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› [TCL 98-Inch S5 Series 4K LED Smart TV \(98S550G\) Instruction Manual](#)

TCL 98S550G

TCL 98-Inch S5 Series 4K LED Smart TV (98S550G) Instruction Manual

Model: 98S550G

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your TCL 98-Inch Class S5 4K LED Smart TV (Model: 98S550G). Please read all instructions carefully before using the television and retain this manual for future reference. This television offers a 4K Ultra HD display, a 120Hz panel refresh rate, Motion Rate 480 with MEMC Frame Insertion, Wide Color Gamut, High Brightness Direct LED Backlight, HDR ULTRA (Dolby Vision IQ, HDR10+, HDR10, & HLG), TCL AIPQ Engine™ with Deep Learning AI, Auto Game Mode (ALLM) with AMD FreeSync Premium Pro, Game Accelerator 240, and DTS Virtual:X audio technology.

WHAT'S IN THE BOX

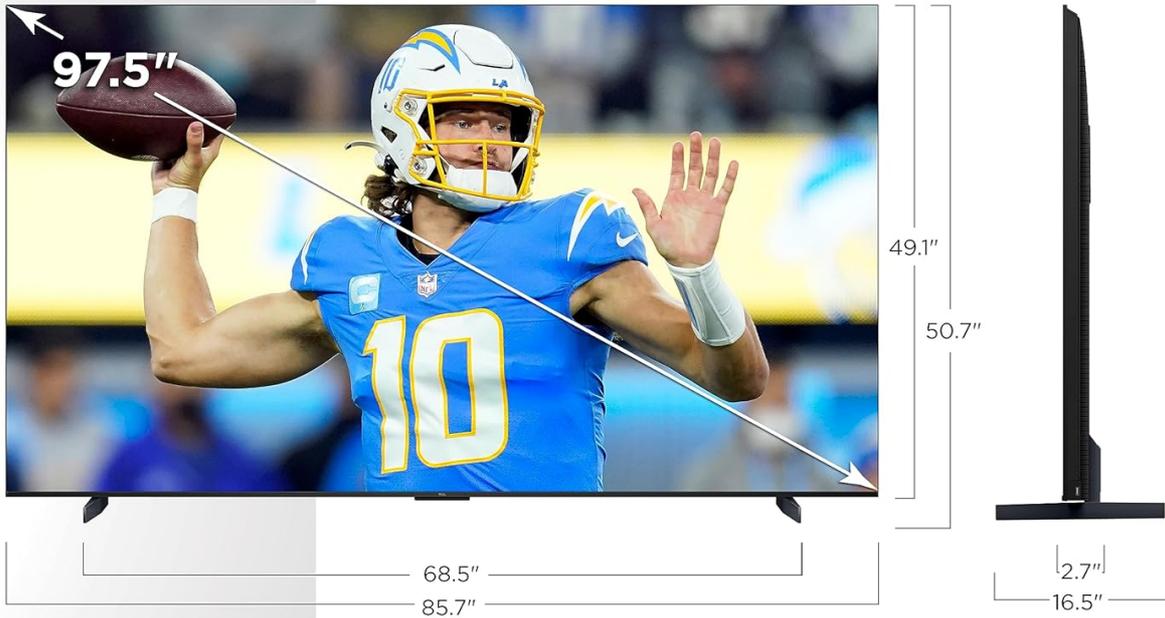
Verify that all components are present upon unpacking your new television:

- TCL TV with Google TV
- TV Stands
- Power Cable
- TV Remote + Batteries
- Quick Start Guide

TCL

98" Class (97.5" diag.)

98S550G



Dimensions:

TV with Stand:
85.7" x 50.7" x 16.5"

TV without Stand:
85.7" x 49.1" x 2.7"

What's in the Box:

- TCL TV with Google TV
- TV Stands
- Power Cable
- TV Remote + Batteries
- Quick Start Guide

*Features and specifications subject to change.
*Actual remote has pre-set channel buttons.
Channels can vary by country.

