

TCL 65QM751G

TCL 65-Inch QM7 QLED 4K Smart QD-Mini LED TV (65QM751G, 2024 Model) User Manual

Model: 65QM751G

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your TCL 65-Inch QM7 QLED 4K Smart QD-Mini LED TV. The TCL QM7 series offers advanced display technologies and smart features for an enhanced viewing experience. Please read this manual thoroughly before using your television.



Image: Front view of the TCL 65-Inch QM7 QLED 4K Smart QD-Mini LED TV, showcasing its slim design and vibrant display.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent fire, electric shock, or injury:

- Do not expose the TV to rain or moisture.
- Do not open the TV cabinet. Refer servicing to qualified personnel.
- Ensure proper ventilation. Do not block ventilation openings.
- Protect the power cord from being walked on or pinched.
- Unplug the TV during lightning storms or when unused for long periods.
- Keep the TV away from heat sources and direct sunlight.
- Place the TV on a stable, level surface to prevent it from falling.

3. WHAT'S IN THE BOX

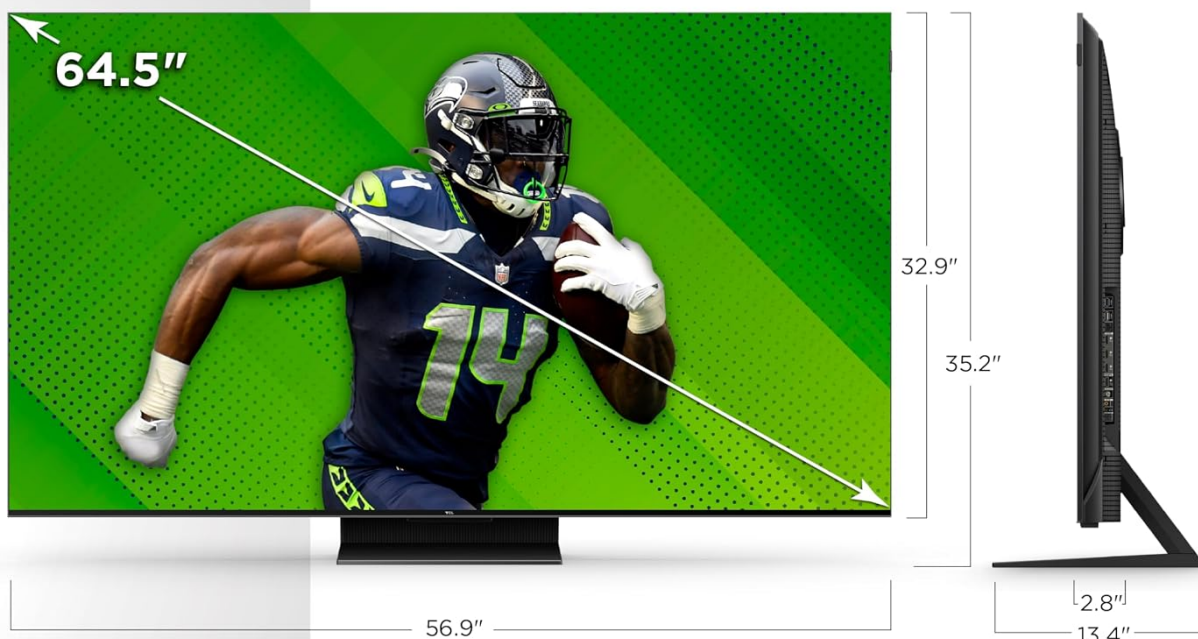
Verify that all components are present in the packaging:

- 1x TCL 65-Inch QM7 QLED 4K Smart QD-Mini LED TV
- 1x Power Cable
- 1x Quick Start Guide
- 1x TV Remote
- 2x AAA TV Remote Batteries
- 1x Stand Plate
- 1x Stand Neck Component

TCL

65" Class

Model:
65QM751G



Dimensions:

TV with Stand:
56.9" x 35.2" x 13.4"

TV without Stand:
56.9" x 32.9" x 2.8"

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.

Image: A visual representation of the TV's dimensions, the included remote control, and a list of items found in the box, including the TV, stand components, power cable, remote, and batteries.

4. SETUP

4.1 Physical Setup

Before powering on, ensure the TV is securely placed. You can either attach the included stand or mount the TV on a wall (wall mount sold separately).

Attaching the Stand:

1. Carefully place the TV face-down on a soft, clean surface.
2. Attach the stand neck component to the TV using the provided screws.
3. Secure the stand plate to the stand neck component.
4. Ensure all screws are tightened securely.

Wall Mounting:

If wall mounting, follow the instructions provided with your wall mount kit. Ensure the mount is compatible with

VESA standards for this TV model.

