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TCL 75QM7L

TCL 75QM7L Series SQD-Mini LED QLED 4K Smart Google TV User Manual

Model: 75QM7L

1. Important Safety Instructions

Please read all instructions carefully before operating your television. Keep these instructions for future reference. Follow all warnings and instructions marked on the product.

- **Power Source:** Operate this product only from the type of power source indicated on the marking label.
- **Ventilation:** Slots and openings in the cabinet are provided for ventilation. Do not block or cover these openings.
- **Water and Moisture:** Do not use this product near water, such as a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
- **Cleaning:** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- **Lightning:** For added protection 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.
- **Servicing:** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

2. What's in the Box

Carefully unpack the box and ensure all items are present and undamaged.



Image: Diagram showing the dimensions of the TCL 75QM7L TV with and without its stand, alongside a list of included accessories.

This image illustrates the physical dimensions of the 75-inch TCL QM7L television, including its width, height, and depth with and without the stand. It also details the contents of the box, which typically include the TCL TV with Google TV, TV stands, power cable, TV remote with batteries, and a quick start guide.

- TCL 75QM7L Series TV
- Remote Control (requires 2 AAA batteries, included)
- Power Cable
- TV Stand (2 pieces)
- Warranty Card
- Quick Start Guide

3. Setup

3.1 Installing the TV Stand

1. Place the TV face-down on a soft, flat surface (e.g., a blanket or foam) to prevent screen damage.
2. Align each stand with the corresponding screw holes on the bottom of the TV.
3. Secure each stand with the provided screws. Ensure they are tightened firmly.

3.2 Wall Mounting (Optional)

This TV is compatible with VESA standard wall mounts. Refer to your wall mount's instructions for installation. Ensure the wall mount can support the weight of the TV (approximately 36 pounds).

3.3 Connecting Devices

The TCL 75QM7L offers various connectivity options. Refer to the port diagram below for connection points.

