TCL 75QM6K

TCL 75-Inch Class QM6K Series QD-Mini LED 4K UHD Google Smart TV User Manual

Model: 75QM6K (2025 Model)

1. Introduction

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new TCL 75-Inch Class QM6K Series QD-Mini LED 4K UHD Google Smart TV. Please read this manual thoroughly before using your television and retain it for future reference. Proper installation and operation will ensure optimal performance and longevity of your device.



Figure 1.1: Front view of the TCL QM6K Series TV.

This image displays the front of the TCL 75-Inch Class QM6K Series QD-Mini LED 4K UHD Google Smart TV, showcasing its slim bezels and the central TCL logo. The screen displays vibrant content, highlighting its visual capabilities.

2. Key Features

- **QD-Mini LED Technology:** Combines ultra-precise Mini LEDs with Quantum Dot technology for exceptional brightness, contrast, and over a billion vibrant colors.
- **TCL Halo Control System:** Advanced local dimming for enhanced shadow detail and improved picture accuracy, minimizing halo effects.
- **4K UHD Resolution:** Experience incredible detail with four times the resolution of 1080p Full HD TVs.
- **144Hz Native Refresh Rate + Motion Rate 480:** Provides smooth, fast action with minimal motion blur, ideal for sports and gaming.
- **Game Accelerator 288 + Auto Game Mode + GameBar:** Offers blistering fast gameplay with ultra-low input lag and HDMI 2.1 support, including an on-screen GameBar for real-time performance stats.
- **AIPQ Engine with HDR Pro+:** AI-powered processing optimizes brightness, color, and contrast in real-time for superior picture quality.
- **Dolby Vision, HDR10+, HDR10 & HLG Support:** Delivers stunning HDR content with dynamic metadata across all major formats.
- **Dolby Atmos + ONKYO 2.1 Channel Audio System:** Immersive spatial sound with a built-in subwoofer for rich, powerful audio.
- **Google TV OS + Hands-Free Voice Control:** A smart interface for streaming, app access, and smart home device control using voice commands.
- **Art Mode:** Transforms your TV into a display for personal photos, ambient visuals, or curated artwork when not in use.

3. What's in the Box

Upon unboxing your TCL QM6K Series TV, please ensure all the following components are present:

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



Figure 3.1: TV dimensions and included accessories.

This image illustrates the TV's dimensions and lists the items typically found inside the product packaging, including the TV, stand, remote, and power cable.

4. Setup

4.1. Unboxing and Placement

Carefully remove the TV from its packaging. It is recommended that two or more people handle the 75-inch model due to its size and weight. Place the TV on a stable, flat surface or prepare for wall mounting. Ensure adequate ventilation around the TV.

4.2. Attaching the Stand

If using the included stand, align the stand legs with the corresponding slots on the bottom of the TV. Secure them using the provided screws. Refer to the Quick Start Guide for detailed diagrams.



Figure 4.1: Close-up of the TV stand attachment point.

This image shows a detailed view of one of the TV stand legs attached to the bottom corner of the television, illustrating the design and connection.

4.3. Connecting Devices

Connect your external devices (cable box, Blu-ray player, gaming console, soundbar, etc.) to the appropriate ports on the back or side of the TV. The QM6K Series features multiple HDMI ports, including HDMI 2.1 for high-refresh-rate gaming, USB ports, Ethernet, and RF input.



Figure 4.2: Side view of the TV showing various input ports.

This image provides a clear view of the side-mounted input ports on the TCL QM6K TV, including HDMI, USB, Ethernet, and RF connections, facilitating easy access for connecting external devices.

4.4. Initial Power-On and Google TV Setup

Plug the power cable into an electrical outlet. Press the power button on the TV or remote control. Follow the on-screen instructions to complete the initial setup of Google TV, including network connection, Google account login, and channel scanning.

5. Operating Your TV

5.1. Google TV OS and Voice Control

Your TCL QM6K TV runs on the Google TV operating system, providing a personalized content experience. Use the included backlit voice remote or the TV's built-in hands-free voice control to search for movies, launch apps, control smart home devices, and more by simply speaking commands.



Figure 5.1: The Google TV smart interface on the TCL QM6K TV.

This image shows the main screen of the Google TV interface, with various streaming app icons and content recommendations, demonstrating the user-friendly smart TV platform.