4.2 Initial Power On and Google TV Setup

1. Connect the power cable to the TV and a power outlet.
2. Press the power button on the TV or remote control.
3. Follow the on-screen instructions to complete the initial setup, including language selection, network connection (Wi-Fi or Ethernet), and Google TV account setup.

4.3 Connecting External Devices

Your TV offers various ports for connecting external devices:

- **HDMI:** Connect Blu-ray players, gaming consoles, or set-top boxes.
- **USB:** Connect USB drives for media playback.
- **Ethernet:** For a wired internet connection.
- **Bluetooth:** Connect wireless headphones or other Bluetooth devices.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Functions

The included remote control allows you to navigate the TV's features. Insert the two AAA batteries into the remote control, observing polarity.

QD-Mini LED – High Zone Dimming for Stunning Contrast

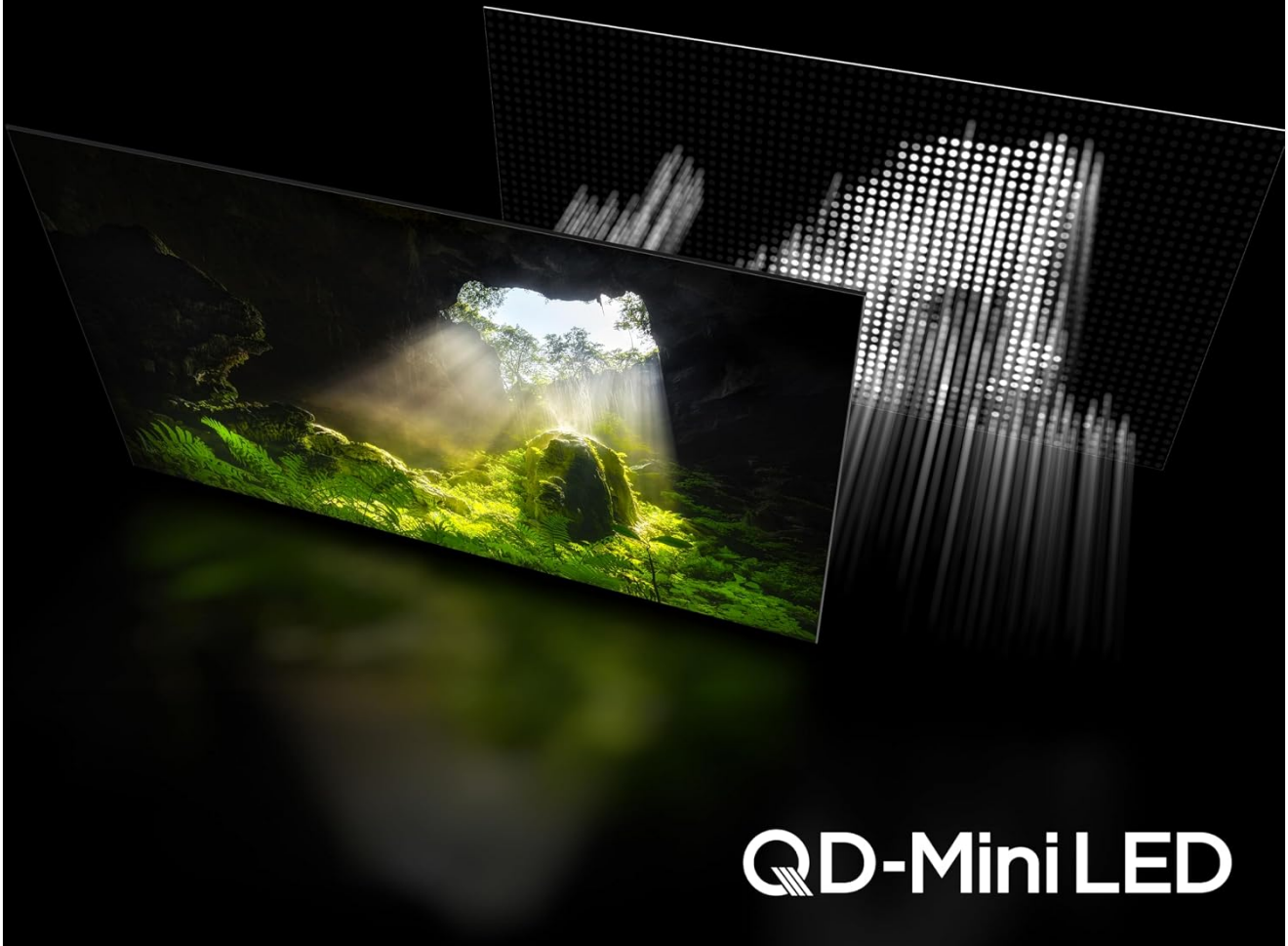


Image: The TCL TV remote control, displaying buttons for power, volume, channel, navigation, Google Assistant, and quick access to streaming services.