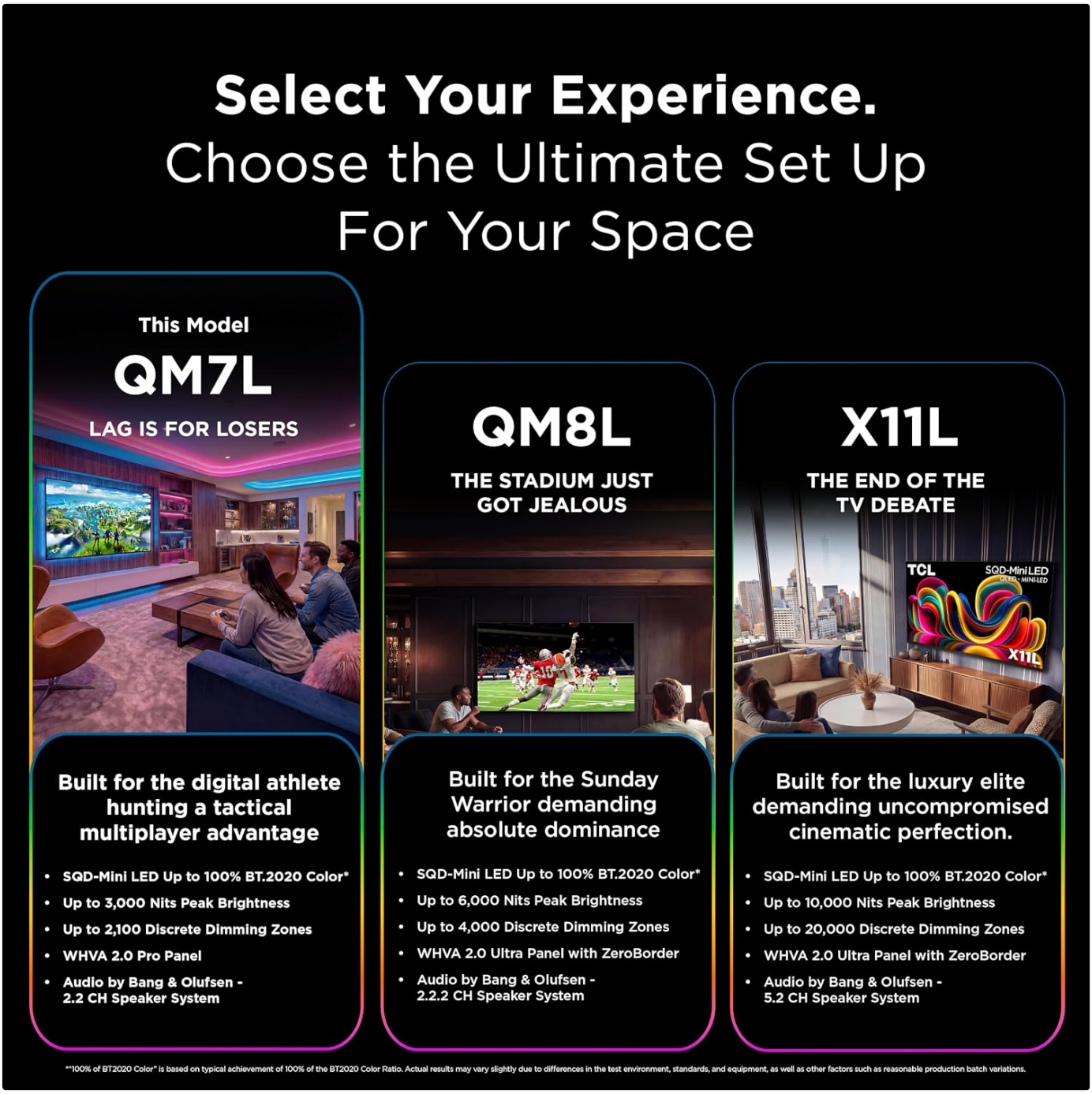


Image: Close-up side view of the TCL 75QM7L television displaying its array of input and output ports.

This image highlights the connectivity panel on the side of the TV, detailing ports such as USB 3.0, USB 2.0, Ethernet, HDMI 1 (4K@144Hz), HDMI 2 (4K@144Hz), HDMI 3 (4K@60Hz), HDMI 4 (eARC, 4K@60Hz), Cable/Antenna input, and Optical Audio Out. These ports allow for connection to various external devices like gaming consoles, Blu-ray players, soundbars, and network routers.

- **HDMI:** Connect Blu-ray players, gaming consoles, cable/satellite boxes to HDMI ports. HDMI 1 and HDMI 2 support 4K@144Hz for high-performance gaming. HDMI 4 supports eARC for enhanced audio return.
- **USB:** Connect USB flash drives for media playback.
- **Ethernet:** For a stable wired internet connection.
- **Optical Audio Out:** Connect to soundbars or AV receivers for digital audio.
- **Antenna/Cable:** Connect an antenna for over-the-air broadcasts or a cable TV feed.

3.4 Power Connection

Plug the power cable into the TV's power input, then plug the other end into a wall outlet. The TV will enter standby mode.

3.5 Initial Setup

Press the power button on the remote control to turn on the TV. Follow the on-screen instructions to complete the initial setup, which includes language selection, network connection (Wi-Fi or Ethernet), Google account sign-in, and channel scanning.

4. Operating Your TV

4.1 Remote Control Overview

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

- **Power Button:** Turns the TV on or off.
- **Google Assistant Button:** Activates voice control.
- **Navigation Pad (Up/Down/Left/Right/OK):** Navigates menus and selects items.
- **Back Button:** Returns to the previous screen.
- **Home Button:** Returns to the Google TV home screen.
- **Volume Up/Down:** Adjusts the volume.
- **Channel Up/Down:** Changes channels.
- **Input Button:** Selects input sources (HDMI, TV, etc.).
- **App Shortcut Buttons:** Quick access to popular streaming services.

4.2 Google TV Interface

Your TCL 75QM7L TV runs on Google TV, providing a personalized and intuitive user experience.



Image: The TCL 75QM7L TV screen showing the Google TV user interface.

This image displays the vibrant and user-friendly Google TV home screen on the TCL 75QM7L. It features personalized content recommendations, quick access to streaming applications like Netflix, YouTube, Prime Video, Disney+, and Apple TV, and navigation tabs for 'For you', 'Live', 'Apps', and 'Library'. The interface is designed for easy content discovery and management.

- **Home Screen:** Provides personalized recommendations, quick access to your favorite apps, and a search function.
- **Google Assistant with Gemini:** Use your voice to search for movies and shows, get recommendations, control smart home devices, and ask questions. Simply press the Google Assistant button on your remote.
- **Apps:** Access a wide range of apps from the Google Play Store.
- **Live TV:** If you have an antenna or compatible streaming service, you can access live TV channels.