Figure 1: Package Contents and TV Dimensions. This image illustrates the physical dimensions of the TCL 98S550G TV with and without its stand, along with a list of items included in the box: TCL TV with Google TV, TV Stands, Power Cable, TV Remote + Batteries, and a Quick Start Guide.

SETUP

Attaching the TV Stands

1. Carefully place the TV screen-down on a soft, flat surface to prevent damage.
2. Align each stand with the corresponding screw holes on the bottom of the TV.
3. Secure the stands using the provided screws. Ensure they are firmly attached.

Connecting Power

1. Connect the power cable to the TV's power input.
2. Plug the other end of the power cable into a suitable electrical outlet.

Initial Setup and Network Connection

1. Turn on the TV using the remote control or the power button on the TV.
2. Follow the on-screen instructions to select your language, region, and connect to your Wi-Fi network.
3. Sign in with your Google Account to access Google TV features, personalized recommendations, and voice control.

FEATURES

- **4K Ultra HD Resolution:** Experience incredible detail with four times the resolution of 1080p Full HDTVs.
- **120Hz Panel Refresh Rate:** Enjoy smooth, blur-free viewing for action-packed movies, fast-paced video games, and live sports.
- **Motion Rate 480 with MEMC Frame Insertion:** Combines multiple motion enhancement technologies for best-in-class motion clarity.
- **Wide Color Gamut:** Enjoy richer colors than standard 4K UHD TVs for images that truly come to life.
- **High Brightness Direct LED Backlight:** Produces brighter images for an enhanced viewing experience.
- **HDR ULTRA (Dolby Vision IQ, HDR10+, HDR10, & HLG):** Enhanced contrast, accurate colors, and fine details utilizing advanced HDR formats.
- **TCL AIPQ Engine™ with Deep Learning AI:** Powerful, 3rd-generation advanced processor optimizes color, contrast, and clarity for an unrivaled 4K HDR experience.
- **Auto Game Mode (ALLM) with AMD FreeSync Premium Pro:** Automatically enables game mode for the lowest possible input lag and latency.
- **Game Accelerator 240:** Up to blistering fast 240 VRR for more responsive gameplay without lag.
- **DTS Virtual:X:** Advanced audio post-processing for immersive 3D sound from TV speakers.

4K Ultra HD Resolution



Figure 2: The TCL 98S550G displaying a vibrant 4K Ultra HD image, highlighting its superior resolution.

120Hz Panel Refresh Rate



Figure 3: A visual comparison demonstrating the smoothness of a 120Hz panel refresh rate versus a 60Hz panel, ideal for fast-moving content.

