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› TCL 98-Inch Class QM7K Series QD-Mini LED 4K UHD Google Smart TV User Manual

TCL 98QM7K

TCL 98-Inch Class QM7K Series QD-Mini LED 4K UHD Google Smart TV User Manual

Model: 98QM7K

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your TCL 98-Inch Class QM7K Series QD-Mini LED 4K UHD Google Smart TV. Please read this manual thoroughly before using your television to ensure proper functionality and safety.



Front view of the TCL 98-Inch Class QM7K Series TV, showcasing its large display and sleek design.

PACKAGE CONTENTS AND DIMENSIONS

Before beginning the setup process, verify that all components are present and inspect them for any damage. The package should contain the following items:

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



Diagram illustrating the dimensions of the TCL 98-Inch QM7K Series TV with and without its stand, alongside a list of included accessories.

The TV dimensions are approximately 85.8 inches (W) x 50.6 inches (H) x 2.4 inches (D) without the stand, and 85.8 inches (W) x 50.6 inches (H) x 16.5 inches (D) with the stand. The screen diagonal is 98 inches (97.5 inches actual diagonal).

SETUP

1. Stand Installation

Carefully place the TV screen-down on a soft, flat surface to prevent damage. Attach the provided TV stands to the designated slots on the bottom of the television using the included screws. Ensure the stands are securely fastened.

2. Wall Mounting (Optional)

For wall mounting, refer to the instructions provided with your specific wall mount kit. The TCL QM7K Series features a seamless wall mounting design with side-facing ports for easy access and a slim profile against the wall.



Illustration of the TV's seamless wall mounting capability and integrated cable management for a clean setup.

3. Connecting Peripherals

Connect your external devices such as cable boxes, gaming consoles, or sound systems to the appropriate ports on the TV. The TV supports Ethernet, HDMI, RF, USB, and Wi-Fi connectivity.



Close-up view of the side-mounted connectivity ports on the TCL QM7K Series TV, including HDMI, USB, and Ethernet.

4. Initial Power-On and Google TV Setup

Plug the power cable into the TV and a power outlet. Press the power button on the remote control. Follow the on-screen instructions to complete the initial setup, including connecting to your Wi-Fi network and logging into your Google account for Google TV features.

