

LG 55QNED80TUC

LG 55-Inch Class QNED80T Series LED Smart TV Instruction Manual

Model: 55QNED80TUC

Brand: LG

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your LG 55-Inch Class QNED80T Series LED Smart TV. Please read this manual thoroughly before using your TV and retain it for future reference. The LG QNED80T combines Quantum Dot and NanoCell color technologies for a vivid and immersive viewing experience. It features Dimming Pro for deep black levels and is powered by the $\alpha 5$ AI Processor Gen7 for enhanced picture detail and improved sound. The webOS 24 platform offers a streamlined streaming experience with Quick Cards and access to LG Channels.

2. WHAT'S IN THE BOX

Upon unpacking, ensure all items listed below are present:

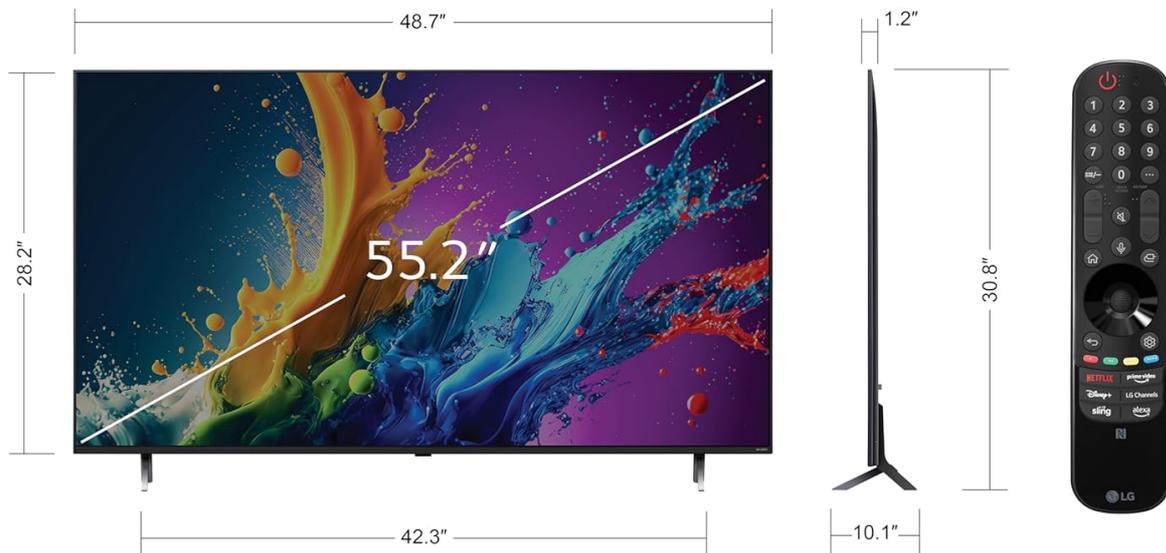
- LG 55-Inch Class QNED80T Series LED Smart TV
- Magic Remote MR24
- Remote Control Batteries (AA x 2EA)
- Power Cable (attached)
- Quick Start Guide
- E-Manual (digital)
- TV Stand (if not wall-mounted)

LG QNED

55QNED80TUC

55" Class

(55.2" Diag)



Dimensions (Inches W x H x D)

48.7 x 28.2 x 1.2 (without stand)

48.7 x 30.8 x 10.1 (with stand)

42.3 x 10.1 (stand footprint)

What's in the box

- Magic Remote
- Stand
- Remote Control Batteries
- Quick Start Guide
- Power Cable

Figure 2.1: TV dimensions, Magic Remote, and contents of the box.

3. SETUP

3.1 Attaching the Stand

If you are not wall-mounting your TV, attach the included stand. Carefully place the TV screen-down on a soft, flat surface to prevent damage. Align the stand feet with the designated slots on the bottom of the TV and secure them using the provided screws. Refer to the Quick Start Guide for detailed illustrations.



Figure 3.1: Attached TV stand.

3.2 Power Connection

Connect the power cable to the TV's power input and then to a wall outlet. Ensure the connection is secure.

3.3 Initial Power On

Press the power button on the remote control or the TV's control button to turn on the TV. Follow the on-screen instructions for initial setup, including language selection, network connection, and channel scanning.

4. KEY FEATURES

4.1 QNED Contrast and Quantum Dot NanoCell Color

The LG QNED80T Series TV utilizes a combination of Quantum Dot and NanoCell color technologies to produce vibrant and immersive images. Dimming Pro technology dynamically adjusts the backlights to achieve deep black levels, enhancing overall contrast.



Figure 4.1: Vibrant colors and picture quality on LG QNED.

