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Samsung QN75QN900CFXZA

Samsung 75-Inch Class Neo QLED 8K QN900C Series Smart TV User Manual

Model: QN75QN900CFXZA

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1. SETUP

1.1. What's in the Box & Dimensions

Before beginning installation, ensure all components are present and review the product dimensions for proper placement.

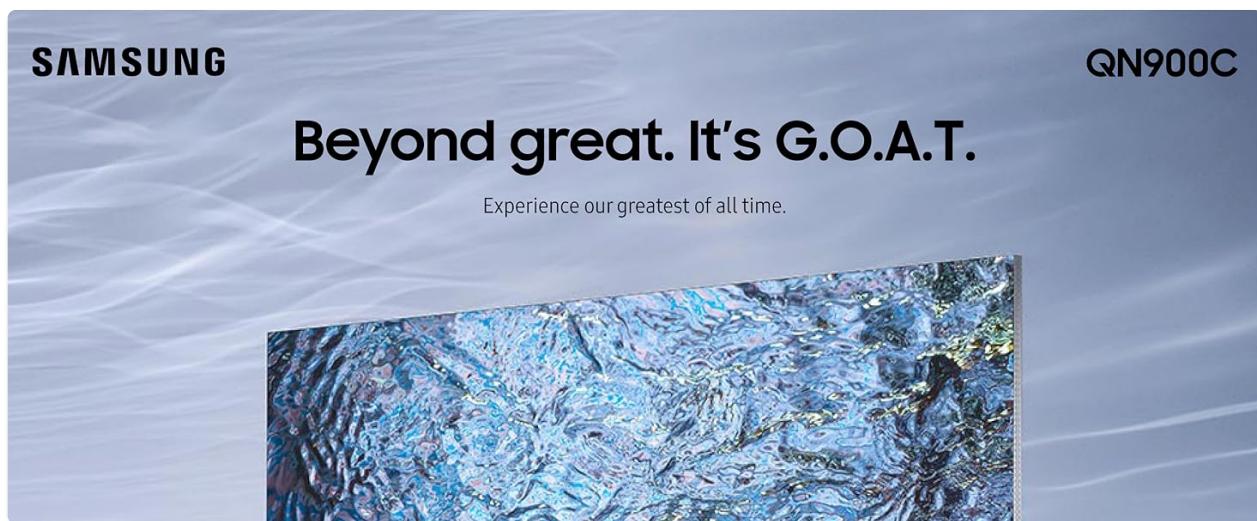


Image Description: This diagram illustrates the Samsung 75-inch QN900C Neo QLED 8K TV. It highlights the TV's physical dimensions: 65.1" W x 37.2" H x 0.6" D (without stand) and 65.1" W x 40" H x 11.3" D (with stand). The stand footprint is 14.2" x 11.7" x 11.3". The image also lists the contents of the box: TV, One Connect Box, One Connect Cables (0.3m, 2.5m in length), Power Cable, User Manual, and SolarCell remote™ TM2360E.

1.2. Connecting the Slim One Connect Box

The Slim One Connect Box centralizes all your connections, simplifying cable management. Connect all external devices to this box, then connect the box to the TV using the provided One Connect Cable.



Rethink what you thought

Witness an extraordinary range of contrast, brought to life in stunning and accurate color detail, no matter what you're watching. The yellow brick road never looked so good. Plus, see the latest Hollywood releases in the best possible light with Samsung's newest feature: Auto HDR Remastering optimizes standard content to elevate every viewing experience.

Image Description: This image shows the rear panel of the Slim One Connect Box, detailing its various input and output ports. These include a LAN port for wired internet, an Optical audio output, an ANT IN port for antenna connection, an EX-LINK port, multiple USB ports (5V/0.5A), four HDMI ports (HDMI 3 is eARC/ARC compatible), and the dedicated One Connect port for connecting to the TV.

