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TCL 55QM7K

TCL QM7K Series QD-Mini LED 4K UHD Google Smart TV User Manual

Model: 55QM7K

1. Introduction

Welcome to the user manual for your new TCL QM7K Series QD-Mini LED 4K UHD Google Smart TV. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your television. Please read this manual thoroughly before using your TV to ensure proper operation and to maximize your viewing experience.



Front view of the TCL QM7K Series TV, showcasing its sleek design and vibrant display.

2. Safety Information

Always observe the following safety precautions when operating your television:

- Do not block ventilation openings.
- Do not place the TV near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel.

3. Package Contents

Before proceeding with the setup, please verify that all items are included in the package:

- TCL TV with Google TV
- Power Cable
- TV Remote + Batteries (2 AAA batteries included)
- TV Stand
- Quick Start Guide
- User Manual (this document)



Diagram showing the TV dimensions and a list of included accessories.

4. Setup

4.1 Physical Setup (Stand or Wall Mount)

Your TCL QM7K TV can be set up on its included stand or mounted on a wall (wall mount sold separately). Ensure the TV is placed on a stable, level surface if using the stand, or securely mounted to a wall according to the wall mount manufacturer's instructions.



Close-up of the TV stand for the TCL QM7K Series.

4.2 Connecting Devices

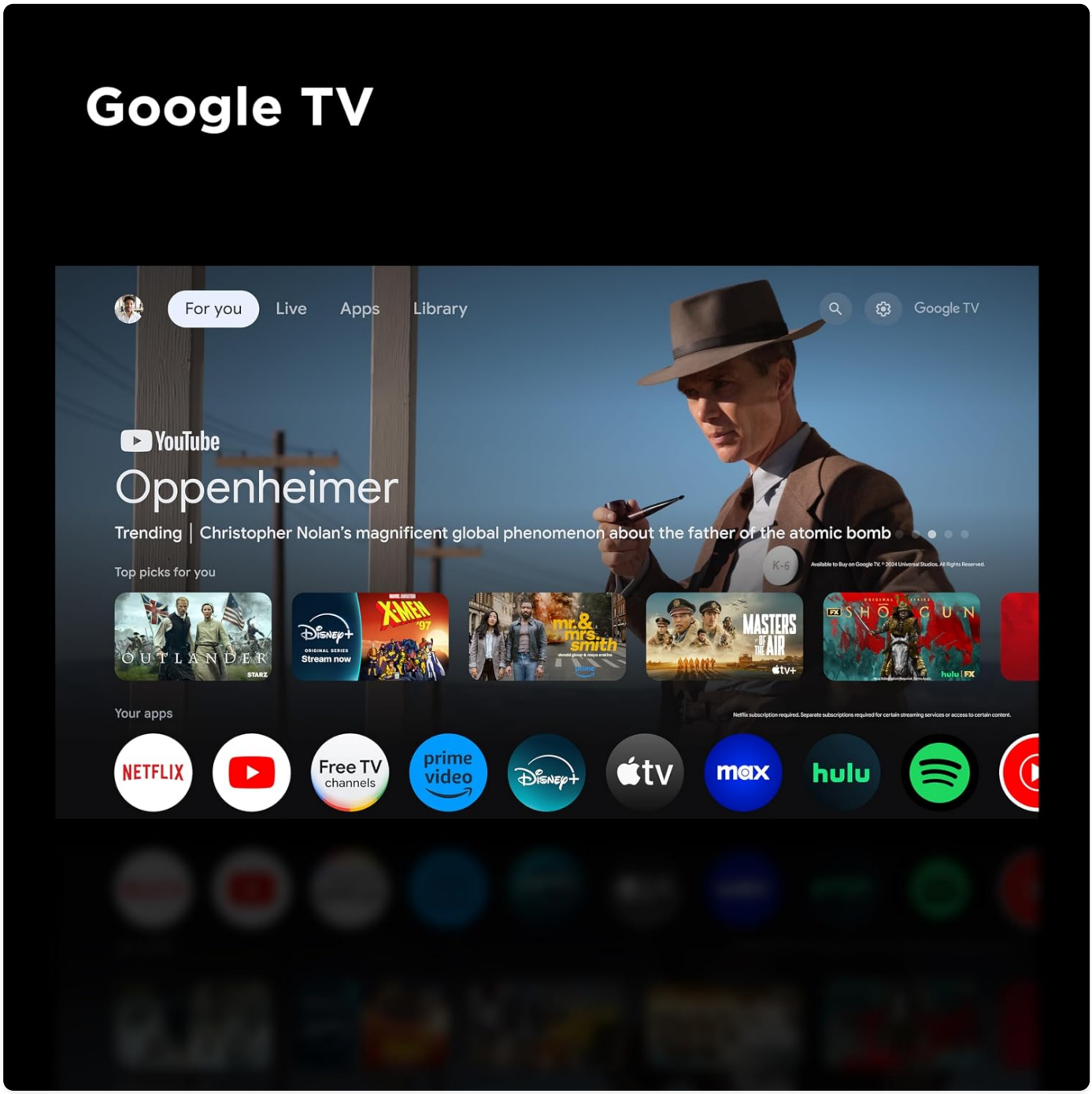
Connect your external devices such as cable boxes, gaming consoles, or Blu-ray players to the TV's HDMI ports. The TV also features USB, Ethernet, and RF connectivity.



