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LG OLED65B7A

LG OLED65B7A 65-Inch 4K Ultra HD Smart OLED TV (2017 Model)

Instruction Manual

1. Introduction

This manual provides essential information for the safe and efficient use of your LG OLED65B7A 65-Inch 4K Ultra HD Smart OLED TV. Please read it thoroughly before operating the product and retain it for future reference. Your LG OLED TV delivers stunning 4K Ultra HD resolution, perfect black levels, and vibrant colors, powered by the intuitive webOS 3.5 Smart TV platform.



Figure 1.1: The LG OLED65B7A 65-Inch 4K Ultra HD Smart OLED TV.

2. Safety Information

Always follow these basic safety precautions to reduce the risk of fire, electric shock, or injury:

- Do not expose the TV to rain or moisture.
- Do not open the TV casing; refer all servicing to qualified personnel.
- Ensure proper ventilation around the TV.
- Place the TV on a stable, level surface or mount securely to a wall.
- Keep the TV away from heat sources and direct sunlight.
- Unplug the TV during lightning storms or when unused for long periods.

3. Setup

3.1 Physical Setup (Stand or Wall Mount)

Before beginning, ensure you have adequate space and assistance for handling the 65-inch television. The TV without its stand measures approximately 57.1" (W) x 32.7" (H) x 1.9" (D). With the stand, it measures 57.1" (W) x 34.7" (H) x 8.9" (D).

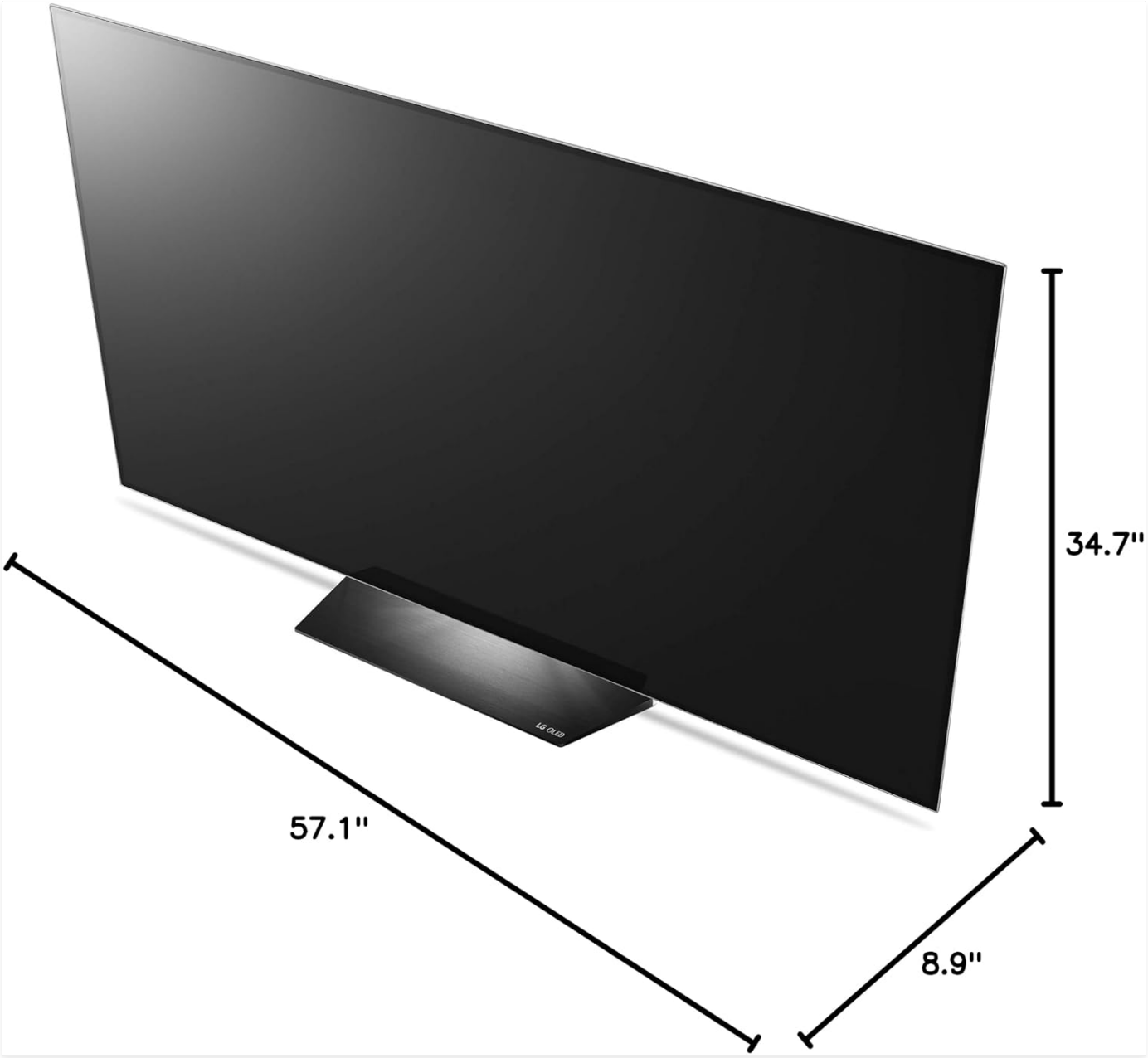


Figure 3.1: Dimensions of the LG OLED65B7A TV with stand.