1.3. Recommended Viewing Distance

For an optimal viewing experience, position your TV at a recommended distance from your seating area. This distance is calculated based on the screen size to ensure comfortable viewing of 8K content.

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Video Description: This video illustrates how to calculate the recommended viewing distance for your Samsung TV. It shows a diagram where the recommended viewing distance is approximately 1.2 times the screen size. For a 75-inch TV, this translates to about 90 inches (2.3 meters or 7.5 feet) for a 40-degree viewing angle.

1.4. Registering Alexa Voice Assistant

Integrate Alexa for hands-free control of your TV. Follow these steps to register your Amazon account with your Samsung TV.

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Video Description: This video provides a step-by-step guide on how to register Alexa on your Samsung TV. It demonstrates selecting Amazon Alexa as the voice assistant during initial TV setup or by opening the Alexa app from the TV's navigation bar. Users are then guided to connect their Amazon account by scanning a QR code or entering a 6-digit code on amazon.com/us/code, followed by enabling Alexa Hands-Free functionality.

2. OPERATING THE TV

2.1. Picture Quality Enhancements

The Samsung QN900C features advanced technologies to deliver exceptional 8K picture quality.

- **Quantum Matrix Pro with Mini LEDs:** This technology uses a dense array of tiny Quantum Mini LEDs to create precise light control, resulting in deep blacks and brilliant highlights.

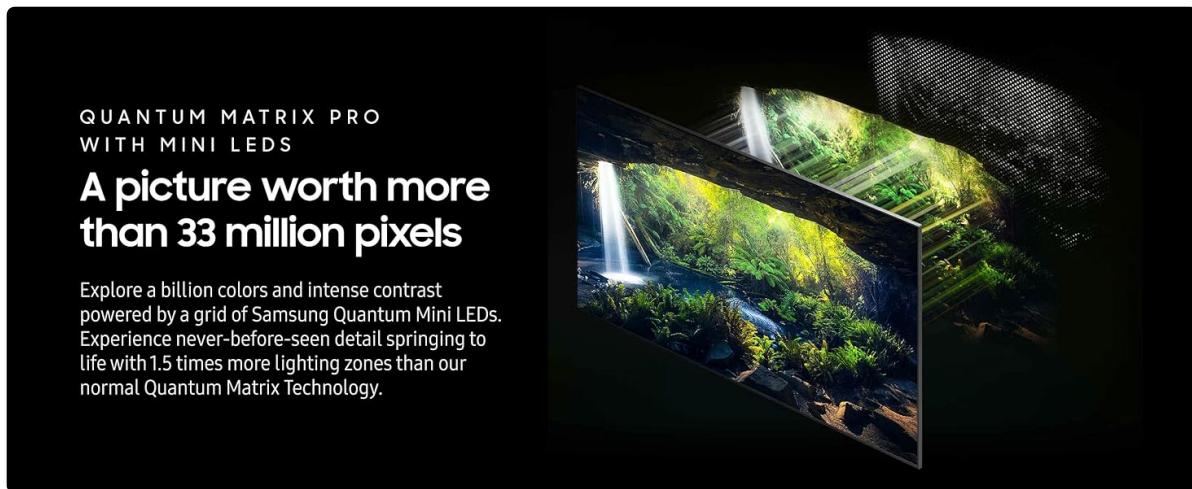


Image Description: This image visually represents the Quantum Matrix Pro technology. It shows a split view of a lush green landscape with a waterfall, emphasizing the detail and contrast achieved by the 33 million pixels and Quantum Mini LEDs. The technology allows for 1.5 times more lighting zones compared to standard Quantum Matrix Technology.

- **Neural Quantum Processor 8K:** This intelligent processor utilizes AI-based formulas and 64 AI networks to upscale content to 8K resolution, enhancing detail, depth, and texture.

