

[Manuals.plus](#) /

> [Samsung](#) /

> Samsung 50" Class Crystal UHD U7900F (2025) 4K Smart TV Instruction Manual

Samsung U7900F

Samsung 50" Class Crystal UHD U7900F (2025) 4K Smart TV Instruction Manual

Model: U7900F | Brand: Samsung

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Samsung 50" Class Crystal UHD U7900F (2025) 4K Smart TV. Please read these instructions carefully to ensure proper use and to maximize your viewing experience.

1. SETUP

1.1 Unboxing and Component Check

Carefully remove the TV and all components from the packaging. Verify that all items listed in the packing list are present. Handle the screen with care to avoid damage.

1.2 Stand or Wall Mount Installation

Your TV comes with options for stand or wall mount installation. Ensure the TV is placed on a stable, level surface if using the stand, or securely mounted to a suitable wall structure if using the included wall mount.



Image: Samsung 50-inch Crystal UHD U7900F TV shown with its included wall mount bracket.



MetalStream Design

An elegant metal design that upgrades your space

Image: A diagram detailing the installation process for the ultra-slim TV wall mount, including how to pull a cord to release the bracket.

1.3 Connecting External Devices

Connect your external devices (e.g., cable box, Blu-ray player, gaming console) to the appropriate ports on the back of the TV. The U7900F features HDMI 2.1 (for 4K@120Hz, eARC) and two HDMI 2.0 ports.

Powers 3D color mapping and upscaling for a clear picture

Crystal Processor 4K

Experience every shade of color as it was meant to be seen in dazzling 4K. Plus, make your movies, TV shows, games and sports look even better with powerful 4K upscaling.

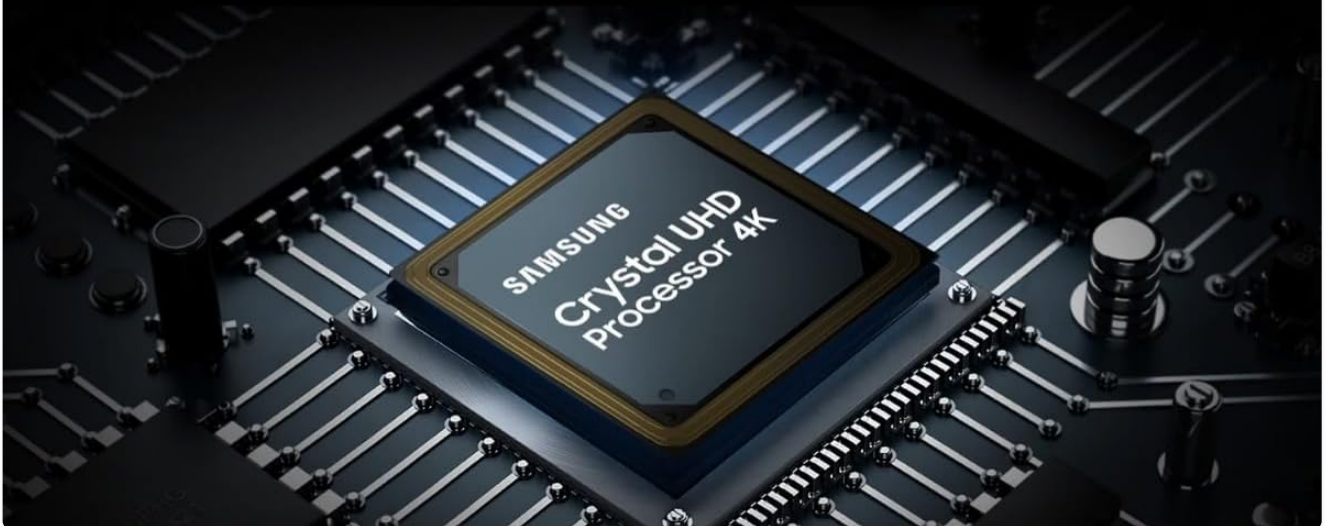


Image: A detailed view of the rear panel connectivity ports, including HDMI, USB, and Ethernet connections.

