

Samsung QN85QN80FAFXZA

Samsung 85-Inch Neo QLED 4K QN80F Series Smart TV User Manual

Model: QN85QN80FAFXZA

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Samsung 85-Inch Neo QLED 4K QN80F Series Smart TV. Please read these instructions thoroughly before operating your television and retain them for future reference.



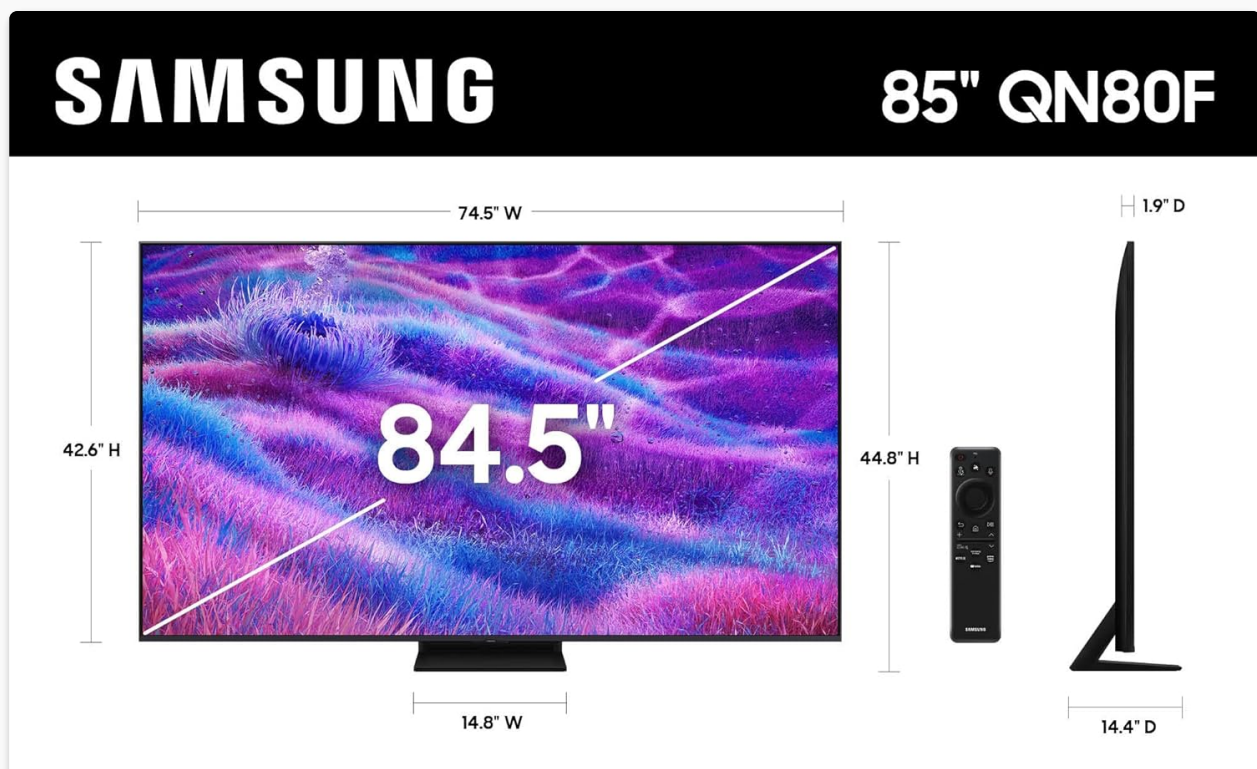
Figure 1.1: Front view of the Samsung 85-Inch Neo QLED 4K QN80F Series Smart TV.

2. SETUP

2.1 Unboxing and Package Contents

Carefully remove all components from the packaging. Ensure all items listed below are present. If any items are missing or damaged, contact your retailer.

- Samsung 85-Inch Neo QLED 4K QN80F Series Smart TV
- Power Cable
- Remote Control
- Stand Components
- User Manual (this document)



Dimensions:

(INCHES W x H x D):

- TV Without Stand: 74.5 x 42.6 x 1.9
- TV With Stand: 74.5 x 44.8 x 14.4
- Stand Footprint: 14.8 x 10.5 x 14.4

What's in the box:



TV



User Manual



SolarCell™ Remote
TM2560E



Power Cable

Features and specifications subject to change.