OPERATING INSTRUCTIONS

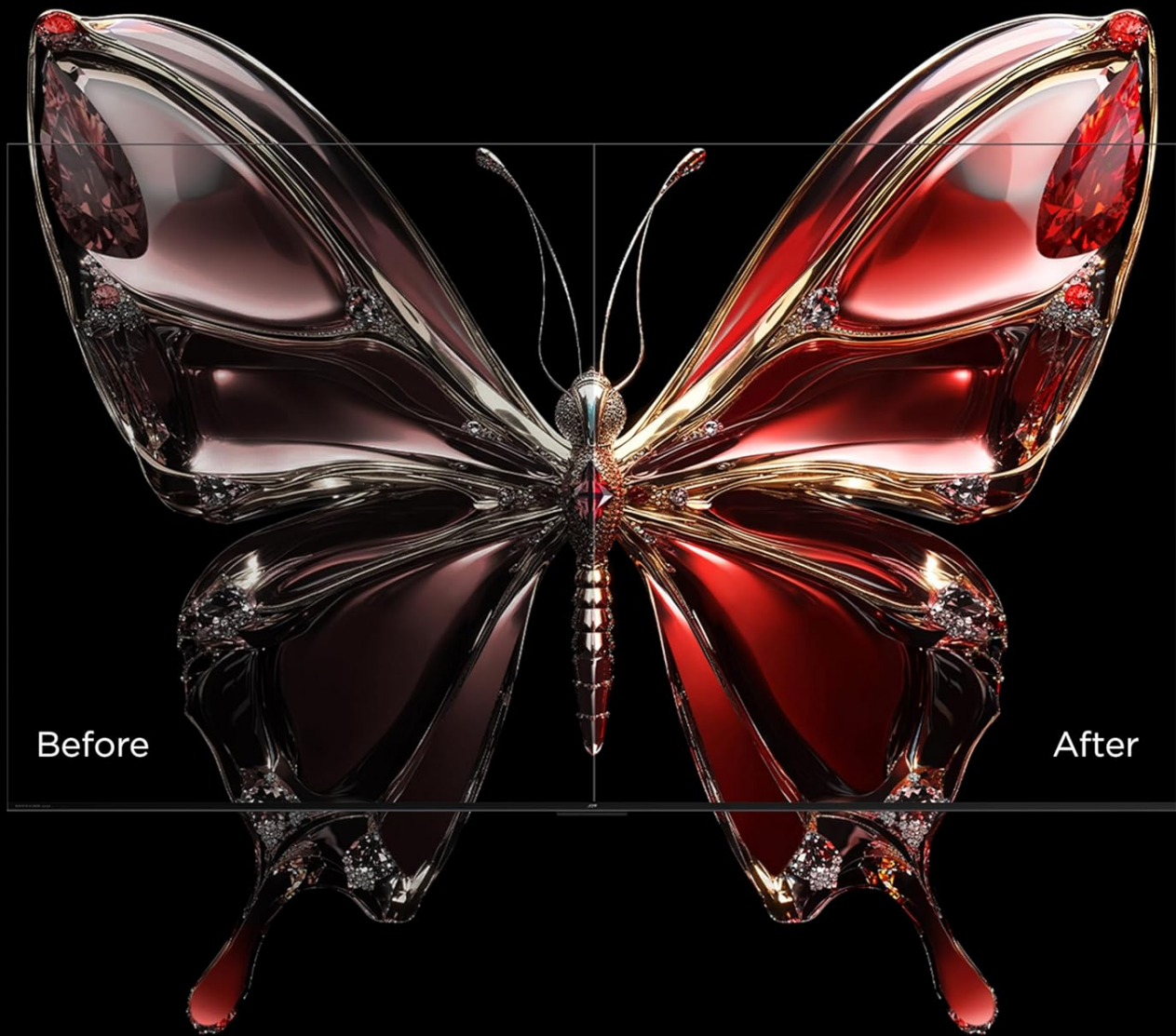
Basic Operation

- **Power On/Off:** Press the power button on the remote control or the TV.
- **Input Selection:** Use the "Input" button on the remote to switch between connected devices (HDMI 1, HDMI 2, etc.).
- **Volume Control:** Use the Volume Up/Down buttons.
- **Channel Navigation:** Use the Channel Up/Down buttons for broadcast TV.

Google TV Smart OS

Your TCL QM7K TV runs on Google TV, providing access to a vast library of streaming apps, movies, and shows. The intuitive interface allows for easy content discovery based on your viewing habits and interests.

CrystGlow HVA Panel



The Google TV home screen displaying various streaming applications and content recommendations.

