LG OLED65B1PUA

LG OLED B1 Series 65-inch 4K Smart TV (OLED65B1PUA) User Manual

Model: OLED65B1PUA

Setup Operating Instructions Specifications Warranty & Support

Introduction

This manual provides essential information for setting up, operating, and maintaining your LG OLED B1 Series 65-inch 4K Smart TV (Model: OLED65B1PUA). Please read this manual thoroughly before using the product to ensure safe and correct usage.

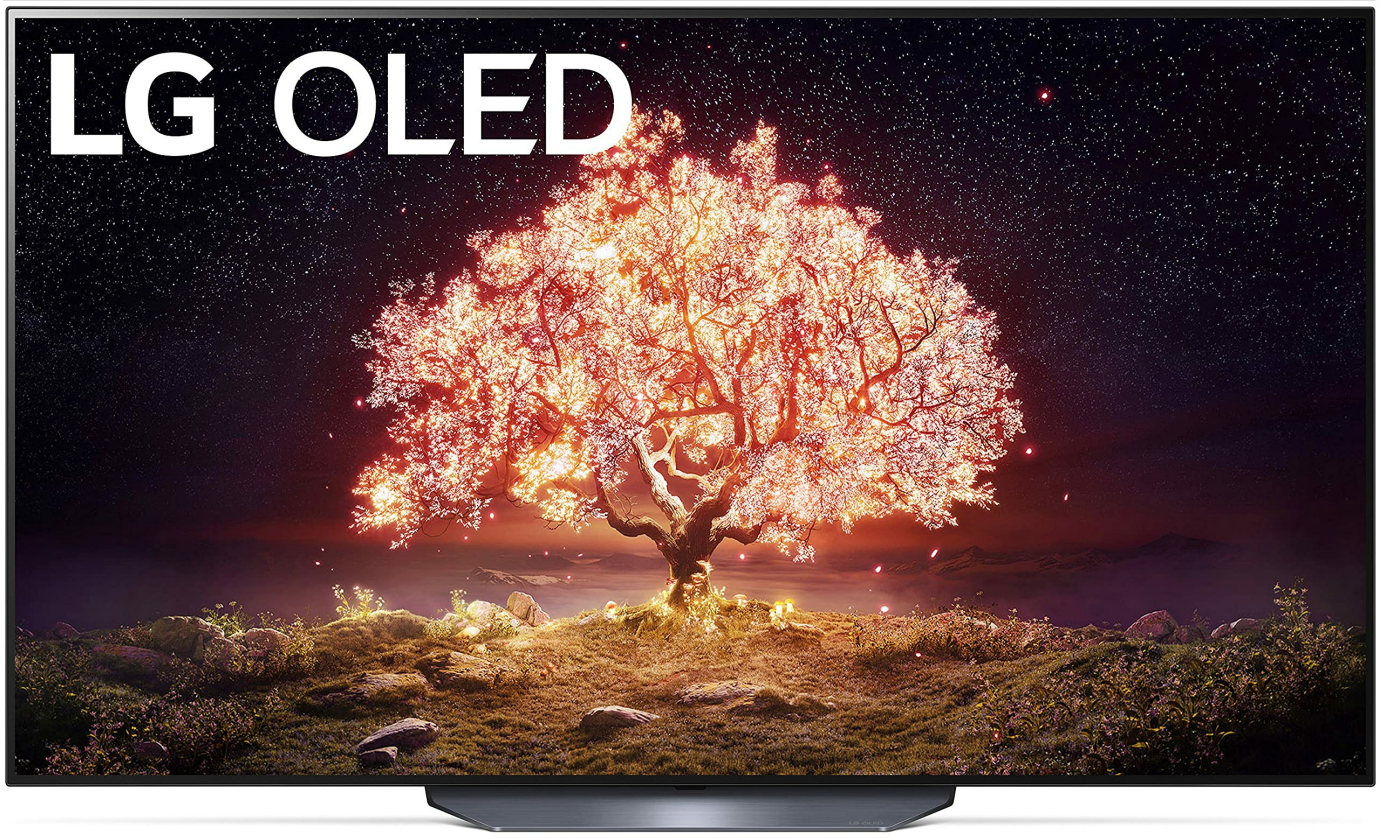


Figure 1: Front view of the LG OLED B1 Series 65-inch 4K Smart TV.

Setup

1. Unpacking and Initial Inspection

Carefully remove the TV and all accessories from the packaging. Inspect for any damage. Keep packaging materials for future transport or service if needed.

2. What's in the Box

- LG OLED B1 Series 65-inch 4K Smart TV
- Stand
- Magic Remote Control
- AA Batteries for Remote Control
- Power Cable
- Quick Start Guide
- E-Manual (accessible via TV)

3. Stand Installation / Wall Mounting

The TV includes a stand for tabletop placement. For wall mounting, an optional wall mount (OLW480B) is sold separately. Ensure proper installation by following the instructions provided with the stand or wall mount.



Figure 2: Side view illustrating the TV's slim profile.

