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› [TCL](#) /

› TCL 55C645 4K Ultra HD Smart QLED Google TV User Manual

TCL 55C645

TCL 55C645 4K Ultra HD Smart QLED Google TV

Model: 55C645 | Brand: TCL

INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your TCL 55C645 4K Ultra HD Smart QLED Google TV. Please read this manual thoroughly before using the television to ensure proper and safe operation.

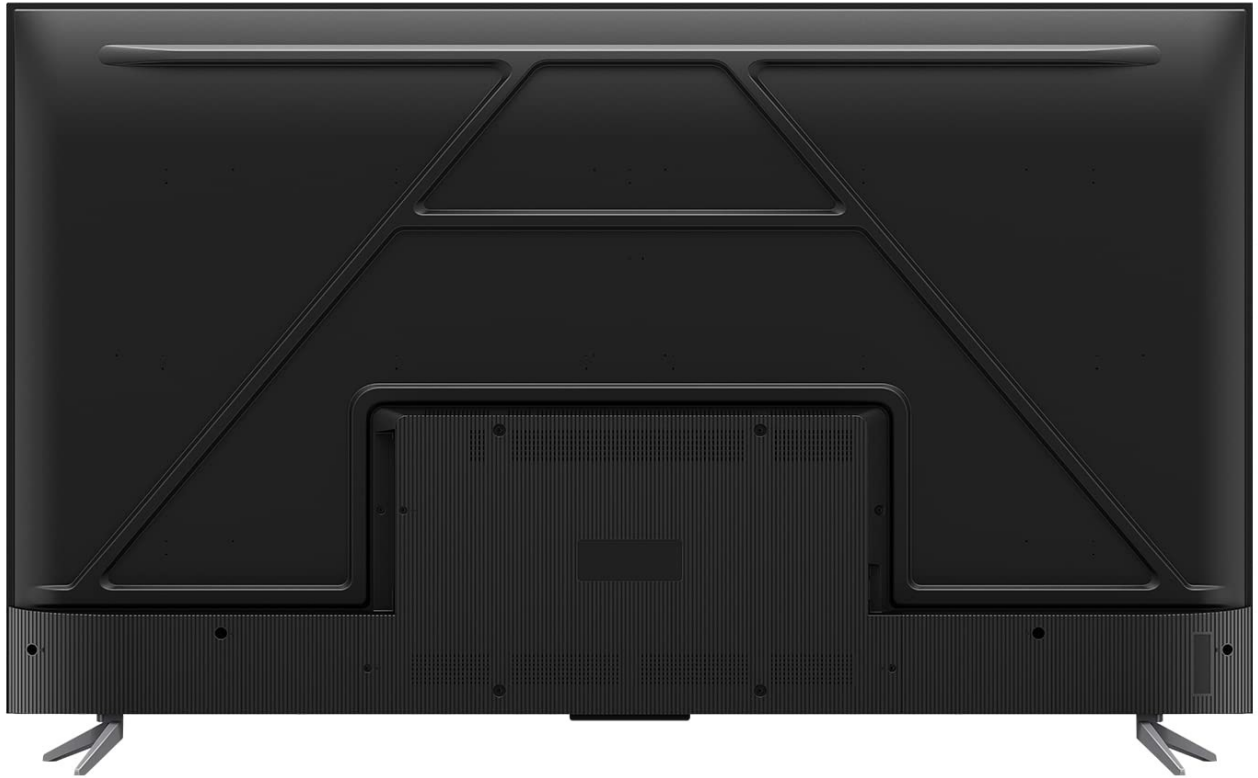


Front view of the TCL 55C645 QLED Google TV, highlighting its slim design and vibrant display.

WHAT'S IN THE BOX

Upon unboxing your TCL 55C645 TV, please verify that all the following components are included:

- 1 x TCL 55C645 LED TV
- 1 x Table Top Stand (set)
- 1 x User Manual
- 1 x Remote Control
- 2 x AAA Batteries (for remote control)
- 1 x Wall Mount (bracket and screws)



Rear view of the TCL 55C645 TV, showing the mounting points and stand attachment areas.

SETUP GUIDE

Step 1: Choose Placement

Decide whether to use the included table-top stand or a wall mount. Ensure the chosen location is stable, well-ventilated, and away from direct sunlight or heat sources.

