TCL 55QM6K

TCL 55-Inch Class QM6K Series QD-Mini LED 4K UHD Google Smart TV User Manual

Model: 55QM6K | Brand: TCL

Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your TCL 55-Inch Class QM6K Series QD-Mini LED 4K UHD Google Smart TV. The QM6K Series is designed to deliver a premium viewing experience with advanced display technologies and smart features.



Front view of the TCL 55-Inch Class QM6K Series QD-Mini LED 4K UHD Google Smart TV.

What's in the Box

Verify that all components are present before proceeding with the setup.

- TCL 55-Inch Class QM6K Series TV
- Power Cable
- Remote Control (with 2 AAA batteries included)
- TV Stands (2)
- User Manual (this document)
- Quick Start Guide



Illustration detailing the TV dimensions, included remote control, and a comprehensive list of items found within the product packaging.

Setup Guide

1. Physical Installation

Choose between stand installation or wall mounting. Ensure proper ventilation around the TV.

Stand Installation:

1. Carefully place the TV screen-down on a soft, flat surface to prevent damage.
2. Attach the two TV stands to the designated slots on the bottom of the TV using the provided screws. Ensure they are securely fastened.
3. Carefully lift the TV to an upright position and place it on a stable, level surface.



Detail of the TV stand assembly, showing how the stand connects to the television unit.

Wall Mounting:

If wall mounting, refer to the instructions provided with your wall mount kit. Ensure the mount is compatible with the TV's VESA pattern and weight. Professional installation is recommended.

2. Connecting Devices

Connect your external devices such as cable boxes, gaming consoles, and sound systems to the appropriate ports on the TV. The QM6K series includes HDMI, USB, Ethernet, and RF inputs.



A detailed view of the television's side panel, highlighting the arrangement of HDMI, USB, and Ethernet ports for external device connections.

- **HDMI:** For high-definition video and audio devices (e.g., Blu-ray players, game consoles).
- **USB:** For connecting USB storage devices to play media files.
- **Ethernet:** For a wired internet connection.
- **RF:** For connecting an antenna or cable TV.

3. Initial Power On & Network Setup

1. Plug the power cable into the TV and then into a power outlet.
2. Press the power button on the remote control or the TV.
3. Follow the on-screen instructions to complete the initial setup, including language selection, country/region, and network connection (Wi-Fi or Ethernet).
4. Sign in with your Google account to access Google TV features and apps.

