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Samsung UN50U8000F

Samsung UN50U8000F 50" Crystal UHD 4K Smart TV (2025) User Manual

Model: UN50U8000F

1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Samsung UN50U8000F 50" Crystal UHD 4K Smart TV. Please read this manual thoroughly before using your TV to ensure safe and correct usage. Keep this manual for future reference.

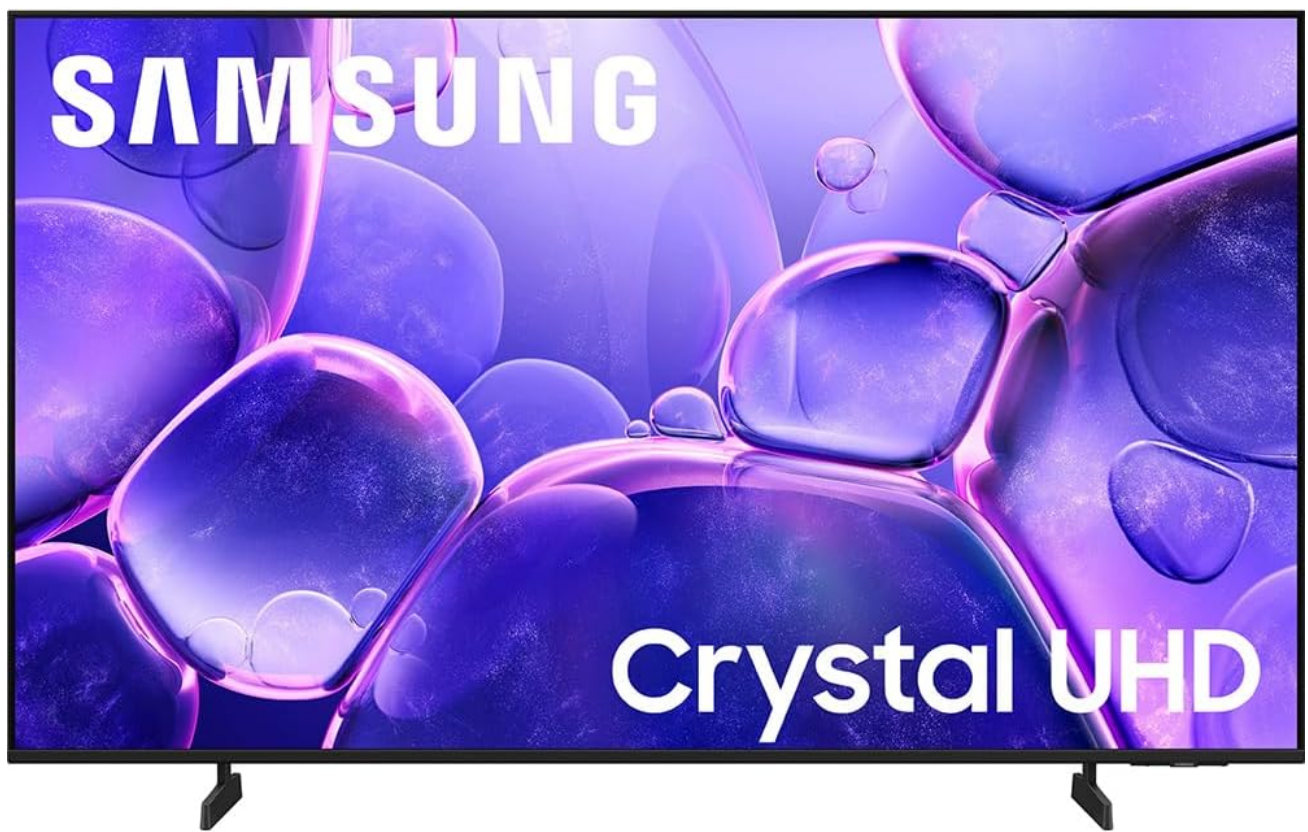


Image 1.1: Front view of the Samsung UN50U8000F 50-inch Crystal UHD 4K Smart TV. The screen displays a vibrant purple and blue abstract image, and the Samsung logo is visible on the bottom bezel.

2. PACKAGE CONTENTS

Verify that all items are present in your product packaging. If any items are missing or damaged, contact your retailer.

