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> SAMSUNG 65-Inch Class QLED 4K Q80C Series Smart TV User Manual

SAMSUNG QN65Q80C

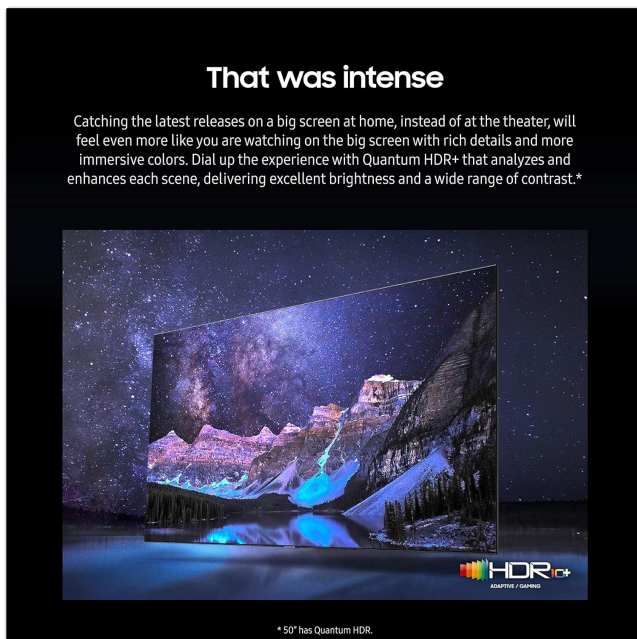
SAMSUNG 65-Inch Class QLED 4K Q80C Series Smart TV User Manual

Model: QN65Q80C

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your SAMSUNG 65-Inch Class QLED 4K Q80C Series Smart TV. This television is designed to deliver an immersive audio/visual experience with advanced features like Direct Full Array, Quantum HDR+, Dolby Atmos, and a powerful Quantum Processor for vivid 4K resolution. Please read this manual thoroughly to ensure proper use and to maximize your viewing experience.

2. WHAT'S IN THE BOX



Upon unboxing your new Samsung QLED TV, please verify that all the following components are included:

- SAMSUNG 65-Inch Class QLED 4K Q80C Series Smart TV
- Power Cable

- User Manual (this document)
- SolarCell Remote (Model: TM2360E)
- TV Stand Components

Image description: A visual representation of the television's dimensions and a list of items typically found inside the product packaging, including the TV, power cable, user manual, and SolarCell Remote.

3. PHYSICAL OVERVIEW

Familiarize yourself with the various parts of your television.

Front View

Model:
65" Q80C QLED 4K

Dimensions:

(INCHES W x H x D):

- TV Without Stand: 56.9 x 32.6 x 1.8
- TV With Stand: 56.9 x 35.1 x 11.2
- Stand Footprint: 15.4 x 8.5 x 11.2

Stand height not shown in visual

What's in the box:

- TV
- Power Cable
- User Manual
- SolarCell Remote™ TM2360E

Features and specifications subject to change.

The front of the TV features the expansive QLED display, designed for vibrant colors and deep contrast. The slim bezels maximize screen real estate, providing an immersive viewing experience. The Samsung logo is subtly placed at the bottom center.

Image description: A clear, head-on shot of the Samsung QLED 4K Q80C Series TV, showcasing its large screen and minimal bezel design.

Side View

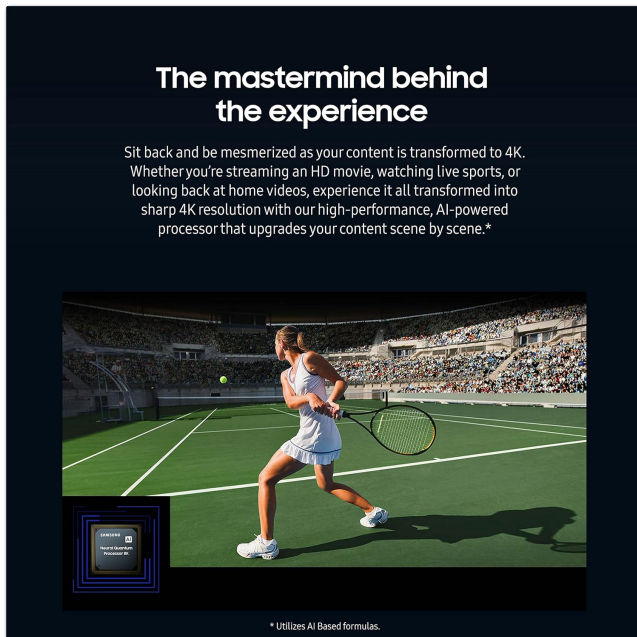
It's lit

See incredible contrast even in sunlit rooms with our Direct Full Array technology that precisely controls the amount of lighting across every part of the picture. When you see, you know. Get caught up in the details as you experience the silver screen in a new way as the picture comes alive from your screen.