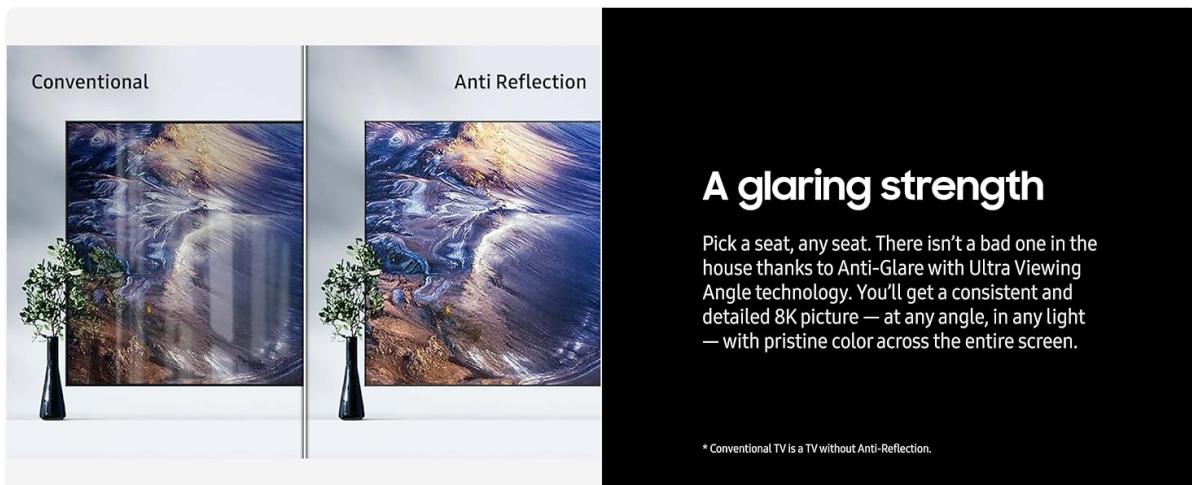


Image Description: This image features a tennis player in action on a court, with a graphic overlay of the "Neural Quantum Processor 8K" chip. The text emphasizes that this processor enhances detail, depth, shading, and textures for a theater-like experience, also improving audio and overall TV performance. It notes that AI-based formulas are used to upscale to 8K resolution, with results varying based on source content.

- **Neo Quantum HDR 8K Pro:** Experience a wide range of contrast and accurate color detail, validated by Pantone, for a lifelike viewing experience.
- **Anti-Glare with Ultra Viewing Angle:** This feature minimizes reflections and maintains consistent picture quality from various viewing positions.
- **Motion Xcelerator Turbo Pro:** Ensures smooth motion for fast-paced content, supporting up to 120Hz for 4K visuals and 144Hz for compatible PC-connected content.

2.2. Audio Features

Immerse yourself in dynamic and realistic sound with the TV's advanced audio capabilities.

- **Dolby Atmos & Object Tracking Sound Pro:** Enjoy three-dimensional audio that tracks on-screen

action with precision.

NEURAL QUANTUM
PROCESSOR 8K

The brains behind the 8K beauty

This brainy tech serves up crisp detail, stunning depth, shading and textures that result in a better-than-theater home theater experience, in addition to enhancing your audio and total TV performance.¹

¹Utilizes AI-Based formulas to upscale to 8K Resolution. Resulting picture may vary based on source content.



Image Description: This image visually represents the "Heart-pounding sound" feature, specifically Object Tracking Sound Pro. It shows sound waves originating from different points on the TV screen, following the movement of an object (like a helicopter) to create a dynamic 3D audio experience. The text explains that dramatic 3D audio fills the room as AI Sound tracks the action on screen with pinpoint accuracy.

- **Q-Symphony 3.0:** When paired with compatible Samsung Q-Series and S-Series soundbars, the TV speakers and soundbar operate together to optimize all audio channels for a harmonized sound experience.

2.3. Smart Features & Gaming

Access a world of entertainment and gaming directly from your TV.