Step 2: Attach Stand or Wall Mount

If using the table-top stand, carefully attach the stand components to the bottom of the TV using the provided screws. If wall-mounting, follow the instructions provided with the wall mount kit. It is recommended to have two people for safe installation.

Step 3: Connect Peripherals

Connect your external devices such as cable boxes, gaming consoles, or sound systems to the appropriate ports on the TV. Refer to the 'Connectivity' section for port details.



Side view of the TCL 55C645 TV illustrating the various input and output ports available for connecting external devices.

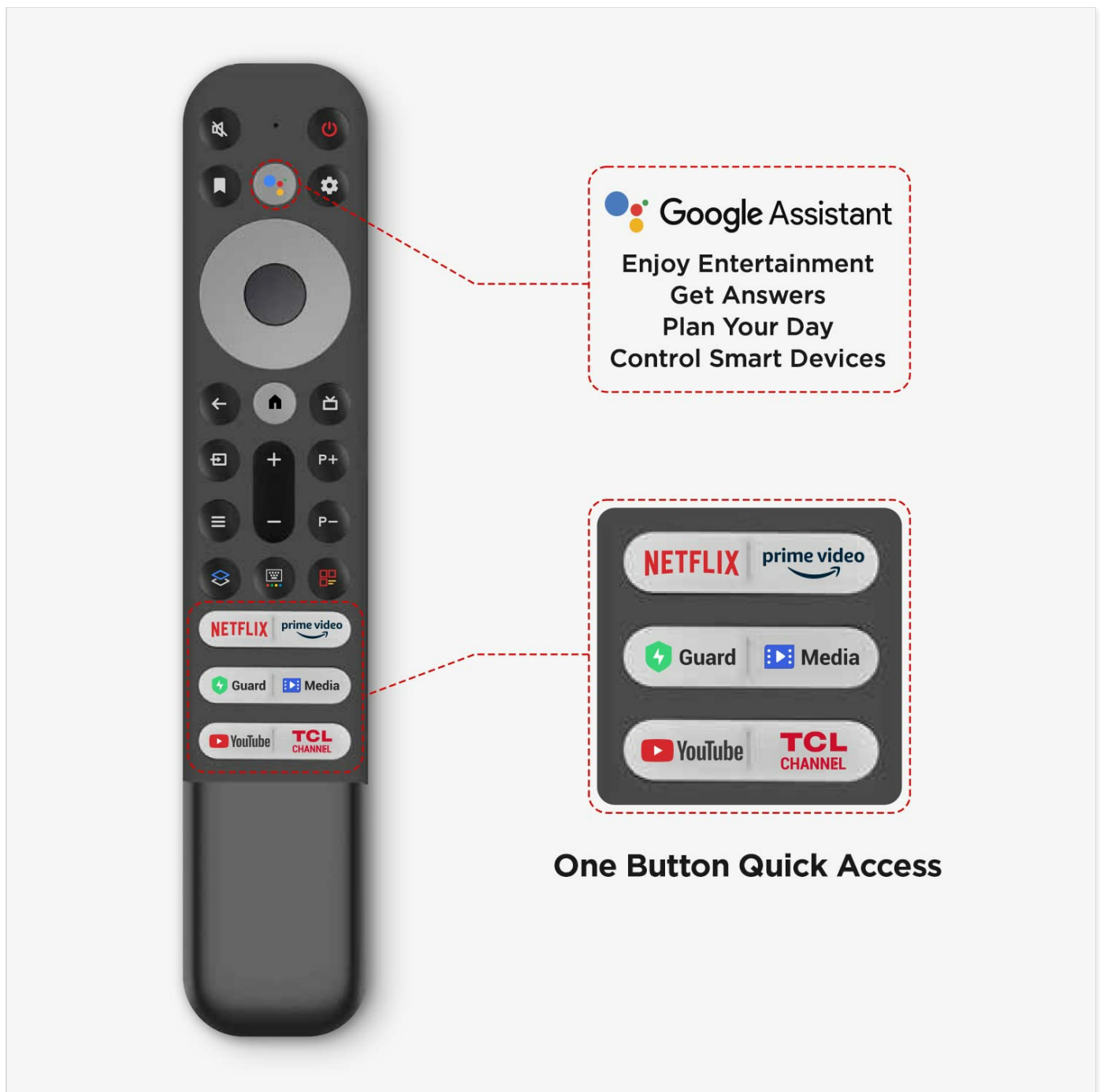
Step 4: Power On and Initial Setup

Plug the power cord into an electrical outlet. Press the power button on the TV or remote control. Follow the on-screen instructions to complete the initial setup, including network connection, language selection, and Google account sign-in.