Video 4.1: An official LG video explaining the benefits and technology behind LG QNED displays.

4.2 $\alpha 5$ AI Processor Gen7

The TV is powered by the $\alpha 5$ AI Processor Gen7, which enhances brightness, improves sound, and refines picture detail. This AI-powered processor upscales content to 4K resolution and adjusts color and contrast based on room lighting conditions.

α5 AI Processor Gen7

Enhanced brightness, improved sound, refined picture detail. It all comes together for a thrilling watching experience powered by the α5 AI Processor Gen 7.

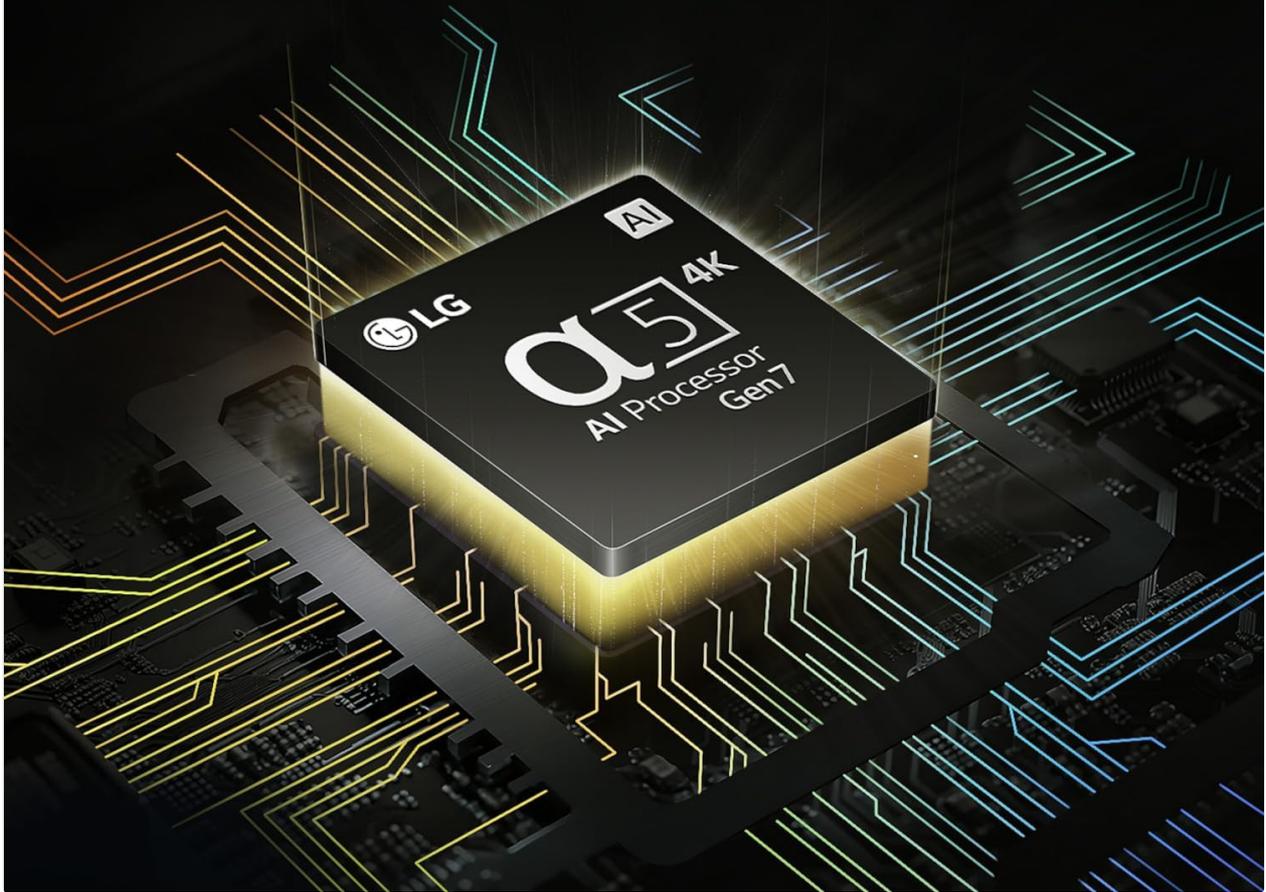
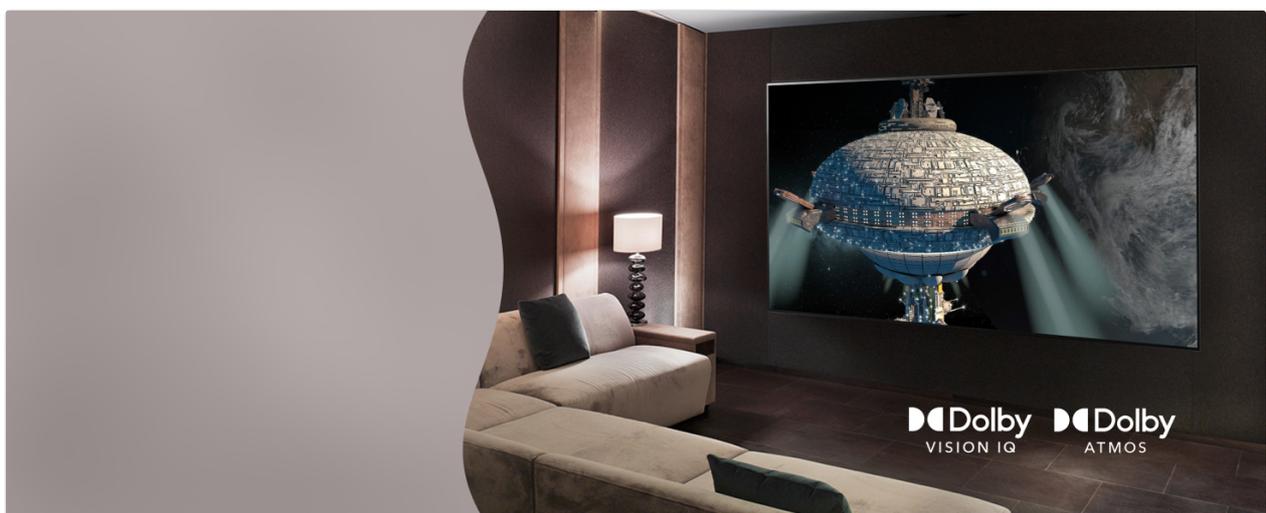


