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› Samsung 75-Inch QN90D Series QLED 4K Smart TV (QN75QN90D) User Manual

## Samsung QN75QN90D

# Samsung 75-Inch QN90D Series QLED 4K Smart TV (QN75QN90D) User Manual

Model: QN75QN90D

## INTRODUCTION

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This manual provides comprehensive instructions for the Samsung 75-Inch QN90D Series QLED 4K Smart TV (Model QN75QN90D). It covers essential information for setting up, operating, maintaining, and troubleshooting your television. Please read this manual thoroughly to ensure safe and optimal use of your product.

The Samsung QN90D Series TV features advanced display technologies such as Quantum Matrix with Mini LEDs, Neo Quantum HDR+, and Real Depth Enhancer Pro for exceptional picture quality. It also includes Dolby Atmos and Object Tracking Sound+ for immersive audio, and Motion Xcelerator 144Hz for smooth motion, ideal for gaming. The integrated NQ4 AI Gen2 Processor enhances content to 4K resolution and powers the intuitive Tizen operating system.

## WHAT'S IN THE BOX

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Before proceeding with the setup, please ensure all components listed below are present in the packaging.

- Samsung 75-Inch QN90D Series QLED 4K Smart TV (Model QN75QN90D)
- Power Cable
- Remote Control
- User Manual (this document)



**Figure 1:** The Samsung 75-Inch QN90D Series QLED 4K Smart TV, shown with its stand and remote control. This image illustrates the main product and typical accessories found in the box.

## SETUP

### 1. Physical Installation

Your Samsung QN90D TV can be placed on a stand or wall-mounted.

- **Stand Installation:** Follow the instructions provided with the TV stand (sold separately or included depending on package) to securely attach it to the television. Ensure the TV is placed on a stable, level surface.
- **Wall Mounting:** If wall-mounting, use a VESA-compliant wall mount kit (200 x 200 mm standard) that is appropriate for the TV's weight and size. Consult a professional for wall mounting to ensure safety and proper installation.

### 2. Connecting External Devices

Connect your external devices such as Blu-ray players, game consoles, or sound systems to the TV using the appropriate ports.

- **HDMI:** The TV features 4 HDMI ports. Use HDMI cables to connect devices like set-top boxes, game consoles, or media players.
- **USB:** Two USB ports are available for connecting USB storage devices for media playback.
- **Ethernet:** For a stable wired internet connection, connect an Ethernet cable to the LAN port.
- **Antenna/Cable:** Connect an antenna or cable TV feed to the appropriate input for over-the-air or cable channels.

### 3. Power Connection

Once all devices are connected, plug the power cable into the TV's power input and then into a wall outlet.

### 4. Initial Setup Wizard

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

- Language selection.
- Network connection (Wi-Fi or Ethernet).
- Channel scanning.
- Samsung Account login (required for smart services and apps).

## OPERATING THE TV

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### 1. Remote Control

Use the included remote control to navigate the TV's menus and functions. Familiarize yourself with the buttons for power, volume, channel, source selection, and smart hub access. The TV also supports control via a mobile app or voice commands.

### 2. Smart TV Features (Tizen OS)

Your Samsung QN90D TV runs on the Tizen operating system, providing access to a wide range of smart features and applications.

- **Smart Hub:** Access streaming services like Netflix, Hulu, and Amazon Prime Video, as well as other apps and connected devices.
- **Voice Control:** Utilize voice commands through the remote or integrated voice assistants for hands-free operation.
- **Connectivity:** Seamlessly connect to other devices via Bluetooth and Wi-Fi for screen mirroring or audio streaming.

### 3. Picture Settings

Optimize your viewing experience by adjusting picture settings.

- **Picture Mode:** Select from various preset modes (e.g., Standard, Dynamic, Movie, Filmmaker Mode) or customize settings like brightness, contrast, sharpness, and color.
- **Neo Quantum HDR+:** This technology delivers enhanced contrast, brightness, and vivid colors for HDR content. Ensure your content source supports HDR for the best experience.
- **Quantum Matrix with Mini LEDs:** Provides precise lighting control for deep blacks and bright highlights.
- **Real Depth Enhancer Pro:** Analyzes and enhances the depth of objects on screen for a more immersive 3D-like effect.
- **4K AI Upscaling:** The NQ4 AI Gen2 Processor automatically upscales lower-resolution content to near-4K quality.