Detailed view of the input and output ports on the side of the TCL QM7K Series TV.

4.3 Initial Power On and Google TV Setup

After connecting all necessary cables, plug in the power cord. The TV will guide you through the initial setup process, including connecting to Wi-Fi, signing into your Google account, and setting up live TV channels if applicable.



Screenshot of the Google TV home screen, showing various streaming app icons and content recommendations.

5. Operating Your TV

5.1 Basic Operation and Remote Control

Use the included remote control to navigate the Google TV interface. The remote features backlit buttons for ease of use in low-light conditions and supports voice commands for hands-free control.

5.2 Picture Settings and Technologies

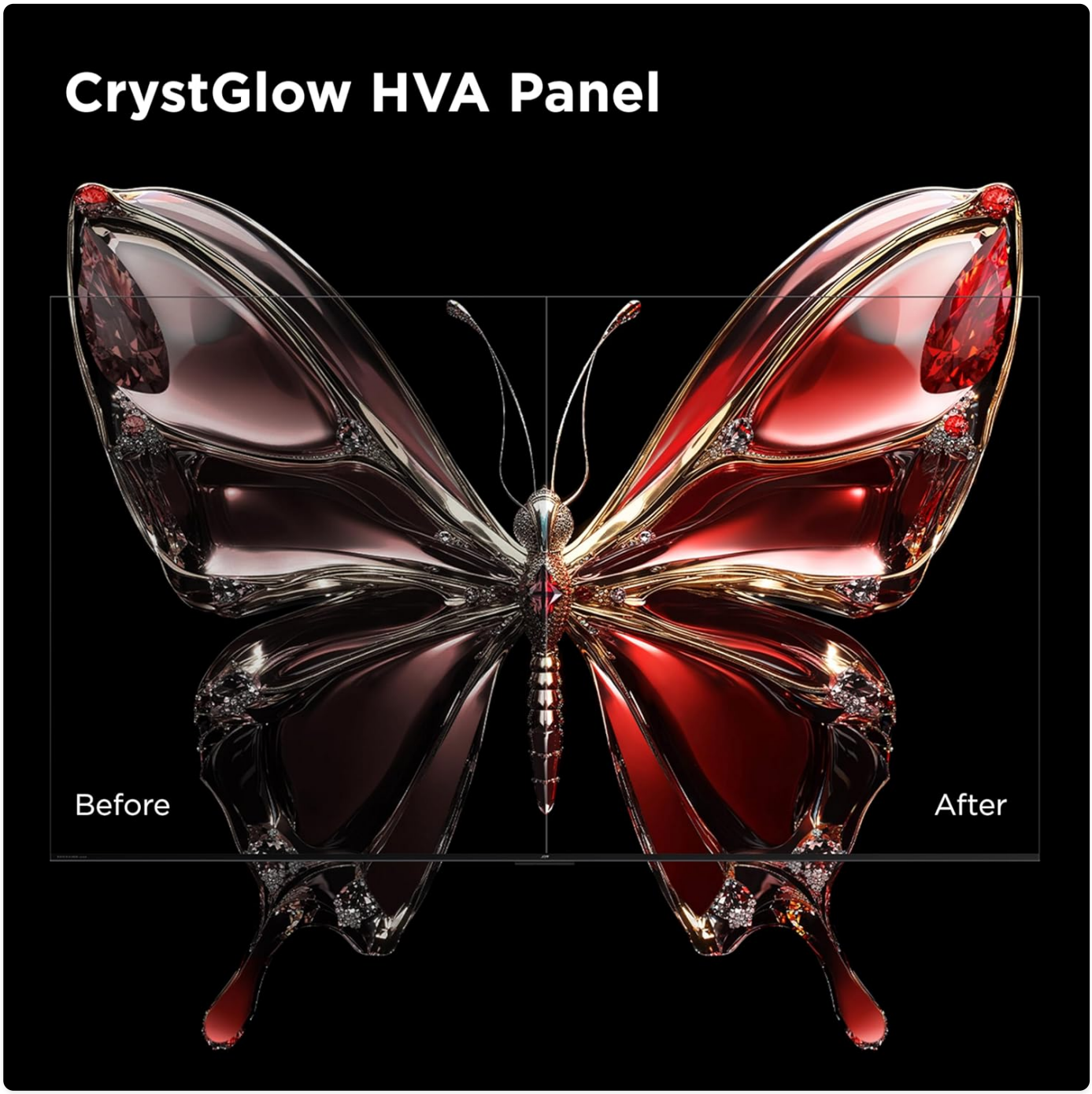
The QM7K Series features advanced picture technologies for an optimal viewing experience:

- **QD-Mini LED:** Combines QLED and Mini-LED for precise, pixel-level lighting.
- **TCL HALO Control System:** Advanced suite including Super High Energy LED Microchip, Super Condensed Micro Lens, Micro-OD Reduced Optical Distance, and Dynamic Light Algorithm for stunning, halo-free images.

- **LD2500 Precise Dimming:** Up to 2500 precisely controlled local dimming zones for pure black levels.
- **HDR 2600 Nits:** High peak brightness for exceptional HDR content.
- **CrystGlow HVA Panel:** Anti-reflective coating and ultra-wide viewing angle for clear images in bright rooms.
- **Enhanced QLED:** New quantum crystal material for up to 97% DCI-P3 color gamut.
- **144Hz Native Refresh Rate:** Provides ultra-smooth motion for fast-paced content.
- **AiPQ Pro Processor:** AI-controlled contrast, color, clarity, motion, and upscaling.
- **Filmmaker Mode:** Preserves the creative intent of the filmmaker by adjusting post-processing features.



Illustration of QD-Mini LED technology with high zone dimming for enhanced contrast.



Comparison showing the effect of the CrystGlow HVA Panel on reducing reflections.

5.3 Audio Settings and Features

Experience immersive sound with the following audio technologies:

- **Audio by Bang & Olufsen:** Premium sound experiences.
- **Dolby Atmos Audio:** Advanced spatial audio processing for movies, TV shows, and games.
- **DTS Virtual:X:** Advanced audio post-processing for immersive 3D sound from TV speakers.



Image depicting sound waves emanating from the TV, highlighting Bang & Olufsen audio.

5.4 Gaming Features

The QM7K Series is designed for an enhanced gaming experience:

- **Game Accelerator 240:** Provides blistering fast 240 VRR for lag-free gaming.
- **Auto Game Mode (ALLM) with AMD FreeSync Premium Pro:**Automatically enables game mode for lowest input lag and latency.