Figure 2.1: TV dimensions and included accessories, including the TV, User Manual, SolarCell™ Remote, and Power Cable.

2.2 Physical Installation

The TV can be installed on its included stand or mounted on a wall (wall mount sold separately). Refer to the separate wall mount instructions if applicable.

Stand Installation:

1. Place the TV screen-down on a soft, flat surface to prevent damage.
2. Attach the stand components to the designated slots on the TV back panel using the provided screws. Ensure the stand is securely fastened.
3. Carefully lift the TV and place it on a stable, level surface.

Dimensions (with stand): 74.5" W x 44.8" H x 14.4" D

2.3 Connecting External Devices

Connect your external devices (e.g., cable box, Blu-ray player, gaming console) to the appropriate ports on the back of the TV.



Figure 2.2: Rear panel connections for the Samsung QN80F TV.

- **HDMI Ports (1, 2, 3 eARC, 4):** Connect high-definition devices. HDMI 3 supports eARC for enhanced audio return. HDMI 4 supports 4K@144Hz for gaming.

- **USB Ports (5V 0.5A, 5V 1A):** For power or media playback from USB storage devices.
- **Audio Out (Optical):** Connect to soundbars or receivers for high-quality digital audio.
- **Ethernet (LAN):** For wired internet connection.
- **EX-Link:** Samsung service port for external control and diagnostics.
- **Cable/ANT:** Connector for over-the-air antenna or cable TV signals.

2.4 Initial Power On and Setup Wizard

After connecting all devices and the power cable, press the power button on the remote control. The TV will guide you through the initial setup process, including network connection, channel scanning, and smart feature configuration.

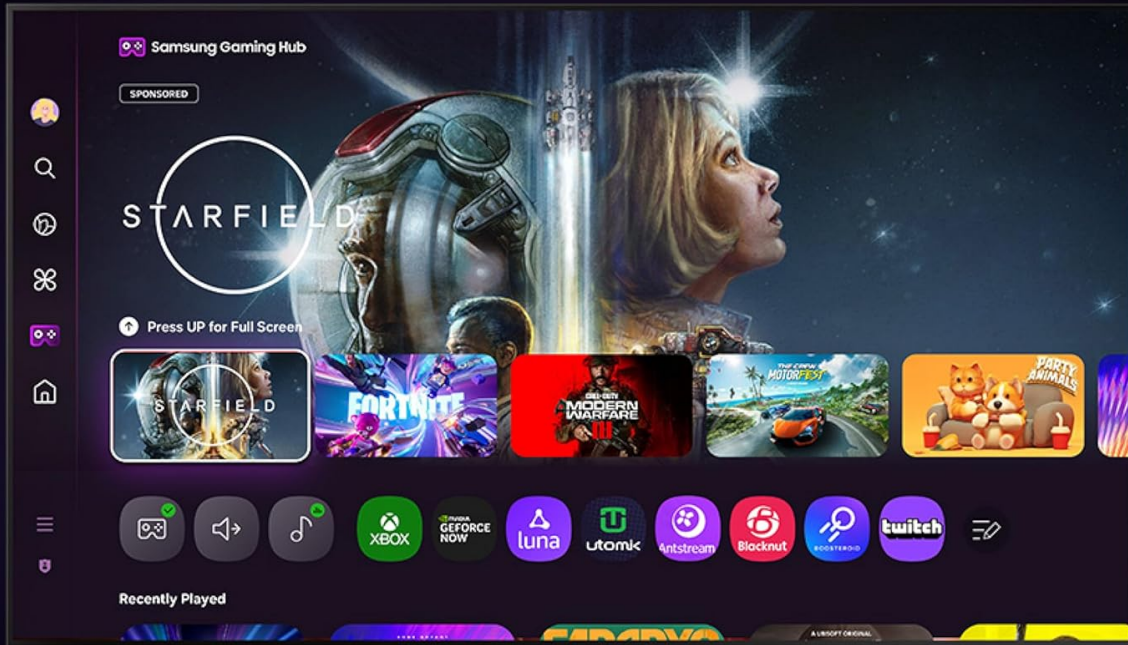
3. OPERATING YOUR TV

3.1 Remote Control Functions

Your Samsung TV comes with a SolarCell™ Remote. Familiarize yourself with its buttons for navigation, volume, channel selection, and accessing smart features.

