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> User Manual for TCL 55" Class 4-Series 4K UHD HDR LED Smart Roku TV (Model 55S451)

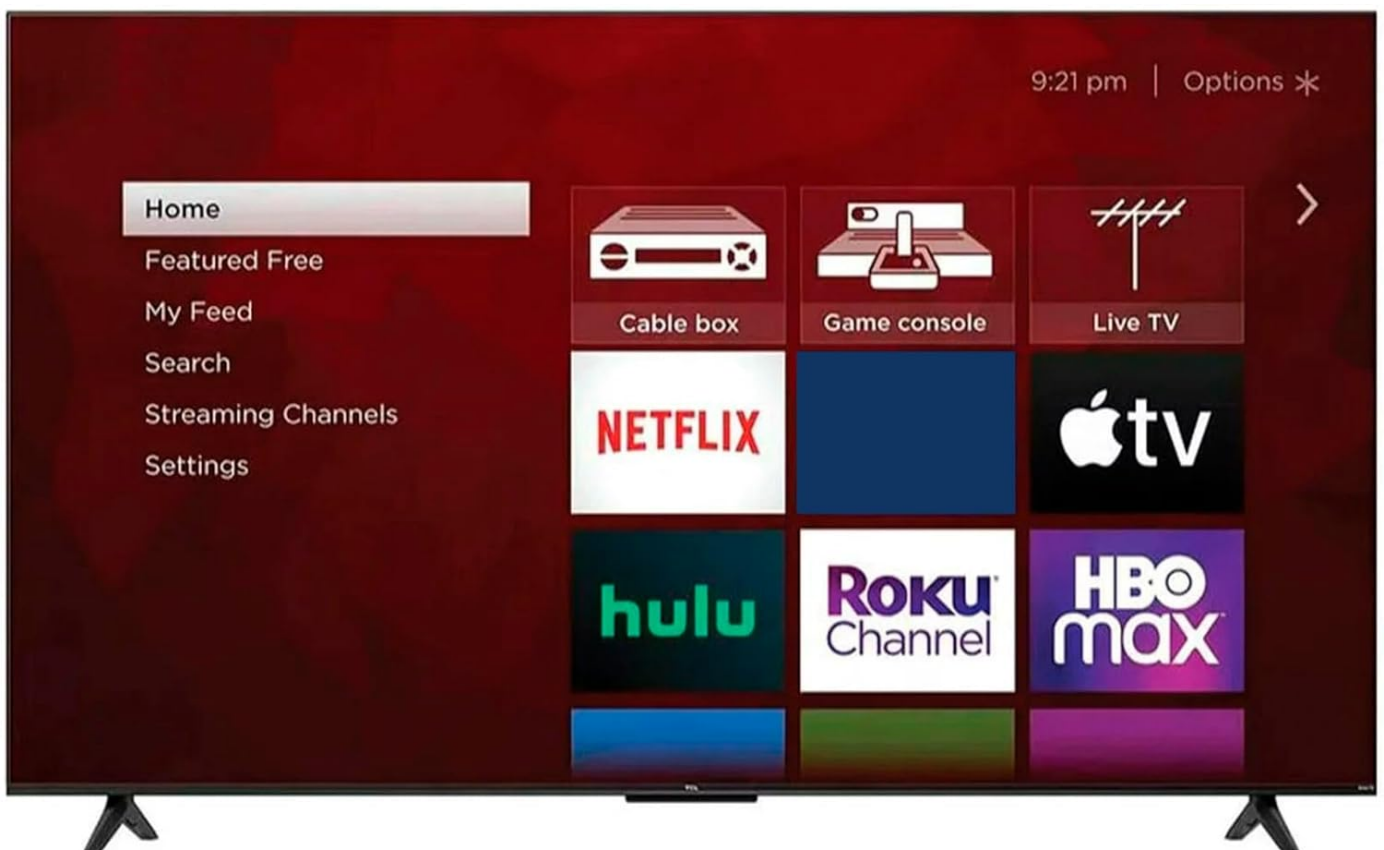
## TCL 55S451

# TCL 55" Class 4-Series 4K UHD HDR LED Smart Roku TV User Manual

Model: 55S451

## 1. INTRODUCTION

Welcome to the user manual for your new TCL 55" Class 4-Series 4K UHD HDR LED Smart Roku TV. This television combines stunning 4K Ultra High Definition picture quality with High Dynamic Range (HDR) technology, offering an immersive viewing experience. Powered by the intuitive Roku OS, it provides access to thousands of streaming channels, live TV, and smart features like voice control and AirPlay. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your TV to ensure you get the most out of its advanced capabilities.



## 2. SETUP

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### 2.1 Unpacking and Preparation

Carefully remove the TV from its packaging. Ensure all components are present: TV unit, remote control, two 'AAA' batteries, and stand components. Place the TV face down on a soft, clean surface to prevent screen damage during assembly.

### 2.2 Stand Installation

If using the included stand, align the TV stands with the screw holes on the bottom of the TV. Secure each stand using the provided M4 x 25 screws (4 screws total). Ensure the stands are firmly attached before placing the TV upright.



Figure 2.1: TCL Roku TV with Stand

### 2.3 Wall Mounting

The TCL 55S451 TV is VESA compatible with a 200mm x 200mm pattern and requires M6 x 12 screws. A wall mount is not included. Refer to your wall mount's instructions for proper installation. Ensure adequate ventilation around the TV when wall-mounted.



Figure 2.2: Rear View with Mounting Points

## 2.4 Connecting Devices

Your TV features multiple input options:

- **HDMI Inputs:** 4 ports (1 eARC) for connecting devices like Blu-ray players, game consoles, or cable boxes.
- **Composite Audio/Video Input:** 1 port for older devices.
