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LG OLED83C5PUA

LG 83-Inch Class OLED evo AI 4K C5 Series Smart TV (OLED83C5PUA) User Manual

Model: OLED83C5PUA | Brand: LG

1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your LG 83-Inch Class OLED evo AI 4K C5 Series Smart TV. Please read this manual thoroughly before using your TV to ensure safe and optimal performance.



Figure 1: Front view of the LG 83-Inch Class OLED evo AI 4K C5 Series Smart TV.

2. SETUP

2.1 Unboxing and Included Components

Carefully remove the TV from its packaging. Ensure all components listed below are present:

- LG 83-Inch Class OLED evo AI 4K C5 Series Smart TV
- Magic Remote Control (with 2 AAA batteries)
- Stand (if not wall-mounting)
- Power Cable
- User Manual (this document)
- Quick Start Guide

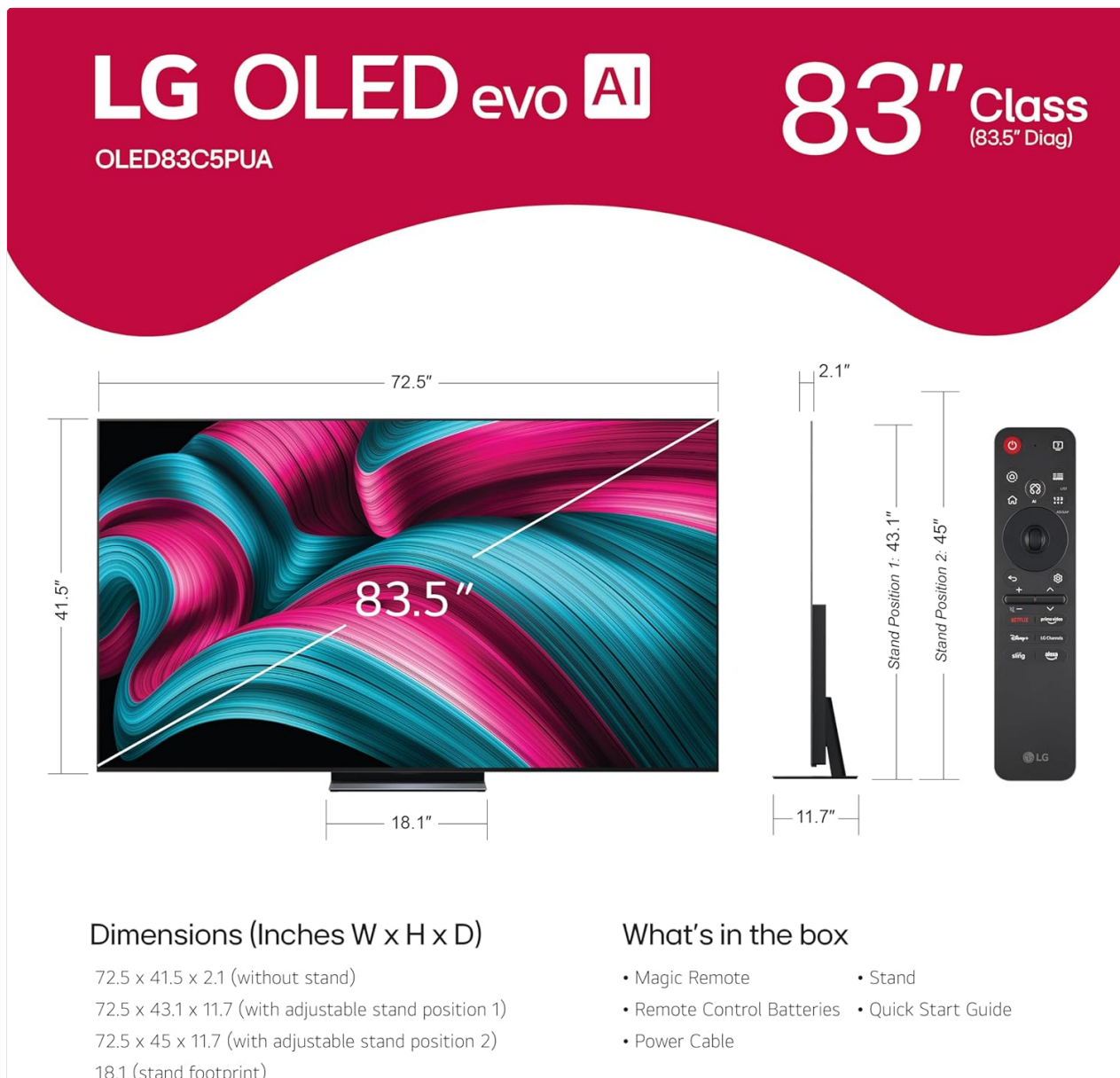


Figure 2: Product dimensions and contents of the box, including the TV, Magic Remote, and stand.

2.2 Stand Installation / Wall Mounting

