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## SAMSUNG QN42S90DAEXZA

# Samsung QN42S90DAEXZA 42 Inch 4K OLED Smart TV User Manual

Model: QN42S90DAEXZA | Brand: SAMSUNG

## INTRODUCTION

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This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your Samsung QN42S90DAEXZA 42 Inch 4K OLED Smart TV. Please read this manual thoroughly before using your TV to ensure proper and safe operation.

The Samsung QN42S90DAEXZA features cutting-edge OLED technology, delivering pure blacks, bright whites, and Pantone-validated color with amazing detail and brightness. It includes OLED HDR for powerful brightness and rich contrast, Motion Xcelerator 144Hz for smooth gaming, and Real Depth Enhancer for immersive visuals.



Figure 1: Samsung QN42S90DAEXZA 42 Inch 4K OLED Smart TV with included 2-Year Amber Protection Plan packaging.

## SETUP GUIDE

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### 1. Unpacking and Placement

- Carefully remove the TV and all accessories from the packaging.
- Place the TV on a stable, flat surface or mount it on a wall using a compatible VESA 200 x 200 mount (sold separately). Ensure adequate ventilation around the TV.
- Attach the included stand feet to the TV if not wall-mounting. Refer to the quick setup guide for detailed instructions on stand assembly.



Figure 2: The Samsung QN42S90DAEXZA TV positioned on its stand, showcasing its design.

## 2. Connecting Devices

Connect your external devices such as cable boxes, Blu-ray players, gaming consoles, and sound systems to the appropriate ports on the back of the TV.



\* Images are simulated and for illustration purposes only.

Figure 3: Close-up view of the TV's rear panel, highlighting the various input and output ports including HDMI (eARC), USB, LAN, and Antenna connections.

- **HDMI:** The TV features 4 HDMI ports, including one with eARC (Enhanced Audio Return Channel) for connecting soundbars or AV receivers.
- **USB:** Two USB ports are available for connecting external storage devices or other USB peripherals.
- **LAN:** Use the LAN port for a wired internet connection.
- **Antenna:** Connect your antenna or cable TV feed to the ANT port.
- **Optical:** For digital audio output to sound systems without HDMI eARC.

### 3. Power Connection

Plug the power cord into the TV's power input, then plug the other end into a wall outlet. The TV will enter standby mode.

## OPERATING INSTRUCTIONS

### 1. Initial Setup and Smart Features

Upon first power-on, the TV will guide you through the initial setup process, including language selection, network connection (Wi-Fi or wired), and channel scanning. The Samsung Tizen OS provides access to a wide range of smart features:

- **Samsung Smart Hub:** Your central access point for apps, streaming services, and connected devices.

- **Built-in Voice Assistant:** Use voice commands for navigation, content search, and smart home control.
- **Samsung TV Plus:** Free ad-supported TV channels.
- **Multi-View:** Display multiple content sources simultaneously.
- **Samsung Gaming Hub:** Access cloud gaming services directly from your TV.

## 2. Picture and Sound Settings

Optimize your viewing and listening experience through the TV's settings menu.

- **OLED HDR:** This technology enhances brightness and contrast, analyzing each scene to improve image quality.
  - **Real Depth Enhancer:** Mimics how the human eye perceives depth by increasing foreground contrast, adding dimension to content.
  - **Motion Xcelerator 144Hz:** Provides ultra-smooth motion for gaming and fast-paced content, reducing lag and blur. Requires a compatible gaming PC supporting 4K resolution for 144Hz.
  - **Dolby Atmos & Object Tracking Sound Lite:** Delivers immersive, multi-dimensional audio that moves with the action on screen.
  - **Q-Symphony:** Synchronizes the TV's speakers with a compatible Samsung soundbar for a richer, more expansive soundstage.
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# Bold contrast

Enjoy powerful brightness and rich contrast. Your TV analyzes each scene to boost brightness and improve image clarity.\*

