Samsung QN70Q60AAVXZA

Samsung 70-Inch QLED Q60A Series 4K UHD Smart TV (QN70Q60AAVXZA) User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation of your Samsung 70-Inch Class QLED Q60A Series 4K UHD Smart TV. Please read these instructions thoroughly before using your TV and retain them for future reference.

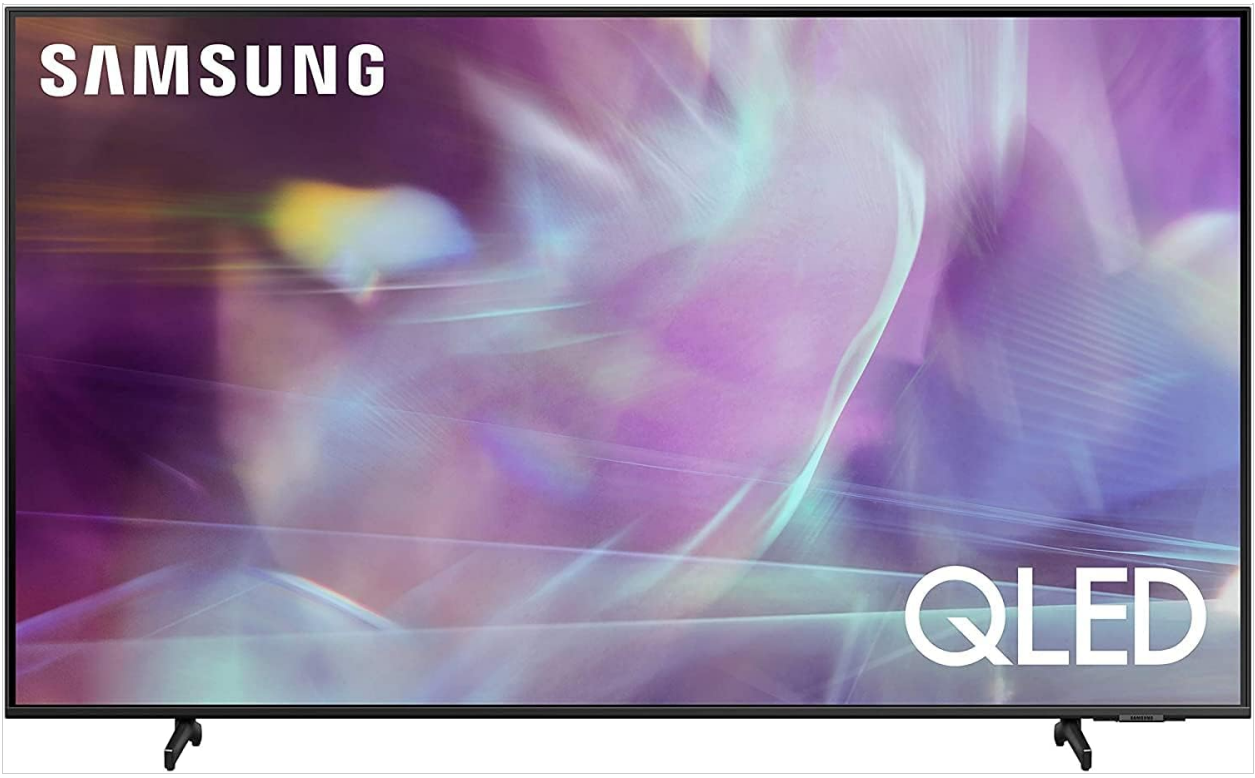


Image 1: Front view of the Samsung 70-Inch QLED Q60A Series 4K UHD Smart TV.

2. Product Overview and Key Features

The Samsung QLED Q60A Series TV offers advanced display technology and smart features for an enhanced viewing experience. Key features include:

- **100% Color Volume with Quantum Dot:** Delivers a billion shades of color for vibrant and lifelike images.
- **Dual LED Backlight:** Dedicated warm and cool LED backlights provide enhanced contrast.
- **Quantum HDR:** Expands the range of color and contrast beyond standard HDTV.
- **AirSlim Design:** Features a sleek and slim profile that integrates seamlessly into any living space.
- **Quantum Processor 4K Lite:** Transforms content into stunning 4K resolution.
- **Alexa Built-in:** Allows voice control for apps, channel changes, searches, music, and smart home devices.