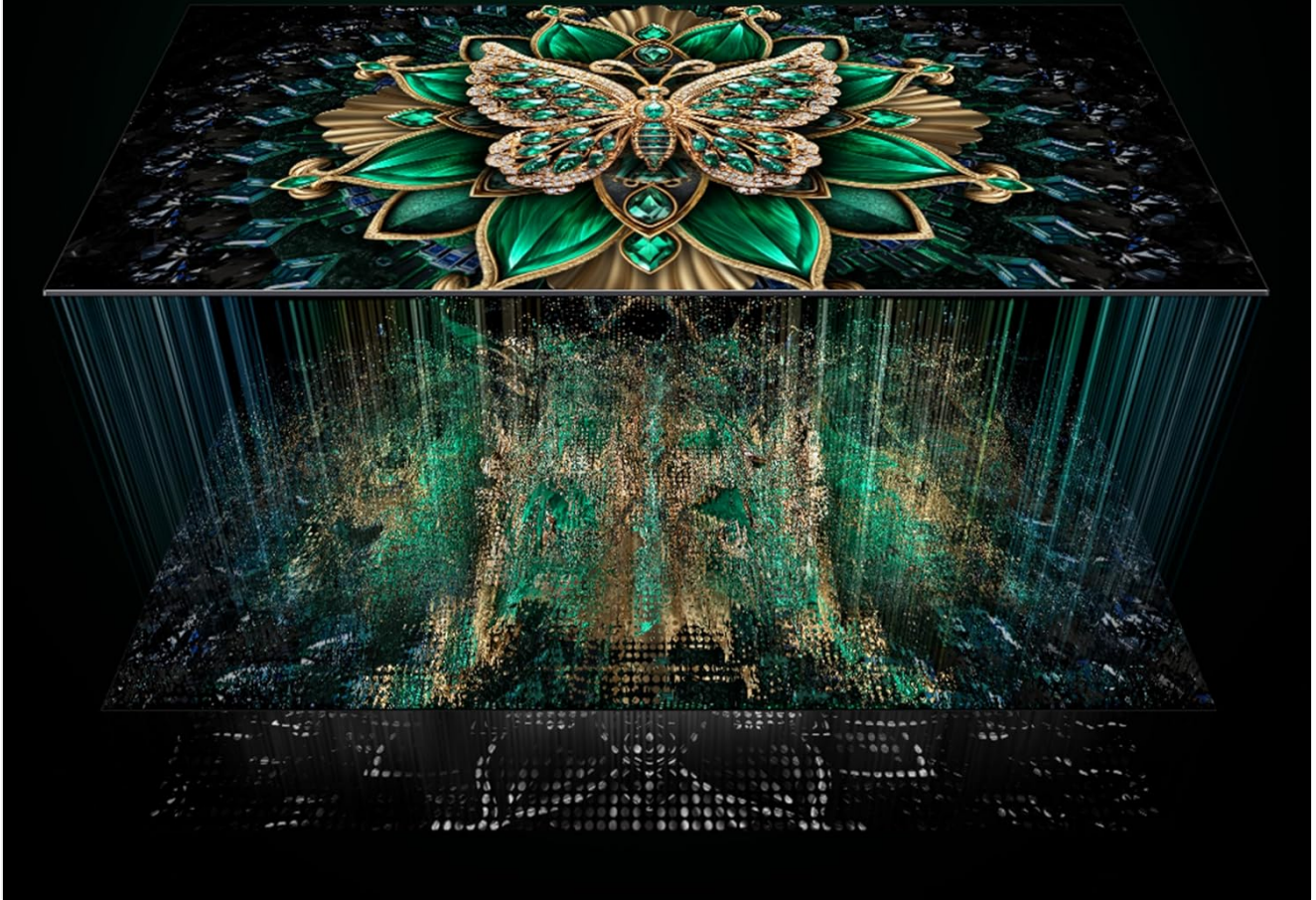
- **Voice Control:** Use the built-in Google Assistant for hands-free voice commands. The remote also features a backlit voice control button for convenience in low-light conditions.
- **App Access:** Navigate to the "Apps" section to browse and launch your favorite streaming services.

Picture Settings and Technologies

The TCL QM7K Series incorporates advanced display technologies for an exceptional viewing experience:

- **QD-Mini LED:** Combines QLED and Mini-LED technologies for precise, pixel-level lighting control and stunning contrast.

QD-Mini LED - High Zone Dimming for Stunning Contrast



Visual representation of QD-Mini LED technology, showing high zone dimming for enhanced contrast.

- **TCL Halo Control System:** An advanced suite including Super High Energy LED Microchip, Super Condensed Micro Lens, Micro-OD Reduced Optical Distance, High Contrast HVA Panel, Enhanced QLED, Zero Delay Transient Response, Bi-direction 23-bit Backlight Controller, and Dynamic Light Algorithm for "Halo-Free" images.