Operating Instructions

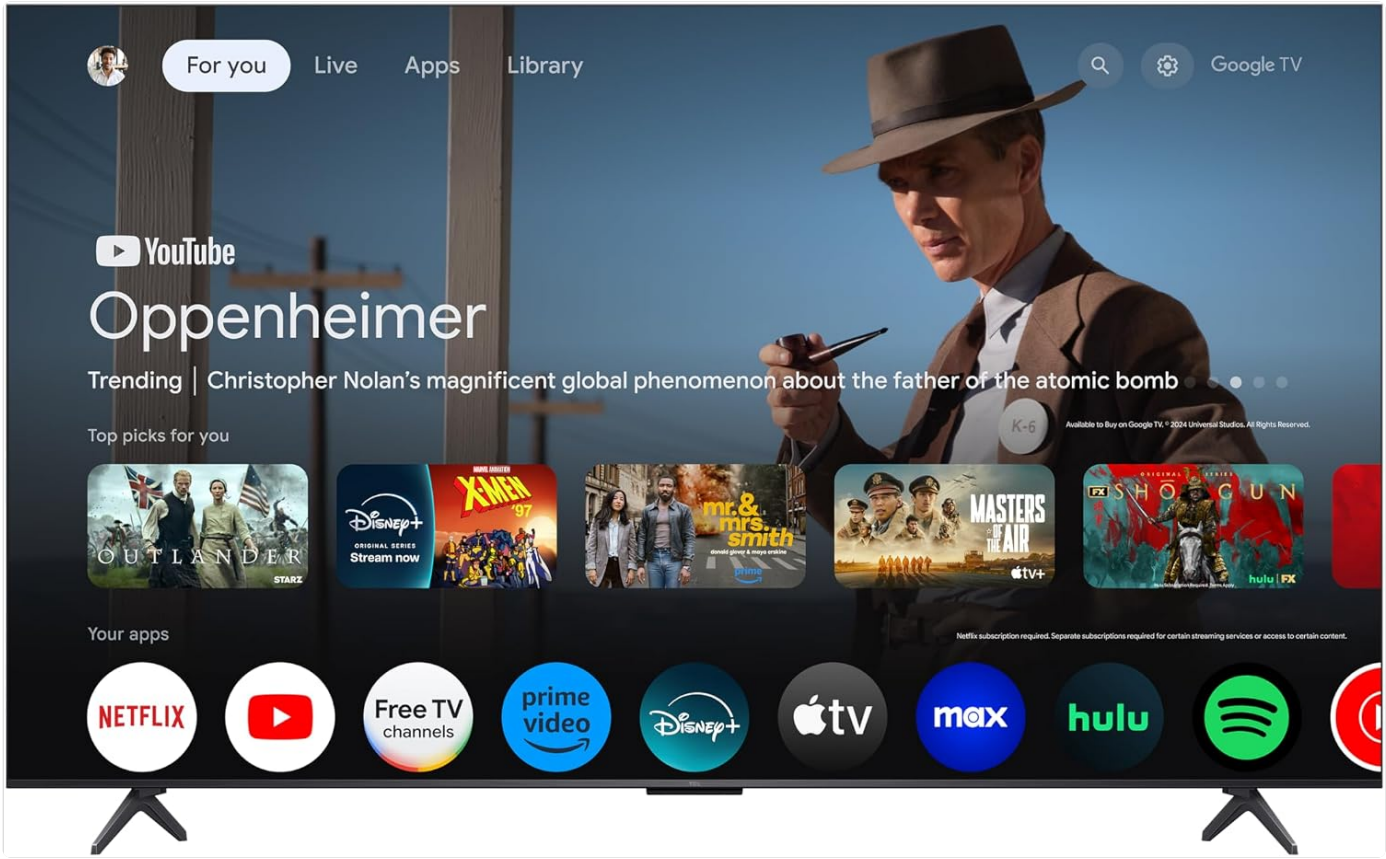
Remote Control Overview

The included remote control provides intuitive navigation and access to all TV functions. It features a backlit design and voice control capabilities.

- **Power Button:** Turns the TV on/off.
- **Google Assistant Button:** Activates voice control for searching content, controlling smart home devices, and more.
- **Navigation Pad:** Used to move through menus and select options.
- **Home Button:** Returns to the Google TV home screen.
- **Input Button:** Selects input sources (HDMI, USB, etc.).
- **Volume/Channel Buttons:** Adjusts volume and changes channels.
- **App Shortcut Buttons:** Direct access to popular streaming services.

Google TV Interface

Google TV organizes all your content from various streaming services into one personalized interface. Use the navigation pad and voice control to explore movies, shows, and apps.



A visual representation of the Google TV smart interface, displaying a selection of streaming applications and personalized content suggestions.

Picture Settings

The QM6K series features advanced picture technologies for an optimized viewing experience.

- **QD-Mini LED:** Combines Mini LED backlighting with Quantum Dot technology for superior brightness, contrast, and color accuracy.
- **TCL Halo Control System:** Advanced local dimming technology that minimizes blooming and enhances shadow detail for "halo-free" images.
- **High Contrast HVA Panel:** Provides deep black levels and improved contrast ratio.

- **HDR Support:** Compatible with Dolby Vision, HDR10+, HDR10, and HLG formats for stunning dynamic range.
- **AiPQ PRO Processor:** Utilizes AI to optimize picture clarity, contrast, color, motion, and upscaling in real-time.



An explanatory diagram showcasing the QD-Mini LED technology, emphasizing its high zone dimming capabilities for enhanced contrast.



An infographic detailing the various components and functionalities of the TCL Halo Control System, designed to improve picture quality.



A visual representation of the AiPQ Pro Processor chip, highlighting its role in advanced image processing.