- Samsung Crystal UHD U8000F 4K Smart TV (2025)
- Remote Control (Model: IR SIMPLE REMOTE TM2240A)
- Power Cable
- User Manual (this document)
- Limited Protection Information

Note: Additional items such as HDMI cables, streaming cards, and extended protection plans may be included if purchased as part of a bundle. These are not standard inclusions for the TV unit itself.



Image 2.1: The Samsung UN50U8000F TV shown with various bundled accessories, including a box for extended protection, a beginner's guide, streaming service cards, and HDMI cables.

3. SETUP INSTRUCTIONS

3.1. Unpacking and Placement

Carefully remove the TV from its packaging. It is recommended that two people handle the TV to prevent damage. Place the TV on a stable, level surface or mount it on a wall using a compatible VESA wall mount (sold separately). Ensure adequate ventilation around the TV.



Image 3.1: Side view of the Samsung UN50U8000F TV, highlighting its slim design and the included stand feet.

3.2. Attaching the Stand (Optional)

If you are not wall-mounting the TV, attach the included stand feet. Refer to the quick setup guide provided in the box for detailed instructions on stand assembly. Ensure all screws are securely fastened.

3.3. Connecting Power

Connect the power cable to the TV's power input and then plug the other end into a wall outlet. Do not plug in the TV until all other connections are made.

3.4. Connecting External Devices

Use HDMI cables to connect devices such as Blu-ray players, game consoles, or soundbars to the HDMI ports on the back of the TV. Ensure cables are inserted firmly.

- **HDMI Ports:** For high-definition video and audio.
- **USB Ports:** For connecting USB storage devices.
- **Ethernet Port:** For a wired internet connection.

4. OPERATING INSTRUCTIONS

4.1. Remote Control Overview

The included remote control (TM2240A) allows you to navigate the TV's functions. Insert two AAA batteries (not included) into the remote control, observing polarity.

- **Power Button:** Turns the TV on or off.
- **Source Button:** Selects input sources (HDMI 1, HDMI 2, TV, etc.).
- **Volume Buttons:** Adjusts the volume level.
- **Channel Buttons:** Changes TV channels.
- **Navigation Pad:** Moves cursor through menus.
- **Smart Hub Button:** Accesses the Smart Hub for apps and streaming services.

4.2. Initial Setup and Smart Hub

Upon first power-on, the TV will guide you through an initial setup process. This includes connecting to your Wi-Fi network, agreeing to terms and conditions, and setting up your Samsung Account. A Samsung Account is required for network-based smart services, including streaming apps and other smart features.

The Smart Hub provides access to a wide range of applications, streaming services, and Samsung TV Plus, which offers over 2700 free channels.

4.3. Picture and Sound Settings

Access the TV's menu to adjust picture and sound settings. You can customize brightness, contrast, color, and various sound modes to suit your preferences.

5. KEY FEATURES

5.1. Crystal Processor 4K

The Crystal Processor 4K enhances picture quality, delivering vibrant colors and rich contrast in 4K resolution. It also performs powerful 4K upscaling to improve the clarity of lower-resolution content.

