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Samsung UN50U8000HFXZA

Samsung 50-Inch Class U8000H Series Crystal UHD 4K Smart TV User Manual

Model: UN50U8000HFXZA

1. Important Safety Instructions

Before using your TV, please read all safety instructions carefully. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Power Source:** Only use the TV with the specified power supply.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the TV to rain or moisture. Do not place objects filled with liquids on the TV.
- **Cleaning:** Unplug the TV before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Placement:** Place the TV on a stable, level surface. Avoid placing it in direct sunlight or near heat sources.
- **Children:** Keep small parts and packaging materials away from children.

2. What's in the Box

Carefully unpack your TV and check that all items are present. If any items are missing or damaged, contact your retailer.

- Samsung 50-Inch Class U8000H Series Crystal UHD 4K Smart TV
- Power Cable
- Remote Control (TM2240A) with batteries
- TV Stand Components
- User Manual (this document)
- Warranty Card



Figure 2.1: Package contents and TV dimensions. Includes TV, remote, power cable, and user manual.

3. Setup

3.1 Unpacking

Remove the TV from its packaging. It is recommended to have two people for this process to prevent damage or injury.

3.2 Attaching the Stand

1. Place a soft cloth or cushion on a flat surface to protect the screen.
2. Carefully place the TV face-down on the cloth.
3. Align the stand base with the mounting holes on the TV.
4. Secure the stand using the provided screws. Do not overtighten.
5. Carefully lift the TV to its upright position on a stable surface.

3.3 Wall Mounting (Optional)

This TV supports VESA wall mounts (200 x 200 mm). For wall mounting, refer to the instructions provided with your wall mount kit. Ensure the wall can support the weight of the TV.

3.4 Connecting Power

Plug the power cable into the TV's power input, then plug the other end into a wall outlet. Ensure the connection is secure.

3.5 Initial Setup Wizard

Upon first power-on, the TV will guide you through an initial setup process. This includes:

- Language selection
- Network connection (Wi-Fi or Ethernet)
- Samsung Account login (recommended for full smart features)
- Channel scan (for antenna/cable connections)

4. Operating Your TV

4.1 Remote Control Overview

The included remote control allows you to access all TV functions. Familiarize yourself with the button layout.

4.2 Basic Functions

- **Power:** Press the Power button to turn the TV on or off.
- **Volume:** Use the Volume Up/Down buttons to adjust the sound level.
- **Channel:** Use the Channel Up/Down buttons to change channels (for antenna/cable).
- **Source:** Press the Source button to select input devices (HDMI, USB, etc.).
- **Home:** Press the Home button to access the Smart Hub.

4.3 Menu Navigation

Use the directional pad (up, down, left, right) and the Enter button on your remote to navigate through on-screen menus and select options.

5. Smart Features

Your Samsung U8000H Smart TV offers a wide range of intelligent features for entertainment and convenience.

5.1 Samsung Account

A Samsung Account is required to access network-based smart services, including streaming apps, personalized recommendations, and other smart features. You can create an account for free during the initial setup or via the TV's settings menu.

5.2 Samsung TV Plus

Enjoy over 2,700 free streaming options, including more than 750 subscription-free channels on Samsung TV Plus. Access news, sports, movies, and more without additional subscriptions.

Figure 5.1: Samsung TV Plus interface showing a variety of free content.

5.3 Streaming Applications

Access popular streaming services like Netflix, Amazon Prime Video, YouTube, Disney+, and more directly from the Smart Hub. Download additional apps from the Samsung App Store.

5.4 Samsung Gaming Hub

The Gaming Hub provides a central location for your favorite games from consoles, cloud services, and gaming apps. No console is required for many cloud gaming options (separate subscriptions and compatible controllers may be needed).



Figure 5.2: The Samsung Gaming Hub interface, offering access to various gaming services.

5.5 Vision AI Companion

Utilize AI features to ask your TV questions via Bixby, access AI agents like Microsoft Copilot and Perplexity, and enhance picture and sound settings automatically.



Figure 5.3: Vision AI Companion features displayed on the TV screen.

6. Connectivity

Your TV offers multiple ports and wireless options for connecting external devices and networks.



Figure 6.1: Rear view of the TV's connectivity ports.

- **HDMI Ports (3):** Connect Blu-ray players, game consoles, soundbars, and other HDMI-compatible devices. HDMI 1 supports eARC for enhanced audio return.
- **USB Port (1):** Connect USB storage devices for media playback (photos, videos, music).
- **Ethernet (LAN) Port:** For a wired internet connection.
- **Cable/ANT Input:** Connect an over-the-air antenna or cable TV signal.
- **Wi-Fi:** Built-in Wi-Fi for wireless internet connection.