5.2. Picture Settings

The QM6K Series utilizes QD-Mini LED technology with the TCL Halo Control System for superior picture quality. Access the picture settings menu to adjust brightness, contrast, color, and sharpness. The TV supports Dolby Vision, HDR10+, HDR10, and HLG for an optimized HDR viewing experience. The AIPQ Engine with HDR Pro+ automatically enhances picture quality based on content.



Figure 5.2: Diagram illustrating the TCL Halo Control System.

This diagram visually explains the components of the TCL Halo Control System, including the Condensed Micro Lens and Dynamic Lighting Bionic Algorithm, which work together to reduce halo effects and improve picture accuracy.



Figure 5.3: Visual representation of the AIPQ Pro Processor.

This image depicts the AIPQ Pro Processor, highlighting its role in optimizing picture clarity, contrast, color, motion, and upscaling through deep learning AI.

5.3. Audio Settings

The TV features an ONKYO 2.1 Channel Audio System with a built-in subwoofer, providing high-performance spatial sound. Adjust audio modes and settings through the sound menu. Dolby Atmos support delivers an immersive audio experience.

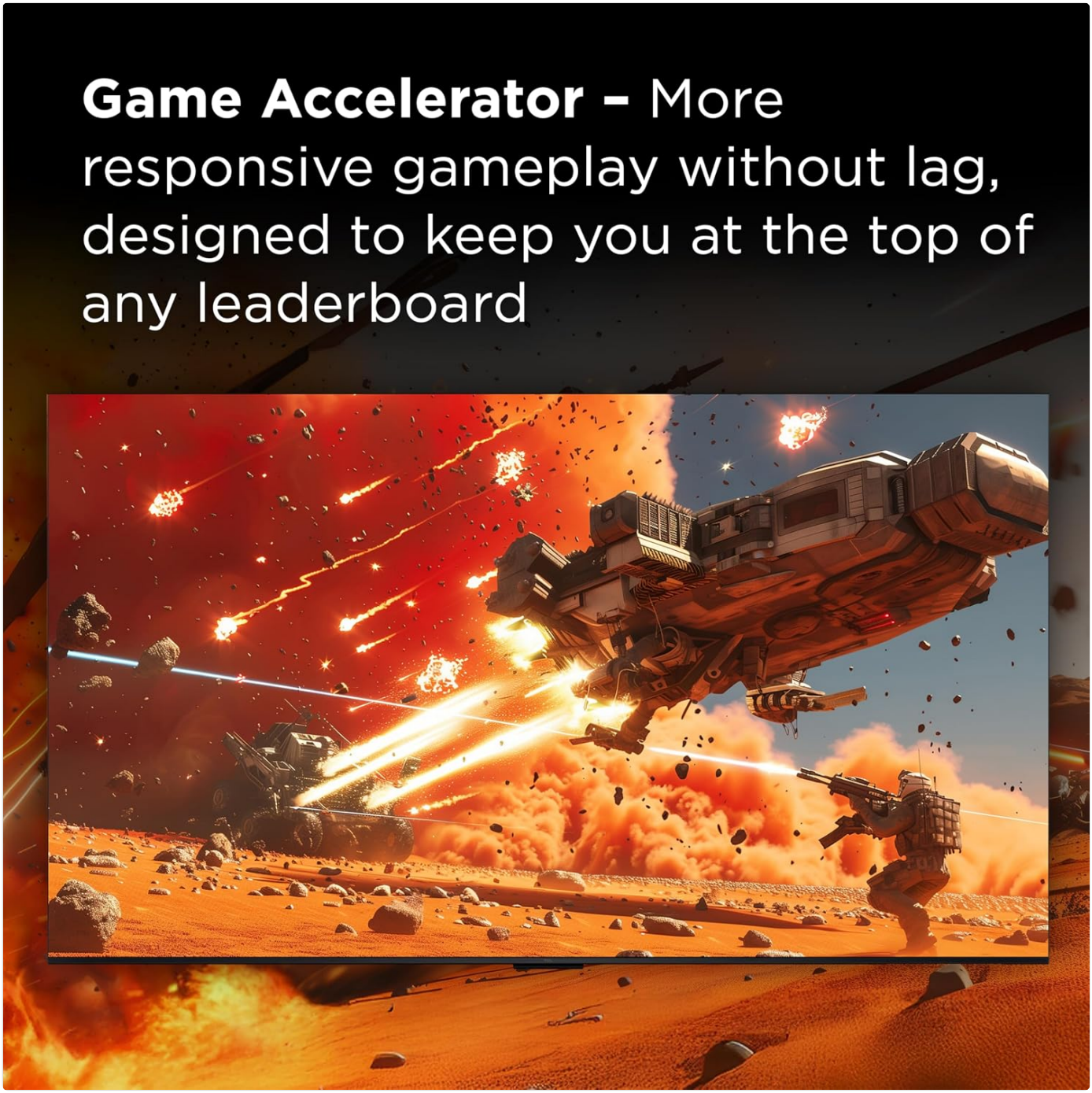


Figure 5.4: Diagram of the Onkyo 2.1 Channel Speaker System.

This diagram illustrates the spatial sound capabilities of the Onkyo 2.1 Channel Speaker System, showing how sound waves are projected to create an immersive audio environment.

5.4. Gaming Features

For gamers, the QM6K offers a 144Hz native refresh rate and Game Accelerator 288 (on 65-inch and above models) for blistering fast VRR (Variable Refresh Rate) and ultra-low input lag. The Auto Game Mode automatically optimizes settings for gaming, and the GameBar provides quick access to real-time performance stats and adjustments.



Figure 5.5: Visual representation of the Game Accelerator feature.

This image depicts a high-action gaming scene, emphasizing the smooth and responsive gameplay enabled by the Game Accelerator 288 feature, designed to minimize lag.

6. Maintenance

To ensure the longevity and optimal performance of your TCL QM6K TV, follow these maintenance guidelines:

- **Screen Cleaning:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth with a small amount of screen cleaner specifically designed for electronics. Avoid using harsh chemicals or abrasive materials.
- **Cabinet Cleaning:** Wipe the TV cabinet with a soft, dry cloth.
- **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, discontinue use and contact customer support.

7. Troubleshooting

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

- **No Power:** Check if the power cord is securely connected to both the TV and the power outlet. Ensure the outlet is functional. Try pressing the power button on the TV itself, not just the remote.
- **No Picture/Sound:** Verify that the correct input source is selected. Check all cable connections (HDMI, AV, etc.) for looseness. Try restarting connected devices.