### 4. Sound Settings

Adjust audio settings to suit your preferences.

- **Sound Mode:** Choose from preset sound modes (e.g., Standard, Adaptive Sound, Amplify) or customize equalizer settings.
- **Dolby Atmos:** Experience immersive, multi-dimensional audio with compatible content.
- **Object Tracking Sound+:** Sound moves dynamically with objects on screen, creating a more realistic audio experience.
- **Built-In Speaker:** The TV features a 5.1 channel built-in speaker system.

## 5. Gaming Features

For gamers, the QN90D offers features designed to enhance the gaming experience.

- **Motion Xcelerator 144Hz:** Provides ultra-smooth motion and reduced input lag for compatible gaming content, supporting up to 144Hz refresh rate.
- **Game Mode:** Automatically optimizes picture and sound settings for gaming.

## MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your TV.

- **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-cleaning solution specifically designed for electronics. Do not spray liquid directly onto the screen.
- **Cleaning the Frame:** Use a soft, dry cloth to wipe the TV frame and stand.
- **Software Updates:** Regularly check for and install software updates to ensure your TV has the latest features and security enhancements. This can usually be done through the TV's settings menu under "Support" or "Software Update."
- **Ventilation:** Ensure adequate ventilation around the TV to prevent overheating. Do not block the ventilation openings.

## TROUBLESHOOTING

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

- **No Power:** Ensure 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 is working.
- **No Picture/Sound:** Check that the correct input source is selected. Verify all HDMI or other input cables are securely connected. Restart connected devices.
- **Remote Control Not Working:** Check the batteries in the remote control. Ensure there are no obstructions between the remote and the TV's sensor.
- **Network Connection Issues:** For Wi-Fi, ensure your router is on and functioning. Try restarting your router and the TV. For wired connections, check the Ethernet cable.
- **Picture Quality Issues:** Adjust picture settings (brightness, contrast, sharpness). Ensure the content source is of high quality. Perform a picture test from the TV's support menu.
- **Sound Quality Issues:** Check volume levels on both the TV and any connected audio systems. Ensure sound mode settings are appropriate. Perform a sound test from the TV's support menu.

For more detailed troubleshooting or persistent issues, consult the online support resources on the Samsung website or contact customer support.

## SPECIFICATIONS

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Below are the technical specifications for the Samsung 75-Inch QN90D Series QLED 4K Smart TV (Model QN75QN90D).

Feature	Specification
Model Name	QN75QN90D
Screen Size	75 Inches
Display Technology	QLED
Resolution	4K (3840 x 2160)
Refresh Rate	120Hz (Motion Xcelerator 144Hz)
Display Backlight Technology	Mini-LED (Quantum Matrix)
HDR Format Supported	Neo Quantum HDR+
Processor	NQ4 AI Gen2 Processor
Operating System	Tizen
Integrated Surround Sound Format	Dolby Atmos
Number of Audio Channels	5.1
Total Number of HDMI Ports	4
Total USB Ports	2
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Control Method	App, Remote, Voice
VESA Mount Standard	200 x 200 mm
Product Dimensions (D x W x H)	11.9"D x 65.7"W x 40"H
Model Year	2024
UPC	645716062951

## WARRANTY AND SUPPORT

Your Samsung 75-Inch QN90D Series QLED 4K Smart TV (Model QN75QN90D) comes with a comprehensive warranty and access to customer support.

- **Warranty:** This product includes an extended warranty, totaling 2 years from the date of purchase. This covers manufacturing defects and ensures peace of mind.
- **Manufacturer:** SAMSUNG
- **Customer Support:** For technical assistance, warranty claims, or service requests, please visit the official Samsung support website or contact Samsung customer service directly. Keep your purchase receipt and product serial number handy when contacting support.