OPERATING INSTRUCTIONS

Remote Control Functions

The smart remote control provides quick access to various functions and streaming services. Insert the two AAA batteries into the remote control, ensuring correct polarity.



 **Google Assistant**
Enjoy Entertainment
Get Answers
Plan Your Day
Control Smart Devices

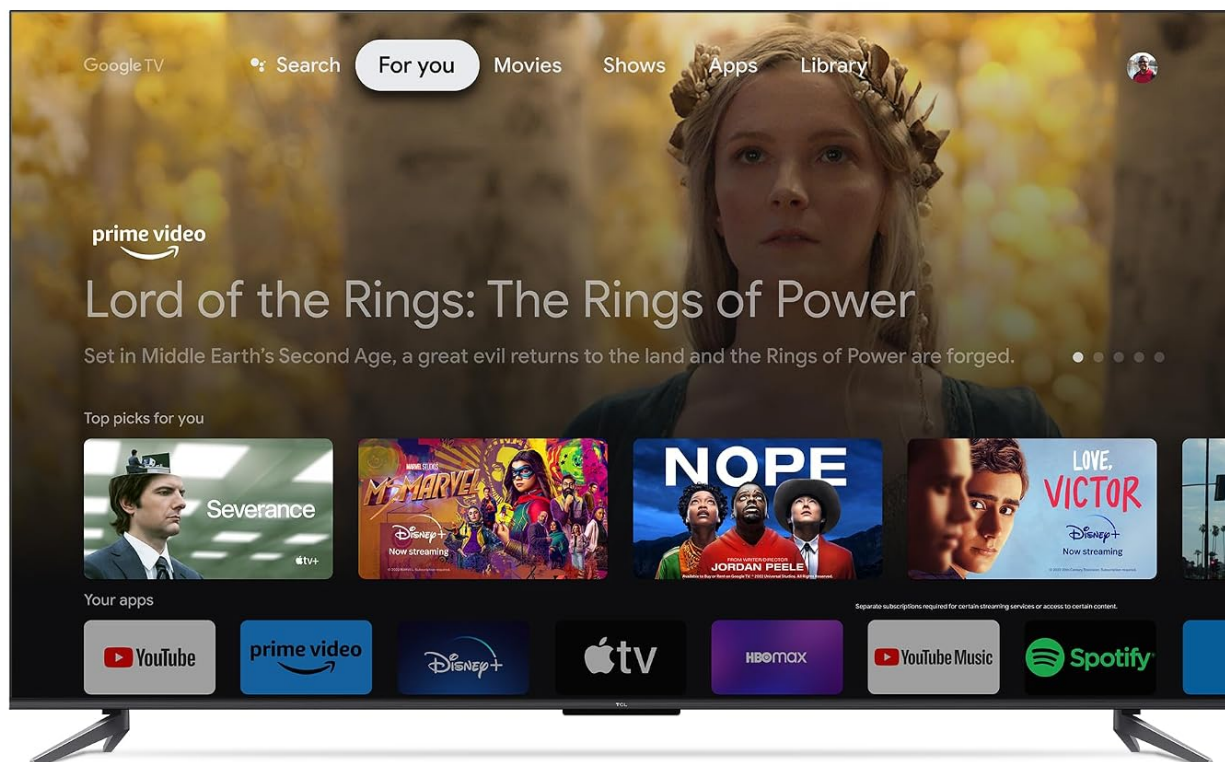


One Button Quick Access

Detailed view of the TCL 55C645 smart remote control, showing dedicated buttons for popular streaming services and Google Assistant.

Google TV Interface

Your TV runs on Google TV, offering a personalized content experience. Navigate using the remote's directional pad and select options with the 'OK' button. Use the voice control feature by pressing the dedicated button on the remote and speaking commands.



Google TV



AND MORE...

Screenshot of the TCL 55C645's Google TV home screen, displaying various streaming applications and content recommendations.

Hands-Free Voice Control

The TV supports hands-free voice control. Simply say "Hey Google" or "Ok Google" followed by your command to control the TV, search for content, or get information.