1.4 Power On and Initial Configuration

Plug the power cord into an electrical outlet. Press the power button on the remote control. Follow the on-screen instructions to complete the initial setup, including language selection, network connection (Wi-Fi or Ethernet), and channel scanning.

2. OPERATING YOUR TV

2.1 Remote Control Functions

The included remote control allows you to navigate the TV's interface, adjust settings, and access smart features. Familiarize yourself with the buttons for power, volume, channel, home, and voice control.

2.2 Smart TV Features (Tizen OS 6.5)

Your Samsung TV runs on Tizen OS 6.5, providing access to a wide range of streaming applications and smart functionalities. Navigate the home screen to find pre-installed apps like Netflix, YouTube, Hulu, Disney+, and more.

Color Booster

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.

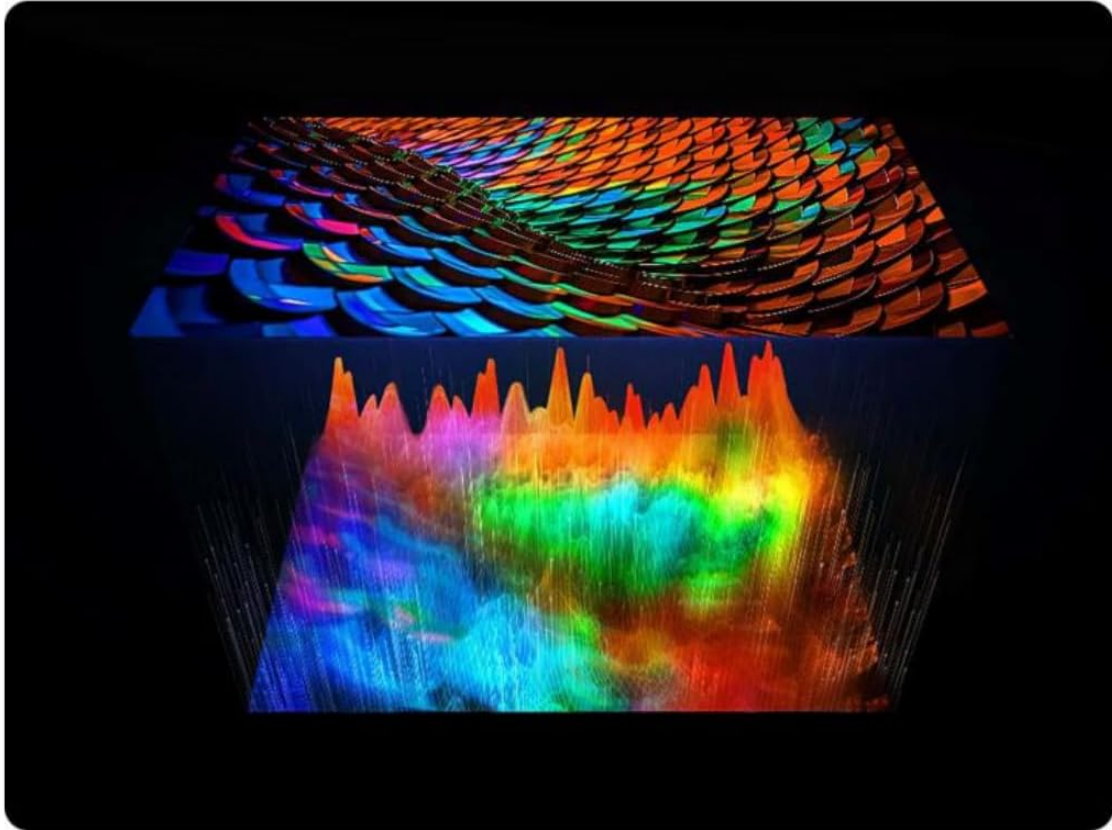


Image: A display showing a wide selection of streaming content and application icons, representing the 'Endless Free Content' feature.

2.3 Picture and Sound Enhancement

The Crystal Processor 4K with AI upscaling enhances detail and color accuracy. HDR10+ support provides vibrant visuals. Motion Xcelerator Turbo+ and Auto Motion Plus ensure smoother motion. Object Tracking Sound Lite delivers immersive audio.