4.3 Picture and Sound Settings

Access the settings menu to customize picture and sound modes. You can adjust brightness, contrast, color, sharpness, and select audio presets.

5. Key Features

The TCL 75QM7L Series TV is equipped with advanced technologies for an immersive viewing experience.

Your browser does not support the video tag.

Video: TCL QM7L Overview (1:10)

This official overview video from TCL provides a concise summary of the key features and benefits of the QM7L series, including its display technology, smart features, and audio capabilities.

5.1 SQD-Mini LED Display Technology

The QM7L series features SQD-Mini LED technology, combining Super Quantum Crystals (Super QLED) with precise Mini LED backlighting for exceptional brightness, contrast, and color accuracy.

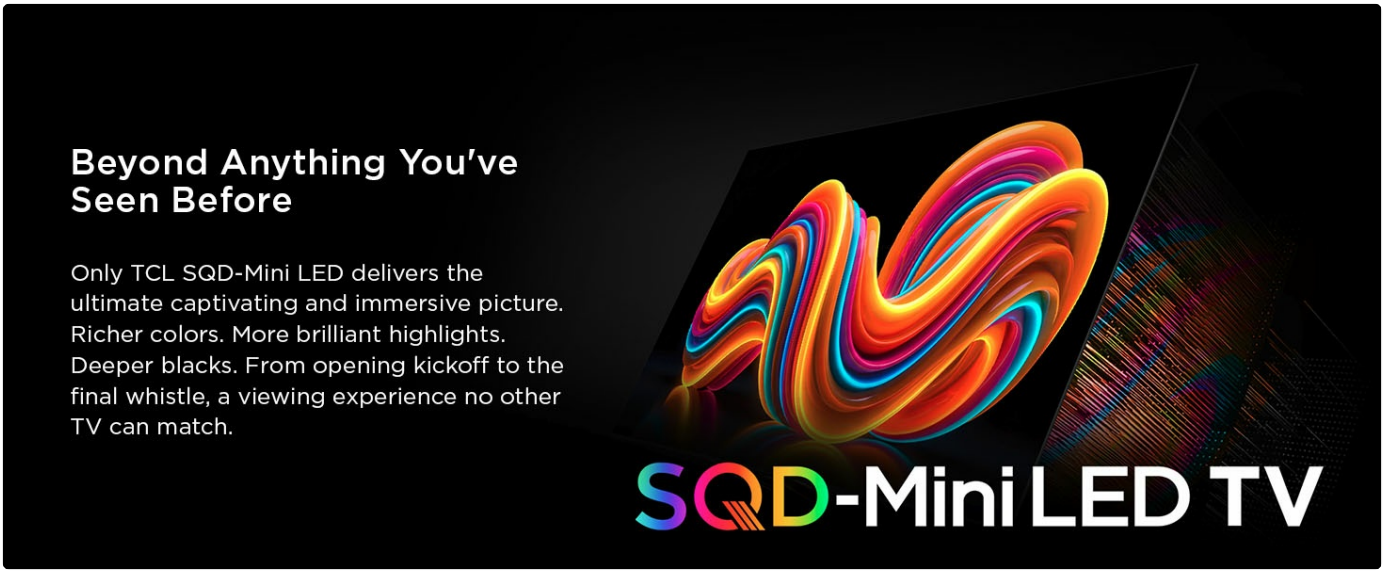


Image: Visual representation of SQD-Mini LED technology.

This image visually explains the core components of TCL's SQD-Mini LED technology, highlighting the TCL Deep Color System, HVA 2.0 Pro Panel, increased dimming zones for higher brightness, the TSR AI Processor, Google TV with Gemini, Home Theater Audio, Enhanced Halo Control System, and Super Thin Depth, all contributing to superior picture quality.

- **TCL Deep Color System:** Utilizes Super Quantum Crystals and an UltraColor Filter for vivid, accurate colors.
- **LD2100 Precise Dimming Series:** Up to 2,100+ local dimming zones deliver deep blacks and impressive contrast with up to 3,000 Peak Nits brightness.
- **HVA 2.0 Pro Panel:** An anti-reflective panel designed for high contrast and wide viewing angles.

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Video: Why SQD QM7L? (0:57)

This official video from TCL delves into the specific advantages and technological innovations behind the SQD-Mini LED display in the QM7L series, explaining how it enhances the viewing experience.