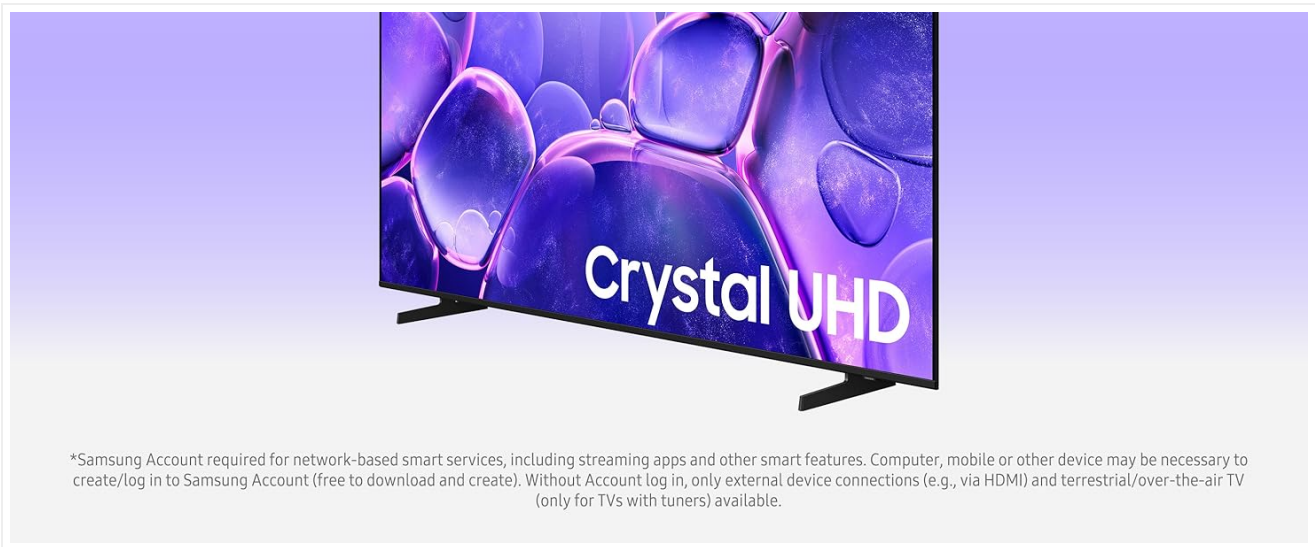


Image 5.1: The Samsung Crystal UHD TV showcasing its display capabilities with a colorful, abstract image and the 'Crystal UHD' branding.

5.2. 4K Upscaling

This feature upgrades lower-resolution content to near 4K quality, allowing you to enjoy enhanced detail and clarity across all your favorite movies, TV shows, and sports.

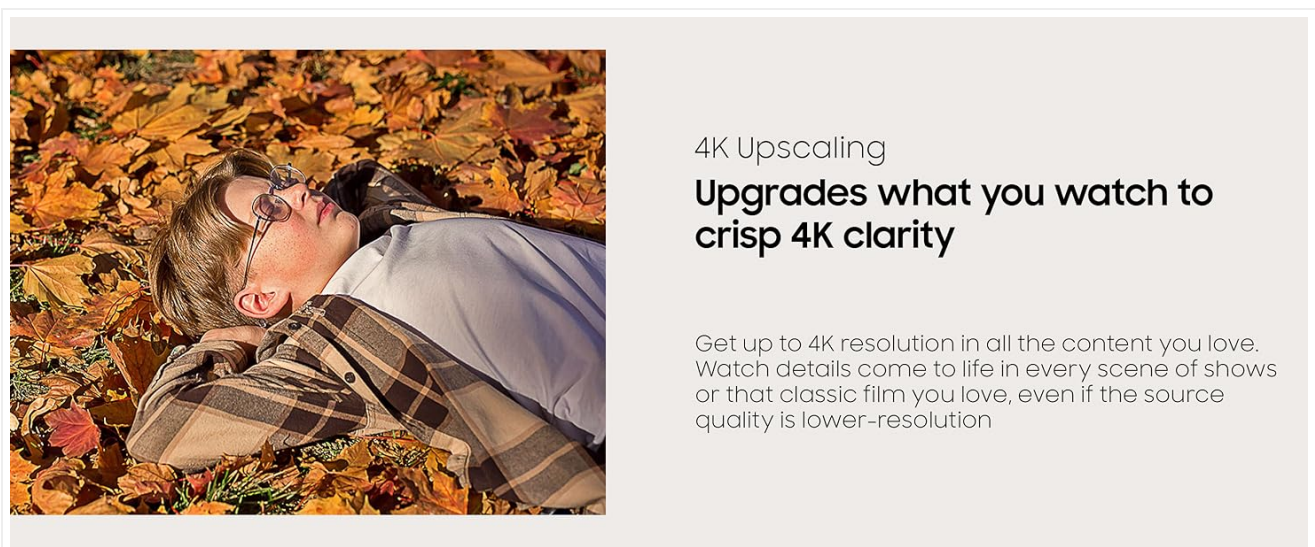


Image 5.2: An image depicting a person relaxing on autumn leaves, used to illustrate the clarity provided by 4K Upscaling.

5.3. MetalStream Design

The TV features a sleek design crafted from a single sheet of metal with a slim bezel, offering a modern aesthetic that minimizes distractions and enhances your viewing experience.