From the side, the Q80C Series TV reveals its sleek and thin profile, making it suitable for various mounting options or placement on a stand. The design emphasizes a modern aesthetic.

Image description: A side profile view of the Samsung QLED 4K Q80C Series TV, illustrating its thinness and elegant design.

Rear View and Connectivity



The rear of the TV houses all the necessary input and output ports for connecting external devices. These include:

- Multiple HDMI ports (including eARC for enhanced audio return)
- USB ports (for media playback and power)
- LAN port for wired internet connection
- Antenna/Cable input
- Optical Digital Audio Out

Image description: A detailed shot of the back panel of the Samsung QLED 4K Q80C Series TV, clearly displaying the arrangement of its various connectivity ports such as HDMI, USB, LAN, and antenna inputs.

4. SETUP

4.1 Unpacking and Placement

1. Carefully remove the TV and all components from the packaging. It is recommended to have two people for this process due to the size and weight of the TV.
2. Choose a suitable location for your TV. Ensure it is on a stable, level surface or securely mounted to a wall. Allow adequate ventilation space around the TV.

4.2 Stand Assembly (if applicable)

If you are using the included stand, follow these steps:

1. Place the TV screen-down on a soft, clean cloth to prevent scratches.
2. Attach the stand base to the TV using the provided screws, ensuring it is firmly secured. Refer to the separate stand assembly guide for detailed diagrams.

4.3 Connecting Peripherals

- **Power:** Connect the power cable to the TV's power input and then to a wall outlet.

- **HDMI Devices:** Connect your cable box, Blu-ray player, gaming console, or other HDMI devices to the HDMI ports on the back of the TV. Note the eARC port for soundbars or AV receivers.
- **Internet:** For Smart TV features, connect an Ethernet cable to the LAN port or connect wirelessly during the initial setup.
- **Antenna/Cable:** Connect your antenna or cable TV coaxial cable to the ANT IN port.

4.4 Initial Setup Wizard

Once powered on, the TV will guide you through the initial setup process. This includes:

- Language selection
- Network connection (Wi-Fi or wired)
- Samsung Account login (optional, but recommended for full Smart TV features)
- Channel scanning
- Accepting terms and conditions

5. OPERATING YOUR TV

5.1 Remote Control Functions

The included SolarCell Remote is designed for intuitive control. It features a solar panel for charging, reducing the need for disposable batteries.

- **Power Button:** Turns the TV on or off.
- **Directional Pad:** Navigates menus and selects items.
- **Home Button:** Accesses the Smart Hub.
- **Volume/Channel Buttons:** Adjusts volume and changes channels.
- **Voice Assistant Button:** Activates Alexa or Bixby for voice commands.
- **App Shortcut Buttons:** Quick access to popular streaming services.

5.2 Smart Hub Navigation

The Smart Hub is your central access point for all Smart TV features, including streaming apps, connected devices, and settings.

- Press the **Home** button on your remote to open the Smart Hub.
- Use the directional pad to navigate through the various categories and applications.
- Select an app or function by pressing the **Enter** button.

5.3 Key Features Explained



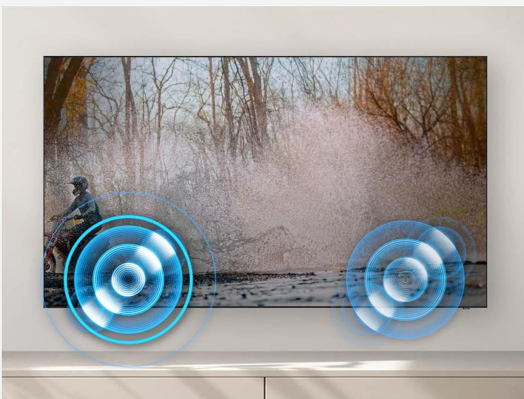
Direct Full Array

Direct Full Array technology precisely controls individual zones of LEDs behind the screen, allowing for ultra-deep blacks and pure whites. This results in exceptional contrast and detail, even in brightly lit rooms.