- **Poor Picture Quality:** Adjust picture settings (brightness, contrast, sharpness, color). Ensure the content source is high quality. Check antenna/cable connections for signal strength.
- **Remote Not Working:** Replace the batteries in the remote control. Ensure there are no obstructions between the remote and the TV's IR sensor.
- **Network Connection Issues:** Check your Wi-Fi router and modem. Restart both the TV and your network equipment. Ensure the Wi-Fi password is entered correctly.

For more complex issues, consult the full online user manual or contact TCL customer support.

8. Specifications

Feature	Specification
Brand Name	TCL
Item Weight	51.8 pounds
Product Dimensions	2.2 x 65.8 x 37.8 inches
Item Model Number	75QM6K
Batteries Required	2 AAA batteries (included)
Color Name	Black
Screen Size	75 Inches
Display Technology	4K UHD, Mini LED, QLED
Resolution	4K
Refresh Rate	144 Hz
Included Components	Power Cable, Remote Control, Stand, User Manual
Connectivity Technology	Ethernet, HDMI, RF, USB, Wi-Fi
Visible Screen Diagonal	75" / 191 cm
Annual Energy Consumption	600.0 kWh (based on 4 hours/day, 365 days)

9. Important Safety Information

Please read all safety and operating instructions before operating this television. Retain these instructions for future reference. Follow all warnings on the appliance and in the operating instructions. Adhere to all operating and usage

instructions.

- **Ventilation:** Slots and openings in the cabinet are provided for ventilation. To ensure reliable operation of the television and to protect it from overheating, these openings must not be blocked or covered.
- **Power Source:** This television should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
- **Power Cord Protection:** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the television.
- **Lightning:** For added protection for this television receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the television due to lightning and power-line surges.
- **Overloading:** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- **Object and Liquid Entry:** Never push objects of any kind into this television through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television.
- **Servicing:** Do not attempt to service this television yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **Proposition 65 Warning:** This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

10. Warranty and Support

Your TCL QM6K Series TV comes with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including coverage duration and limitations. For technical support, service inquiries, or to purchase replacement parts, please visit the official TCL support website or contact their customer service hotline. Keep your purchase receipt as proof of purchase for warranty claims.

For additional support and resources, visit the TCL Store on Amazon.

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