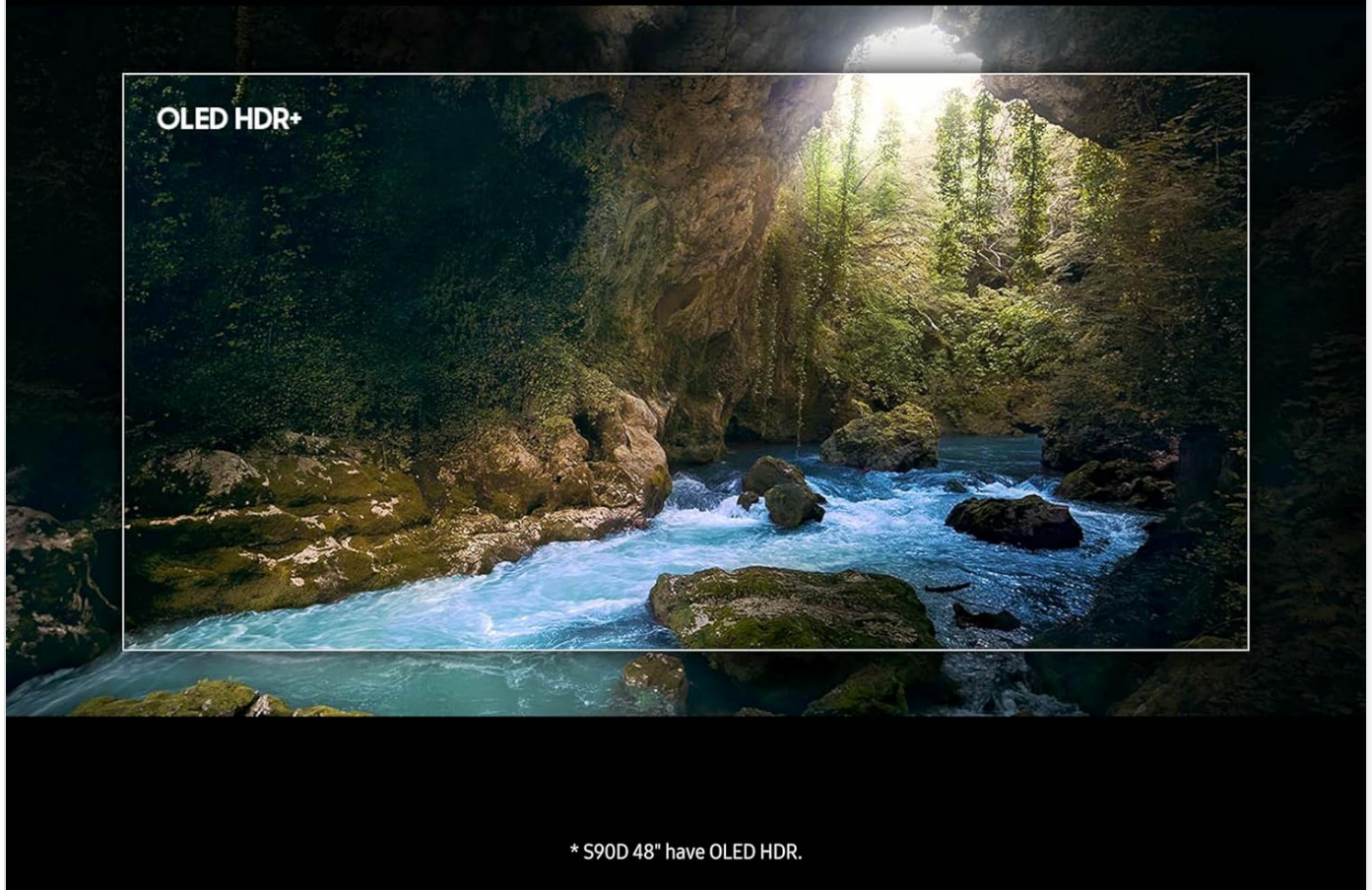


Figure 4: Visual representation of the "Bold contrast" feature, showcasing the enhanced brightness and rich contrast provided by OLED HDR+ technology.

# Peak motion enhancements 144Hz

Play games and content with ultra-smooth motion and virtually no lag or blur. Get uninterrupted action with crisp visuals rendered at top speeds, so you always have a seamless, non-stop picture.\*



\* 144Hz requires compatible content connection from compatible PCs.  
\*\* Motion Xcelerator 144Hz is sometimes called Motion Xcelerator Turbo+.

Figure 5: Illustration of "Peak motion enhancements 144Hz," highlighting the smooth, lag-free experience for gaming and fast-action content.

## MAINTENANCE

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### 1. Screen Cleaning

To maintain optimal display brightness and clarity, regularly clean your TV screen. Use the included Walts HDTV Screen Cleaner Kit for best results.



Figure 6: Walts HDTV Screen Cleaner Kit, designed for safe and effective cleaning of TV screens, monitors, tablets, phones, and glasses.