MetalStream Design

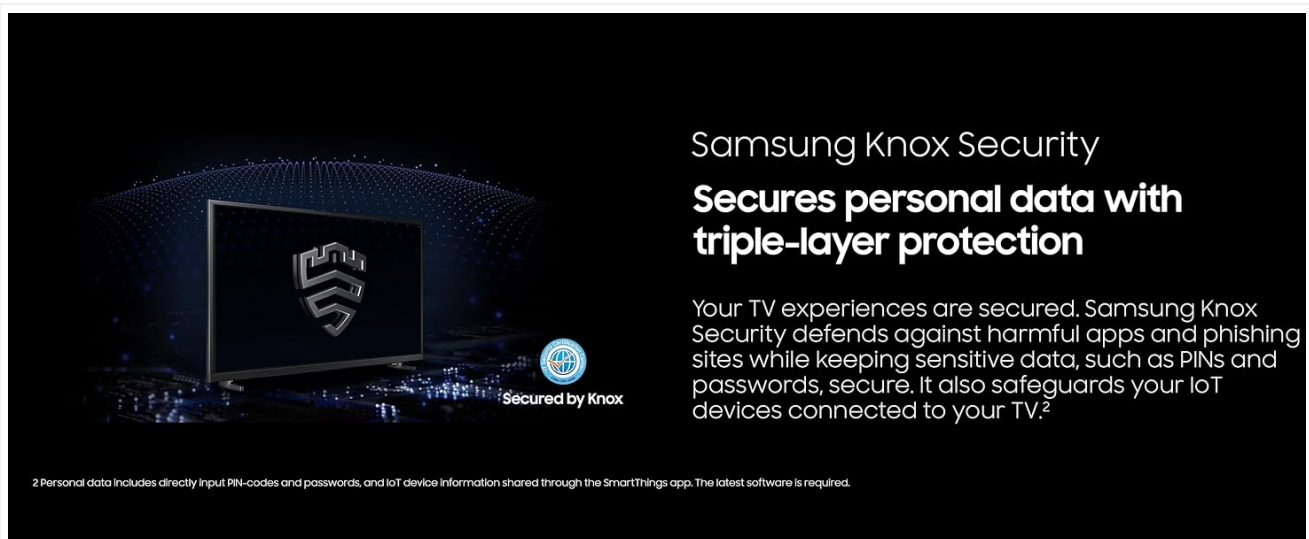
Elegant design that enriches your space

Enhance your home décor with a TV crafted from a single metal sheet and featuring a slim bezel. Add a hint of sophistication with an aircraft-inspired design, and watch TV with minimal distractions.

Image 5.3: Rear view of the Samsung TV, highlighting its elegant MetalStream Design and slim profile.

5.4. Samsung Knox Security

Samsung Knox Security provides triple-layer protection for your TV and connected IoT devices. It safeguards against unauthorized apps, phishing websites, and protects sensitive personal data like PINs and passwords through regular updates.



Samsung Knox Security

Secures personal data with triple-layer protection

Your TV experiences are secured. Samsung Knox Security defends against harmful apps and phishing sites while keeping sensitive data, such as PINs and passwords, secure. It also safeguards your IoT devices connected to your TV.²

Image 5.4: A graphic illustrating Samsung Knox Security, with a shield icon on a TV screen, representing data protection.

5.5. Motion Xcelerator 60Hz

This technology predicts and smooths movement between frames, providing clear picture and smooth motion, particularly beneficial for fast-paced content like sports and video games, at up to 60Hz.



Motion Xcelerator 60Hz

Experience clear picture and smooth motion in games and sports

By estimating the movement between frames, Motion Xcelerator predicts and smooths them out for improved picture clarity at up to 60Hz.

Image 5.5: A dynamic image of a motorcycle racer, demonstrating the smooth motion provided by Motion Xcelerator 60Hz.

5.6. HDR (High Dynamic Range)

HDR expands the contrast range between the lightest and darkest parts of a scene, enhancing visual detail, depth, and a wider spectrum of colors.