5.2 TSR AI Processor

The TSR AI Processor dynamically optimizes picture clarity, contrast, color, motion, upscaling, and backlighting based on the incoming video signal, ensuring optimal viewing quality for every scene.

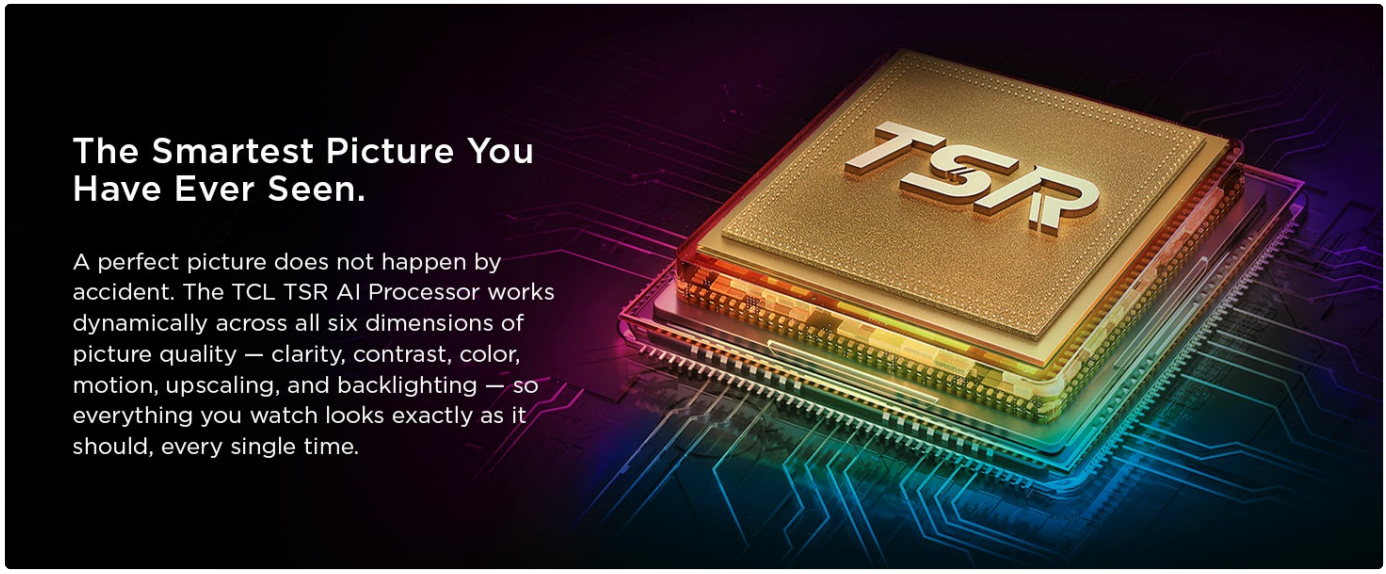


Image: Detailed view of the TSR AI Processor.

This image provides a detailed visual of the TSR AI Processor, highlighting its intricate design and suggesting its role as the intelligent core of the television's picture processing capabilities. The processor is responsible for real-time optimization of various picture elements.

5.3 Gaming Features

Designed for gamers, the QM7L offers a suite of features for a responsive and immersive gaming experience.

- **144Hz Native Refresh Rate:** Ensures smooth, crisp motion for fast-paced games and action scenes.
- **Game Accelerator 288 VRR:** Delivers fluid visuals and responsive controls.
- **Game Bar:** Provides quick access to game-related settings.
- **AMD FreeSync Premium Pro:** Reduces screen tearing and stuttering.
- **Auto Game Mode (ALLM):** Automatically switches to low-latency mode when a game console is detected.