FEATURES

The TCL 55C645 is equipped with advanced features for an enhanced viewing and gaming experience:

- **4K Google TV + HDR 10+:** Delivers stunning picture quality with vibrant colors and incredible detail.
- **AI-IN:** Integrated AI for smart home connectivity and personalized recommendations.
- **T-cast:** Allows casting content from your mobile device to the TV.
- **Works with Alexa:** Compatible with Amazon Alexa for voice control.
- **Game Master 2.0:** Optimizes settings for a smoother gaming experience.
- **Dolby Atmos:** Provides immersive, room-filling audio.

- **120Hz Game Accelerator:** Enhances motion clarity for gaming.
- **AMD FreeSync:** Reduces screen tearing and stuttering in games.
- **AiPQ Engine 3.0:** Advanced image processing for optimized picture quality.

HDR 10+ Display

Experience superior contrast and color accuracy with HDR 10+ technology, revealing details in both bright and dark scenes.



Visual comparison demonstrating the enhanced detail and dynamic range provided by HDR 10+ on the TCL 55C645 TV.

Gaming Performance

The 120Hz Game Accelerator and AMD FreeSync technologies ensure a fluid and responsive gaming experience, minimizing input lag and visual artifacts.

*120Hz Game
Accelerator*

Great gaming experience



Graphic illustrating the 120Hz Game Accelerator feature, designed to provide a smoother gaming experience on the TCL 55C645 TV.