New Halo Control System

HVA Panel Technology

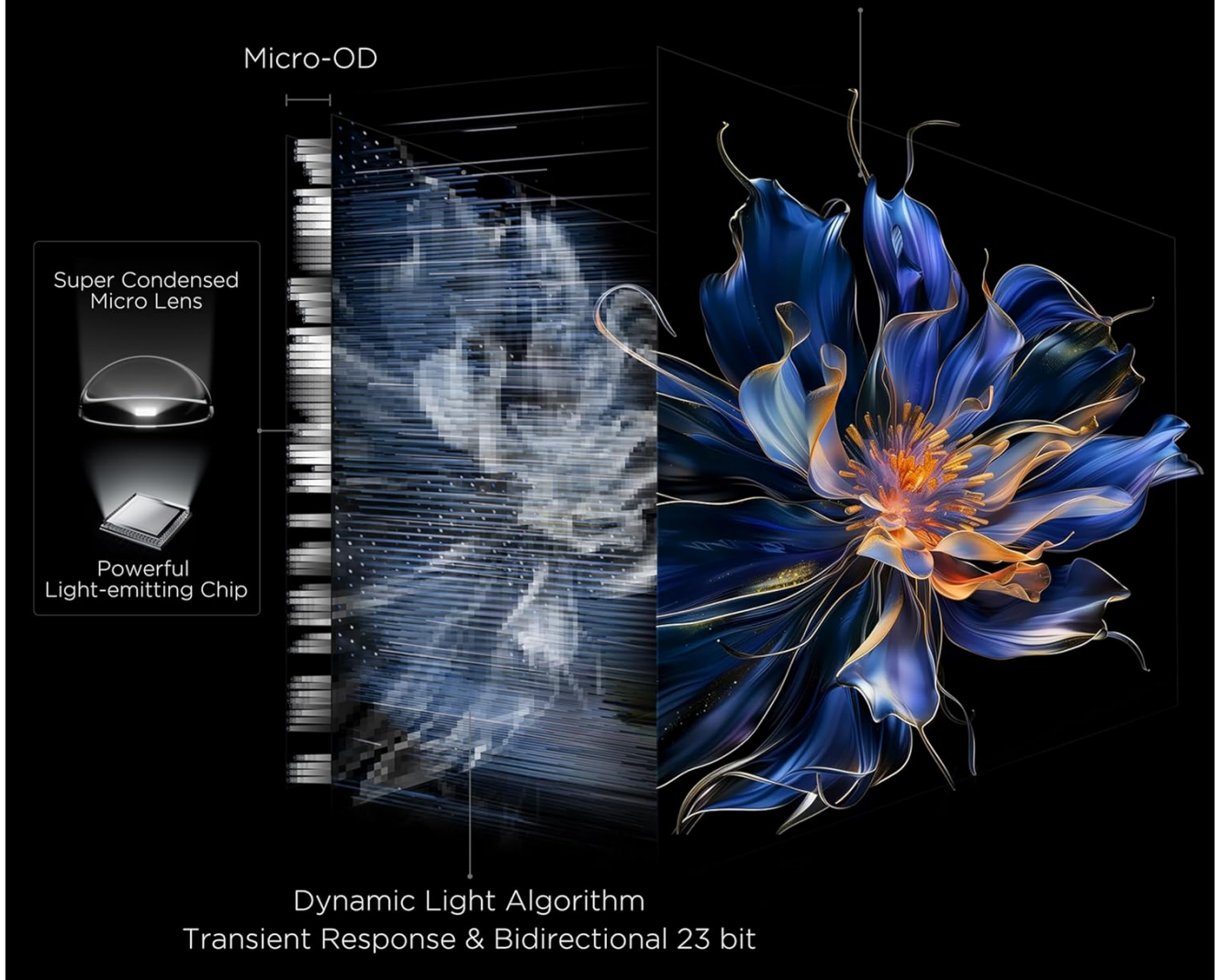


Diagram illustrating the components of the TCL Halo Control System, including Micro-OD and Dynamic Light Algorithm.

- **LD2500 Precise Dimming Series:** Offers up to 2500 precisely controlled local dimming zones for pure black levels.
- **HDR 3000 Nits:** Provides high peak brightness for excellent picture quality in various lighting conditions.

Dynamic Light Algorithm



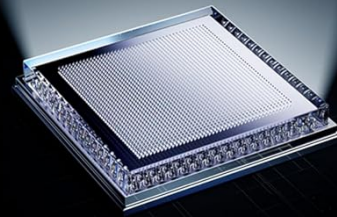
Comparison showing the enhanced brightness and detail with HDR 3000 Nits compared to conventional HDR.

- **CrystGlow HVA Panel:** An anti-reflective coating that ensures crisp and visible image details even in bright rooms, with ultra-wide viewing angles.