Audio Settings

The QM6K series provides immersive audio with its integrated sound system.

- **Onkyo 2.1 Channel Speaker System:** Features a built-in subwoofer for rich, powerful spatial sound.
- **Dolby Atmos:** Delivers multi-dimensional audio that moves around you.
- **DTS Virtual:X:** Provides an immersive audio experience without additional speakers.



An illustration depicting the spatial sound experience provided by the Onkyo 2.1 Channel Speaker System, with sound waves filling a room.

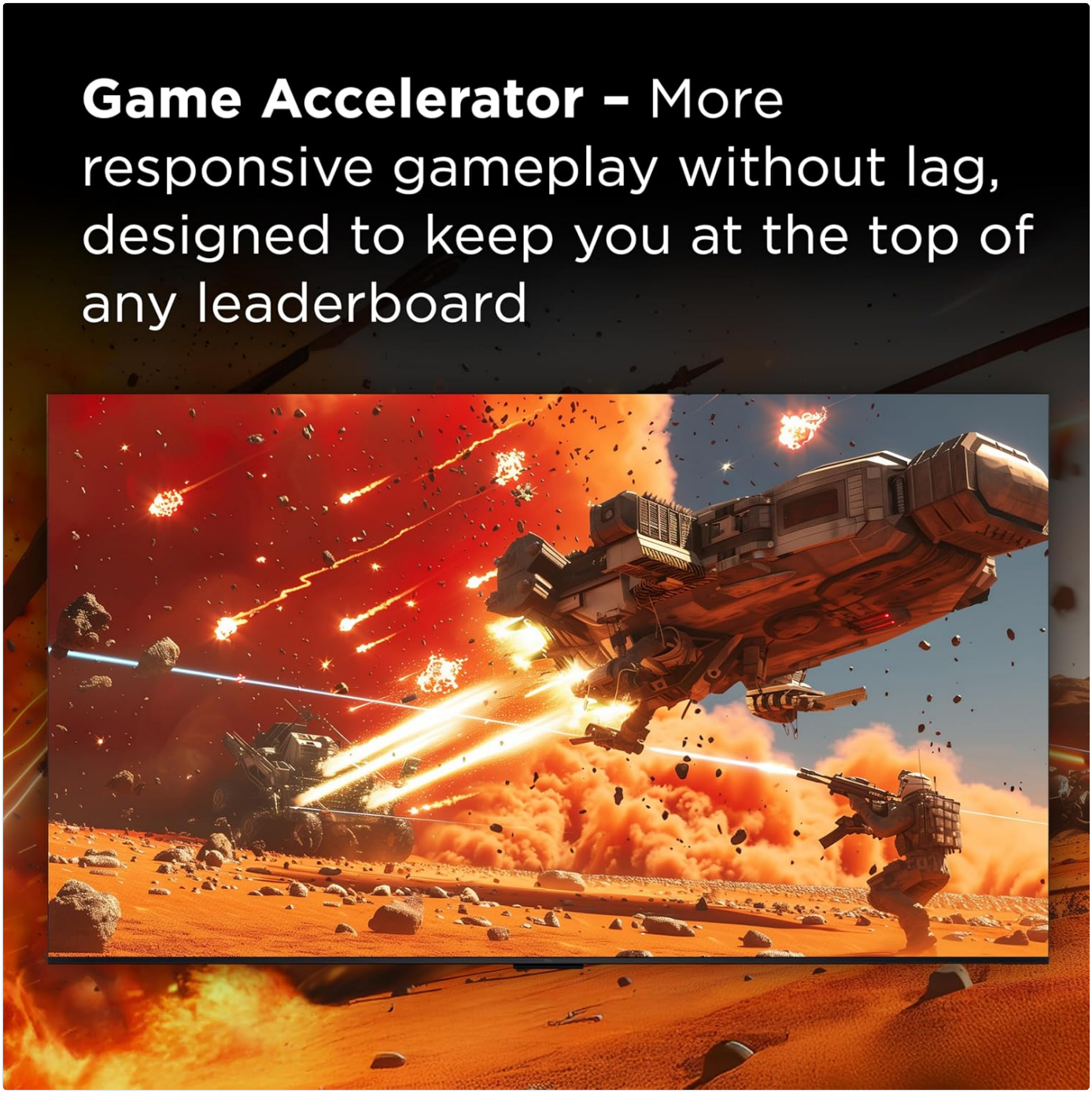
Gaming Features

Designed for an optimal gaming experience.

