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› TCL 85-Inch Q6 QLED 4K Smart TV (Model 85Q650G) User Manual

TCL 85Q650G

TCL 85-Inch Q6 QLED 4K Smart TV (Model 85Q650G) User Manual

Comprehensive Guide for Setup, Operation, and Maintenance

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your TCL 85-Inch Q6 QLED 4K Smart TV, Model 85Q650G. This television features QLED Quantum Dot technology, 4K Ultra HD resolution, Google TV integration, Dolby Vision, Dolby Atmos, HDR Pro+, and Game Accelerator 120 for an enhanced viewing and gaming experience. Please read this manual thoroughly before using your television to ensure proper and safe operation.

WHAT'S IN THE BOX

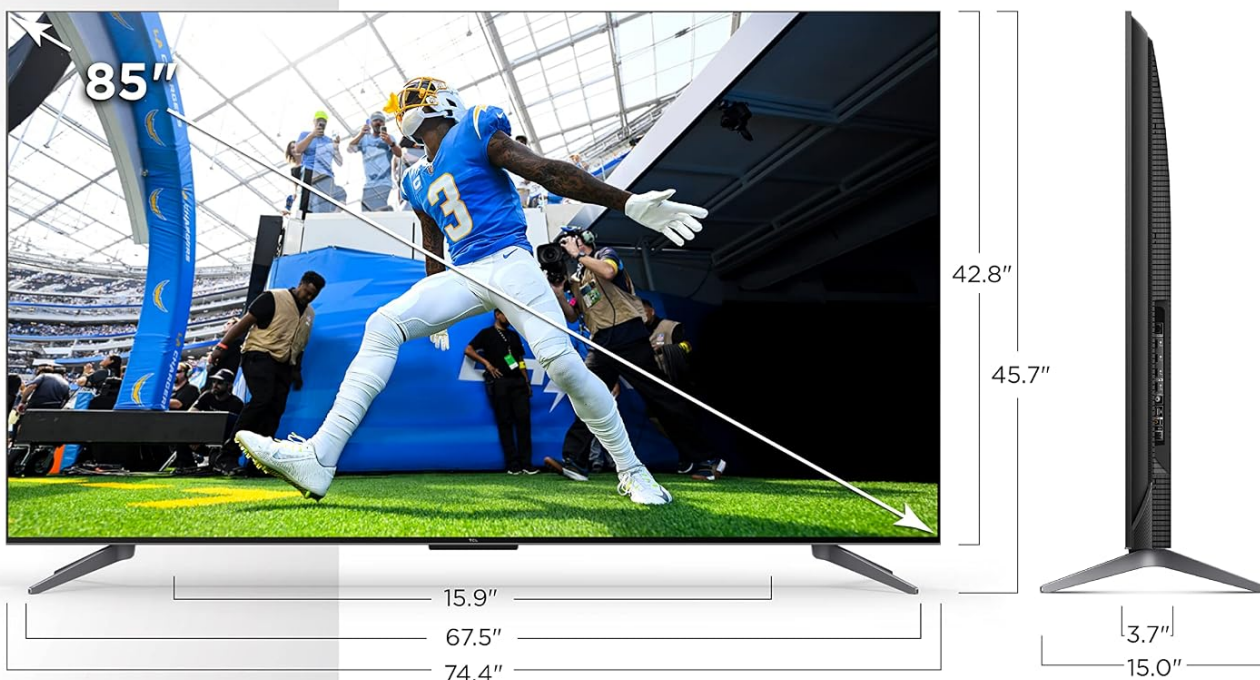
Verify that all components are present before proceeding with setup.

- TCL TV with Google TV
- TV Stands (2)
- Power Cable
- TV Remote + Batteries (2x AA batteries included)
- Quick Start Guide

TCL

85" Class (85" diag.)

85Q650G



Dimensions:

TV with Stand:
74.4" x 45.7" x 15.0"

TV without Stand:
74.4" x 42.8" x 3.7"

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: Diagram showing the dimensions of the TCL 85-inch TV and a list of items included in the box, such as the TV, stand, power cable, remote, and batteries.

SETUP GUIDE

1. Unpacking and Placement

Carefully remove the TV from its packaging. It is recommended that two or more people handle the TV due to its size and weight. Place the TV on a stable, level surface or prepare for wall mounting.

2. Stand Installation (Optional)

If you are not wall-mounting the TV, attach the included stands:

1. Place the TV face down on a soft, clean surface to prevent screen damage.
2. Align each stand with the corresponding screw holes on the bottom of the TV.
3. Secure the stands using the provided screws. Ensure they are tightened firmly.