- **Power Button:** Turns the TV on or off.
- **Google Assistant Button:** Activates voice control.
- **Navigation Pad:** Moves through menus and selects options.
- **Volume Up/Down:** Adjusts audio level.
- **Channel Up/Down:** Changes TV channels.
- **Input:** Selects input source (HDMI, USB, etc.).

5.2 Navigating Google TV

Google TV provides a personalized home screen with access to streaming apps, live TV, and recommendations. Use the navigation pad and OK button on your remote to browse content and settings.

5.3 Picture Settings

Your TCL QM7 TV features advanced display technologies for optimal picture quality:

- **QD-Mini LED:** Provides precise backlight control with up to 1,500+ local dimming zones for deep blacks and

enhanced contrast.

QLED ULTRA – Rich, Vibrant Colors Bringing Images to Life



Image: An illustration demonstrating QD-Mini LED technology, highlighting how individual dimming zones create precise contrast and deep black levels.

- **QLED ULTRA Quantum Dot Technology:** Delivers rich, vibrant colors across a wide color spectrum.

High Brightness ULTRA – Bright, Dynamic Images



Image: A side-by-side comparison showing the expanded and more vibrant color reproduction of QLED ULTRA technology compared to a conventional television display.

- **High Brightness ULTRA LED Backlight:** Achieves up to 1,500 nits peak brightness for dazzling highlights and clear visibility in various lighting conditions.

120 Hz Panel Refresh Rate (144 Hz Variable Refresh Rate – Clearer, fast action in Movies, Sports, and Gaming



Image: A visual comparison illustrating the superior brightness and dynamic range offered by High Brightness ULTRA LED Backlight technology against a standard TV display.

- **HDR ULTRA with Dolby Vision IQ, HDR10+, HDR10, & HLG:** Supports multiple High Dynamic Range formats for enhanced contrast, accurate colors, and fine detail, with Dolby Vision IQ adapting to room lighting.

