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LG OLED48C5PSA

LG OLED48C5PSA 48-inch 4K OLED Smart TV User Manual

Model: OLED48C5PSA

1. Introduction

This manual provides essential information for the safe and efficient use of your LG OLED48C5PSA 48-inch 4K OLED Smart TV. Please read it thoroughly before operating the device and retain it for future reference. Your new LG OLED TV features a 4K OLED display, powered by the α9 AI Processor 4K Gen8, running on webOS 25, offering exceptional picture quality and smart functionalities.

Figure 1: LG OLED48C5PSA 48-inch 4K OLED Smart TV

2. Setup

2.1 Unboxing and Inspection

- Carefully remove the TV and all accessories from the packaging.
- Inspect the TV for any signs of damage. If damaged, do not plug it in and contact your retailer.
- Retain the packaging for future transportation.

2.2 Stand Installation

If you are not wall-mounting the TV, attach the included stand. Ensure the TV is placed on a soft, flat surface (like a blanket) to prevent screen damage during installation.

1. Align the stand base with the corresponding slots on the TV.
2. Secure the stand using the provided screws. Do not overtighten.

Figure 2: TV with Stand Attached

2.3 Wall Mounting

This TV supports VESA wall mounts. The VESA mounting pattern for this model is 600 x 400 mm. Use appropriate wall mount brackets and consult a professional for installation to ensure safety.

2.4 Connecting External Devices

Your TV is equipped with multiple ports for connecting various devices.



Figure 3: Rear Panel Connections

- **HDMI Ports (x4):** Connect Blu-ray players, game consoles, set-top boxes, etc. Supports 4K @ 120Hz.
- **USB Ports (x1):** Connect USB storage devices for media playback.
- **Ethernet Port:** For wired network connection.
- **Antenna/Cable Input:** For connecting an antenna or cable TV.
- **Optical Digital Audio Out:** For connecting to a soundbar or AV receiver.

2.5 Power Connection and Initial Setup

1. Plug the power cord securely into the TV's power inlet and then into a wall outlet.
2. Press the Power button on the remote control or on the TV.
3. Follow the on-screen instructions for the initial setup, which includes language selection, network connection, channel tuning, and agreeing to terms and conditions.

3. Operating Your TV

3.1 Remote Control (Magic Remote)

Your LG TV comes with a Magic Remote, which allows for intuitive control using point, click, scroll, and voice commands.

- **Power Button:** Turns the TV on/off.
- **Number Buttons:** For direct channel access.
- **Volume Up/Down:** Adjusts volume.
- **Channel Up/Down:** Changes channels.
- **Home Button:** Accesses the webOS Home screen.
- **Settings Button:** Opens the Quick Settings menu.
- **Voice Recognition Button:** Activates voice commands (e.g., Amazon Alexa).
- **Navigation Wheel/OK Button:** For scrolling and confirming selections.

3.2 webOS 25 Smart Features

The webOS 25 platform provides access to a wide range of streaming services, apps, and smart functionalities.

- **Home Dashboard:** Manage connected devices, smart home appliances, and access inputs.
- **App Store:** Download and install additional applications.
- **AI Concierge & AI Search:** Utilize artificial intelligence for content recommendations and quick searches.
- **Voice Control:** Use integrated Amazon Alexa for hands-free control and information.

3.3 Picture Settings

Your OLED TV offers superior picture quality. Adjust settings to your preference via the Settings menu.

- **Picture Mode:** Select from Vivid, Standard, Eco, Cinema, Sports, Game, Filmmaker Mode, etc.

- **Brightness:** Adjust the overall luminance. For OLED longevity, consider setting brightness to a moderate level (e.g., 10-15% for extended use, as suggested by user reviews, to manage panel temperature).
- **Contrast:** Adjust the difference between the brightest and darkest parts of the image.
- **Color:** Adjust color saturation.
- **Sharpness:** Adjust the clarity of image edges.
- **OLED Pixel Brightness:** Controls the brightness of the OLED pixels.
- **AI Picture Pro:** Utilizes the α9 AI Processor Gen8 to automatically optimize picture quality based on content.
- **HDR (High Dynamic Range):** Supports Dolby Vision for enhanced contrast and color in compatible content.

Figure 4: Perfect Black Technology

3.4 Sound Settings

Customize your audio experience.

- **Sound Mode:** Select from Standard, Cinema, Clear Voice Pro, Sports, Music, Game.
- **AI Sound Pro:** Optimizes sound based on content and room acoustics.
- **Dolby Atmos:** Experience immersive, multi-dimensional audio with compatible content.
- **Sound Output:** Choose between TV Internal Speaker, Optical Out, HDMI ARC, or Bluetooth.

3.5 Gaming Features

This TV is optimized for gaming with advanced features.

- **Game Optimizer:** A dedicated menu for gaming settings, including genre-specific presets.
- **120Hz Refresh Rate:** Provides smooth motion for fast-paced games.
- **VRR (Variable Refresh Rate):** Reduces screen tearing and stuttering.
- **AMD FreeSync:** Ensures fluid gameplay with compatible graphics cards.
- **ALLM (Auto Low Latency Mode):** Automatically switches to low-latency mode when a game console is detected.