Motion Rate 480

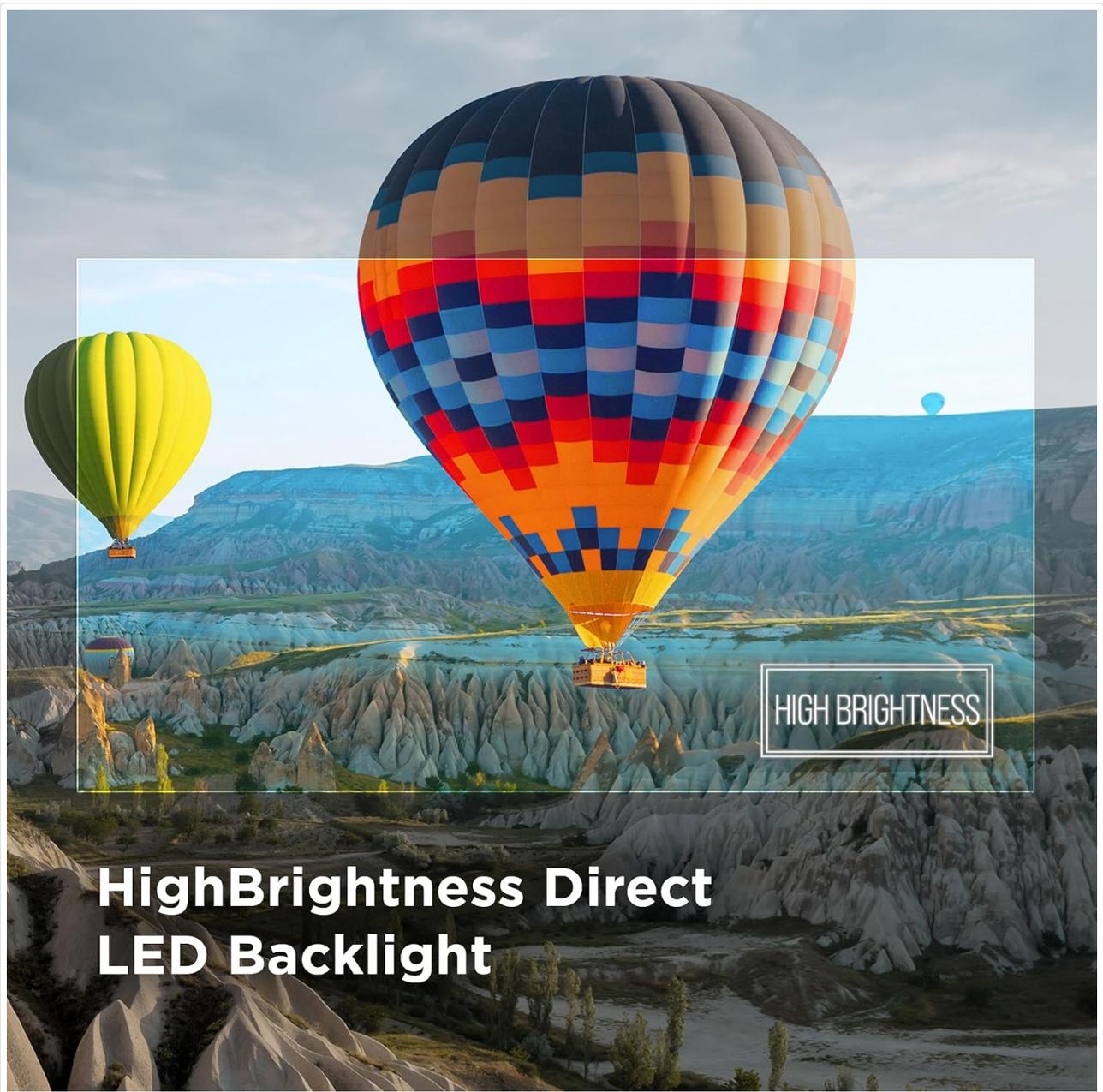


Figure 4: An image showcasing the clarity of motion with Motion Rate 480, featuring a motocross rider in sharp focus.

Wide Color Gamut



Figure 5: A side-by-side comparison illustrating the expanded color range of Wide Color Gamut, showing more vibrant and lifelike scenery.



HighBrightness Direct LED Backlight

Figure 6: Hot air balloons over a landscape, demonstrating the enhanced brightness provided by the High Brightness Direct LED Backlight.



HDR Ultra (Dolby Vision IQ,
HDR10+, HDR10, & HLG)

Figure 7: A stunning landscape displayed on the TCL 98S550G, showcasing the deep contrast and vibrant colors achieved with HDR ULTRA technology.



Figure 8: A close-up of the AIPQ Engine chip, representing the advanced processor that optimizes picture quality using Deep Learning AI.

Auto Game Mode (ALLM) with AMD FreeSync Premium Pro



Figure 9: The TCL 98S550G displaying a scene from 'Call of Duty: Modern Warfare II', illustrating the benefits of Auto Game Mode for optimized gaming performance.

OPERATING INSTRUCTIONS

Using the Remote Control

The included remote control provides full functionality for navigating your TV. It features dedicated buttons for popular streaming services like Netflix, Prime Video, YouTube, and more. The remote also supports voice commands via Google Assistant.