Super High Energy LED Microchip



Conventional Light-emitting Chip



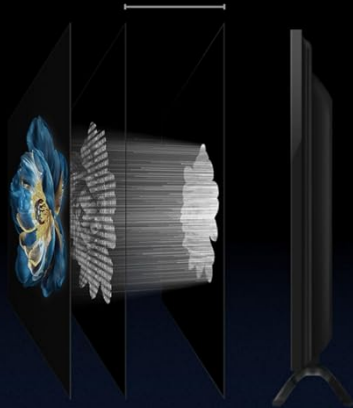
Powerful Light-emitting Chip

Visual demonstration of the CrystGlow HVA Panel's anti-reflective properties, showing improved clarity.

- **Enhanced QLED:** Features new, more vibrant quantum crystals for up to 97% of DCI-P3 Color Gamut.
- **AIPQ Pro Processor:** Utilizes AI to dynamically control picture clarity, contrast, color, motion, upscaling, and backlighting.

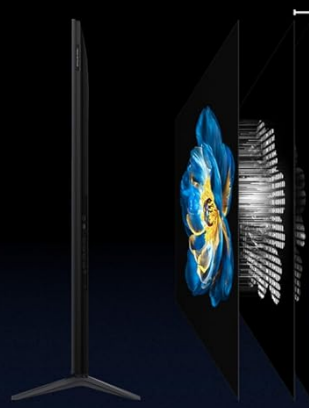
Micro-OD

Standard OD



Body thickness > 70mm

Micro OD



Body thickness < 60mm



Severe Halo



No Halo

Detailed illustration of the AIPQ Pro Processor chip, highlighting its role in image processing.

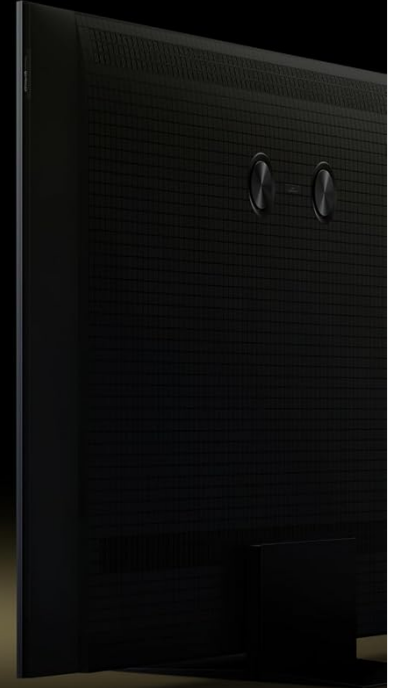
- **Filmmaker Mode:** A special picture mode that preserves the creative intent of the filmmaker by adjusting post-processing features, color, contrast, and brightness.

Audio Settings and Features

Experience immersive sound with the following audio technologies:

- **Audio by Bang & Olufsen:** Delivers elevated sound experiences.

Ultra Slim Design



Visual representation of sound waves emanating from the TV, indicating the Bang & Olufsen audio experience.

- **Dolby Atmos Audio:** Advanced spatial audio processing for movies, TV shows, and video games.
- **DTS Virtual:X:** Advanced audio post-processing offering immersive 3D sound from your TV speakers.

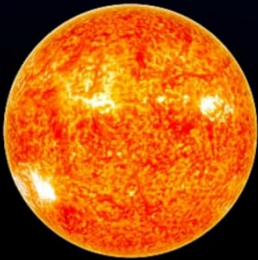
Gaming Features

The TCL QM7K Series is optimized for gaming performance:

- **144Hz Native Panel Refresh Rate:** Provides ultra-smooth motion for fast-paced action, sports, and video games without image blur.

New **Zero Delay** Transient Response

Virtually No Lag Between Input Signal
& Backlight Response

	First Frame First Frame	Second Frame Instant Brightness	Third Frame Fully Black
Transient Response Technology	 Signal Brightness Backlight Brightness	 Very close to full input signal level	
No Transient Response	 Signal Brightness Backlight Brightness	 Farther From input signal level	

Dynamic image illustrating the smooth motion provided by the 144Hz native refresh rate, ideal for gaming and fast action scenes.