For stand installation, follow the instructions provided in the Quick Start Guide. Ensure the stand is securely attached to prevent tipping. For wall mounting, use a VESA-compatible wall mount (sold separately) and consult a professional installer to ensure proper and safe installation. The TV is designed to sit nearly flush against the wall for a sleek appearance.



Figure 3: Side profile of the LG C5 Series TV, highlighting its thin design.

2.3 Connecting Peripherals

Connect your external devices (e.g., cable box, Blu-ray player, gaming console) to the appropriate ports on the rear of the TV. The LG C5 Series features four HDMI 2.1 inputs, supporting advanced features like 4K at 120Hz, VRR, and ALLM for optimal gaming and high-fidelity audio/video. It also includes USB ports, an Ethernet port, and supports Wi-Fi and Bluetooth connectivity.

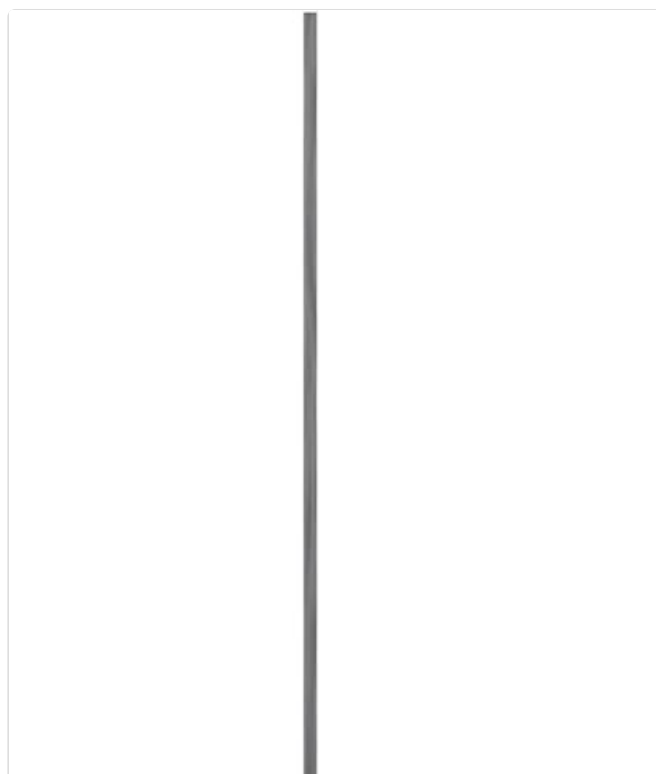




Figure 4: Close-up of the rear panel connections on the LG C5 Series TV, showing HDMI, USB, and LAN ports.

3. OPERATING INSTRUCTIONS

3.1 Powering On and Initial Setup

Plug the power cable into the TV and a wall outlet. Press the power button on the remote control to turn on the TV. Follow the on-screen prompts for initial setup, including network connection, channel scanning, and account setup.