3. What's in the Box

Verify that all components are present:

- Samsung 70-Inch QLED Q60A Series 4K UHD Smart TV
- Power Cable
- Remote Control (TM2180E)
- User Manual (this document)

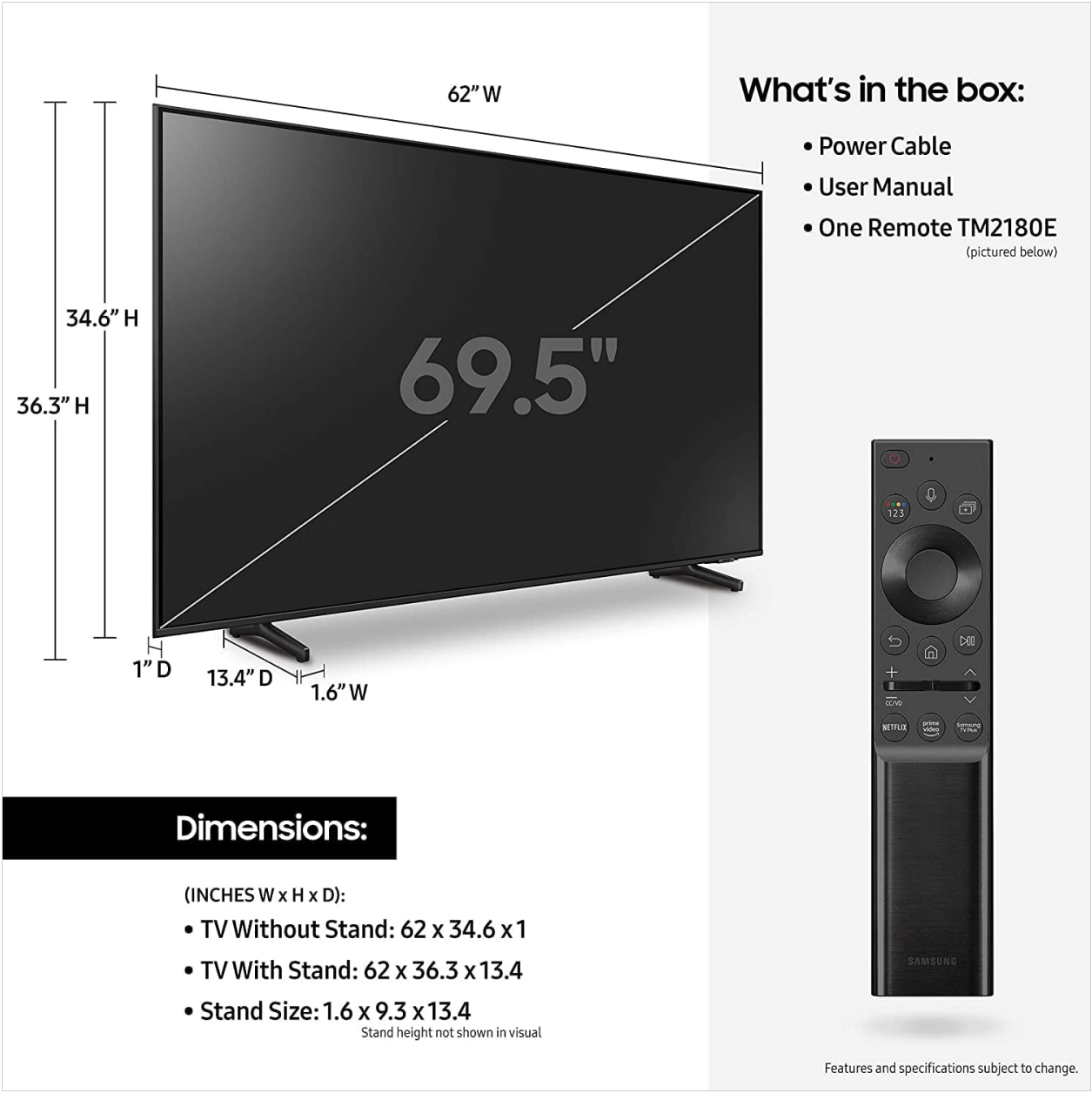


Image 2: Diagram showing the TV dimensions and included accessories: Power Cable, User Manual, and One Remote (TM2180E).