Figure 4.2: The α5 AI Processor Gen7.

4.3 HDR10 Pro and Filmmaker Mode

HDR10 Pro delivers a dramatic visual experience with elevated picture quality by enhancing colors on your screen. Filmmaker Mode allows you to view films as directors intended, preserving original aspect ratios, colors, and frame rates. Virtual 5.1 surround sound further enhances the home theater experience.



4.4 webOS Re:New Program

The webOS Re:New Program ensures your TV stays updated with new software and feature refreshes for up to 5 years, providing long-term performance and peace of mind.

The graphic features a dark background with a glowing horizon line at the bottom. At the top, the text 'webOS Re:New Program' is displayed in large, white, sans-serif font. Below this, a smaller line of text reads: 'Enjoy 5 years of performance and peace of mind. With LG's Re:New Program enjoy new software updates and feature refreshes for 5 years.' In the center, there is a stylized logo consisting of several overlapping, curved bands in shades of orange, yellow, and red, resembling a flame or a wave. At the bottom of the graphic, the text 'webOS Re:New Program' is repeated in a smaller font. A small disclaimer at the very bottom states: '*Software update will automatically download. Consumers who disable "auto-update" will receive a pop-up notification to accept or deny software update.'

Figure 4.4: webOS Re:New Program details.

5. OPERATING THE TV

5.1 webOS 24 Smart Platform

The LG QNED80T features the webOS 24 smart platform, offering an intuitive and easy-to-navigate interface. Quick Cards allow you to group your favorite apps into categories for quick access. The Magic Remote provides a convenient way to browse and select content.

webOS

Browse all your favorite streaming apps and let LG Channels connects you to 300+ free channels*.