3.2 Smart Features and Connectivity

The QN80F Series offers a range of smart features for enhanced entertainment.



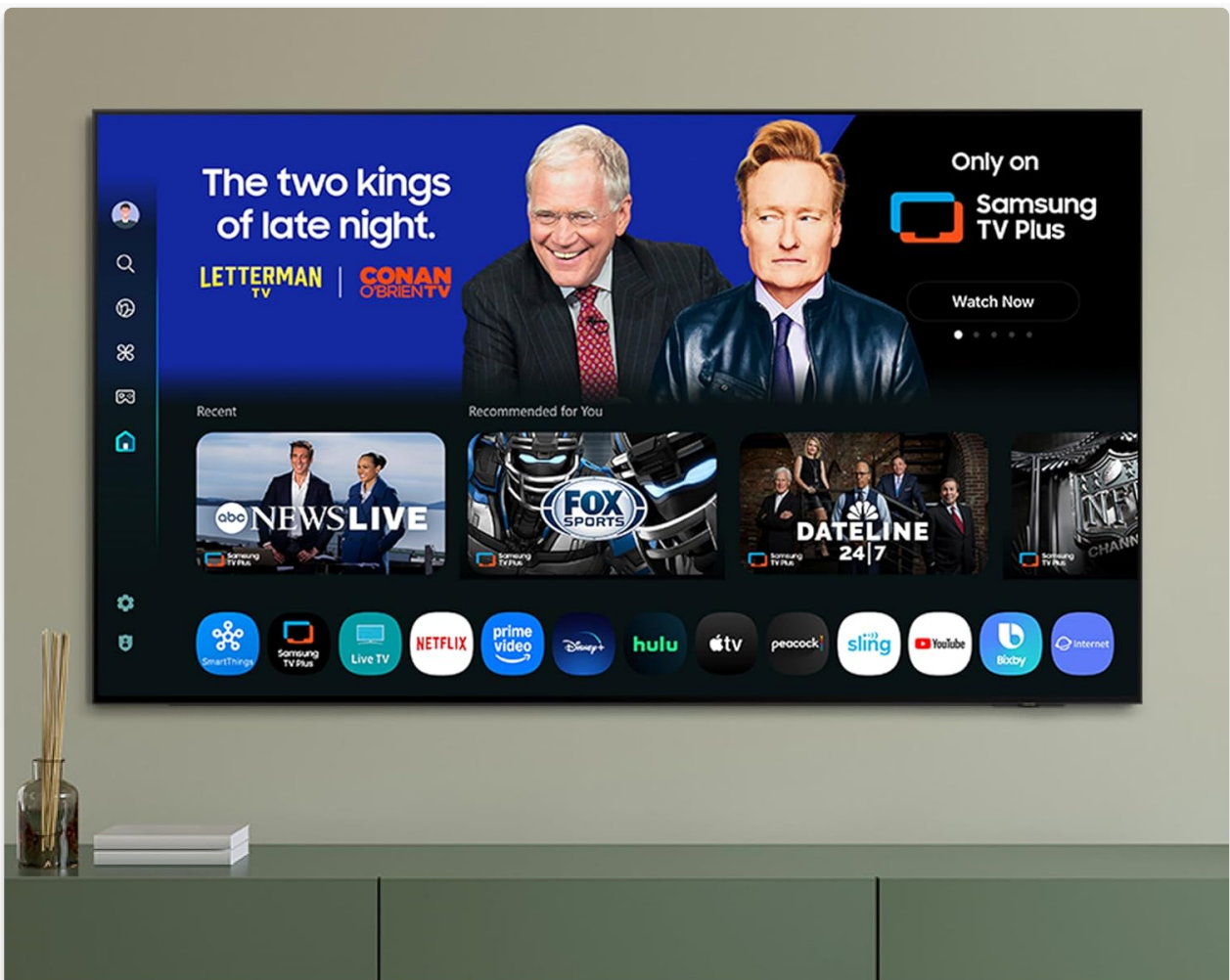
Samsung Gaming Hub

Grab a controller and dive into thousands of games – no console required*

*High speed internet connection, additional gaming service subscriptions and compatible controller required. Samsung Account required for network-based smart services, including streaming apps and other smart features. Separate [connected] computer, mobile or other device may be necessary to create/log in to Samsung Account (free to download and create). Without Account log in, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for TVs with tuners) available.