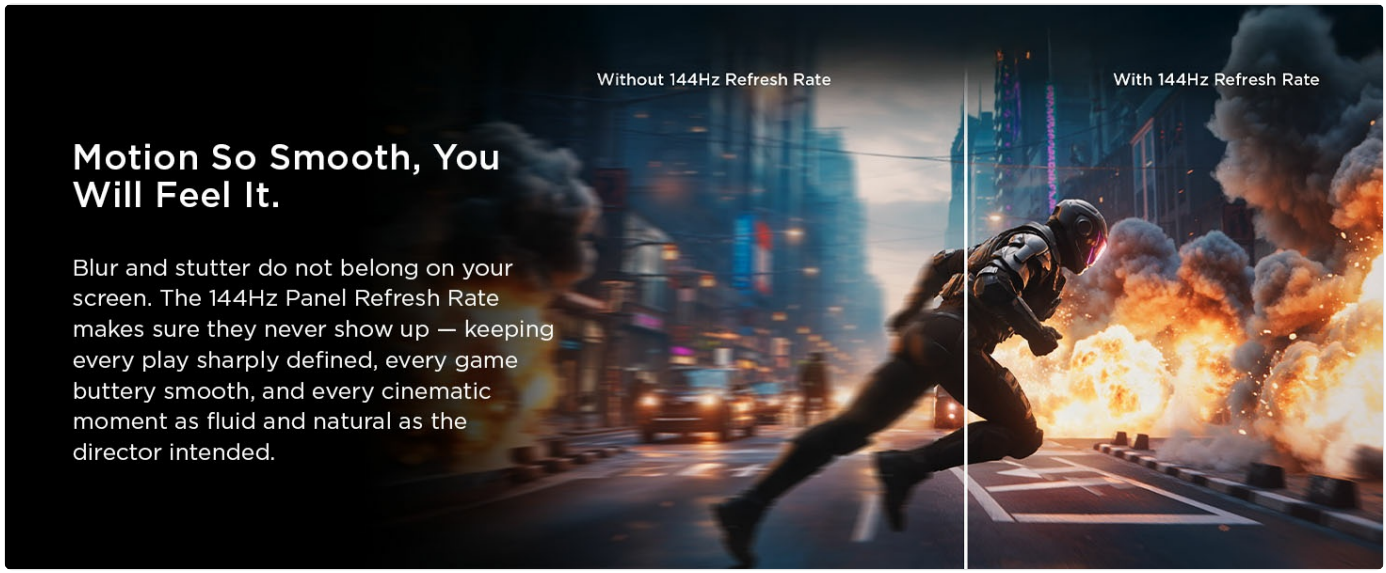


Image: Visual comparison of motion clarity with and without 144Hz refresh rate.

This image demonstrates the significant difference in motion clarity provided by the 144Hz panel refresh rate. On the left, a blurred image represents a lower refresh rate, while on the right, a sharp, clear image illustrates the smooth motion achieved with 144Hz, ideal for fast-action content and gaming.

5.4 Audio by Bang & Olufsen

Experience rich, immersive sound with audio engineered by Bang & Olufsen. The TV supports Dolby Atmos FlexConnect, allowing for expansion with optional wireless subwoofer and satellite speakers.



Image: TV displaying music interface with sound waves, highlighting Bang & Olufsen audio.

This image depicts a modern living space where the TCL TV is displaying a music playback interface, with visual sound waves emanating from the screen. This illustrates the premium audio experience provided by Bang & Olufsen, emphasizing immersive sound quality for music and other content.

5.5 Google TV with Gemini

The integrated Google TV platform, enhanced with Gemini, offers a smarter way to discover content, control your smart home, and interact with your TV using natural language commands.