4. Connecting External Devices

Connect your external devices to the appropriate ports on the back and side of the TV. Refer to the diagrams below for port locations.

- **HDMI Input (HDCP 2.2):** 2 (rear) / 2 (side). HDMI ports 3 and 4 support 4K @ 120Hz.
- **HDMI Audio Return Channel (ARC):** eARC (HDMI 3)
- **USB Ports (v 2.0):** 1 (rear) / 2 (side)
- **RF Connection Input (Antenna/Cable):** 1 (Rear, RF)
- **Ethernet Input:** 1 (rear)
- **RS-232C Input (Mini Jack):** 1 (rear)
- **Digital Audio Output (Optical):** 1 (rear)
- **Headphone Out:** 1 (rear)

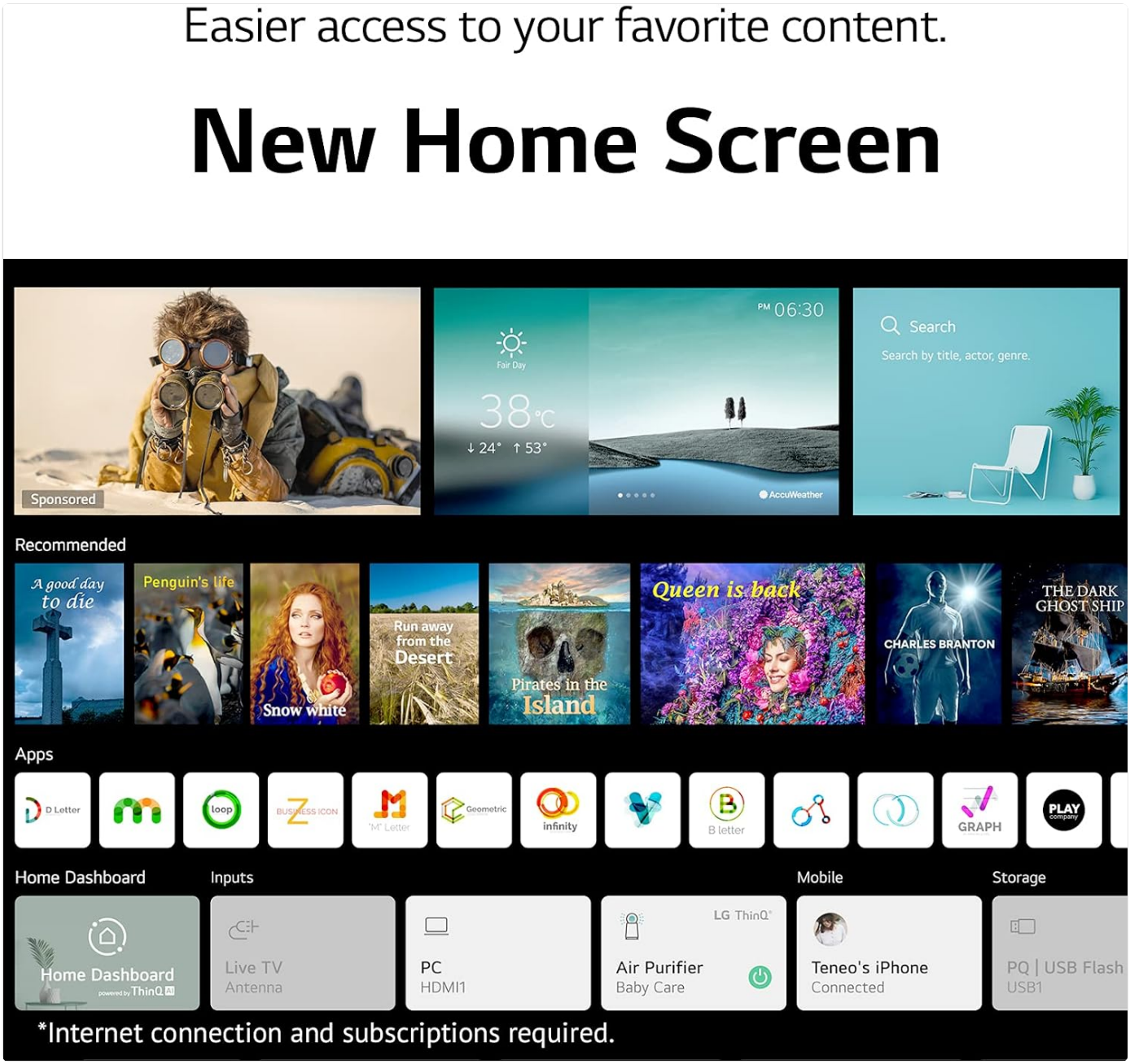


Figure 3: Rear connectivity ports.



Figure 4: Side connectivity ports.

5. Power Connection

Connect the power cable to the TV and then to a wall outlet. The TV operates on 120 V~ 50/60 Hz.

Operating Instructions

1. Magic Remote Control

The Magic Remote allows for intuitive control of your TV with point, click, scroll, and voice commands. It also features button shortcuts for popular content providers.




