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› Samsung 50-Inch Class The Frame LS03F 4K QLED Smart TV (2025 Model) Instruction Manual

Samsung QN50LS03FAFXZA

Samsung 50-Inch Class The Frame LS03F 4K QLED Smart TV (2025 Model) User Manual

Model: QN50LS03FAFXZA

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Samsung 50-Inch Class The Frame LS03F 4K QLED Smart TV (2025 Model). Please read this manual thoroughly to ensure proper use and to maximize your viewing experience. Keep this manual for future reference.



Image: The Samsung The Frame TV in Art Mode, showcasing a vibrant art piece. This image illustrates the TV's primary function as a display for artwork when not in use as a television.

SETUP

1. What's in the Box

Verify that all components are present before beginning installation:

- Samsung 50-Inch Class The Frame LS03F TV
- Simple Stand
- One Connect Box
- SolarCell™ Remote (Model TM2561E)
- Power Cable
- User Manual (this document)
- Slim Fit Wall Mount



Image: A detailed diagram illustrating the dimensions of the 50-inch TV and a visual list of all items included in the product packaging, such as the TV, stand, remote, and One Connect Box.

2. Physical Installation

Your TV can be installed using the included Simple Stand or the Slim Fit Wall Mount. For wall mounting, ensure the wall structure can support the TV's weight and follow the detailed instructions provided with the wall mount kit. The Slim Fit Wall Mount is designed to minimize the gap between the TV and the wall, creating a flush, art-like appearance.



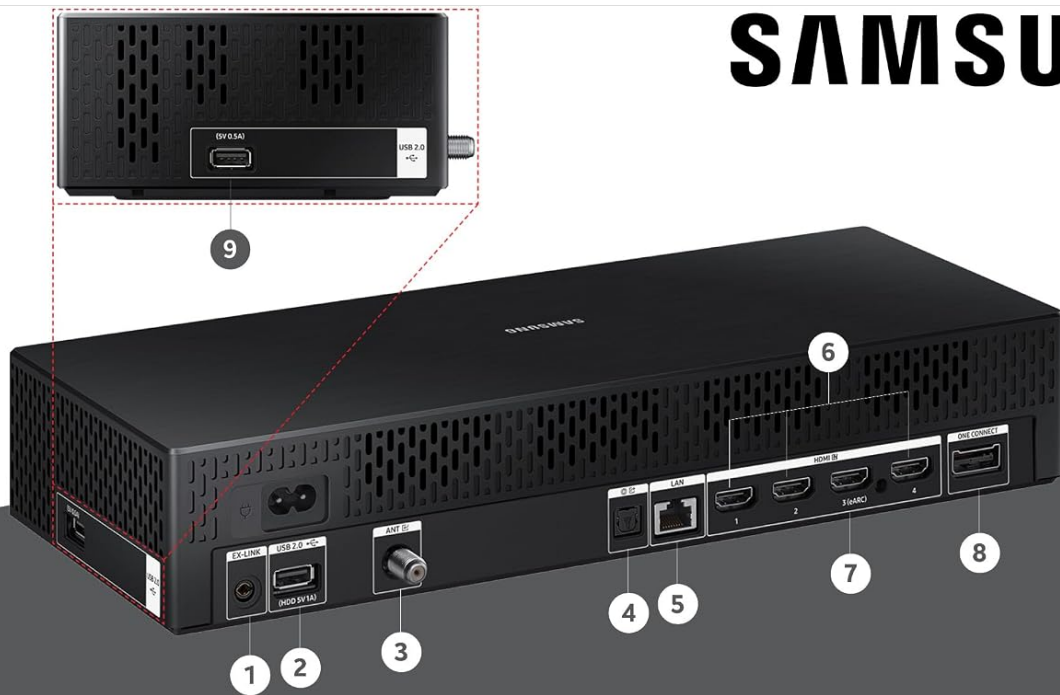
Image: A Samsung The Frame TV mounted flush against a wall, demonstrating the minimal gap achieved with the Slim Fit Wall Mount, enhancing its appearance as a framed artwork.

3. Connecting the One Connect Box

The One Connect Box centralizes all external device connections, reducing cable clutter around the TV. Connect the One Connect Cable from the TV to the One Connect Box. Then, connect your external devices (e.g., cable box, gaming console, soundbar) to the appropriate ports on the One Connect Box.