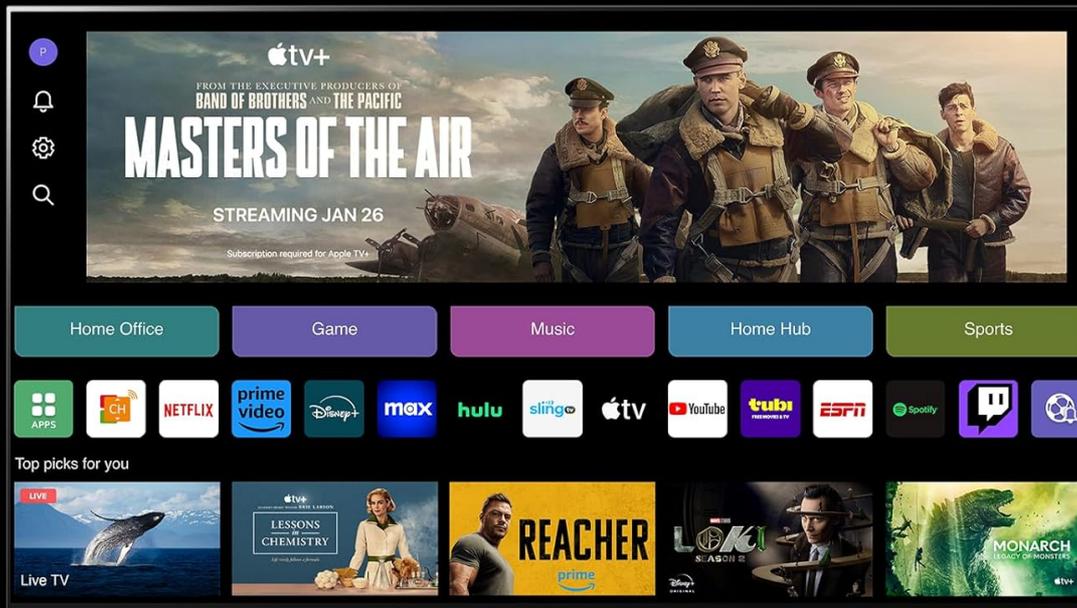
avforums

EDITOR'S CHOICE

LG WebOS 23

Best Smart TV System

2023/2024



*Internet connection and subscriptions to streaming services are required; number of LG Channels subject to change.

Figure 5.1: webOS 24 interface with streaming apps.

Video 5.1: An official LG video highlighting the features and benefits of the LG webOS smart TV platform.

5.2 Magic Remote and Voice Assistants

The included Magic Remote allows for intuitive control with point-and-click functionality. The TV also supports multiple voice assistants, including Alexa built-in, AirPlay, HomeKit, and Google Assistant, enabling hands-free control and smart home integration.



Figure 5.2: LG Magic Remote.

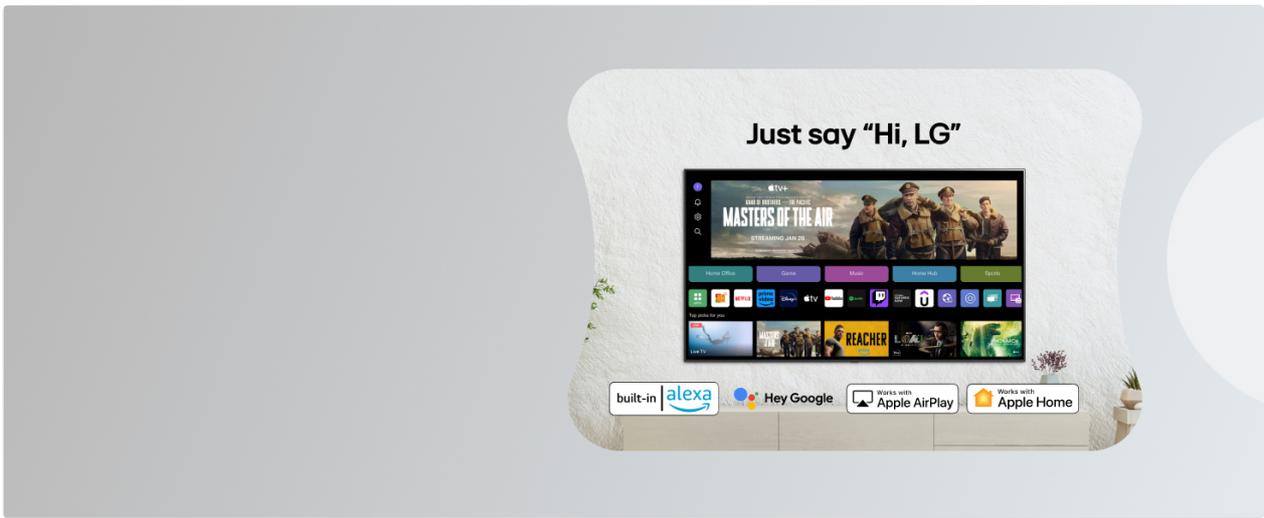


Figure 5.3: Voice assistant integration.

5.3 LG Channels

Access over 300 free channels with LG Channels, offering a wide variety of content including movies, news, sports, and more. An internet connection is required for streaming services and LG Channels.

6. GAMING FEATURES

The LG QNED80T is equipped with features designed to enhance your gaming experience.

6.1 LG Game Optimizer and GeForce NOW

Quickly customize your gaming settings in one location with the LG Game Optimizer. With GeForce NOW included, you can automatically stream and access cloud gaming (subscription and compatible gaming controller may be required).



Figure 6.1: Enhanced gaming experience.