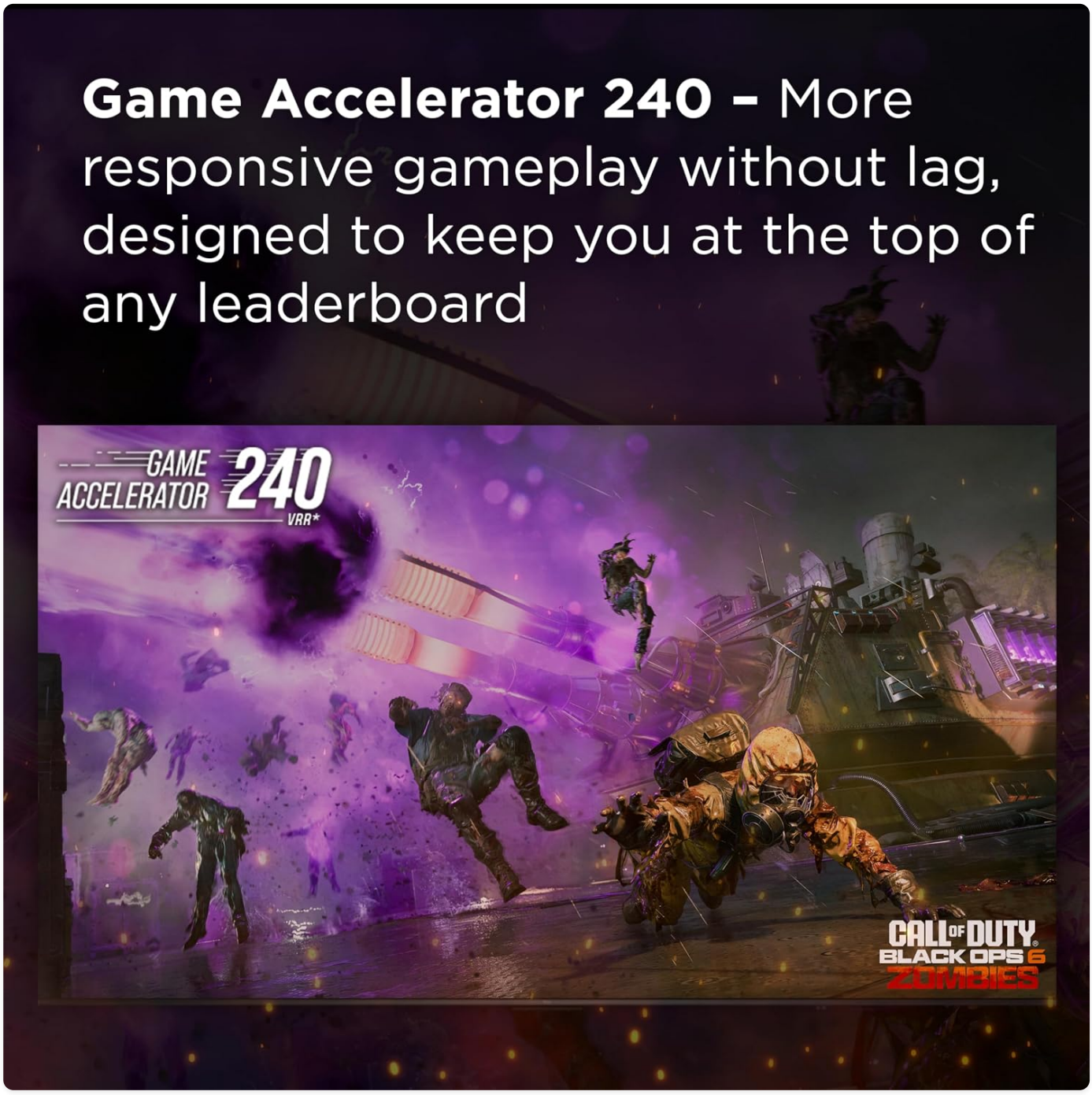


Image illustrating the Game Accelerator 240 feature with a scene from a video game.

6. Maintenance

To ensure the longevity and optimal performance of your TCL QM7K TV, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner. Never spray liquid directly onto the screen.
- **Cleaning the Cabinet:** Use a soft, dry cloth to clean the TV cabinet. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings on the back of the TV are not blocked to prevent overheating.
- **Power Cord:** Regularly check the power cord for any damage. If damaged, replace it immediately with an approved cord.
- **Storage:** If storing the TV for an extended period, unplug it and cover it to protect from dust.

7. Troubleshooting

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

Problem	Possible Cause / Solution
No Power	Check if the power cord is securely plugged into the TV and the wall outlet. Test the outlet with another device.
No Picture, but Sound is Present	Ensure the correct input source is selected. Check cable connections to external devices.
No Sound, but Picture is Present	Check volume level and mute settings. Verify audio cable connections. If using external audio, ensure it's properly configured.
Remote Control Not Working	Replace batteries. Ensure there are no obstructions between the remote and the TV's IR sensor.
Wi-Fi Connection Issues	Restart your router and modem. Re-enter Wi-Fi password. Ensure TV is within range of the Wi-Fi signal.
TV Randomly Turns On/Off	Check for scheduled timers in settings. Disable any external device control features (e.g., HDMI CEC). Perform a factory reset if the issue persists.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact TCL Customer Support.

8. Specifications

Feature	Detail
Model Number	55QM7K
Screen Size	55 Inches (54.6" diagonal)
Display Technology	QLED, Mini LED, 4K UHD
Resolution	4K (3840 x 2160)
Refresh Rate	144 Hz Native, 240 Hz VRR (Game Accelerator)
Peak Brightness	HDR 2600 Nits
Dimming Zones	Up to LD2500 Precise Dimming Zones
Audio Output	40 Watts, Audio by Bang & Olufsen, Dolby Atmos, DTS Virtual:X
Operating System	Google TV
Connectivity	Wi-Fi, RF, USB, Ethernet, HDMI

Feature	Detail
Dimensions (with stand)	48.3" W x 29.9" H x 10.6" D
Dimensions (without stand)	48.3" W x 28.0" H x 2.2" D
Item Weight	32 Pounds
Included Batteries	2 AAA batteries (for remote)

9. Warranty and Support

TCL provides a limited warranty for its televisions. Please refer to the warranty card included with your product for specific terms and conditions. For technical support, service, or warranty claims, please contact TCL Customer Support through their official website or the contact information provided in your Quick Start Guide.
Optional protection plans are available for extended coverage:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly billing option)

These plans offer additional peace of mind beyond the standard manufacturer's warranty.

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