- **HDMI 1, 2, 4 (4K 60Hz):** For transmitting high-definition video and audio.
- **HDMI 3 (eARC - 4K 60Hz):** Supports enhanced audio return channel for high-quality sound.
- **USB-A:** Standard rectangular port for power or media playback.
- **Ethernet:** For wired internet connection, streaming, and updates.
- **Audio Out (Optical):** Delivers high-quality digital audio to soundbars or receivers.
- **Cable/ANT:** Connector for over-the-air antenna or cable TV signals.
- **EX-Link:** Samsung service port for external control and diagnostics.

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1. EX-Link

Samsung service port for external control and diagnostics



2. USB-A

Standard rectangular port for power or media playback



3. Cable/ANT

Connector for over-the-air antenna or cable TV signals



4. Audio Out (Optical)

Delivers high-quality digital audio to soundbars or receivers



5. Ethernet

Wired internet connection for streaming, updates, and smart features



6. HDMI 1, 2, 4 - 4K 60Hz

Transmits high-definition video and audio from external devices



7. HDMI 3 (eARC) - 4K 60Hz

Enhanced audio return for high-quality sound and advanced formats



8. One Connect Port

No more messy cables to your TV with just the One Connect cable



9. USB-A

Standard rectangular port for power or media playback

Image: A detailed view of the Samsung One Connect Box, highlighting various input and output ports such as HDMI, USB, Ethernet, and optical audio, with numerical labels and descriptions for each.

4. Initial Power On

After connecting all cables, plug the power cable into an electrical outlet. Press the power button on the remote control or the TV to turn it on. Follow the on-screen instructions for initial setup, including network connection and channel scanning.

OPERATING YOUR TV

1. Basic TV Functions

Use the SolarCell™ Remote to navigate the TV's interface. Basic functions include power on/off, volume control, channel selection, and input source switching. The remote features an AI click to search button for enhanced navigation.

2. Art Mode

When the TV is off, it can transform into Art Mode, displaying a curated collection of artworks. Access the Art Store to browse and select from various pieces. A Samsung Account login and Wi-Fi connection are required. A subscription may be necessary to

access the full Art Store collection. You can also upload your own photos to display.

Without Matte Display

With Matte Display



Anti-Reflection with Matte Display

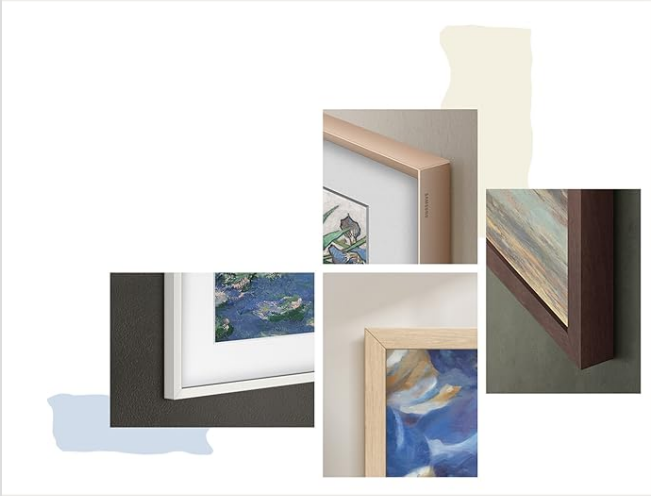
Makes art looks like real art with a print-like finish

See your favorite works like you're seeing them hanging in a gallery or museum. The virtually glare-free screen has subtle, matte texture, making art look like a real print.

Image: A Samsung The Frame TV showcasing multiple art pieces in Art Mode, demonstrating the TV's ability to display a personal art gallery from various museums, galleries, and artists.

3. Samsung Vision AI

The NQ4 AI Gen2 Processor powers Samsung Vision AI, enhancing picture and sound quality. This technology provides AI-enhanced experiences, adapting content to optimize viewing. Samsung Vision AI features vary by TV model and utilize AI-based formulas for upscaling.