- **Digital Optical Audio Output:** 1 port for connecting to soundbars or audio receivers.
- **Headphone Jack:** 1 port for private listening.
- **RF Antenna Input:** 1 port for connecting an antenna for over-the-air channels.
- **USB 2.0:** 1 port for media playback (Video: MPEG4 Xvid, H.264, H.265, VC1, VP9; Audio: AAC, MP3, FLAC; Photo: JPEG, PNG, BMP).
- **Ethernet Port:** For wired network connection.

## 2.5 Initial Power On and Network Setup

After connecting all desired devices and power, plug in the TV. Follow the on-screen instructions to complete the initial setup, including connecting to your home Wi-Fi network (Dual-band 802.11ac 2x2, supports 2.4GHz & 5GHz) or using the Ethernet port. This step is crucial for accessing Roku's smart features and streaming content.

# 3. OPERATING YOUR TCL ROKU TV

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## 3.1 Roku TV Interface

The Roku TV home screen provides a simple, customizable interface. Your favorite streaming channels, inputs, and live

TV options are all accessible from one central location. Navigate using the directional pad on your remote control.

### 3.2 Streaming Channels

Access thousands of streaming channels, including popular services like Netflix, Hulu, Prime Video, Disney+, and more. You can browse the Streaming Store to add new channels. The TV also offers free TV, live news, sports, and movies.

### 3.3 Voice Control

The TV supports easy voice control and works with Siri, Alexa, and Hey Google. Use voice commands to search for movies and TV shows, launch and change channels, or switch inputs.

### 3.4 Remote Control

The included RC280 remote control is easy to use and features shortcuts to popular channels. It requires two 'AAA' batteries. For private listening, you can use the free Roku mobile app on your smartphone to route TV audio to headphones connected to your mobile device.

### 3.5 AirPlay

Share videos, photos, and music directly from your Apple device to the TV using AirPlay.