Image description: A visual representation demonstrating how Direct Full Array technology works, showing precise control over backlighting zones for enhanced contrast.

Sounds like a good time

You'll hear 3D surround sound that follows the movement on screen using our incredible virtual top channel audio—putting you right in the middle of the motorcycle chase.



Neural Quantum Processor with 4K Upscaling

The powerful AI-powered Neural Quantum Processor instantly transforms all your content into sharp 4K resolution. Whether you're streaming, watching live sports, or viewing home videos, the processor analyzes and enhances each scene for optimal picture quality.

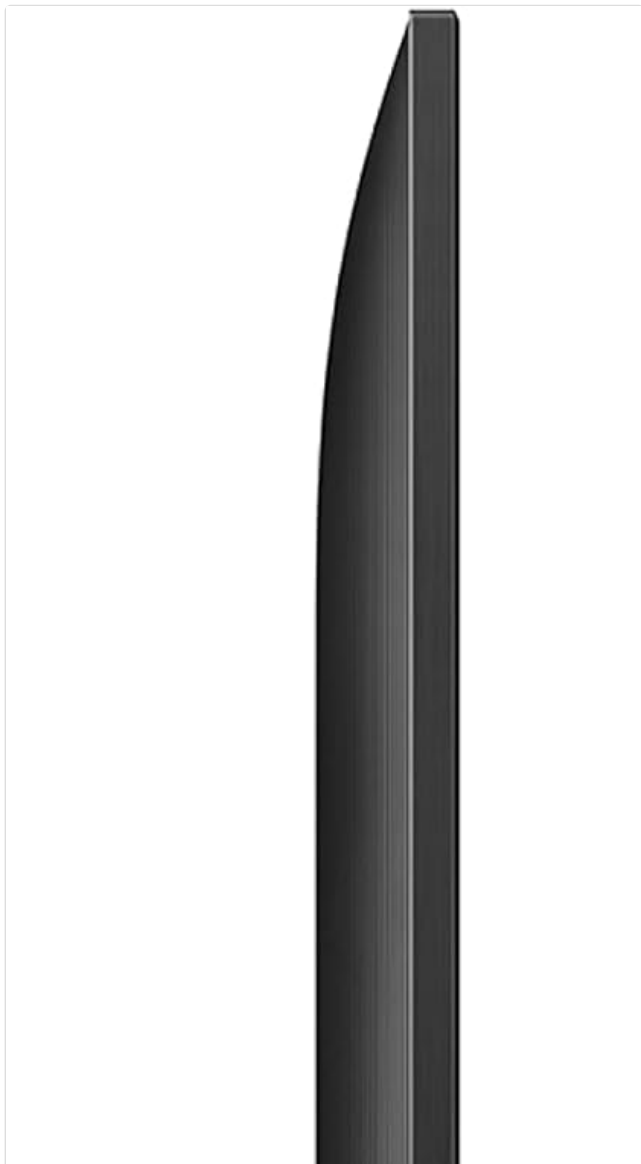
Image description: An image highlighting the Neural Quantum Processor, depicting a tennis match on screen, illustrating how the processor enhances content to 4K resolution.



Quantum HDR+

Experience rich details and more immersive colors with Quantum HDR+. This technology analyzes and enhances each scene, delivering excellent brightness and a wide range of contrast for a truly cinematic viewing experience at home.

Image description: A vibrant image showcasing the effect of Quantum HDR+ on the TV screen, displaying a detailed and colorful landscape scene.





Dolby Atmos & Object Tracking Sound Lite

Immerse yourself in 3D surround sound that moves with the action on screen. Dolby Atmos combined with Object Tracking Sound Lite provides a dynamic audio experience, making you feel like you're right in the middle of the scene.

Image description: An illustration of Dolby Atmos and Object Tracking Sound Lite, showing sound waves originating from the TV screen, following the movement of an object in a scene.

- **Q-Symphony 3.0:** When paired with a compatible Samsung soundbar, Q-Symphony allows your TV speakers and soundbar to operate as one, optimizing all channels for a masterfully orchestrated sound experience.
- **Motion Xcelerator Turbo+ (4K @ 120 Hz):** Enjoy seamless gaming action and sensational 4K visuals at speeds up to 120Hz, ensuring smooth performance without lag or motion blur.
- **Samsung Gaming Hub:** A centralized platform for console games, streaming games, and more. Easily access games, standalone apps, and accessories, get recommendations, and adjust settings.
- **Solar Cell Remote:** An innovative remote control featuring a solar panel for charging, reducing the need for disposable batteries. It also includes a built-in microphone for voice assistant commands.
- **Smart TV with Multiple Voice Assistants:** Enjoy the convenience of Bixby and Alexa built right into your Samsung QLED 4K Smart TV, allowing for voice control of content, settings, and smart home devices.