- **Game Accelerator 288:** Offers more responsive, lag-free gameplay with blistering fast 288 VRR (Variable Refresh Rate).

144Hz Native Panel Refresh Rate – Ultra Smooth Experience



Action-packed image demonstrating the benefits of Game Accelerator 288 for responsive gaming.

- **Auto Game Mode (ALLM) with AMD FreeSync Premium Pro:** Automatically enables game mode for the lowest possible input lag and latency.

MAINTENANCE

Cleaning the Screen

To clean the screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, slightly dampen the cloth with water or a specialized screen cleaner. Avoid using harsh chemicals, abrasive materials, or direct spraying of liquids onto the screen.

Cleaning the TV Body

Wipe the TV body and stand with a soft, dry cloth. Do not use solvents or alcohol-based cleaners, as they may damage the finish.

General Care

- Avoid placing the TV in direct sunlight or near heat sources.

- Ensure adequate ventilation around the TV.
- Unplug the TV during lightning storms or when it will be unused for extended periods.

TROUBLESHOOTING

This section addresses common issues you might encounter with your TCL QM7K Series TV. If the problem persists after trying these solutions, please contact TCL customer support.

Problem	Possible Cause / Solution
No Power / TV does not turn on.	Ensure the power cable is securely connected to the TV and a working power outlet. Check if the power outlet is functioning by plugging in another device. Try pressing the power button on the TV itself, not just the remote.
No Picture / Poor Picture Quality.	Verify the correct input source is selected (e.g., HDMI 1, HDMI 2). Check all cable connections (HDMI, antenna, etc.) for looseness. Adjust picture settings (brightness, contrast, color) in the TV menu. If using an external device, ensure it is powered on and functioning correctly.
No Sound / Poor Sound Quality.	Increase the volume level. Check if the TV is muted. If using external audio equipment (soundbar, receiver), ensure it is connected correctly and powered on. Check audio output settings in the TV menu.
Remote Control Not Working.	Replace the batteries (2 AAA batteries required). Ensure there are no obstructions between the remote and the TV's IR sensor. Point the remote directly at the TV.
TV Turns On/Off Randomly.	Check for scheduled power on/off timers in the TV settings. Ensure no external devices are sending conflicting signals (e.g., HDMI-CEC issues). Perform a factory reset (note: this will erase all settings and data).
Wi-Fi Connection Issues.	Restart your Wi-Fi router. Ensure the TV is within range of your Wi-Fi network. Re-enter the Wi-Fi password in the TV settings. Try connecting via Ethernet cable if possible.

SPECIFICATIONS

Feature	Detail
Brand	TCL
Model Number	98QM7K
Screen Size	98 Inches (97.5" diagonal)
Display Technology	4K UHD, Mini LED, QLED

Feature	Detail
Resolution	4K (3840 x 2160)
Refresh Rate	144 Hz Native, 288 Hz Variable Gaming Refresh Rate
Peak Brightness	HDR 3000 Nits
Dimming Zones	Up to LD2500 Precise Dimming Series (2500 zones)
Panel Type	CrystGlow HVA Panel (Anti-Reflective)
Processor	AIPQ Pro Processor
Audio	Bang & Olufsen Audio, Dolby Atmos, DTS Virtual:X
Operating System	Google TV
Connectivity	Ethernet, HDMI, RF, USB, Wi-Fi
Product Dimensions (without stand)	2.4"D x 85.8"W x 50.6"H
Item Weight	121.9 Pounds
Included Components	Power Cable, Remote Control, Stand, User Manual
Batteries	2 AAA batteries (included)

WARRANTY AND SUPPORT

For warranty information specific to your TCL QM7K Series TV, please refer to the warranty card included in your product packaging or visit the official TCL support website. TCL provides customer support for technical assistance and service inquiries.

You can typically find support contact details on the TCL website or within the TV's settings menu under "About" or "Support."

For additional resources and product information, visit the [TCL Store on Amazon](#).

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This manual is for informational purposes only. Specifications are subject to change without notice.

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

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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