3.2 Using the AI Magic Remote

The AI Magic Remote allows for intuitive control of your TV. Use the pointer function to navigate menus, the scroll wheel for quick browsing, and the AI button for voice commands. The remote is designed for easy access to settings and content search.



Figure 5: Features of the LG AI Magic Remote, including point & click, scrolling, and the AI button for voice commands.

3.3 Navigating webOS Smart Platform

Your LG C5 TV runs on the webOS 25 platform, offering a user-friendly interface for streaming services, apps, and live TV. The platform features AI technology for personalized recommendations and easy content discovery. Access over 350 free LG Channels and enjoy future software updates through the webOS Re:New Program.

webOS



TECHNOLOGY
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The heart of home entertainment

LG'S EMMY® AWARD-WINNING webOS SMART PLATFORM

Enjoy intelligent entertainment with webOS, LG's built-in smart platform,
backed by over 10 years of cutting-edge innovation.



Watch 300+ FREE
live channels

and stream thousands
of on demand
movies and series.



Endless content
at your fingertips

Binge all you want with
full libraries of content
from your favorite apps.



Play 500+ FREE single
+ multiplayer games

and access popular
game titles through
cloud gaming apps.



Software that stays
good as new

Our webOS Re:New program
automatically equips you with
new software updates and
version upgrades for 5 years.*



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*Supported menus and apps may vary by country and be different upon release.
Separate subscriptions required. Terms Apply.



Figure 6: The LG webOS Smart Platform home screen, displaying various applications and content categories.

3.4 Picture and Sound Settings

The $\alpha 9$ AI Processor Gen8 is the core of your TV's picture and sound optimization. It uses AI-assisted deep learning to adjust settings based on your content and preferences.

- **Brightness Booster:** Enhances the luminosity of individual pixels for detailed and bright visuals.
- **Perfect Black & Perfect Color:** With 8.3 million self-lit pixels, experience true blacks and accurate colors, even in bright rooms.
- **AI Picture Pro & AI Super Upscaling:** Analyzes each frame to enhance resolution, brightness, depth, and clarity, and automatically upscales content to 4K.
- **Dolby Vision & Dolby Atmos:** Enjoy extraordinary color, contrast, and brightness with Dolby Vision, and immersive sound that fills the room with Dolby Atmos.
- **FILMMAKER MODE:** Experience movies as the director intended, preserving original aspect ratios, colors, and frame rates.
- **Personalized Picture and Sound Wizard:** Set up your preferred picture and sound settings based on your favorite images and sound clips, creating a custom-tailored experience.

alpha 9 AI Processor Gen8

Enjoy personalized, crisp picture
and sound no matter what you

watch with AI Picture Pro and AI Super Upscaling*



NPU
Approx. **1.7x**
Greater AI
Neural Processing

CPU
1.7x
Faster
Operation

GPU
2.1x
Improved
Graphics

*Performance results based on LG internal testing of the LG a9 Processor Gen8 vs. the LG a7 Processor Gen8. LG a7 Processor Gen8 available on UA77. LG a7 Processor Gen8 available on UA77.

Figure 7: Diagram illustrating the $\alpha 9$ AI Processor Gen8, responsible for advanced picture and sound processing.

Brightness Booster

Brightness Booster technology magnifies each individual pixel
for luminous quality that shines with every detail.



Figure 8: Explanation of Brightness Booster technology, which magnifies individual pixels for luminous quality.

Perfect Black

Unveil mesmerizing depth, detail, and contrast with true black levels whether it's bright or dark around you.