Figure 3.1: The Samsung Gaming Hub provides access to thousands of games without a console.

- **Samsung Gaming Hub:** Access cloud gaming services directly from your TV.
- **Endless Free Content:** Stream over 2,700 free channels, including 400+ Samsung TV Plus premium channels.
- **Alexa Built-in:** Use voice commands for TV control, information, and smart home integration.
- **SmartThings:** Connect and control compatible smart home devices.



Endless Free Content

Stream 2,700+ free channels including 400+ Samsung TV Plus premium channels*

*Samsung Account required for network-based smart services, including streaming apps and other smart features. Computer, mobile or other device may be necessary to create/log in to Samsung Account (free to download and create). Without Account log in, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for TVs with tuners) available. Channels may vary by location and are subject to change. UI is subject to change without prior notice.

Figure 3.2: Access to endless free content and streaming applications.

3.3 Picture and Sound Optimization

Your TV features advanced technologies for an optimized viewing and listening experience.

SAMSUNG QN80F



KEY FEATURES

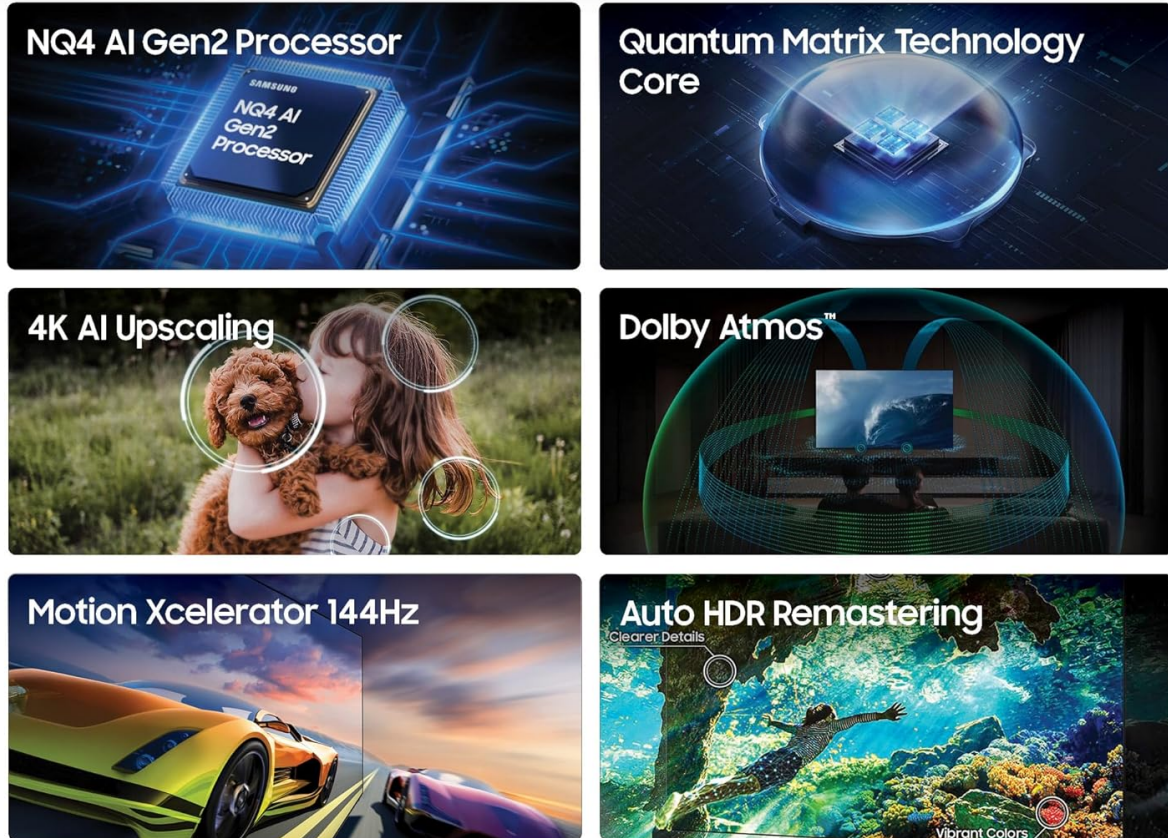


Figure 3.3: Overview of key picture and sound enhancement features.

