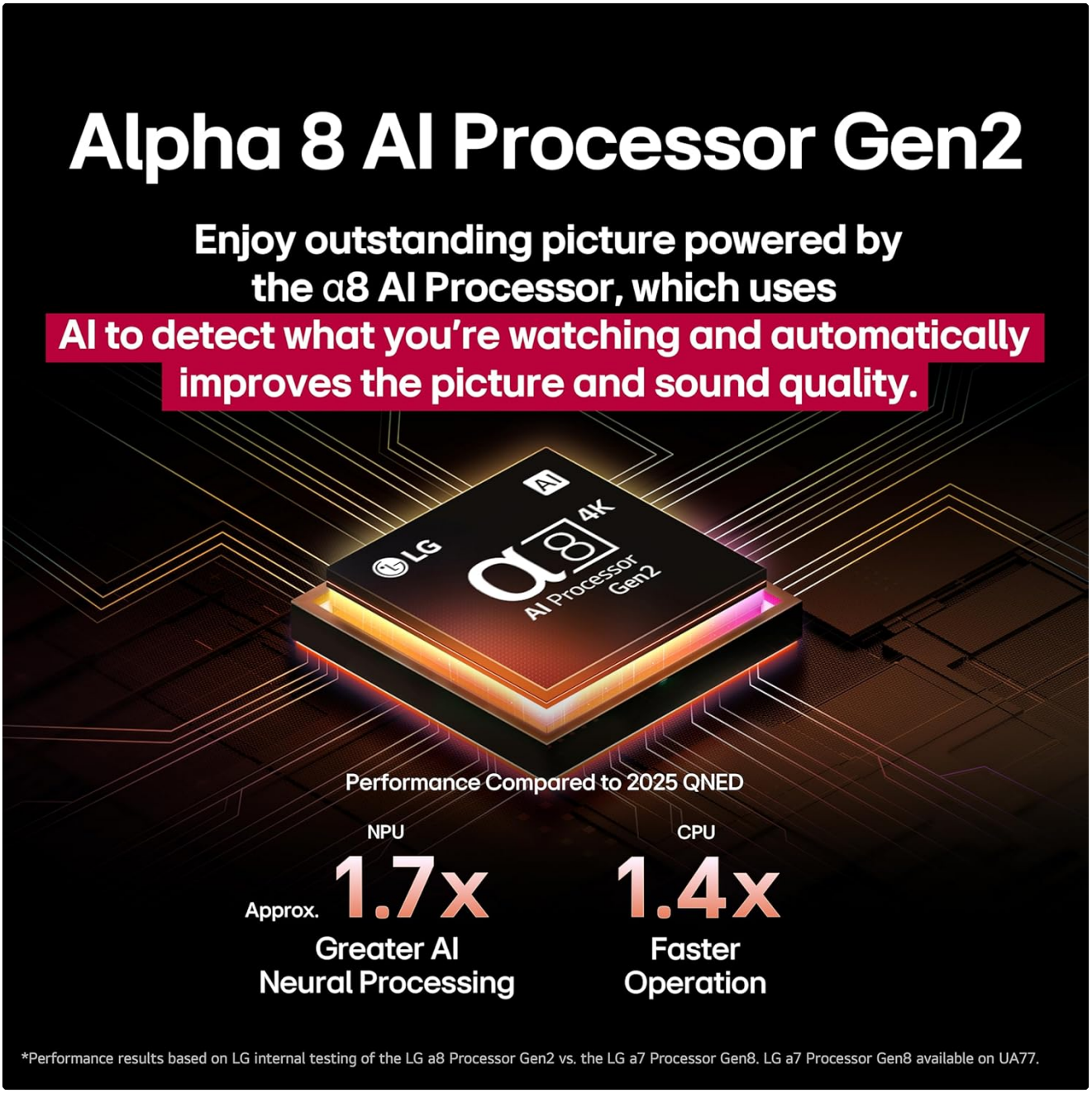


Figure 4: The webOS smart TV platform, displaying its intuitive layout and access to various entertainment options.

Picture and Sound Features

Dynamic QNED Color

The TV features LG's Dynamic QNED Color technology, offering 100% Color Volume for vibrant and accurate color reproduction. This technology enhances the visual experience by providing a wide color gamut.



Figure 5: Visual representation of Dynamic QNED Color, demonstrating its ability to produce rich and accurate colors.

MiniLED with Precision Dimming

MiniLED technology combined with Precision Dimming allows for precise control of individual dimming zones. This results in deeper black levels and brighter colors, contributing to enhanced contrast and detail in images.



Figure 6: A visual demonstrating the sharp contrast and detailed imagery achieved through MiniLED with Precision Dimming.