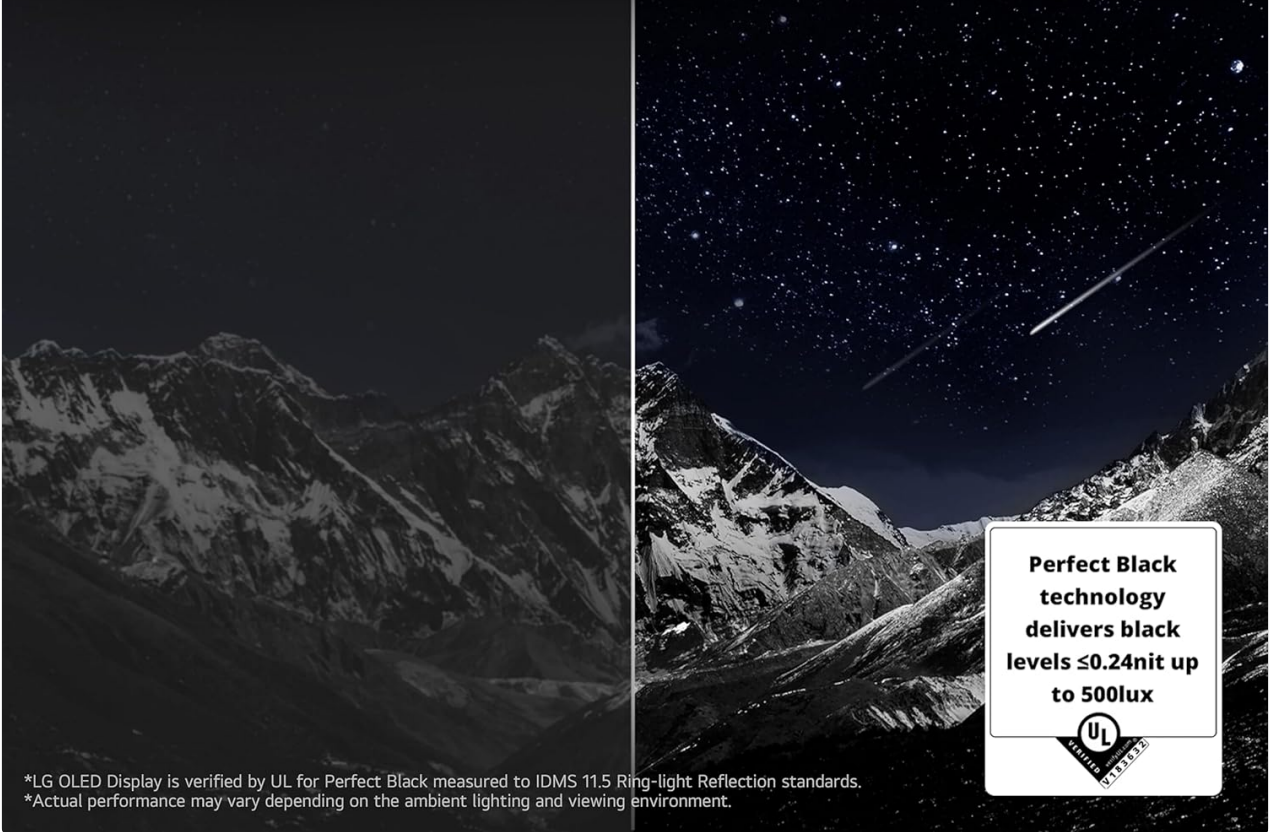


Figure 9: Visual representation of Perfect Black technology, delivering true black levels for enhanced contrast.

AI Picture Pro

Analyzes each frame, enhances resolution, brightness, depth, and clarity to bring every scene to life.



*AI Picture Pro will not work with any copyright-protected content on OTT services.
*Image quality of upscaled content will vary based on the source resolution.

Figure 11: AI Picture Pro in action, analyzing and enhancing resolution, brightness, depth, and clarity.