## 4. FEATURES

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- **Stunning 4K UHD Picture Quality:** Experience incredible detail and clarity with 3840 x 2160 resolution.
- **High Dynamic Range (HDR) Technology:** Supports HDR10 and HLG for enhanced contrast, brightness, and color accuracy.
- **Thousands of Streaming Channels:** Access a vast library of content through the integrated Roku OS.
- **Easy Voice Control:** Compatible with Siri, Alexa, and Hey Google for convenient operation.
- **AirPlay Support:** Seamlessly cast content from your Apple devices.
- **Simple, Customizable Home Screen:** Organize your favorite apps and inputs for quick access.
- **Advanced Digital TV Tuner:** Includes Live TV Channel Guide for antenna users.
- **FullView Edge-to-Edge Glass Design:** A sleek and modern aesthetic.
- **Private Listening:** Available via the free Roku mobile app.
- **Automatic Software Updates:** Ensures your TV always has the latest features and improvements.
- **Seamless Integration with Alto Sound Bars:** Roku TV Ready for enhanced audio.
- **Dual-band WiFi & Ethernet Port:** Flexible and reliable network connectivity.
- **Multiple HDMI Inputs:** Four HDMI inputs (one with eARC) for versatile connectivity.
- **Premium Audio:** Features Dolby Digital Plus with 10W + 10W output.





Figure 4.1: Slim Profile of the TCL Roku TV

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your TCL Roku TV, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, slightly dampen the cloth with water or a screen-specific cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Cleaning the Body:** Use a soft, dry cloth to clean the TV's frame and stand.
- **Ventilation:** Ensure the ventilation openings on the back of the TV are not blocked to prevent overheating.
- **Software Updates:** The TV receives automatic software updates. Ensure your TV is connected to the internet to receive these updates, which improve performance and add new features.
- **Power Management:** Unplug the TV from the power outlet during lightning storms or when it will be left unattended for long periods.

## 6. TROUBLESHOOTING

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

- **No Picture / Black Screen:**  
Check if the TV is powered on and the power cable is securely connected. Ensure the correct input source is selected. Try power cycling the TV by unplugging it from the wall for 60 seconds, then plugging it back in.
- **No Sound or Distorted Sound:**  
Verify the volume is not muted or set too low. Check audio cable connections to external sound systems. If using internal speakers, ensure they are selected in the audio settings. Some users have reported intermittent sound issues or a 'loud whine'; try restarting the TV or checking for software updates.
- **Network Connection Issues:**  
Go to *Settings > Network > Check connection* to diagnose network problems. Ensure your Wi-Fi router is working correctly and within range. Try restarting your router and the TV. For a more stable connection, consider using an Ethernet cable.
- **Remote Control Not Responding:**  
Replace the 'AAA' batteries in the remote. Ensure there are no obstructions between the remote and the TV's IR sensor.
- **Apps Not Loading or Crashing:**  
Ensure your TV's software is up to date. Try restarting the TV. If the issue persists with a specific app, try removing and reinstalling the app from the Roku Streaming Store.

For persistent issues not covered here, please refer to the support section or contact TCL customer service.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	TCL
Model Number	55S451
Screen Size	55 Inches (54.6" Viewable Display Size)
Display Technology	LED
Resolution	4K UHD (3840 x 2160)
Refresh Rate	60 Hz

Feature	Detail
HDR Format	HDR10, HLG
Smart Platform	Roku TV
Audio Output Power	10W + 10W
Premium Audio	Dolby Digital Plus
HDMI Inputs	4 (1 eARC)
USB Ports	1 (USB 2.0)
Wireless Connection	802.11ac 2x2 Dual Band (2.4GHz & 5GHz)
Ethernet Port	Yes
Product Dimensions (WxHxD) with Stand	48.3" x 29.8" x 10.1"
Product Weight with Stand	22.5 lbs
VESA Wall Mount Pattern	200mm x 200mm
VESA Screw Size	M6 x 12

## 8. WARRANTY AND SUPPORT

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Your TCL 55" Class 4-Series 4K UHD HDR LED Smart Roku TV comes with a **1-year limited warranty**. For warranty claims, technical assistance, or further support, please contact TCL customer service. Keep your proof of purchase for warranty validation.