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> [LG 65NANO81A6A 4K NanoCell Smart TV User Manual](#)

## LG 65NANO81A6A

# LG 65NANO81A6A 4K NanoCell Smart TV User Manual

Model: 65NANO81A6A

## 1. INTRODUCTION

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This manual provides essential information for the setup, operation, and maintenance of your LG 65NANO81A6A 4K NanoCell Smart TV. Please read this manual thoroughly before operating your TV to ensure safe and correct use.

The LG 65NANO81A6A is a 65-inch 4K NanoCell Smart TV designed to deliver brilliant colors and sharp images. It features NanoCell technology for pure and precise colors, 4K Ultra HD resolution, and an  $\alpha 5$  Gen5 AI 4K Processor for optimized picture and sound. The webOS Smart TV platform provides an intuitive user interface with access to popular streaming services and voice control capabilities.

## 2. SAFETY INFORMATION

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Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, or injury.

- Do not block ventilation openings. Ensure adequate space around the TV for proper airflow.
- Do not place the TV near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the box before proceeding with the setup.

- LG 65NANO81A6A 4K NanoCell Smart TV
- Magic Remote Control (with 1 AAAA battery included)
- Power Cable
- TV Stand Components

- Documentation (User Manual, Warranty Card)

## 4. SETUP

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### 4.1 Stand Installation

If you are not wall-mounting your TV, follow these steps to attach the stand. Ensure the TV is placed on a soft, flat surface to prevent screen damage.



*Image: Top view of the TV stand base, showing the curved design and mounting point. This image illustrates the design of the stand that supports the television.*

1. Carefully place the TV face-down on a cushioned surface.
2. Align the stand base with the mounting holes on the bottom of the TV.
3. Secure the stand using the provided screws. Do not overtighten.
4. Carefully lift the TV to its upright position on a stable, level surface.

**Note:** For wall mounting, a separate VESA-compatible wall mount kit (not included) is required. Refer to the wall mount kit instructions for installation.

### 4.2 Connecting External Devices

Connect your external devices to the appropriate ports on the back of the TV.



*Image: The back panel of the LG TV, displaying the arrangement of input and output ports including HDMI, USB, and network connections. This view helps identify where to connect cables.*

- **HDMI:** Connect Blu-ray players, game consoles, or set-top boxes to the HDMI ports (3 available).
- **USB:** Connect USB storage devices for media playback or software updates (2 available).
- **LAN (Ethernet):** For a wired internet connection.
- **Optical Audio Output:** For connecting to an external sound system.
- **CI+ Slot:** For conditional access modules (CAM) from your service provider.

### 4.3 Power Connection

Plug the power cable into the TV's power input, then plug the other end into a wall outlet. Ensure the connection is secure.

### 4.4 Initial Setup Wizard

Upon first power-on, the TV will guide you through an initial setup process. This includes:

- Language selection.
- Country/Region selection.
- Network connection (Wi-Fi or wired LAN).
- Tuner setup (Antenna/Cable).
- Agreement to terms and conditions.

## 5. OPERATING THE TV

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### 5.1 Remote Control Functions

The LG Magic Remote provides intuitive control over your TV. Insert the included AAAA battery into the remote control.

- **Power Button:** Turns the TV on or off.
- **Volume Up/Down:** Adjusts the sound level.
- **Channel Up/Down:** Changes TV channels.
- **Input Button:** Selects input sources (HDMI 1, HDMI 2, etc.).
- **Home Button:** Accesses the webOS Smart TV home screen.
- **Voice Button:** Activates voice control (ThinQ AI, Google Assistant, Alexa).
- **Navigation Wheel/Buttons:** For menu navigation and selection.

## 5.2 Smart TV Features (webOS)

Your LG TV runs on the webOS platform, offering a user-friendly interface for accessing content and applications.

- **Home Screen:** Press the **Home** button on your remote to access the launcher bar, which displays your favorite apps, inputs, and settings.
- **App Access:** Easily access pre-installed apps like Netflix, Amazon Prime Video, Disney+, and YouTube. You can download more apps from the LG Content Store.
- **Voice Control:** Use the voice button on your Magic Remote to issue commands or search for content using ThinQ AI, Google Assistant, or Alexa.