Customizable Frame

Update the look to match any style

Your home, your style. Choose from a variety of magnetic bezels to match your space. You can choose different colors and styles that complement your home décor or change it up based on your mood.³

Image: A conceptual diagram showing how Samsung Vision AI processes and enhances visual content, with various screens displaying optimized images and settings, powered by the NQ4 AI Gen2 Processor.

4. Gaming Hub & Motion Xcelerator

The Samsung Gaming Hub provides access to thousands of games without requiring a console. The TV supports VRR gaming at up to 4K 144Hz (for PC-connected games that support such specifications; PC graphic card required). The 50-inch model features Motion Xcelerator (60Hz) for smooth visuals.

Slim-Fit Wall Mount Included

Hangs like a picture

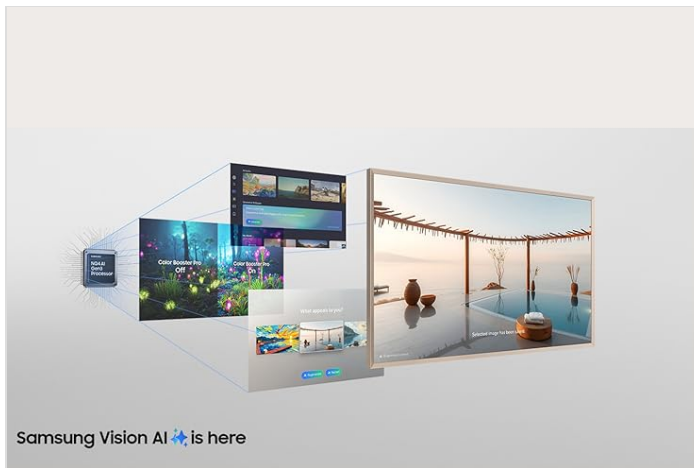
The Frame looks like art for many reasons. When mounted flush against the wall, the gap between the TV and the wall is minimal, creating the illusion of a genuine piece of art.



Image: A dynamic scene of a sports car racing on the TV screen, illustrating the smooth motion and high refresh rate provided by Motion Xcelerator 144Hz for gaming and fast-paced content.

5. Anti-Reflection with Matte Display

The TV features an anti-reflection matte display, designed to reduce glare and reflections. This technology makes displayed art appear more like a real print, enhancing the visual experience in various lighting conditions.



Samsung Vision AI
The next big thing in television

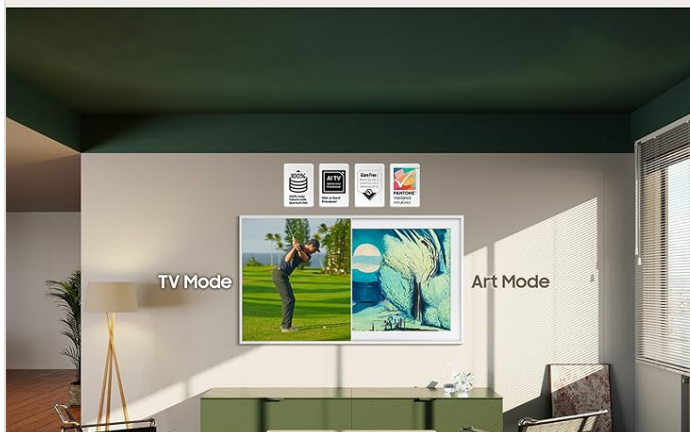
TV, tailored to you with AI-enhanced⁵ picture & sound plus revolutionary personalized experiences that let you engage more deeply with your content.

5 Samsung Vision AI is only available on 2025 Neo QLED 8K, Neo QLED, QLED, QLED and The Frame TV models. Samsung Vision AI features vary by TV model. AI Upscaling utilizes AI-based formulas.

Image: A side-by-side comparison of a TV screen without a matte display (showing reflections) and with a matte display (showing clear, glare-free art), demonstrating the anti-reflection feature.

6. Customizable Frame

The Frame TV allows for customizable bezels (sold separately) to match your home decor. These magnetic bezels can be easily attached and swapped to update the TV's appearance.