4. Setup

4.1 Physical Installation

Before installation, ensure you have adequate space and support for the 70-inch television. You can either use the included stand or a compatible VESA wall mount (400 x 300 mm, sold separately).

4.2 Connecting Peripherals

Your TV is equipped with multiple ports for various devices:

- **HDMI Ports (x3):** For connecting external devices like Blu-ray players, gaming consoles, or cable boxes.
- **USB Ports (x2):** For connecting USB storage devices.
- **Ethernet (LAN) Port:** For a wired internet connection.
- **Optical Audio Output:** For connecting to a soundbar or audio receiver.
- **Antenna Input:** For connecting an antenna for over-the-air broadcasts.

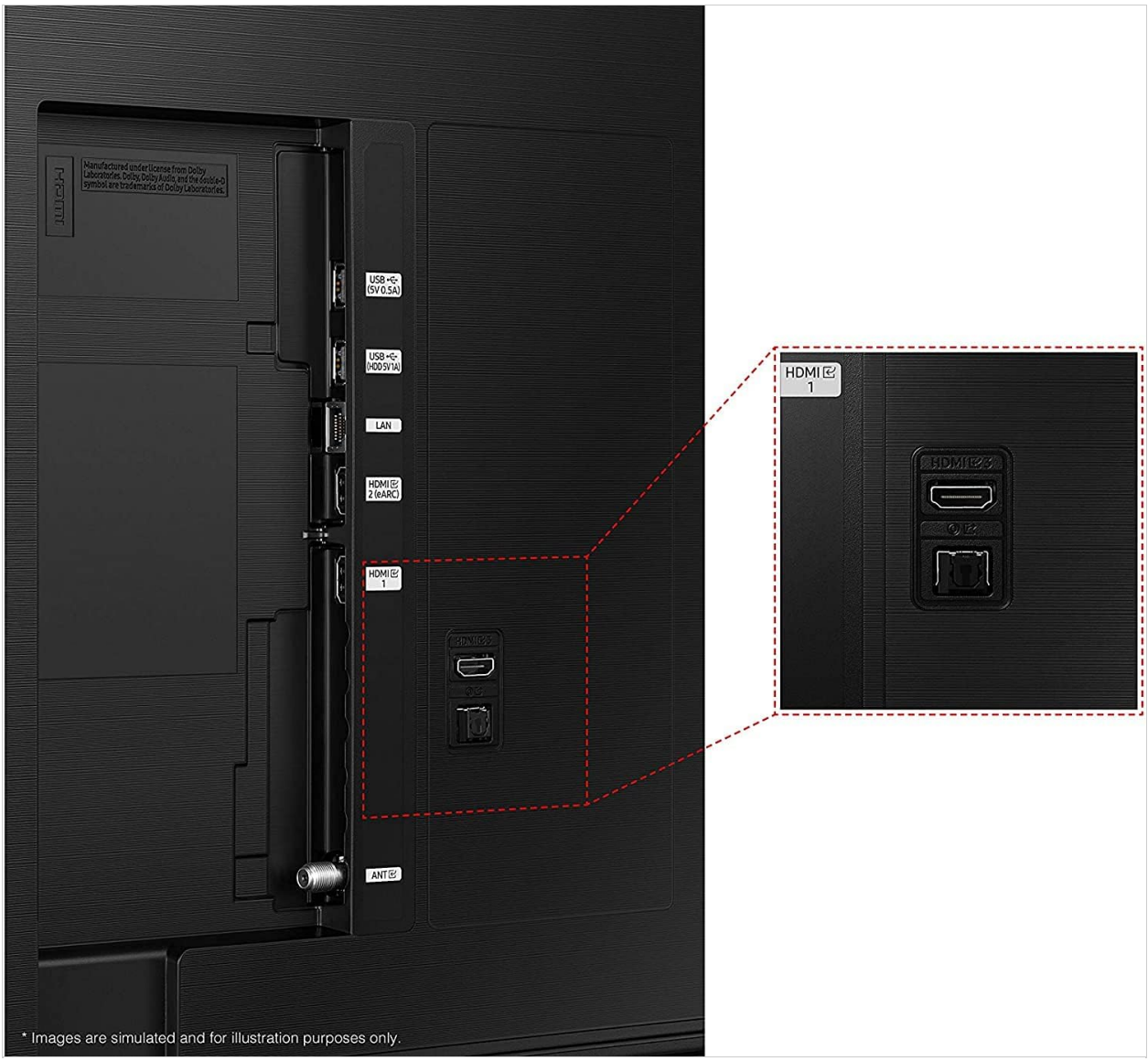


Image 3: Rear view of the Samsung QLED TV highlighting the HDMI, USB, LAN, Optical, and Antenna input ports.