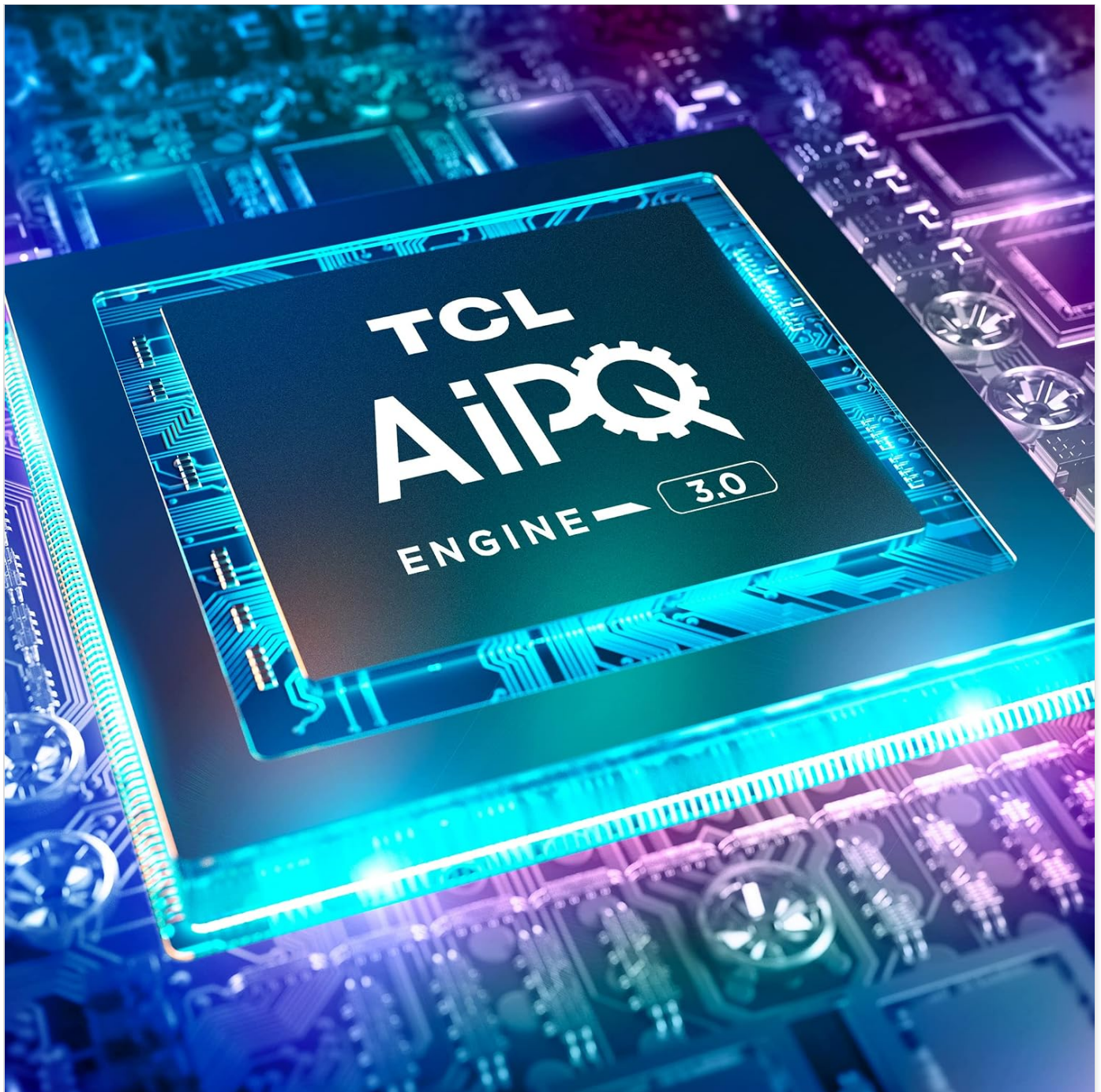
AMD
FreeSync



Image depicting the AMD FreeSync technology, which helps eliminate screen tearing and stuttering for fluid gameplay on the TCL 55C645 TV.

AiPQ Engine 3.0

The AiPQ Engine 3.0 intelligently processes image data, optimizing color, contrast, and clarity in real-time for a superior visual output.



Close-up illustration of the TCL AiPQ Engine 3.0 chip, representing its role in advanced image processing.

CONNECTIVITY

The TCL 55C645 offers a variety of ports for connecting your devices:

- **HDMI 2.1:** Multiple ports for high-definition audio and video input, supporting advanced gaming features.
- **USB:** For connecting USB storage devices to play media or update firmware.
- **LAN (Ethernet):** For a stable wired internet connection.
- **Wi-Fi:** Built-in wireless connectivity for internet access.
- **AV IN (Adapter):** For connecting older devices with composite video and stereo audio outputs.
- **Headphone (Audio Out):** For connecting headphones or external audio systems.
- **Optical (Audio Out):** For high-quality digital audio output to soundbars or home theater systems.
- **Cable/ANT:** For connecting an antenna or cable TV signal.

SPECIFICATIONS

Key technical specifications for the TCL 55C645 TV:

Feature	Specification
Screen Size	55 Inches (139 cm)
Display Technology	QLED
Resolution	4K (3840 x 2160 Pixels)
Refresh Rate	60 Hz (Native), 120Hz Game Accelerator
Operating System	Google TV
RAM Memory	2 GB
Storage Capacity	16 GB
Audio Output Power	56 Watts
Speaker Configuration	Dolby Atmos
Connectivity	Ethernet, HDMI, USB, Wi-Fi
Product Dimensions (LxWxH)	8.1 x 122.6 x 76.6 cm
Item Weight	11.1 kg
Power Consumption (On-mode)	190 Watts
Viewing Angle	178 Degrees