Artful Picture Quality with QLED

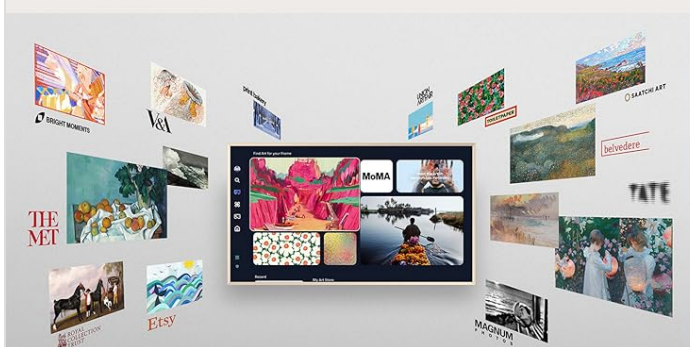
**Lifelike picture when it's on,
museum-worthy when it's off**

Enjoy stunning colors when you're watching TV and admire lifelike artwork when you're not. Discover subtle details and bold colors and appreciate art as if you were in a gallery.

Image: A collage of different colored and styled bezels, showcasing the customizable frame options available for The Frame TV, allowing users to match their interior design.

7. Motion + Brightness Sensor

The TV is equipped with a motion and brightness sensor. In Art Mode, the screen will automatically turn on when someone enters the room and adjust its brightness and color based on the room's ambient lighting. This feature ensures artwork is displayed only when needed and appears realistic.



Art Mode

**Your personal art gallery on
your TV**

When you're not watching TV, the Frame transforms into art.¹ Access a curated collection from the Art Store or upload your own photos.⁴ Finish the look with various mat styles and colors.

⁴ Samsung Account required for network-based smart services, including streaming apps and other smart features. Separate [connected] computer, mobile or other device may be necessary to create/log in to Samsung Account (free to download and create). Without Account log in, only external device connections (e.g., via HDMI) and terrestrial/over-the-air TV (only for TVs with tuners) available

Image: A woman reading in a sunlit room, with The Frame TV displaying art on the wall. This illustrates the TV's motion and brightness sensor functionality, activating Art Mode when a presence is detected and adjusting to ambient light.

MAINTENANCE

1. Cleaning Your TV

To clean the screen, gently wipe it with a soft, dry microfiber cloth. For stubborn smudges, lightly dampen the cloth with water or a screen-specific cleaning solution. Avoid using harsh chemicals, abrasive materials, or direct spraying onto the screen. Clean the frame and One Connect Box with a dry, soft cloth.

2. Software Updates

Ensure your TV's software is up-to-date for optimal performance and access to the latest features. Connect your TV to the internet via Wi-Fi or Ethernet. Navigate to the TV's settings menu to check for and install available software updates.

TROUBLESHOOTING

If you encounter issues with your Samsung The Frame TV, refer to the following common solutions:

- **TV does not turn on:** Check if the power cable is securely connected to both the TV/One Connect Box and the electrical outlet. Ensure the remote control batteries are not depleted.
- **No picture or sound:** Verify that the correct input source is selected. Check all cable connections between the One Connect Box and external devices.
- **Slow or unresponsive interface:** Disconnect the TV from power for a few minutes, then plug it back in and restart. Ensure your internet connection is stable for smart features.
- **Art Mode issues:** Confirm you are logged into your Samsung Account and have a stable internet connection. Note that some Art Store content requires a paid subscription.
- **Remote control not working:** Replace the SolarCell™ Remote's batteries if necessary. Ensure there are no obstructions between the remote and the TV.

For further assistance, consult the comprehensive e-Manual accessible through your TV's settings or visit the Samsung support website.

SPECIFICATIONS

Feature	Specification
Brand	Samsung
Model Number	QN50LS03FAFXZA
Screen Size	50 Inches
Display Technology	QLED
Resolution	4K
Refresh Rate	60 Hz (Motion Xcelerator)
Processor	NQ4 AI Gen2 Processor
Connectivity Technology	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Product Dimensions (D x W x H)	9"D x 44.3"W x 26.7"H
Item Weight	26.9 Pounds
On-mode power consumption	103 watts

WARRANTY AND SUPPORT

Warranty Information

Your Samsung TV comes with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official Samsung website for detailed terms and conditions, including coverage period and service procedures.

Customer Support

For technical support, service inquiries, or additional product information, please contact Samsung Customer Service. Contact details can be found on the Samsung website or in your product documentation.