Samsung Knox Security

Secures personal data* with triple-layer protection

*Personal data includes directly input PIN-codes and passwords, and IoT device information shared through the SmartThings app. The latest software update is required.

Image: A detailed view of the Samsung Crystal UHD Processor 4K chip, illustrating its role in 3D color mapping and upscaling for clear picture quality.

Experience clear picture and smooth motion in games and sports

Motion Xcelerator 60Hz

Film Mode

AI Upscale

Color Booster



Image: A visual representation of the 'Color Booster' feature, showing how colors are reimagined with richer hues and increased intensity.

2.4 Voice Control and Smart Assistants

Utilize built-in voice assistants like Bixby, Alexa, and Google Assistant for hands-free control of your TV and connected smart home devices.

2.5 Gaming Features

For gamers, the TV offers a 60Hz native refresh rate, Motion Xcelerator Turbo+, ALLM (Auto Low Latency Mode), and VRR (Variable Refresh Rate) via HDMI 2.1 for a responsive gaming experience.

2.6 Ambient Mode+

Transform your TV screen into a decorative element when not in use. Ambient Mode+ allows you to display customizable art, photos, or blend the screen with your room's decor.

2.7 Multi View

Use Multi View to display content from your TV and a compatible mobile device simultaneously on the screen.

3. MAINTENANCE

3.1 Cleaning Your TV

To clean the screen, gently wipe it with a soft, dry microfiber cloth. For the TV frame, use a soft, damp cloth. Avoid using harsh chemicals or abrasive materials.

3.2 Software Updates

Ensure your TV's software is up to date for optimal performance and security. You can usually check for updates through the TV's settings menu under 'Support' or 'Software Update'.

A crowd-pleasing 4K TV with vivid colors

Upgrade your viewing experience and enjoy hours of endless entertainment¹ with this essential 4K TV.



Image: The Samsung Knox Security logo prominently featured on a TV screen, symbolizing triple-layer protection for personal data.

4. TROUBLESHOOTING

If you encounter issues with your TV, refer to the following common problems and solutions:

- **No Power:** Check if the power cord is securely connected to both the TV and the electrical outlet. Test the outlet with another device.
- **No Picture/Sound:** Verify that the correct input source is selected. Check all cable connections between the TV and external devices.
- **Remote Control Not Working:** Replace the batteries in the remote. Ensure there are no obstructions between the remote and the TV's sensor.
- **Network Connection Issues:** Restart your router and modem. Reconnect the TV to your Wi-Fi network through the settings menu.
- **Smart Features Not Responding:** Try restarting the TV by unplugging it from the power outlet for a few minutes, then plugging it back in.

For more detailed troubleshooting, consult the e-Manual accessible through your TV's settings or visit the Samsung

support website.

5. SPECIFICATIONS

Feature	Specification
Screen Size	50 Inches
Display Technology	LED, Crystal UHD
Resolution	4K (3840 x 2160)
Refresh Rate	60 Hz (Native), Motion Xcelerator Turbo+
HDR Support	HDR10+
Processor	Crystal Processor 4K with AI Upscaling
Operating System	Tizen OS 6.5
Voice Assistants	Bixby, Alexa, Google Assistant
Connectivity	HDMI 2.1 (1), HDMI 2.0 (2), USB, Ethernet, Wi-Fi 5 (Dual-band), Bluetooth 5.2
Audio Output	20W Speakers with Object Tracking Sound Lite
Special Features	Ambient Mode+, Multi View, Samsung Knox Security, Smartphone Remote App
Product Dimensions (W x H x D)	47.4" x 29.9" x 5.6"
Item Weight	31 Pounds

6. WARRANTY AND SUPPORT

6.1 Warranty Information

This product is a renewed item. Please refer to the specific warranty terms provided by the seller or Amazon Renewed for details on coverage and duration. Standard protection plans may also be available for purchase.

6.2 Customer Support

For technical assistance, product inquiries, or warranty claims, please contact Samsung customer support or the seller from whom you purchased the renewed product. You can find contact information on the official Samsung website or your purchase documentation.