4.3 Initial Power-On and Configuration

After connecting the power cable and any desired peripherals, power on the TV. Follow the on-screen prompts to complete the initial setup, including network connection (Wi-Fi or Ethernet), channel scanning, and Samsung account login.

5. Operating Instructions

5.1 Remote Control Usage

The included remote control (TM2180E) is designed for intuitive navigation. It features dedicated buttons for popular streaming services and voice control functionality. The remote is solar-powered, charging from ambient light.

5.2 Basic Navigation

Use the directional pad and 'Enter' button on the remote to navigate menus and select options. The 'Home' button provides quick access to the Smart Hub, where you can find apps, live TV, and connected devices.

5.3 Voice Control

Press and hold the microphone button on your remote or say "Alexa" (if hands-free is enabled) to activate voice commands. You can ask Alexa to open apps, change channels, search for content, play music, and control compatible smart home devices.

6. Smart Features and Connectivity

The Samsung QLED Q60A Series TV runs on the Tizen operating system, providing a seamless smart TV experience.

6.1 Smart Hub

The Smart Hub is your central access point for all smart features. It organizes your apps, live TV, and connected devices for easy navigation. You can customize the app layout to your preference.

6.2 Wireless Connectivity

- **Wi-Fi:** Connects your TV to your home network for internet access and streaming.
- **Bluetooth:** Allows connection to compatible audio devices like headphones or soundbars.
- **Screen Mirroring (Miracast):** Cast content from your mobile device to the TV.

6.3 Integrated Voice Assistants

In addition to Alexa Built-in, the TV also works with Bixby and Hey Google, offering multiple options for voice interaction and smart home integration.

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Video 1: Official Samsung video showcasing the QLED Q60A Series features, including Smart Hub and voice control.

7. Picture and Sound Quality

Experience superior visual and audio performance with the following technologies:

- **QLED Display:** Quantum Dot technology delivers 100% Color Volume for vivid and accurate colors.
- **4K UHD Resolution:** Provides four times the resolution of Full HD for incredible detail and clarity.
- **Quantum HDR:** Enhances brightness and contrast, revealing fine details in both dark and bright scenes.
- **Dual LED:** Optimizes backlight tone for improved contrast based on content.
- **Quantum Processor 4K Lite:** Upscales lower-resolution content to near 4K quality.
- **Dolby Digital Plus:** Integrated surround sound format for immersive audio.
- **Q-Symphony:** Synchronizes TV speakers with a compatible Samsung soundbar for a richer sound experience.