6. MAINTENANCE

6.1 Cleaning Your TV

- Always unplug the TV before cleaning.

- Use a soft, dry microfiber cloth to gently wipe the screen and frame.
- For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner (ensure it's safe for TV screens) and wipe gently. Never spray liquid directly onto the screen.
- Avoid using abrasive cleaners, waxes, or solvents as they can damage the TV's finish.

6.2 Remote Control Care

- Keep the SolarCell Remote's solar panel exposed to indoor lighting or sunlight for charging.
- If the remote's battery is low, you can also charge it via its USB-C port.
- Wipe the remote with a soft, dry cloth.

7. TROUBLESHOOTING

Before contacting customer support, try these common troubleshooting steps:

Problem	Possible Solution
No Power / TV won't turn on	<p>Ensure the power cable is securely connected to both the TV and a working wall outlet.</p> <p>Try plugging another device into the same outlet to confirm it has power.</p> <p>Press the power button on the TV itself (usually on the back or bottom) to rule out remote issues.</p>
No Picture / Black Screen	<p>Check that the correct input source is selected (e.g., HDMI 1, TV).</p> <p>Ensure all HDMI cables are securely connected to both the TV and the external device.</p> <p>Try a different HDMI cable or port.</p> <p>Restart the connected device (e.g., cable box, gaming console).</p>
No Sound	<p>Check the TV's volume and ensure it's not muted.</p> <p>If using external audio devices (soundbar, receiver), ensure they are powered on and correctly connected.</p> <p>Check the audio output settings on the TV (e.g., TV Speaker, Optical, HDMI eARC).</p>
Remote Control Not Working	<p>Ensure the remote is charged (expose solar panel to light or use USB-C).</p> <p>Point the remote directly at the TV's remote sensor.</p> <p>Remove any obstructions between the remote and the TV.</p> <p>Try re-pairing the remote with the TV (refer to the E-Manual for specific instructions).</p>
Smart TV Features Not Working / No Internet	<p>Check your internet connection (Wi-Fi or wired).</p> <p>Restart your router and modem.</p> <p>Go to TV Settings > General > Network > Network Status to diagnose the connection.</p> <p>Try resetting the Smart Hub (Settings > Support > Device Care > Self Diagnosis > Smart Hub Reset).</p>

8. SPECIFICATIONS

Feature	Detail
Brand	SAMSUNG
Model Number	QN65Q80C (E1SAMQN65Q80CARB)
Screen Size	64.5 Inches (Diagonal)

Feature	Detail
Display Technology	QLED
Resolution	4K (3840 x 2160)
Refresh Rate	120 Hz
Processor	Neural Quantum Processor with 4K Upscaling
HDR Support	Quantum HDR+
Audio Technology	Dolby Atmos, Object Tracking Sound Lite, Q-Symphony 3.0
Connectivity	HDMI, USB, LAN, Wi-Fi, Bluetooth
Voice Assistants	Alexa Built-in, Bixby
Operating System	Tizen Smart TV
Product Dimensions (W x D x H)	56.9" x 11.2" x 35.1" (with stand)
Item Weight	57.5 Pounds
Power Consumption (On-mode)	202 Watts

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your SAMSUNG 65-Inch Class QLED 4K Q80C Series Smart TV comes with a limited manufacturer's warranty. For detailed terms and conditions, including coverage period and exclusions, please refer to the official Warranty document included with your product or available online:

[Official Warranty Document \(PDF\)](#)

9.2 Customer Support

For technical assistance, service inquiries, or additional support, please contact Samsung Customer Service:

- **Online Support:** Visit the official Samsung support website for FAQs, troubleshooting guides, and software downloads.
- **Phone Support:** Refer to your product's packaging or the Samsung website for the appropriate customer service phone number in your region.
- **E-Manual:** An electronic version of this manual with additional interactive features is available directly on your TV via the Smart Hub.

You can also access the full User Manual (PDF) online for comprehensive details:

[Full User Manual \(PDF\)](#)