- **144Hz Native Refresh Rate:** Ensures smooth, clear motion for fast-paced games and sports.
- **Game Accelerator 288:** Provides blistering fast VRR (Variable Refresh Rate) for lag-free gameplay. (Note: 240 on 50"/55" models)
- **Auto Game Mode:** Automatically optimizes settings for gaming when a console is detected.
- **GameBar:** Access real-time performance stats and settings during gameplay.



A dynamic image of a sleek car, symbolizing the ultra-smooth motion and clarity provided by the 144Hz Native Panel Refresh Rate.



A vibrant screenshot from a video game, featuring explosions and action, demonstrating the responsiveness and low lag provided by the Game Accelerator feature.

Smart Features

- **Hands-Free Voice Control:** Control your TV and smart home devices using voice commands without the remote.
- **Art Mode:** Display personal photos, ambient visuals, or curated artwork when the TV is off, blending it into your living space.

Maintenance

Cleaning Your TV

- Always unplug the TV before cleaning.
- Use a soft, lint-free cloth to gently wipe the screen and cabinet.
- 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, waxes, or solvents.

Software Updates

Your TV may receive automatic software updates to improve performance and add new features. Ensure your TV is connected to the internet for these updates. You can also manually check for updates in the TV's settings menu.

TROUBLESHOOTING

If you encounter issues with your TV, refer to the following common solutions before contacting support.

Problem	Possible Solution
No Power	Ensure the power cable is securely plugged into both the TV and a working electrical outlet. Try a different outlet.
No Picture/Sound	Check input source (HDMI, etc.). Ensure cables are connected properly. Try a different HDMI port.
Remote Control Not Working	Check and replace batteries. Ensure no obstructions between remote and TV. Re-pair the remote if necessary (refer to TV settings).
Wi-Fi Connection Issues	Restart your router and modem. Check Wi-Fi password. Move TV closer to router or use a wired Ethernet connection.
Picture Quality Issues (e.g., blooming, pixelation)	Adjust picture settings (brightness, contrast, backlight). Ensure content source is high quality. Check for software updates.

SPECIFICATIONS

Feature	Detail
Brand	TCL
Model Number	55QM6K
Screen Size	55 Inches (54.6" diagonal)
Display Technology	QD-Mini LED, 4K UHD
Resolution	4K (3840 x 2160)
Refresh Rate	144 Hz Native
Gaming Features	Game Accelerator 288 (240 on 55"), Auto Game Mode, GameBar
HDR Support	Dolby Vision, HDR10+, HDR10, HLG
Processor	AiPQ PRO Processor with Deep Learning AI
Audio System	Onkyo 2.1 Channel Speaker System, Dolby Atmos, DTS Virtual:X
Operating System	Google TV

Feature	Detail
Connectivity	Wi-Fi, RF, USB, Ethernet, HDMI
Dimensions (with stand)	48.4" W x 29.9" H x 11.89" D
Dimensions (without stand)	48.4" W x 27.7" H x 2.2" D
Weight	27.3 Pounds
Included Components	TV, Power Cable, Remote Control, Stand, User Manual

Warranty and Support

Warranty Information

TCL provides a limited warranty for this product. Please refer to the warranty card included in your product packaging or visit the official TCL website for detailed warranty terms and conditions specific to your region. Typically, this includes coverage for manufacturing defects for a specified period from the date of purchase.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact TCL Customer Support. Have your TV model number (55QM6K) and serial number ready when you call or email.

- **Online Support:** Visit the official TCL support website for FAQs, software downloads, and contact forms.
- **Phone Support:** Refer to the contact information provided in your Quick Start Guide or on the TCL website for your country.

For the most up-to-date support information, please visit: www.tcl.com/us/en/support

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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.

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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