If using the included stand, carefully attach it according to the separate assembly instructions provided in the packaging. If wall-mounting, use a compatible VESA mount (sold separately) and follow the mount manufacturer's instructions, ensuring the wall can support the TV's weight (approximately 59 pounds).

3.2 Connections

Connect your external devices to the appropriate ports on the rear or side of the TV:

- **HDMI (x4):** For connecting high-definition devices like Blu-ray players, game consoles, and set-top boxes.
- **USB (x3):** For connecting USB storage devices to play media files.
- **RF (x1):** For connecting an antenna or cable TV.
- **Composite (x1):** For older devices (shared with Component input).
- **Ethernet (x1):** For a wired network connection.
- **Optical (x1):** For digital audio output to a soundbar or home theater system.

- **RS232C (Mini Jack x1):** For service or control systems.

Ensure all cables are securely connected. For optimal 4K HDR performance, use high-speed HDMI cables.

3.3 Initial Power On

After connecting all devices and the power cord, press the power button on the TV or remote control. The TV will guide you through the initial setup process, including language selection, network connection (Wi-Fi Built-in 802.11ac or Ethernet), and channel scanning.

4. Operating Instructions

4.1 Basic Operation with webOS 3.5

Your LG OLED TV features webOS 3.5, an intuitive Smart TV operating system. Use the Magic Remote to navigate the on-screen pointer and select applications like Netflix, Hulu, Amazon Prime Video, YouTube, and more. The Home Dashboard provides quick access to inputs, apps, and settings.

4.2 Picture Settings

Optimizing picture settings is crucial for the best viewing experience. The LG OLED65B7A offers various modes and advanced controls. For general viewing, the 'Expert (Dark Room)' or 'Expert (Bright Room)' modes provide a good starting point. For HDR content, the TV will automatically switch to an HDR picture mode.
Key picture settings to consider:

- **OLED Light:** Adjusts the overall brightness of the screen.
- **Contrast:** Controls the difference between the brightest and darkest parts of the image.
- **Brightness:** Adjusts the black level. A value of 50 is generally recommended.
- **Sharpness:** For high-quality content, set to 0 to avoid artificial enhancements.
- **Color:** Adjusts color saturation. The default of 50 is often the most accurate.
- **Tint:** Adjusts the green/red balance. Leave at default (0).
- **Dynamic Contrast:** Enhances contrast dynamically. Can be useful for HDR but may affect accuracy.
- **Super Resolution:** Attempts to increase detail in low-quality content. Disable for high-quality sources.
- **Color Gamut:** Set to 'Auto' or 'Normal' for accurate colors. 'Wide' can oversaturate.
- **Edge Enhancer:** Leave 'On' for HDR content for closest picture to source material.
- **Gamma:** Adjusts the relationship between dark and bright objects. 2.2 is standard for movies.
- **White Balance:** 'Warm2' is typically the most accurate color temperature.

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Video 4.1: An overview of the LG OLED65B7A 65-Inch TV, highlighting its features and picture quality. This video provides a visual demonstration of the TV's capabilities.

4.3 Sound Settings

Access the sound settings menu to adjust audio output. Options typically include various sound modes (Standard, Cinema, Music, Game, Sports), a sound optimizer, and balance controls. For external audio systems, ensure the TV's audio output is correctly configured (e.g., Optical or HDMI ARC).

5. Maintenance

5.1 Cleaning Your TV

To clean the screen, gently wipe it with a soft, dry, lint-free cloth. For stubborn marks, slightly dampen the cloth with water or a

specialized screen cleaner. Never spray cleaner directly onto the screen. Clean the TV frame and stand with a soft, dry cloth.

5.2 Pixel Refresher

The LG OLED TV includes a Pixel Refresher function to maintain image quality and address potential uniformity issues. A small pixel refresh runs automatically when the TV is turned off after approximately four hours of use. You can also manually initiate a pixel refresher from the OLED Panel Settings menu. This process takes about an hour to complete and helps to optimize pixel performance. It is recommended to run this periodically or if you notice any screen uniformity concerns.

6. Troubleshooting

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

- **No Power:** Ensure the power cord is securely plugged into both the TV and a working electrical outlet. Try a different outlet.
- **No Picture/Sound:** Check all cable connections (HDMI, RF, etc.). Ensure the correct input source is selected on the TV.
- **Poor Picture Quality:** Adjust picture settings (brightness, contrast, sharpness). Check the source content quality.
- **Remote Not Working:** Replace the batteries in the Magic Remote. Ensure there are no obstructions between the remote and the TV.
- **Smart Features Not Working:** Check your internet connection (Wi-Fi or Ethernet). Restart your router and the TV.

For more detailed troubleshooting, consult the comprehensive e-manual accessible through the TV's Smart features or visit the LG support website.

7. Specifications

Feature	Specification
Model Number	OLED65B7A
Screen Size	65 Inches
Display Technology	OLED
Resolution	4K Ultra HD
Smart TV Operating System	webOS 3.5
Connectivity	Wi-Fi Built-in 802.11ac, Ethernet
Inputs	4 HDMI, 3 USB, 1 RF, 1 Composite, 1 Optical, 1 RS232C (Mini Jack)
Dimensions (without stand)	57.1" W x 32.7" H x 1.9" D
Dimensions (with stand)	57.1" W x 34.7" H x 8.9" D
Item Weight	59 Pounds
Refresh Rate	60 Hz

8. Warranty and Support

Your LG OLED65B7A TV comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, service, or to register your product, please visit the official LG Electronics website or contact LG customer service directly. Keep your purchase receipt as proof of purchase for

warranty claims.

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