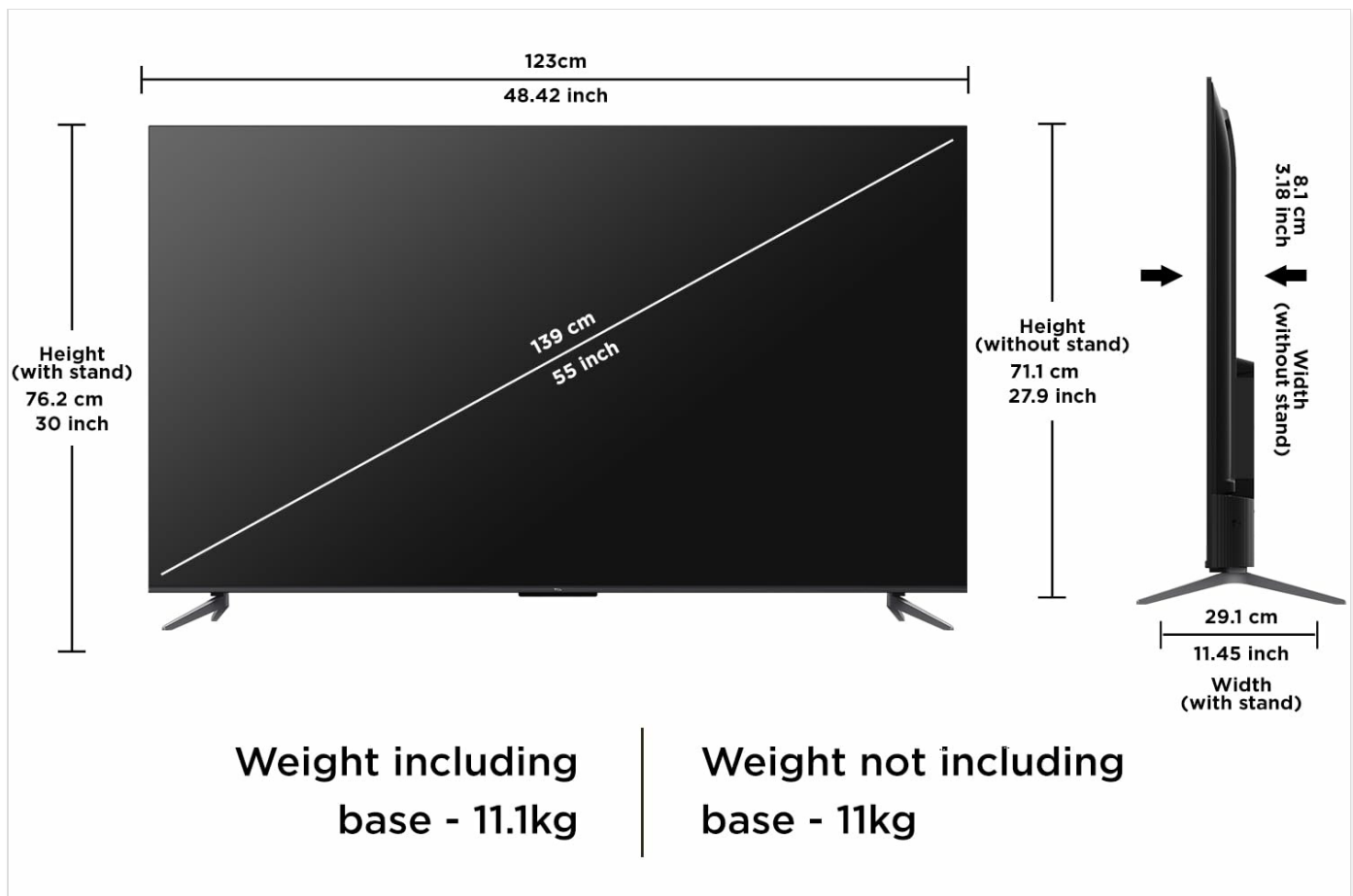


Diagram illustrating the physical dimensions and weight of the TCL 55C645 TV, both with and without the stand.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your TCL TV.

Cleaning the Screen

- Always unplug the TV before cleaning.
- Use a soft, lint-free cloth, slightly dampened with water or a specialized screen cleaner.
- Do not spray liquid directly onto the screen.
- Avoid using abrasive cleaners, waxes, or solvents.

Cleaning the Cabinet

- Wipe the cabinet with a soft, dry cloth.
- Do not use any liquid or spray cleaners on the cabinet.

Ventilation

- Ensure adequate space around the TV for proper ventilation to prevent overheating.
- Do not block ventilation openings with items like newspapers, tablecloths, or curtains.

TROUBLESHOOTING

This section addresses common issues you might encounter with your TCL 55C645 TV.

Problem	Possible Solution
No Power	Check if the power cord is securely plugged into the TV and the electrical outlet. Try a different outlet.
No Picture, But Sound is Present	Check the input source. Ensure external devices are properly connected and powered on. Adjust brightness/contrast settings.
No Sound, But Picture is Present	Check volume level and mute status. Ensure audio cables are correctly connected. Check TV audio output settings.
Remote Control Not Working	Replace batteries. Ensure no obstructions between remote and TV's IR sensor. Try pairing the remote again if it's a Bluetooth remote.
Wi-Fi Connection Issues	Restart your router and TV. Check Wi-Fi password. Ensure TV is within range of the router. Try a wired Ethernet connection.
Apps are Slow or Crashing	Clear app cache/data in TV settings. Ensure TV firmware is up to date. Restart the TV.

If the issue persists after trying these solutions, please contact TCL customer support.

WARRANTY AND SUPPORT

Your TCL 55C645 TV comes with a standard warranty. Please refer to the warranty card included with your product for specific terms and conditions, including the warranty period and coverage details.

Customer Support

For technical assistance, service requests, or further inquiries, please contact TCL customer support. You can find contact information on the TCL official website or in the warranty documentation.

Online resources such as FAQs and troubleshooting guides may also be available on the TCL support website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question