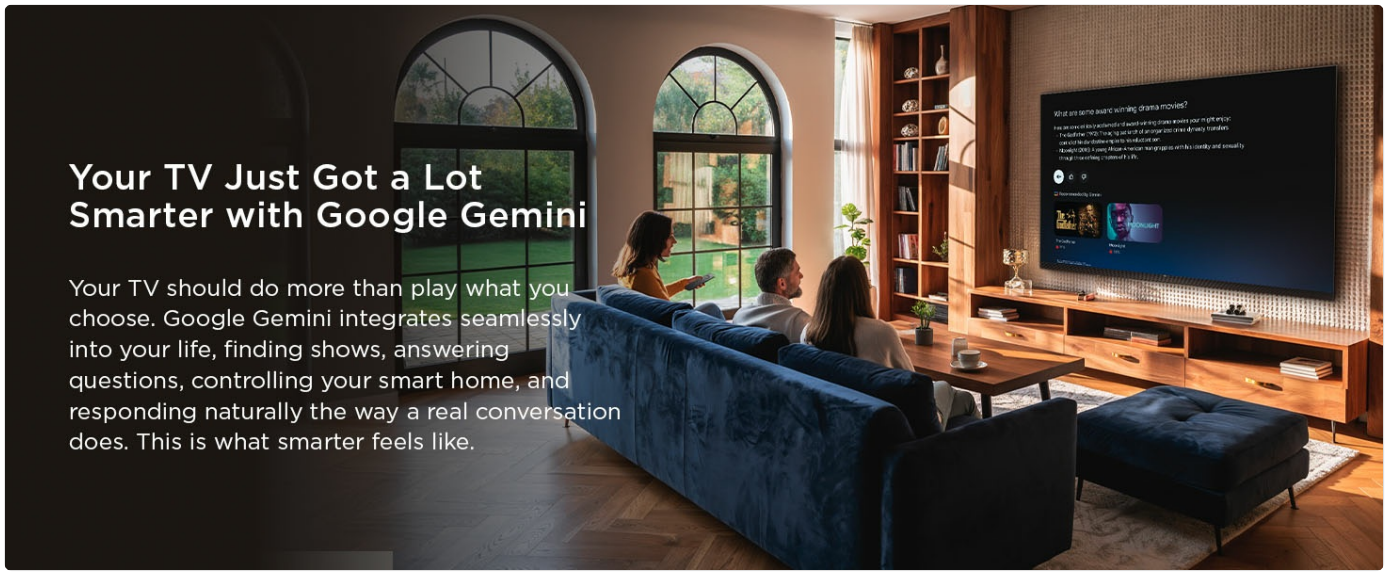


Image: Family interacting with Google TV featuring Gemini.

This image shows a family in a living room setting, enjoying content on the TCL TV. The screen displays the Google TV interface with Gemini, illustrating how the interactive AI assists in discovering movies and shows tailored to user preferences, making content navigation more intuitive and personalized.

6. Maintenance

6.1 Cleaning the Screen

Unplug the TV before cleaning. Use a soft, lint-free cloth lightly dampened with water or a screen cleaner specifically designed for TVs. Do not use harsh chemicals, abrasive cleaners, or paper towels, as these can damage the screen.

6.2 Cleaning the Cabinet

Wipe the TV cabinet with a soft, dry cloth. Do not use liquid or spray cleaners directly on the cabinet.

7. Troubleshooting

If you encounter issues with your TV, try the following solutions before contacting support.

Problem	Possible Solution
No power	Ensure the power cable is securely plugged into the TV and the wall outlet. Check if the outlet is working by plugging in another device.
No picture, but sound is present	Check the input source. Ensure the connected device is powered on and functioning correctly. Try a different HDMI cable.
No sound, but picture is present	Check the volume level. Ensure the TV is not muted. Check audio output settings if using external speakers.
Remote control not working	Replace the batteries. Ensure there are no obstructions between the remote and the TV's IR sensor.
Network connection issues	Restart your router and modem. Re-enter Wi-Fi password. Try a wired Ethernet connection if possible.
Picture is distorted or unclear	Check the signal source. Adjust picture settings (brightness, contrast, sharpness). For antenna, adjust antenna position.

8. Specifications

Feature	Specification
Screen Size	75 inches
Model Number	75QM7L
Display Technology	SQD-Mini LED, QLED
Resolution	4K UHD (3840 x 2160)
Refresh Rate	144 Hz Native
Peak Brightness	Up to 3000 Nits
Dimming Zones	Up to LD2100 Precise Dimming Series (2100+ zones)
Processor	TSR AI Processor
Operating System	Google TV with Gemini

Feature	Specification
HDR Support	Dolby Vision IQ, HDR10, HDR10+
Audio	Audio by Bang & Olufsen, Dolby Atmos FlexConnect
Connectivity	Wi-Fi, Bluetooth, 4x HDMI (2x 4K@144Hz, 2x 4K@60Hz with 1 eARC), 3x USB (1x USB 3.0, 2x USB 2.0), Ethernet, Optical Audio Out
Dimensions (with stand)	65.6"W x 39.2"H x 14.5"D
Dimensions (without stand)	65.6"W x 37.8"H x 2.2"D
Weight	36 pounds
VESA Mount Compatible	Yes

9. Warranty and Support

9.1 Warranty Information

This TCL 75QM7L Series TV comes with a**1 Year Manufacturer Warranty**. Please refer to the warranty card included in your product packaging for full terms and conditions, including coverage details and limitations.

9.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official TCL support website or contact TCL customer service directly. Have your TV model number (75QM7L) and serial number ready when contacting support.

TCL Support Website: https://www.tcl.com/us/en/support

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