TCL AIPQ™ PRO Processor – Intelligently Optimized Clarity, Contrast, and Color

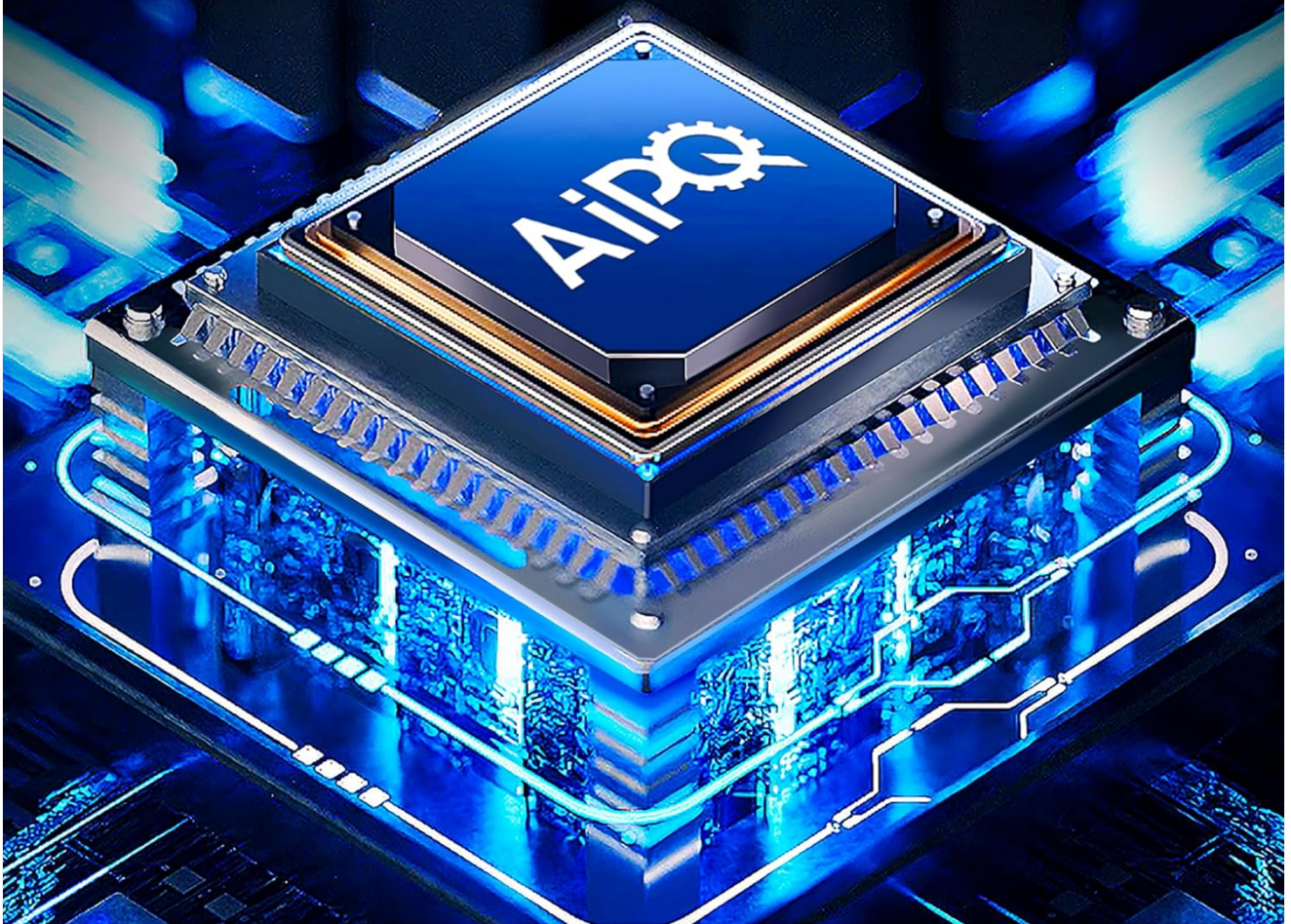


Image: A scenic landscape displayed with HDR ULTRA and Dolby Vision IQ, demonstrating enhanced contrast and vivid colors that adjust to the ambient light in the viewing environment.

5.4 Sound Settings

The TV features an ONKYO speaker system with a built-in subwoofer, supporting Dolby Atmos and DTS Virtual:X for immersive audio. Adjust sound modes and equalizer settings in the audio menu.

5.5 Gaming Features

The QM7 series is optimized for gaming:

- **120Hz Native Panel Refresh Rate (144Hz Variable Refresh Rate):** Provides smooth motion clarity for fast-paced games and action scenes.

Game Accelerator 240 VRR* – Up to 240 VRR* for blistering fast gameplay



Image: A dynamic image of a high-performance car, symbolizing the smooth and clear motion provided by the 120Hz native panel refresh rate and 144Hz Variable Refresh Rate for gaming and fast action.

- **Game Accelerator 240:** Offers up to 240 VRR (Variable Refresh Rate) for highly responsive gameplay with minimal lag.

HDR Ultra with Dolby Vision IQ® – Cinematic picture that adjusts to light in your room



Image: A screenshot from a modern video game, illustrating the 'Game Accelerator 240' feature which enhances gameplay responsiveness and reduces input lag.

- **Auto Game Mode (ALLM) with AMD FreeSync Premium Pro:** Automatically optimizes settings for gaming, reducing input lag and screen tearing.

6. MAINTENANCE

6.1 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. Do not spray cleaner directly onto the screen.

6.2 Cleaning the Cabinet

Wipe the TV cabinet with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

7. TROUBLESHOOTING

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

Problem	Possible Solution
No Power	Ensure the power cable is securely connected to the TV and a working power outlet. Try a different outlet.
No Picture, but Sound is Present	Check the input source. Ensure external devices are powered on and connected correctly.
No Sound, but Picture is Present	Check volume levels. Ensure mute is not activated. Verify audio output settings.
Remote Control Not Working	Replace batteries. Ensure there are no obstructions between the remote and the TV.
Network Connection Issues	Restart your router/modem. Check Wi-Fi password. Try a wired Ethernet connection.

For further assistance, consult the full user manual available on the TCL support website or contact customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	TCL
Model Number	65QM751G
Screen Size	65 Inches (166 cm visible diagonal)
Display Technology	QD Mini-LED, QLED
Resolution	4K Ultra HD
Refresh Rate	120Hz Native (144Hz VRR)
HDR Support	Dolby Vision IQ, HDR10+, HDR10, HLG
Peak Brightness	Up to 1,500 nits
Local Dimming Zones	Up to 1,500+
Processor	TCL AIPQ PRO Processor with Deep Learning AI
Operating System	Google TV
Audio	ONKYO Speaker System with Built-In Subwoofer, Dolby Atmos, DTS Virtual:X
Connectivity	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Special Features	Bezel-Less Design, Chromecast, Game Mode, Wide Color Enhancer, Game Accelerator 240, Auto Game Mode (ALLM) with AMD FreeSync Premium Pro

Feature	Detail
Product Dimensions (with stand)	56.85" W x 35.2" H x 13.4" D
Product Dimensions (without stand)	56.85" W x 32.9" H x 2.8" D
Item Weight	45.86 Pounds
Energy Consumption	375.0 kWh per year (based on 4 hours/day)

9. WARRANTY AND SUPPORT

Your TCL TV comes with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official TCL support website. For technical support, troubleshooting, or service requests, please contact TCL customer service.

Online Support: Visit the TCL support website for FAQs, software updates, and detailed product information.

Contact Support: Refer to your Quick Start Guide or the TCL website for contact information for your region.

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