Alpha 8 AI Processor Gen2

The Alpha 8 AI Processor Gen2 utilizes artificial intelligence to analyze content and automatically optimize picture and sound quality. This processor enhances clarity, color, and audio for an improved viewing experience.



Figure 7: The Alpha 8 AI Processor Gen2, detailing its role in optimizing picture and sound through AI.

HDR10 Pro and Filmmaker Mode

HDR10 Pro enhances color and contrast for a more dynamic visual experience. **Filmmaker Mode** preserves the director's original colors, settings, and frame rates, providing a cinematic viewing experience as intended by the creators.

AI Sound Pro and Wow Orchestra

The TV features 2.0 Channel Sound with AI Sound Pro, which creates virtual 5.1 surround sound for an immersive audio experience. Wow Orchestra integrates the TV's speakers with a compatible LG soundbar for enhanced sound output.

Smart Features

The LG QNED TV offers a range of smart features for enhanced usability and entertainment:

- **webOS 25:** The operating system provides a streamlined interface for content discovery.
- **Quick Cards:** Organize your favorite applications into custom categories for faster access.
- **AI Magic Remote:** Navigate the TV with point-and-click, scrolling, and voice commands.
- **AI Search:** Provides personalized recommendations and additional solutions based on your requests.
- **Streaming Services:** Access popular applications like Netflix, Prime Video, Disney Plus, HBO Max, Apple TV, and more.
- **LG Channels:** Access over 300 free channels.
- **Voice Assistants:** Built-in Alexa and compatibility with Google Assistant for voice control.
- **Screen Mirroring:** Supports AirPlay 2 and Google Cast for casting content from mobile devices.



Figure 8: The AI Search function on LG webOS, demonstrating its ability to provide personalized content recommendations.

Gaming Features

The LG QNED TV is equipped with features designed to enhance the gaming experience:

- **120Hz Refresh Rate:** Provides smoother motion for fast-paced gaming.
- **AMD FreeSync & VRR:** Reduces screen tearing and stuttering for fluid gameplay.
- **GeForce NOW:** Cloud gaming support (subscription and compatible controller may be required).
- **LG Game Optimizer & Game Dashboard:** Centralized settings for optimizing game performance and quick access to gaming-related features.

Specifications

Feature	Detail
Model Name	86QNED85AUA

Screen Size	86 Inches
Display Technology	Mini LED
Resolution	4K (3840 x 2160)
Refresh Rate	120 Hz
Processor	Alpha 8 AI Processor 4K Gen2
HDR Format Supported	HDR10, HLG
Operating System	webOS
Connectivity Technology	Bluetooth (5.3), Ethernet, HDMI (4 ports), USB (2 ports), Wi-Fi
Audio Output	2.0 Channel Sound with AI Sound Pro, WOW Orchestra
Integrated Surround Sound	5.1 surround sound
Voice Assistants	Alexa Built-in, Google Assistant compatible
Dimensions (D x W x H)	14.1"D x 75.9"W x 46.3"H
Item Weight	112.4 Pounds (with stand)
Mounting Type	Wall Mount

Maintenance

To ensure the longevity and optimal performance of your LG QNED TV, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, dry microfiber cloth to gently wipe the screen. For stubborn smudges, lightly dampen the cloth with water or a screen-cleaning solution specifically designed for electronics. Avoid harsh chemicals or abrasive materials.
- **Cleaning the Frame:** Wipe the TV frame and stand with a soft, dry cloth.
- **Ventilation:** Ensure adequate ventilation around the TV. Do not block the ventilation openings on the back or sides of the TV.
- **Power Management:** Unplug the TV from the power outlet during lightning storms or when it will be left unattended for long periods.
- **Remote Control:** Replace batteries in the remote control as needed (2 AAA batteries).

Troubleshooting

If you encounter issues with your TV, refer to the following common troubleshooting steps:

- **No Power:** Check if the power cable is securely connected to both the TV and the wall outlet. Ensure the outlet is functional.
- **No Picture/Sound:** Verify that the correct input source is selected. Check all cable connections to external devices.
- **Remote Control Not Working:** Ensure batteries are correctly inserted and not depleted. Point the remote directly at the TV's sensor.
- **Network Connection Issues:** Restart your router and modem. Reconnect the TV to your Wi-Fi network or check the Ethernet cable connection.

- **Picture Quality Issues:** Adjust picture settings (brightness, contrast, color) in the TV menu. Ensure the content source is of high quality.

For more detailed troubleshooting or persistent issues, consult the full user manual or contact LG customer support.

Warranty and Support

Your LG 86-Inch Class QNED AI 4K Smart TV (Model 86QNED85AUA) comes with a**1 Year Parts & Labor Limited Warranty**.

For warranty claims, technical support, or additional product information, please visit the official LG website or contact LG customer service directly. Keep your proof of purchase for warranty validation.