- Ensure the TV is turned off and unplugged before cleaning.
- Spray the Walts screen cleaning solution onto a clean, soft microfiber cloth (not directly onto the screen).
- Gently wipe the screen to remove dust, dirt, and fingerprints. The non-ammonia and alcohol-free solution cleans without dripping, streaking, or leaving residue.
- Do not use abrasive cloths or harsh chemical cleaners, as these can damage the screen.

## 2. General Care

- Keep the TV away from direct sunlight and heat sources.

- Ensure proper ventilation around the TV to prevent overheating.
- Dust the TV's exterior and vents regularly with a soft, dry cloth.

## TROUBLESHOOTING

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Before contacting service, try the following solutions for common issues:

Problem	Possible Solution
No Power	Check if the power cord is securely plugged into the TV and the wall outlet. Test the outlet with another device.
No Picture / Distorted Picture	Ensure the correct input source is selected. Check HDMI/component cable connections. Try a different cable. Reset TV by unplugging for 1 minute.
No Sound	Check volume level and mute status. Verify audio cable connections. If using external audio, ensure it's powered on and correctly configured.
Remote Control Not Working	Ensure there are no obstructions between the remote and the TV. The remote is solar-powered; ensure it receives light to charge.
Network Connection Issues	Restart your router/modem. Check Wi-Fi password. Try a wired LAN connection if Wi-Fi fails.

## SPECIFICATIONS

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Feature	Detail
Brand	SAMSUNG
Model Number	QN42S90DAEXZA
Screen Size	42 Inches (107 cm visible diagonal)
Display Technology	OLED
Resolution	4K (3840 x 2160)
Refresh Rate	120 Hz (up to 144Hz with compatible PC)
Operating System	Samsung Tizen OS
Audio Technology	Dolby Atmos, Object Tracking Sound Lite, Q-Symphony

Feature	Detail
Connectivity	Wi-Fi, Bluetooth, 4 HDMI (1 eARC), 2 USB, LAN, Optical
Dimensions (WxDxH)	36.8" x 8.1" x 23.9" (with stand)
Item Weight	19.2 Pounds
Special Features	Anti-Reflection, Ambient Mode+, Built-in Voice Assistant, Samsung TV Plus, SmartThings Compatible, Samsung Health, ConnectTime, Samsung Gaming Hub, Filmmaker Mode, Laser Slim Design

## WARRANTY AND PROTECTION PLAN

Your Samsung QN42S90DAEXZA TV comes with a **1 Year Manufacturer Warranty** from Samsung, covering defects in materials and workmanship under normal use.

Additionally, this bundle includes a **2 Year Amber Protection Plan**. This plan extends coverage beyond the manufacturer's warranty, offering protection against mechanical & electrical failures and power surge protection. All plans begin from the date of purchase and are inclusive of the manufacturer's limited coverage. Benefits such as Power Surge Protection and Mechanical & Electrical Failures (if purchased) begin on Day 1.

Extended Protection Features & Benefits	Covered Products
<ul style="list-style-type: none"> <li>• Mechanical &amp; Electrical Failures</li> <li>• Power Surge Protection</li> <li>• Nationwide Network of Service Providers</li> <li>• 24/7/365 Customer Support, and more.</li> </ul> <p><b>When does the plan begin?</b></p> <p>All plans begin from date of purchase and are inclusive of the manufacturer's limited coverage. Benefits such as Power Surge Protection and Mechanical &amp; Electrical Failures (if purchased) begin on Day 1.</p> <p><b>What items are eligible for extended protection?</b></p> <p>Electronics with at least a 90 day manufacturer limited coverage in the United States.</p>	<ul style="list-style-type: none"> <li>• Televisions</li> <li>• Laptops</li> <li>• Tablets</li> <li>• Home Theater</li> <li>• Headphones</li> <li>• And More</li> </ul>

Figure 7: Overview of the Extended Protection Features & Benefits, detailing coverage for mechanical & electrical failures, power surge protection, and customer support.

For specific terms and conditions of the Amber Protection Plan, please refer to the documentation provided with your purchase or contact the plan provider.

## CUSTOMER SUPPORT

For technical assistance, warranty claims, or further inquiries, please contact Samsung Customer Support:

- **Samsung Official Website:** Visit [samsung.com/us/support/](https://samsung.com/us/support/) for product manuals, FAQs, and software updates.
- **Phone Support:** Refer to your product's packaging or the Samsung support website for the most current contact numbers.

- **Online Chat:** Available through the Samsung support website for real-time assistance.

When contacting support, please have your TV model number (QN42S90DAEXZA) and serial number ready.