3. Wall Mounting (Optional)

This TV is VESA compliant. For wall mounting, use a compatible VESA mount (sold separately) and follow the instructions provided with the wall mount. Ensure proper installation by a qualified professional if unsure.

4. Connecting Peripherals

Connect your external devices (e.g., cable box, Blu-ray player, gaming console) to the TV's input ports.

- **HDMI:** Use HDMI cables for high-definition video and audio. The TV features multiple HDMI inputs.
- **USB:** Connect USB storage devices for media playback.
- **Antenna/Cable:** Connect an antenna or cable TV feed for broadcast channels.
- **Ethernet:** For a wired internet connection.
- **Optical Audio Out:** For connecting to external audio systems.



Image: A detailed view of the side input panel on the TCL TV, showing ports for USB, Ethernet, HDMI, Cable/Antenna, Optical Audio Out, and AV In.



Image: A full rear view of the TCL TV, illustrating the overall design and placement of the input panel on the side.

5. Initial Power On and Google TV Setup

1. Plug the power cable into the TV and then into a wall outlet.
2. Press the power button on the remote control or on the TV.
3. Follow the on-screen instructions to complete the initial setup, including language selection, network connection (Wi-Fi or Ethernet), and Google account sign-in.
4. The Google TV interface will guide you through installing essential apps and customizing your preferences.

OPERATING INSTRUCTIONS

1. Remote Control

The included remote control provides access to all TV functions. Insert the two AA batteries as indicated in the battery compartment.







Image: A close-up view of the TCL TV remote control, highlighting its buttons and layout.

- **Power:** Turns the TV on or off.
- **Navigation Pad:** Use to move through menus and select items.
- **Back:** Returns to the previous screen.
- **Home:** Accesses the Google TV home screen.
- **Google Assistant:** Activates voice control for search and commands.
- **Volume +/-:** Adjusts the volume level.
- **Channel +/-:** Changes TV channels.
- **Input:** Selects the input source (HDMI, AV, etc.).
- **App Buttons:** Quick access to popular streaming services.

2. Google TV Interface

The Google TV interface organizes your content from various streaming services and live TV into a personalized home screen. Use the navigation pad on your remote to browse recommendations, access apps, and manage your profile.

3. Picture Settings

Access the picture settings menu to customize your viewing experience. Common adjustments include:

- **Picture Mode:** Select from presets like Standard, Movie, Sport, Game, or customize your own.
- **Brightness:** Adjusts the overall luminance of the screen.
- **Contrast:** Controls the difference between the brightest and darkest areas.
- **Color:** Adjusts the intensity of colors.
- **Sharpness:** Enhances edge detail.
- **HDR Pro+:** Supports Dolby Vision, HDR10, HDR10+, and HLG for enhanced contrast and color.
- **QLED Quantum Dot Technology:** Provides a wide color gamut for vibrant and accurate colors.
- **HighBright Direct LED Backlight:** Delivers brighter images for improved visibility.