HDR

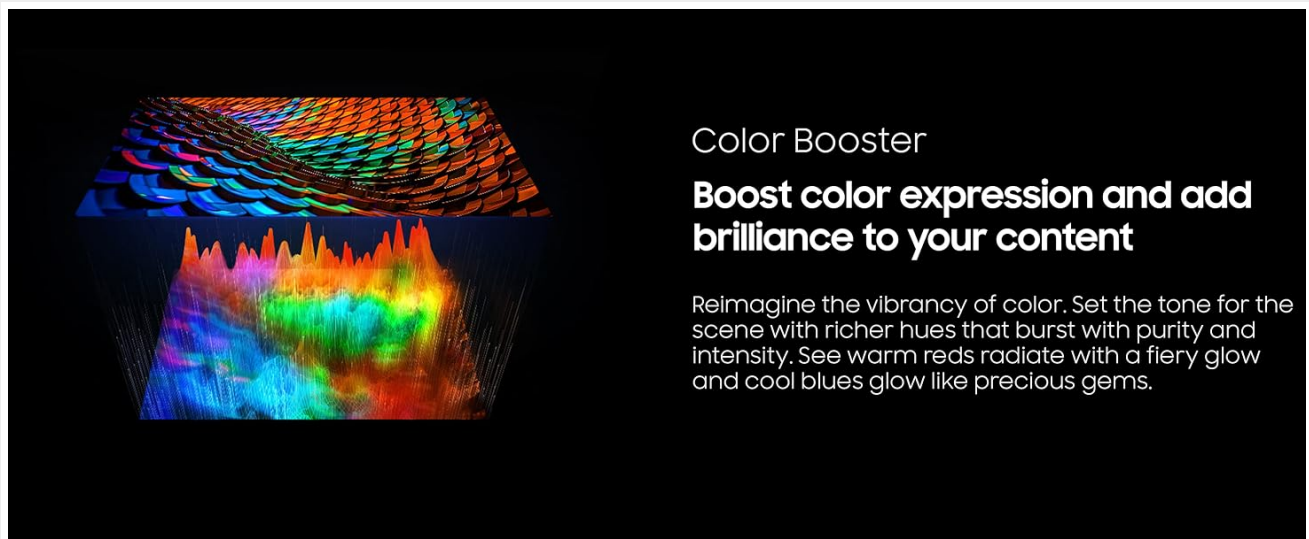
Expanded contrast for enhanced visual detail

Get expanded contrast between the lightest and darkest parts of a scene for a wide spectrum of colors, enhanced detail and depth.

Image 5.6: A landscape image of cliffs by the ocean, demonstrating the enhanced contrast and detail provided by HDR technology.

5.7. Color Booster

Color Booster technology enhances color expression, adding brilliance and vibrancy to your content. It optimizes hues, purity, and intensity for a more vivid viewing experience.



Color Booster

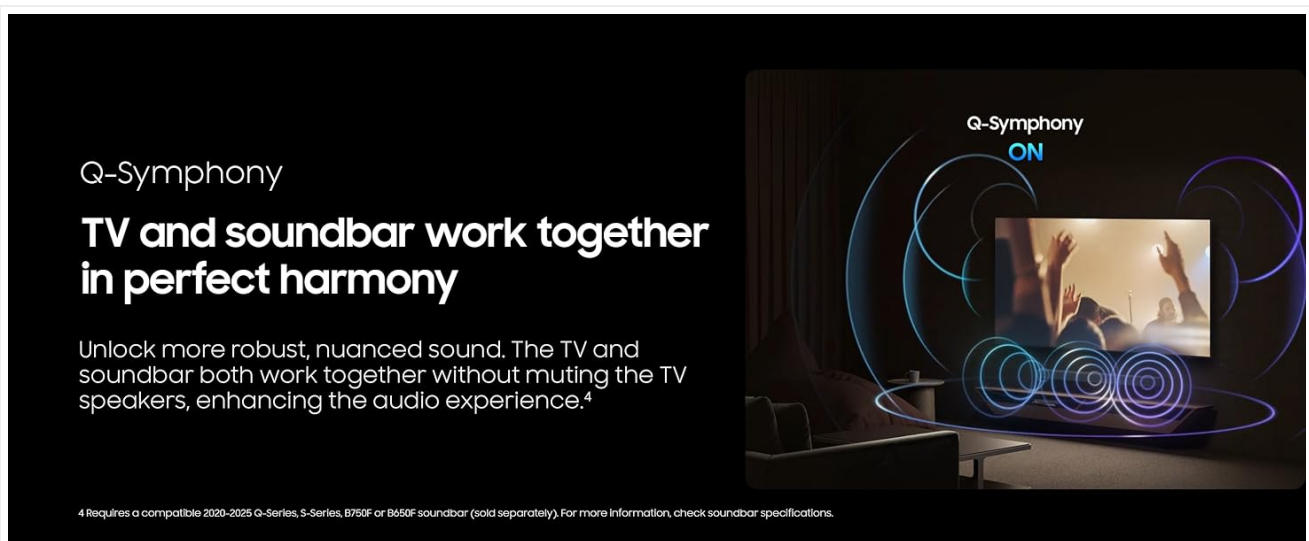
Boost color expression and add brilliance to your content