- **Bluetooth 5.3:** Connect compatible wireless headphones, soundbars, or other Bluetooth devices.

7. Picture and Sound Enhancements

The U8000H series incorporates advanced technologies to deliver an immersive viewing and listening experience.

7.1 Crystal Processor 4K

The powerful Crystal Processor 4K enhances colors and sharpens details, providing a vibrant 4K viewing experience with every shade of color as intended.



Figure 7.1: The Crystal Processor 4K, responsible for enhanced picture quality.

7.2 4K Upscaling

Upgrade your favorite shows, movies, and more to crisp 4K clarity. Advanced upscaling technology enhances details and clarity even from lower-quality sources.



Figure 7.2: Visual representation of 4K Upscaling enhancing image details.

7.3 Motion Xcelerator

Experience clear picture and smooth motion in games and sports. This technology estimates and adjusts frame transitions in real-time for up to 4K 60Hz performance.



Figure 7.3: Motion Xcelerator providing smooth visuals for fast-paced action.

7.4 Color Booster

Supercharge your color. From fiery reds to sparkling blues, Color Booster brings every color to life with intensity, transforming content into a visual masterpiece.



Figure 7.4: Comparison of a scene with and without Color Booster, showing enhanced vibrancy.

7.5 Object Tracking Sound Lite

Experience sound that moves with the action on screen. Thanks to a virtual top channel, sound is precisely placed for immersive audio, enhancing every scene from chases to quiet conversations.



Figure 7.5: Object Tracking Sound Lite creating dynamic audio that follows on-screen action.

7.6 Adaptive Sound & Q-Symphony

Adaptive Sound optimizes audio settings for each scene. Q-Symphony allows the TV and a compatible Samsung soundbar to work together, enhancing the audio experience without muting TV speakers.



Figure 7.6: Q-Symphony technology integrating TV and soundbar audio for a richer soundstage.

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-specific cleaning solution (never spray directly onto the screen). Avoid using alcohol, solvents, or abrasive cleaners.

8.2 Cleaning the TV Body and Remote

Wipe the TV frame and remote control with a soft, dry cloth. Do not use liquid cleaners directly on these surfaces.

8.3 General Care

- Unplug the TV during lightning storms or when unused for long periods.
- Avoid placing heavy objects on the TV or power cord.
- Keep the TV away from direct heat sources and excessive dust.

9. Troubleshooting

If you encounter issues with your TV, try the following solutions before contacting service.

9.1 No Power

- Check if the power cable is securely plugged into the TV and the wall outlet.
- Verify the wall outlet is working by plugging in another device.
- Try a different power outlet.

9.2 No Picture or Poor Picture Quality

- Ensure the correct input source is selected (e.g., HDMI 1, TV).
- Check cable connections between the TV and external devices.
- Adjust picture settings (Brightness, Contrast, Sharpness) in the TV menu.
- If using an antenna, check antenna connection and rescan channels.

9.3 No Sound or Poor Sound Quality

- Check the volume level on the TV and any connected audio devices.
- Ensure Mute is not activated.
- Check audio cable connections.
- If using external speakers, ensure they are powered on and correctly configured.

9.4 Remote Control Not Working

- Replace the batteries in the remote control.
- Ensure there are no obstructions between the remote and the TV.
- Point the remote directly at the TV's remote sensor.

9.5 Network Connection Issues

- Restart your router and modem.
- Check Wi-Fi password if connecting wirelessly.
- If using a wired connection, ensure the Ethernet cable is securely connected.
- Try connecting to a different Wi-Fi network if available.

10. Specifications

Feature	Specification
Screen Size	50 inches
Model Name	U8000H
Model Number	UN50U8000HFXZA
Display Technology	LED
Resolution	4K UHD (3840 x 2160)
Refresh Rate	60 Hz
Processor	Crystal Processor 4K
Operating System	Tizen™
HDR Support	HDR10+
Connectivity	3 HDMI, 1 USB, Ethernet, Wi-Fi, Bluetooth 5.3
VESA Mount Standard	200 x 200 mm
Product Dimensions (WxHxD) with Stand	43.7" x 27.4" x 7.8"
Product Dimensions (WxHxD) without Stand	43.7" x 25.3" x 3"
Weight with Stand	19.2 lbs
Weight without Stand	18.6 lbs

11. Warranty and Support

11.1 Warranty Information

This Samsung TV comes with a**1 Year Manufacturer Warranty**. Please refer to the warranty card included in your package for full terms and conditions, or visit the official Samsung website for detailed warranty information specific to your region.

11.2 Customer Support

For technical assistance, troubleshooting, or service requests, please contact Samsung Customer Support:

- **Website:** Visit samsung.com/us/support/
- **Phone:** Refer to your warranty card or the Samsung support website for local contact numbers.

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