## 5.3 Picture and Sound Settings

Optimize your viewing and listening experience through the TV's settings menu.



Image: The LG NanoCell TV screen showcasing a vivid image of braided ropes in various bright colors, highlighting the display's color accuracy and vibrancy.

- **NanoCell Technology:** Experience pure and precise colors thanks to the nanoparticles that filter out dull colors.
- **4K Ultra HD Resolution:** Enjoy sharp details and vivid image quality.
- **HDR10 and HLG Support:** Provides enhanced contrast and a wider range of colors for compatible content.
- **α5 Gen5 AI 4K Processor:** This processor automatically optimizes picture and sound quality based on the content being viewed.
- **Dolby Audio / Virtual Surround:** Delivers clear and powerful sound for an immersive audio experience. Adjust sound modes in the settings.

## 5.4 Gaming Features

The TV includes features to enhance your gaming experience.

- **Game Mode:** Automatically detects game consoles and optimizes settings for gaming.
- **Low Input Lag:** Reduces the delay between your controller input and the on-screen action, providing a more responsive gaming experience.

## 6. MAINTENANCE

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### 6.1 Cleaning the TV

- Always unplug the TV before cleaning.
- Use a soft, dry cloth to wipe the screen and cabinet. Do not use liquid cleaners, sprays, or waxes directly on the screen.
- For stubborn marks, lightly dampen a microfiber cloth with water and gently wipe.

### 6.2 Software Updates

Ensure your TV's software is up to date for optimal performance and new features. You can usually find the update option in the TV's settings menu under "Support" or "About This TV."

## 7. TROUBLESHOOTING

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

Problem	Possible Cause / Solution
No power	Check if the power cord is securely plugged into the TV and the wall outlet. Ensure the wall outlet is functioning (test with another device). Press the power button on the TV itself, not just the remote.
No picture, but sound is present	Check the input source. Press the <b>Input</b> button on the remote to cycle through sources. Ensure the external device (e.g., Blu-ray player) is powered on and connected correctly. Try a different HDMI cable.
No sound, but picture is present	Check the volume level on the TV and any connected audio systems. Ensure the TV is not muted. Check audio output settings in the TV menu.

Problem	Possible Cause / Solution
Wi-Fi connection issues	Restart your Wi-Fi router and the TV. Ensure the TV is within range of your Wi-Fi network. Verify the Wi-Fi password.
Remote control not working	Replace the AAAA battery in the remote control. Ensure there are no obstructions between the remote and the TV. Re-pair the Magic Remote if necessary (refer to TV's on-screen instructions).

If the problem persists after trying these solutions, please contact LG customer support.

## 8. SPECIFICATIONS

Feature	Detail
Brand	LG
Model Number	65NANO81A6A
Screen Size	65 Inches
Display Technology	LED (NanoCell)
Resolution	4K Ultra HD (3840 x 2160)
Refresh Rate	60 Hz
Operating System	webOS
Processor	α5 Gen5 AI 4K Processor
Special Features	NanoCell Technology, AI 4K Processor, Game Mode, Low Input Lag, HDR10, HLG, ThinQ AI, Google Assistant, Alexa
Connectivity	Bluetooth, Ethernet, HDMI (3 ports), USB (2 ports), Wi-Fi, Optical Audio Output, CI+ Slot
Audio Technology	Dolby Audio / Virtual Surround
Dimensions (with stand)	Approx. 22.8D x 160W x 97.0H cm
Included Components	Power Cable, Remote Control (with battery)

## 9. WARRANTY AND SUPPORT

Your LG 65NANO81A6A Smart TV comes with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including warranty period and coverage details.

For technical support, service inquiries, or to download the latest software and detailed manuals, please visit the official LG support website or contact LG customer service in your region. Contact information can typically be found on the LG website or in the warranty documentation.