Reimagine the vibrancy of color. Set the tone for the scene with richer hues that burst with purity and intensity. See warm reds radiate with a fiery glow and cool blues glow like precious gems.

Image 5.7: An abstract image with a wide spectrum of colors, illustrating the effect of Color Booster technology.

5.8. Q-Symphony

When paired with a compatible Samsung soundbar (sold separately), Q-Symphony allows the TV speakers and soundbar to operate simultaneously, creating a more robust and immersive audio experience without muting the TV's internal speakers.



Q-Symphony

TV and soundbar work together in perfect harmony

Unlock more robust, nuanced sound. The TV and soundbar both work together without muting the TV speakers, enhancing the audio experience.⁴

⁴ Requires a compatible 2020-2025 Q-Series, S-Series, B750F or B650F soundbar (sold separately). For more information, check soundbar specifications.

Image 5.8: A visual representation of Q-Symphony, showing sound waves emanating from both a TV and a soundbar, indicating synchronized audio output.

6. MAINTENANCE

6.1. Cleaning the TV

- **Screen:** Gently wipe the screen with a soft, dry microfiber cloth. For stubborn marks, lightly dampen the cloth with distilled water. Avoid using harsh chemicals or abrasive materials.
- **Body:** Wipe the TV frame and stand with a soft, dry cloth.
- Always unplug the TV before cleaning.

6.2. Software Updates

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

7. TROUBLESHOOTING

If you encounter issues with your TV, refer to the following common problems and solutions before contacting support.

Problem	Possible Solution
No power	Ensure the power cable is securely connected to the TV and the wall outlet. Test the outlet with another device.
No picture, but sound is present	Check the input source. Ensure external devices are powered on and connected correctly. Try restarting the TV.
No sound, but picture is present	Check the volume level and mute status. Verify audio output settings in the TV menu. If using external audio, check its connections and power.
Remote control not working	Replace the batteries. Ensure there are no obstructions between the remote and the TV's IR sensor.
Cannot connect to Wi-Fi	Restart your router and modem. Check Wi-Fi password. Ensure the TV is within range of your router. Try a wired Ethernet connection if available.

8. SPECIFICATIONS

Feature	Detail
Model Number	UN50U8000F
Screen Size (Diagonal)	50 inches (49.5 inches visible)
Display Technology	LED
Resolution	4K UHD (3840 x 2160)
Refresh Rate	60 Hz
Aspect Ratio	16:9
Connectivity	Wi-Fi, Bluetooth, HDMI (quantity not specified in provided data, typically 2-4), USB
Product Dimensions (W x H x D)	43.7" x 27.4" x 7.8" (with stand)
Item Weight	18.3 pounds
On-mode Power Consumption	89 watts

9. WARRANTY AND SUPPORT

9.1. Limited Protection

Your Samsung UN50U8000F TV comes with a standard limited protection plan. For detailed terms, conditions, and duration of this protection, please refer to the documentation included in your TV's packaging or visit the official Samsung support website.

Note: Any extended protection plans, such as the "26 Months Extended Protection" mentioned in product bundles, are additional services provided by third parties and are separate from Samsung's standard limited protection.

9.2. Customer Support

For further assistance, technical support, or warranty claims, please contact Samsung Customer Service. You can find contact information and additional resources on the official Samsung website:

www.samsung.com/us/support/