- **Samsung Gaming Hub:** A centralized platform for console games, streaming games, and accessories.



Image Description: This image displays the Samsung Gaming Hub interface on the TV screen. It shows a selection of game titles and streaming services, emphasizing that the Gaming Hub brings together console games, streaming games, and more in one place. It also notes that a high-speed internet connection, additional gaming service subscriptions, and a compatible controller are required.

- **Voice Control (Alexa Built-in):** Use voice commands to open apps, change channels, search for content, and control smart home devices.

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Video Description: This video demonstrates how to use Alexa to find content on your Samsung TV. It shows examples of voice commands such as "Alexa, go to channel 10" and "Alexa, open Prime Video." The video highlights Alexa's ability to open apps, change channels, and search for content by title, actor, or genre, making content discovery easier.

3. MAINTENANCE

3.1. Cleaning the Screen

To clean the screen, gently wipe it with a soft, dry microfiber cloth. Avoid using harsh chemicals, abrasive materials, or excessive pressure, as these can damage the display. For stubborn smudges, lightly dampen the cloth with distilled water.

3.2. Software Updates

Regularly check for and install software updates to ensure optimal performance, security, and access to the latest features. You can usually find this option in the TV's settings menu under "Support" or "Software Update."

4. TROUBLESHOOTING

4.1. No Power / Screen Not Turning On

- Ensure the power cable is securely connected to both the TV and a working power outlet.
- Check if the power outlet is functional by plugging in another device.
- Verify that the One Connect Cable is properly connected between the TV and the Slim One Connect Box.
- Try pressing the power button on the TV itself, not just the remote.

4.2. No Picture or Distorted Image

- Check all HDMI and other input cables connected to the Slim One Connect Box for secure connections.
- Ensure the correct input source is selected on the TV.
- If using an external device, try connecting it to a different HDMI port or using a different cable.
- Restart the TV and any connected devices.

4.3. No Sound or Distorted Sound

- Check the TV's volume level and ensure it is not muted.
- If using external audio devices (soundbar, receiver), ensure they are powered on and correctly connected.
- Verify the audio output settings on the TV (e.g., HDMI eARC, Optical).
- Perform a sound test through the TV's settings menu.

4.4. Remote Control Issues

- Ensure the SolarCell remote is charged (expose to light or charge via USB-C).
- Point the remote directly at the TV's remote sensor.

- If the remote is paired via Bluetooth, try re-pairing it according to the TV's on-screen instructions.

5. SPECIFICATIONS

Feature	Detail
Brand	Samsung
Model Number	QN75QN900CFXZA
Screen Size (Diagonal)	74.5 Inches (75-Inch Class)
Display Technology	Neo QLED
Resolution	8K (7680 x 4320)
Refresh Rate	120 Hz (up to 144Hz for compatible PC content)
Aspect Ratio	16:9
Product Dimensions (with stand)	11.3"D x 65.1"W x 40"H
Item Weight	94 Pounds
Speaker Type	Built-In
Connectivity Technology	Bluetooth, HDMI, USB, USB-C, Wi-Fi
Included Components	User Manual, E-Manual, Power Cable
Special Features	Flat Screen, Infinity Screen, Neural Quantum Processor 8K, Quantum Matrix Pro with Mini LEDs, Neo Quantum HDR 8K Pro, Dolby Atmos, Object Tracking Sound Pro, Q-Symphony 3.0, Samsung Gaming Hub, Anti-Glare with Ultra Viewing Angle, Motion Xcelerator Turbo Pro, Pantone Validated Color, Alexa Built-in

6. WARRANTY AND SUPPORT

6.1. Customer Support

For technical assistance, product inquiries, or troubleshooting beyond this manual, please contact Samsung Customer Support. Refer to your product packaging or the official Samsung website for the most current contact information.

6.2. Returns Policy

This product is eligible for 30-day easy returns. Please refer to the retailer's specific return policy for detailed terms and conditions.

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