3.5 Gaming Features

The LG C5 Series is optimized for gaming, offering a competitive edge with its advanced features:

- **Ultra-Fast Response Time:** Enjoy crisp, smooth imagery with a 0.1ms response time.
- **High Refresh Rate:** Supports up to a 144Hz refresh rate (for PC gaming) and native 120Hz, minimizing blurring and tearing.
- **Variable Refresh Rate (VRR):** Compatible with NVIDIA G-Sync and AMD FreeSync Premium to further improve gaming quality by synchronizing the display's refresh rate with the GPU.
- **HDMI 2.1 Ports:** Four HDMI 2.1 inputs allow connection of multiple next-gen gaming devices.
- **Game Dashboard & Game Optimizer:** Provides quick access to all gaming settings and optimizations, whether you game on consoles or via cloud services.



Figure 12: A gaming setup featuring the LG C5 Series TV, showcasing its immersive gaming capabilities.

3.6 AI Voice ID with My Profile

The TV can recognize your voice and provide tailored content recommendations based on your viewing habits and preferences. This feature enhances the personalized experience of webOS.

AI Voice ID with My Profile

LG AI Voice ID recognizes your voice and offers tailored recommendations.

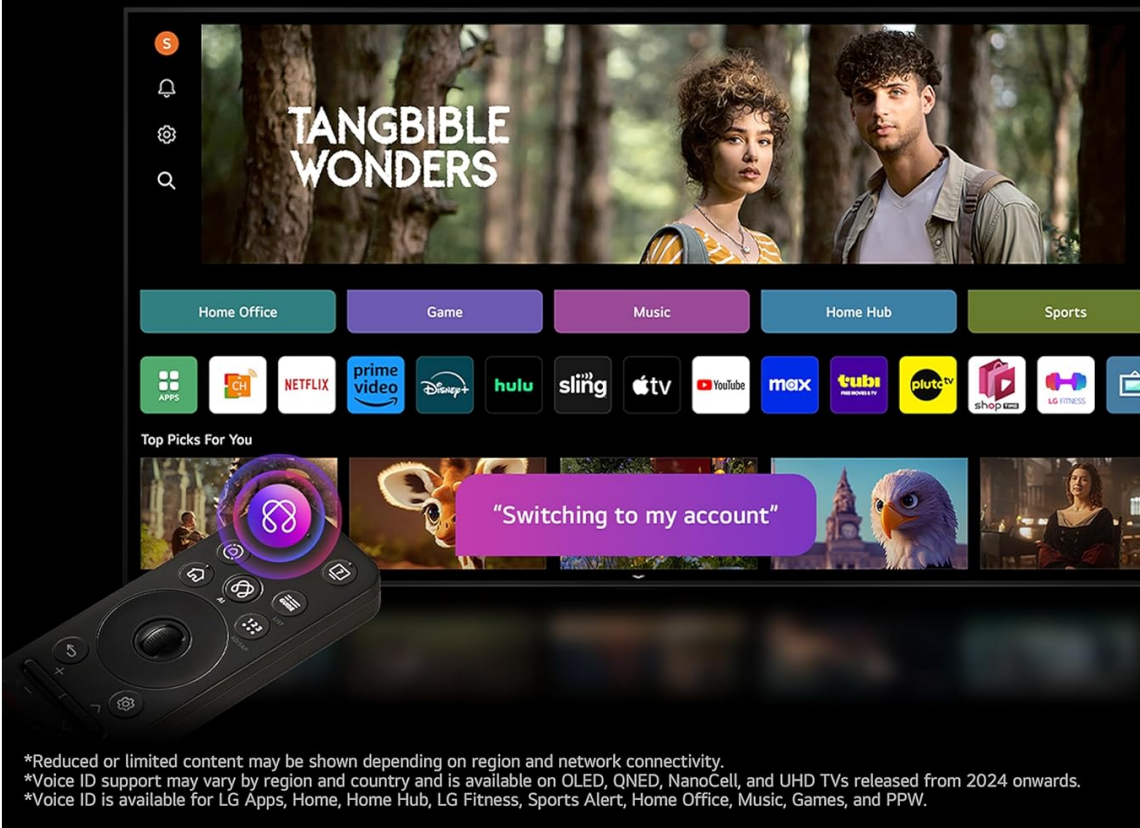


Figure 13: The AI Voice ID interface, demonstrating personalized content recommendations based on user profiles.