Google TV Interface

Your TCL S5 Series TV runs on Google TV, offering a personalized and intuitive interface. The home screen provides quick access to your favorite apps, personalized content recommendations, and live TV options. You can also sign in with your Google Account for a tailored experience.

Voice Control

Utilize the built-in Google Assistant for hands-free control. Simply press the voice assistant button on your remote and speak your commands to search for content, control smart home devices, or get information.

GAMING FEATURES

The TCL 98S550G is designed to enhance your gaming experience with several advanced features:

- **Auto Game Mode (ALLM):** Automatically detects when a gaming console is connected and switches to a low-latency mode for a more responsive experience.
- **AMD FreeSync Premium Pro:** Reduces screen tearing and stuttering for fluid gameplay.
- **Game Accelerator 240:** Supports up to 240 VRR (Variable Refresh Rate) for ultra-smooth motion and reduced input lag.

AUDIO FEATURES

Experience rich and immersive sound with the following audio technologies:

- **DTS Virtual:X:** Provides an immersive 3D audio experience directly from the TV's built-in speakers.
- **Dolby Atmos:** Delivers multi-dimensional sound that moves around you, creating a captivating audio environment.

DISPLAY TECHNOLOGY

The TCL 98S550G incorporates cutting-edge display technologies for exceptional picture quality:

- **4K UHD:** Four times the pixels of Full HD for stunning clarity and detail.
- **120Hz Panel Refresh Rate:** Ensures smooth motion, crucial for fast-paced content.
- **HDR ULTRA (Dolby Vision IQ, HDR10+, HDR10, & HLG):** Supports a wide range of High Dynamic Range formats for superior contrast, brightness, and color accuracy.
- **TCL AIPQ Engine™:** Utilizes Deep Learning AI to intelligently optimize picture elements like color, contrast, and clarity in real-time.

MAINTENANCE

Cleaning the Screen

- Always turn off the TV and unplug the power cord before cleaning.
- Use a soft, lint-free cloth (microfiber is recommended) to gently wipe the screen.
- For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner. Never spray cleaner directly onto the screen.
- Avoid using abrasive cleaners, alcohol, benzene, or thinners, as these can damage the screen.

Cleaning the TV Body

- Wipe the TV body with a soft, dry cloth.
- Do not use any liquid cleaners on the TV body.

TROUBLESHOOTING

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

- **No Power:** Ensure the power cord is securely plugged into both the TV and the electrical outlet. Check if the outlet is working by plugging in another device.
- **No Picture/Sound:** Verify that the correct input source is selected. Check all cable connections (HDMI, antenna, etc.).
- **Poor Picture Quality:** Adjust picture settings (brightness, contrast, sharpness). Ensure your content source is high-quality (e.g., 4K content for 4K display).
- **Remote Control Not Working:** Check the batteries and ensure there are no obstructions between the remote and the TV's IR sensor.
- **Network Connection Issues:** Restart your router and modem. Re-establish the Wi-Fi connection in the TV's settings.

For more detailed troubleshooting, consult the full user manual or contact TCL customer support.

SPECIFICATIONS

Feature	Specification
Brand	TCL
Model Number	98S550G
Screen Size	98 Inches
Display Technology	LED
Resolution	4K Ultra HD
Refresh Rate	120 Hz
Operating System	Google TV
Special Features	Flat, Dolby Vision, HDR10+, HDR10, HLG, Dolby Atmos, DTS Virtual:X, Google Assistant, Works with Alexa
Connectivity Technology	Bluetooth, Ethernet, HDMI, RF, USB
Product Dimensions	2.7"D x 85.7"W x 49.1"H
Item Weight	120.2 Pounds

OFFICIAL PRODUCT VIDEO

Video 1: TCL S5 98" Ultimate Big Screen TV. This video provides an overview of the TCL S5 98-inch TV, highlighting its key features and immersive viewing experience.

WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official TCL support website. For technical assistance, troubleshooting, or service requests, please contact TCL customer support through their website or the contact information provided in your Quick Start Guide.