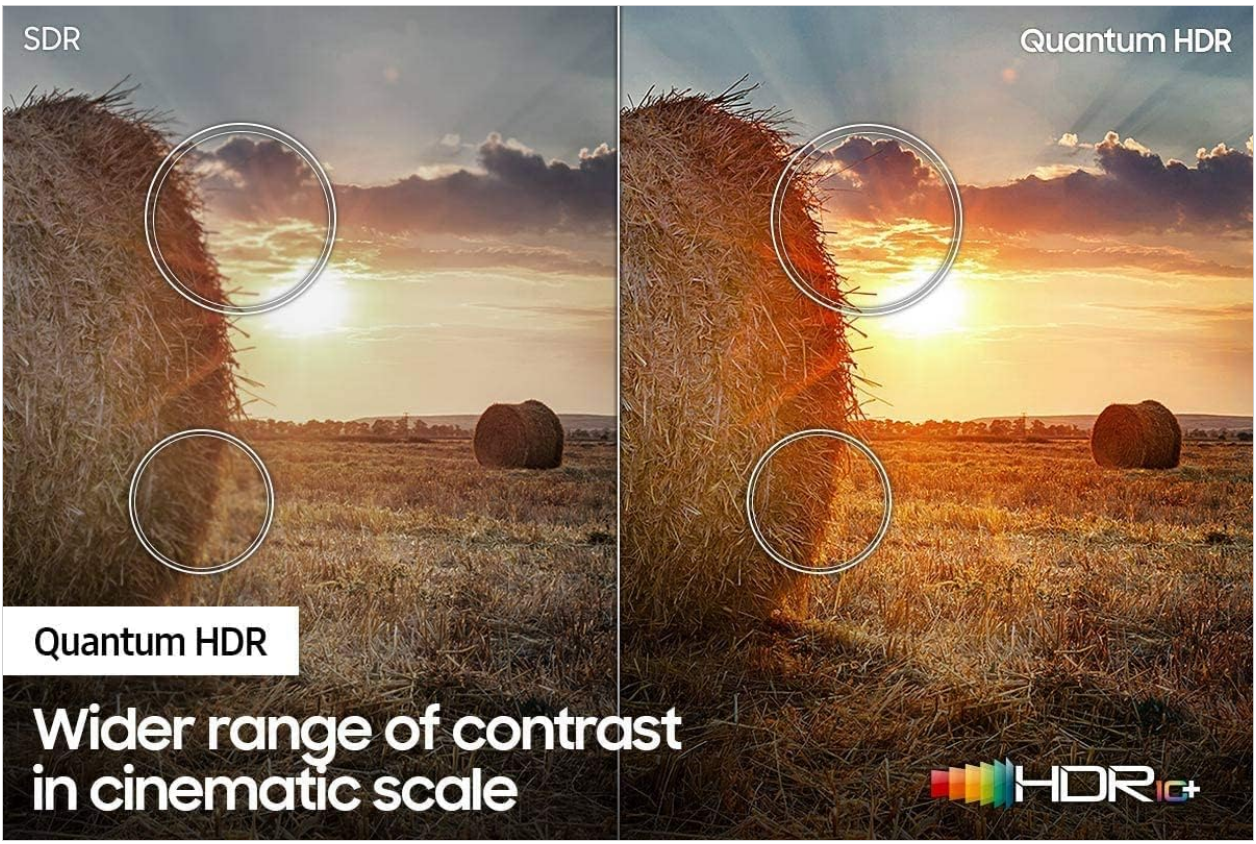


Image 4: Visual comparison demonstrating the wider range of contrast and color provided by Quantum HDR compared to SDR.

8. Maintenance

8.1 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. Avoid harsh chemicals or abrasive materials.

8.2 Software Updates

Ensure your TV's software is up to date for optimal performance and security. You can check for updates via the TV's settings menu (Settings > Support > Software Update).

9. Troubleshooting

If you encounter issues, refer to the following common solutions:

- **No Power:** Check if the power cable is securely connected to both the TV and the outlet. Ensure the outlet is functional.
- **No Picture/Sound:** Verify the correct input source is selected. Check all cable connections (HDMI, antenna, etc.).
- **Remote Not Working:** Ensure the remote is charged (solar panel facing light) and there are no obstructions between the remote and the TV.
- **Network Connection Issues:** Restart your router and modem. Reconnect the TV to your Wi-Fi network or check the Ethernet cable connection.
- **Picture Quality Issues:** Adjust picture settings (brightness, contrast, color) in the TV menu. Ensure the content source is high quality.

For more detailed troubleshooting, consult the full e-Manual accessible through your TV's Smart Hub or Samsung's support website.

10. Specifications

Feature	Detail
Brand	Samsung
Model Number	QN70Q60AAVXZA
Screen Size	70 Inches (69.5 Inches Diagonal)
Display Technology	QLED
Resolution	4K UHD
Refresh Rate	60 Hz
Operating System	Tizen
Connectivity	Wi-Fi, Bluetooth 4.2, Ethernet, HDMI (x3), USB (x2)
Voice Control	Amazon Alexa, Bixby, Hey Google
Audio Output Mode	Surround (Dolby Digital Plus)
Speaker Output Power	20 Watts (2 Channels)
Power Consumption	16.8 Watts (Typical), 210 Watts (Max)
Dimensions (W x D x H)	62" x 13.4" x 36.3" (with stand)
Weight	63.1 Pounds
VESA Mount Standard	400 x 300 mm

11. Warranty and Support

11.1 Manufacturer's Warranty

This Samsung TV comes with a**1 Year Limited Manufacturer's Warranty**. Please refer to the warranty card included in your product packaging for full terms and conditions.

11.2 Customer Support

For further assistance, technical support, or warranty claims, please contact Samsung Customer Service. You can find contact information on the official Samsung website or in your product documentation.