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GUIDE
QUICK ACCESS
AD/SAP
NETFLIX
prime video
Disney+
LG Channels
LG

Figure 5: LG Magic Remote Control.

2. webOS Smart TV Features

Your LG OLED TV runs on webOS, providing access to a wide range of streaming services and smart features. The newly designed home screen offers personalized content suggestions and easier access to favorites.

- **Content Providers:** Netflix, Prime Video, Disney+, Apple TV, Hulu, Paramount+, Peacock, Youtube TV, Spotify, iHeartRadio, and more.
- **Voice Assistants:** Google Assistant and Alexa are built-in, allowing voice control of your TV and connected smart home devices.
- **LG ThinQ AI:** Maximize your TV experience with AI features and control.



Figure 6: webOS New Home Screen.

3. Picture and Sound Enhancements

- **OLED Display:** Self-lit pixels provide perfect black, intense color, and infinite contrast.
- **α7 Gen4 AI Processor 4K:** This processor automatically adjusts viewing and audio settings with AI Picture and AI Sound, and performs AI 4K Upscaling.
- **Dolby Vision IQ & Dolby Atmos:** Enjoy breathtaking cinematic results with intelligent picture adjustments and multi-dimensional surround sound.
- **Filmmaker Mode:** Preserves original aspect ratios, colors, and frame rates for an authentic viewing experience.
- **AI Picture:** Uses deep-learning algorithms to optimize picture quality by recognizing content and removing noise.
- **AI Sound:** Identifies voices, effects, and frequencies to optimize sound by genre for an immersive experience.
- **Bluetooth Surround Ready:** Connect up to two LG Bluetooth speakers for wireless surround sound.
- **WiSA Ready:** Supports high-fidelity wireless audio with a separate transmitter dongle.



Figure 7: OLED Display capabilities.



Figure 8: α7 Gen4 AI Processor 4K.

4. Gaming Features

The LG OLED B1 TV is optimized for gaming with features designed for a responsive and smooth experience.

- **G-SYNC Compatible & FreeSync Premium:** Ensures real-time action with virtually no tearing.
- **Game Optimizer:** Centralizes all game settings for easy access and customization.
- **VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), HGiG:**Supports the latest HDMI 2.1 specifications for fast-moving content, smooth graphics, and low input lag.
- **Response Time:** Less than 1 ms.
- **Cloud Gaming:** Stadia (firmware update required).



Figure 9: Gaming compatibility.



Figure 10: Game Optimizer interface.

5. Sports Alert

Stay informed about your favorite teams with Sports Alert, which provides updates on start times and scores, even while watching other content. Easily switch to games without searching for the channel.

Maintenance

1. Screen Cleaning

To clean the screen, gently wipe it with a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water or a specialized screen cleaner. Avoid using harsh chemicals or abrasive materials.

2. General Care

Keep the TV in a well-ventilated area. Avoid exposing it to direct sunlight, high humidity, or extreme temperatures. Do not block ventilation openings. Regularly dust the TV and its components.

Specifications

Feature	Detail
Model Number	OLED65B1PUA
Display Type	OLED Display
Display Resolution	4K Ultra HD (3,840 x 2,160)
Refresh Rate	120Hz Native
Picture Processor	α7 Gen4 AI Processor 4K
HDR Support	Cinema HDR (Dolby Vision, HDR10, HLG), Dolby Vision IQ
Gaming Features	G-SYNC Compatible, FreeSync Premium™, VRR, ALLM, HGiG, Response Time >1 ms
Operating System	webOS
Voice Assistants	Google Assistant & Alexa Built-in
Speaker System	2.2 Channel, 40W Output Power, Down Firing
Audio Technologies	Dolby Atmos, AI Sound, Bluetooth Surround Ready, WiSA Ready (dongle required)
Wi-Fi Standard	Wi-Fi Certified 802.11ac
Bluetooth Support	Version 5.0
HDMI Inputs	4 (2 rear, 2 side), HDMI 3 & 4 support 4K @ 120Hz, HDMI 3 supports eARC
USB Ports	3 (1 rear, 2 side)
Ethernet Input	1 (rear)
Digital Audio Output	1 (Optical, rear)
TV Dimensions with Stand (WxHxD)	57.0" x 34.2" x 9.7"
TV Dimensions without Stand (WxHxD)	57.0" x 32.7" x 1.8"
TV Weight with Stand	55.1 lbs
Power Supply	120 V~ 50/60 Hz
Power Consumption	120W (Typical)
Standby Power Consumption	Under 0.5W

Warranty & Support

1. Limited Warranty

This product is covered by a limited warranty. For complete details regarding the terms and conditions of your warranty, please refer to the "Support" section on the official LG website or the E-Manual accessible through your TV's settings.

2. Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact LG Customer Support. You can find contact information and additional resources on the official LG website.
Additional resources such as the E-Manual and Quick Start Guide are provided with your TV and can also be found online.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question