4. Maintenance

4.1 Cleaning Your TV

- **Screen:** Gently wipe the screen with a soft, dry microfiber cloth. For stubborn marks, lightly dampen the cloth with water (or a specialized screen cleaner) and wipe gently. Do not spray liquid directly onto the screen.
- **Frame and Stand:** Wipe with a soft, dry cloth.
- **Do Not Use:** Abrasive cleaners, waxes, or solvents (alcohol, benzene, thinners) as they can damage the TV's finish.
- Always unplug the TV before cleaning.

4.2 Software Updates

Ensure your TV's software is up to date for optimal performance and security.

- Connect your TV to the internet.
- Navigate to **Settings > All Settings > Support > Software Update**
- Enable "Allow automatic updates" or check for updates manually.

4.3 OLED Panel Care

OLED panels are susceptible to image retention (burn-in) under certain conditions, though LG TVs have features to mitigate this.

- **Avoid Static Images:** Do not display static images (e.g., channel logos, game HUDs, news tickers) for extended periods.
- **Adjust Brightness:** Keep the OLED Pixel Brightness and overall brightness at a comfortable, moderate level, especially for prolonged viewing. High brightness settings, combined with high ambient temperatures, can accelerate panel degradation.
- **Pixel Refresher:** Your TV has an automatic Pixel Refresher function that runs periodically when the TV is off. Do not unplug the TV immediately after turning it off.
- **Screen Shift:** This feature slightly moves the screen to prevent static images from affecting the same pixels. It can be found in **Settings > All Settings > Picture > OLED Care > OLED Panel Care**

5. Troubleshooting

Before contacting service, try the following basic troubleshooting steps.

5.1 No Power

- Check if the power cord is securely plugged into the TV and the wall outlet.
- Ensure the wall outlet is working by plugging in another device.
- Try pressing the power button on the TV itself, not just the remote.

5.2 No Picture or Poor Picture Quality

- Verify the correct input source is selected (e.g., HDMI 1, TV).
- Check all cable connections (HDMI, antenna) are secure.
- If using an external device, ensure it is powered on and functioning correctly.
- Adjust picture settings (brightness, contrast, sharpness).
- Perform a Picture Test: **Settings > All Settings > Support > Picture Test**

5.3 No Sound or Poor Sound Quality

- Check the volume level and ensure the TV is not muted.
- Verify sound output settings (**Settings > All Settings > Sound > Sound Out**).
- If using external audio devices (soundbar, receiver), ensure they are powered on and connected correctly.
- Perform a Sound Test: **Settings > All Settings > Support > Sound Test**

5.4 Remote Control Not Working

- Replace the batteries in the remote control.
- Ensure there are no obstructions between the remote and the TV.
- Re-pair the Magic Remote: Point the remote at the TV and press the **Wheel (OK)** button.

5.5 Network Connection Issues

- Check if your router is powered on and functioning.
- For Wi-Fi, ensure you have entered the correct password.
- For wired connection, ensure the Ethernet cable is securely connected.
- Restart your router and modem.
- Perform a Network Connection Test: **Settings > All Settings > Network > Connection Status**

5.6 Factory Reset

If problems persist, you may perform a factory reset. This will erase all your settings and data.

- Navigate to **Settings > All Settings > General > Reset to Initial Settings**
- Confirm your choice. The TV will restart and go through the initial setup process.

6. Specifications

Figure 5: TV Dimensions (48-inch model)

Feature	Detail
Model Name	OLED48C5PSA
Screen Size	48 inches
Display Technology	OLED
Resolution	4K UHD (3840 x 2160)
Refresh Rate	120Hz (Native)
Processor	α9 AI Processor 4K Gen8
Operating System	webOS 25
HDR Support	Dolby Vision
Audio Output	Dolby Atmos, 5.1 Channel Configuration
HDMI Ports	4 (HDMI 2.1 compatible)
USB Ports	1 (USB 3.0)
Connectivity	Wi-Fi, Bluetooth, Ethernet
Smart Features	Amazon Alexa integrated, AI Concierge, AI Search
Gaming Features	120Hz VRR, AMD FreeSync, ALLM
VESA Mounting	600 x 400 mm
Dimensions (W x H x D)	107.1 x 61.8 x 4.7 cm (without stand)
Energy Efficiency	A+

Figure 6: α9 AI Processor 4K Gen8

7. Warranty Information

Your LG OLED48C5PSA Smart TV comes with a**1-year limited warranty** provided by the manufacturer. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full terms and conditions, refer to the warranty card included with your product or visit the official LG website.

8. Customer Support

If you encounter issues that cannot be resolved using the troubleshooting guide, or if you require further assistance, please contact LG Customer Service.

- Visit the official LG website for support resources, FAQs, and contact information.
- Refer to the contact details provided in your product's documentation.
- Have your TV model number (OLED48C5PSA) and serial number ready when contacting support.

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