4. MAINTENANCE

4.1 Screen Care

To clean the screen, gently wipe it with a soft, dry microfiber cloth. For stubborn smudges, lightly dampen the cloth with distilled water. Avoid using harsh chemicals, abrasive materials, or excessive pressure, as these can damage the OLED panel. To prevent image retention (burn-in), avoid displaying static images for extended periods and utilize the TV's built-in screen-saver and pixel-refresh features.

4.2 Software Updates

Your LG C5 TV is part of the webOS Re:New Program, which offers new software updates and feature refreshes for 5 years. Ensure your TV is connected to the internet to receive automatic updates. If auto-update is disabled, you will receive a pop-up notification to accept or deny software updates.

5. TROUBLESHOOTING

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

- **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 (HDMI, audio) for looseness or damage.
- **Remote Not Responding:** Replace the batteries in the Magic Remote. Ensure there are no obstructions between the remote and the TV.
- **Network Connection Issues:** Check your Wi-Fi router and internet connection. Try restarting both the TV and the router.
- **Picture Quality Issues:** Adjust picture settings (brightness, contrast, sharpness). Ensure the content source is high quality.

For more detailed troubleshooting, consult the comprehensive User Guide accessible via the webOS platform or visit the LG support website.

6. SPECIFICATIONS

Feature	Description
Brand	LG
Model Number	OLED83C5PUA
Screen Size	83 Inches
Display Technology	OLED
Resolution	4K (3840 x 2160)
Refresh Rate	Native 120 Hz (up to 144Hz for PC gaming)
Processor	α9 AI Processor Gen8
Audio Technology	Dolby Atmos
HDR Support	Dolby Vision, HDR10
Gaming Features	0.1ms Response Time, VRR, NVIDIA G-Sync, AMD FreeSync Premium, ALLM
Connectivity	4x HDMI 2.1, 3x USB 2.0, Ethernet, Wi-Fi, Bluetooth
Smart TV Platform	webOS 25 with AI Voice ID, Alexa Built-in, Google Cast
Dimensions (W x D x H)	72.5 x 11.7 x 45 inches (with stand)
Item Weight	72.8 Pounds

7. WARRANTY AND SUPPORT

Your LG 83-Inch Class OLED evo AI 4K C5 Series Smart TV comes with a manufacturer's warranty. Please refer to the warranty card included in your packaging for specific terms and conditions. For technical support, service, or additional information, please visit the official LG Electronics website or contact their customer service. The included User Manual and Quick Start Guide provide further details on product usage and care.

8. OFFICIAL PRODUCT VIDEOS

LG OLED AI B5 Testimonial Video (LG Electronics)

Your browser does not support the video tag.

This video from LG Electronics highlights the AI features and OLED technology present in the 2025 LG OLED B5 series, which shares core AI and display advancements with the C5 series.

LG OLED evo AI G5 4K Smart TV 2025 (LG Electronics)

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An official video from LG Electronics showcasing the LG OLED evo AI G5 4K Smart TV, demonstrating the advanced picture quality and AI capabilities relevant to the C5 series.

Picture Quality Review (Netjinx)

Your browser does not support the video tag.

A seller's review emphasizing the impressive picture quality of the LG C5 Series TV.

Sound and Features Review (Netjinx)

Your browser does not support the video tag.

A seller's video highlighting the amazing sound and various features of the LG C5 Series TV.

Sleek Design and 4K Resolution (Favored&Festive)

Your browser does not support the video tag.

A seller's perspective on the sleek design and crystal-clear 4K resolution of the LG C5 Series TV.

Customer Review: LG 83-Inch OLED G4 (Caroline)

Your browser does not support the video tag.

A customer's review of the LG 83-Inch OLED G4, which shares many core features and design principles with the C5 series, discussing its stunning picture and design.