Bring on the game

Quickly customize your gaming experience in one location with the LG Game Optimizer. And, with GeForce NOW included, you can automatically stream and get in the game.*

ALLM
Auto Low Latency Mode

eARC
Enhanced Audio Return Channel

HGiG
HDMI GAMING INTEREST GROUP



*Subscription and compatible gaming controller are required.

Figure 6.2: LG Game Optimizer and GeForce NOW.

7. CONNECTIVITY

Your LG QNED80T TV offers various connectivity options for your devices.

7.1 Ports and Inputs

The TV includes multiple HDMI and USB ports for connecting external devices such as gaming consoles, Blu-ray players, and USB storage. It also features Ethernet for wired network connection and optical digital audio out for sound systems.



Details shown on product images may vary by region, country, or model.

Figure 7.1: Back panel of the TV.



Details shown on product images may vary by region, country, or model.

Figure 7.2: Side-facing HDMI and USB ports.

7.2 Wireless Connectivity

The TV supports Wi-Fi for wireless internet access and Bluetooth for connecting compatible audio devices or accessories.

8. MAINTENANCE

To ensure the longevity and optimal performance of your LG QNED80T TV, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, dry microfiber cloth. For stubborn smudges, lightly dampen the cloth with water or a screen-specific cleaning solution (never spray directly onto the screen).
- **Cleaning the Frame:** Use a soft, dry cloth to wipe the TV frame. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings on the back of the TV are not blocked to prevent overheating.
- **Power Off:** Always turn off the TV and unplug it from the wall outlet before cleaning or when it will not be used for an extended period.

9. TROUBLESHOOTING

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

- **No Power:** Check if the power cable is securely connected to both the TV and the wall outlet. Try plugging another device into the same outlet to confirm it has power.
- **No Picture/Sound:** Ensure the correct input source is selected. Check all cable connections (HDMI, antenna, etc.) for looseness.
- **Remote Not Working:** Replace the batteries in the Magic Remote. Ensure there are no obstructions between the remote and the TV.

- **Network Connection Issues:** Verify your Wi-Fi password and router connection. Try restarting your router and the TV. For wired connections, ensure the Ethernet cable is properly connected.
- **Picture Quality Issues:** Adjust picture settings (brightness, contrast, color) in the TV menu. Ensure the content source is of high quality.

For more complex issues, consult the full E-Manual or contact LG customer support.

10. SPECIFICATIONS

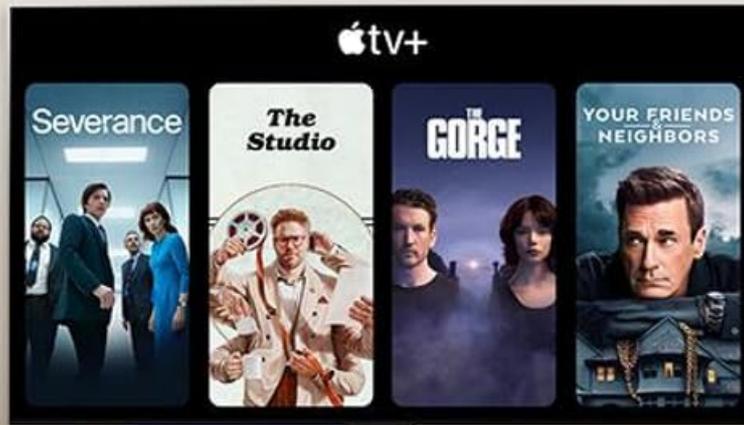
Feature	Specification
Product Dimensions (D x W x H)	10.1 x 48.7 x 30.8 inches
Item Weight	42.9 pounds
Item Model Number	55QNED80TUC
Batteries	2 AA batteries (included)
Standing Screen Display Size	55 Inches
Aspect Ratio	16:9
Wattage	101 watts
Display Technology	LED (QNED)
Resolution	4K
Refresh Rate	60 Hz
Special Features	Built-In Speaker, Flat, Game Mode, Local Dimming, Multiple Voice Assistance
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Date First Available	April 8, 2024



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LG SMART TV  | 



*Offer ends 7/31/2025. Offer available on 2018-2025 LG 4K, 8K Smart TV models, StanbyME, StanbyME GO, StanbyME 2 models in the Apple TV app. Valid only for new and qualified returning subscribers to Apple TV+ in your region. Plan automatically renews at your region's price per month until cancelled. Terms apply.

[Learn More](#)

Figure 10.1: Energy Guide Label.

11. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official LG website. You can also find additional support resources and contact information in the E-Manual accessible through your TV's webOS interface.