- **NQ4 AI Gen2 Processor:** Utilizes 20 neural networks for AI-enhanced 4K upscaling and optimized sound.
- **Quantum Matrix Technology Core with Mini LED:** Concentrated Mini LEDs provide increased contrast and brightness.
- **4K AI Upscaling:** Boosts content to captivating 4K resolution.
- **Dolby Atmos:** Delivers theatrical multidimensional sound.
- **Motion Xcelerator 144Hz:** Ensures smooth motion for sports and tear-free gaming (4K 144Hz available with compatible PC games).
- **Auto HDR Remastering:** Transforms SDR content to HDR-like quality with brighter highlights, vibrant colors, and clearer details.
- **Active Voice Amplifier Pro & Adaptive Sound Pro:** Tailors sound to your space and content, amplifying dialogue and balancing audio.

4. MAINTENANCE

4.1 Cleaning Your TV

To maintain picture quality and extend the life of your TV, follow these cleaning guidelines:

- Always unplug the TV before cleaning.
- Use a soft, lint-free cloth to gently wipe the screen and frame.
- For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner. Never spray cleaner directly onto the screen.
- Avoid using abrasive cleaners, waxes, or solvents.

4.2 Software Updates

Regularly check for and install software updates to ensure optimal performance and access to the latest features. Updates can typically be found in the TV's settings menu under 'Support' or 'Software Update'.

5. TROUBLESHOOTING

If you encounter issues with your TV, consult the following common troubleshooting steps before contacting support.

Problem	Possible Solution
No power	Ensure the power cable is securely connected to both the TV and a working electrical outlet. Test the outlet with another device.
No picture, but sound is present	Check the input source. Ensure external devices are powered on and connected correctly. Try a different HDMI cable.
No sound, but picture is present	Check the volume level and mute status. Verify audio output settings (e.g., TV speakers, external sound system). Ensure audio cables are connected properly.
Remote control not working	Ensure there are no obstructions between the remote and the TV. Recharge the SolarCell™ Remote or replace batteries if applicable. Re-pair the remote if necessary.
Network connection issues	Check your router/modem. Restart the TV and your network equipment. Re-enter Wi-Fi password or try a wired Ethernet connection.
Apps not loading or performing slowly	Check your internet connection speed. Close and restart the app. Clear the app's cache or reinstall it. Ensure TV software is up to date.

6. SPECIFICATIONS

Feature	Detail
Brand	Samsung
Model Number	QN85QN80FAFXZA

Feature	Detail
Screen Size	85 Inches
Display Technology	QLED
Resolution	4K (3840 x 2160)
Refresh Rate	120 Hz (up to 144Hz for VRR gaming)
Processor	NQ4 AI Gen2 Processor
Special Features	Built-In Speaker, Game Mode, Vision AI, Mini LED, Neo Quantum HDR, Object Tracking Sound Lite, Dolby Atmos, Alexa Built-in
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Product Dimensions (with stand)	14.4"D x 74.5"W x 44.8"H
Item Weight	93 Pounds
Color Name	Titan Black
On-mode power consumption	314 watts
Visible screen diagonal	85" / 216 cm

7. WARRANTY AND SUPPORT

7.1 Product Warranty

For detailed information regarding your product's warranty, please refer to the warranty card included with your purchase or visit the official Samsung support website. Warranty terms and conditions may vary by region and retailer.

7.2 Customer Support

If you require further assistance or have questions not covered in this manual, please contact Samsung Customer Support:

- **Online Support:** Visit the official Samsung website for FAQs, troubleshooting guides, and software downloads.
- **Phone Support:** Refer to your product documentation or the Samsung website for regional contact numbers.