4K Ultra HD Resolution

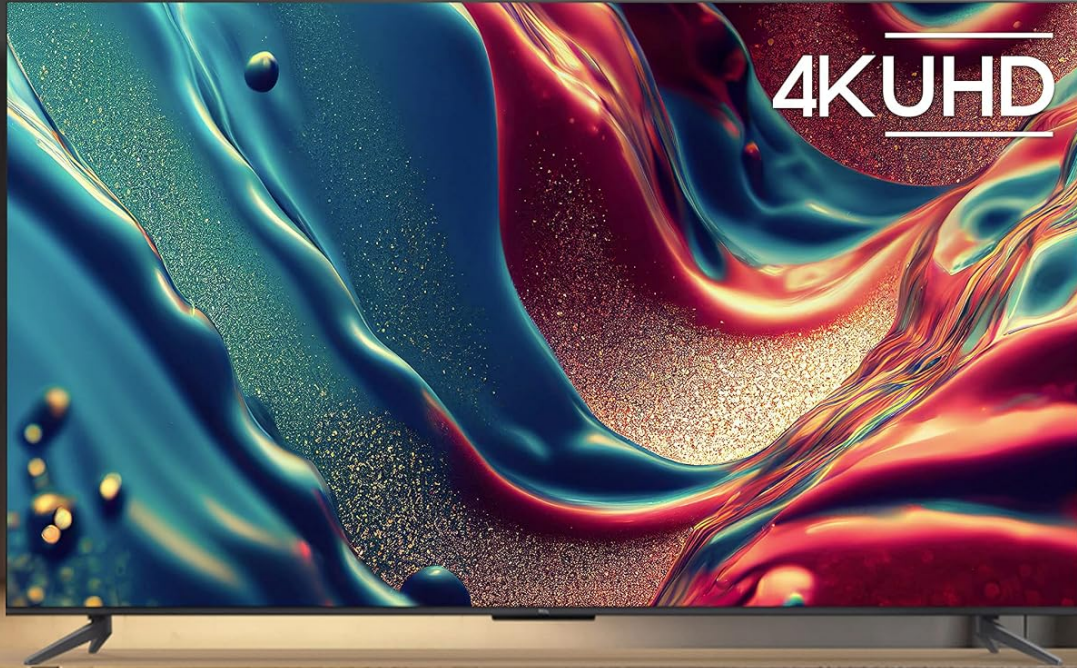


Image: The TCL TV screen showcasing vibrant 4K Ultra HD resolution with abstract colorful imagery.

QLED – Quantum Dot Technology with UltraWide Color Gamut



Image: A close-up of the TCL TV screen with "QLED" overlay, demonstrating the wide color gamut provided by Quantum Dot Technology with splashes of vibrant colors.



Image: The TCL TV screen showing a bright outdoor scene with hot air balloons, illustrating the effect of HighBright Direct LED Backlight for enhanced brightness.

HDR PRO+ (Dolby Vision, HDR10+, HDR10, & HLG)



Image: The TCL TV screen displaying a vibrant waterfall scene with the "HDR PRO+" logo, indicating support for advanced HDR formats like Dolby Vision, HDR10+, HDR10, and HLG.

4. Sound Settings

Adjust audio settings to optimize sound quality. The TV supports:

- **Dolby Atmos:** Provides immersive, multi-dimensional audio.
- **DTS Virtual:X:** Creates a virtual surround sound experience.

Dolby Atmos DTS Virtual:X

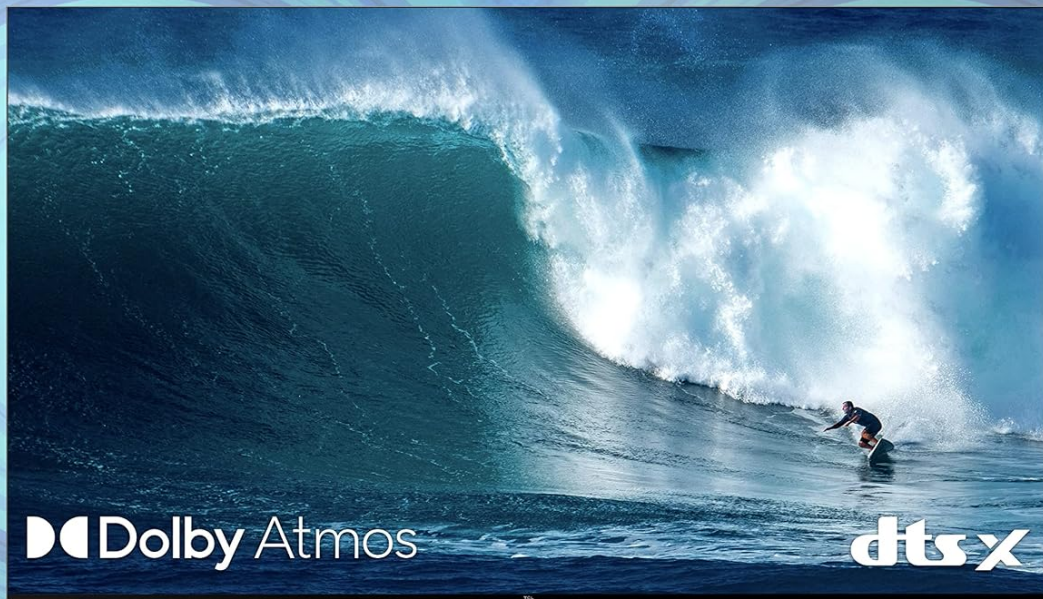


Image: The TCL TV screen showing a large ocean wave with "Dolby Atmos" and "DTS:X" logos, indicating advanced audio processing capabilities.

5. Gaming Features

The TCL Q6 TV is equipped with features to enhance your gaming experience:

- **Game Accelerator 120:** Optimizes motion clarity for smoother gameplay.
- **Auto Game Mode (ALLM):** Automatically detects when a game console is connected and switches to low-latency mode.
- **AMD FreeSync:** Reduces screen tearing and stuttering for fluid motion.
- **Motion Rate 240 with MEMC Frame Insertion:** Enhances motion clarity for fast-paced scenes.

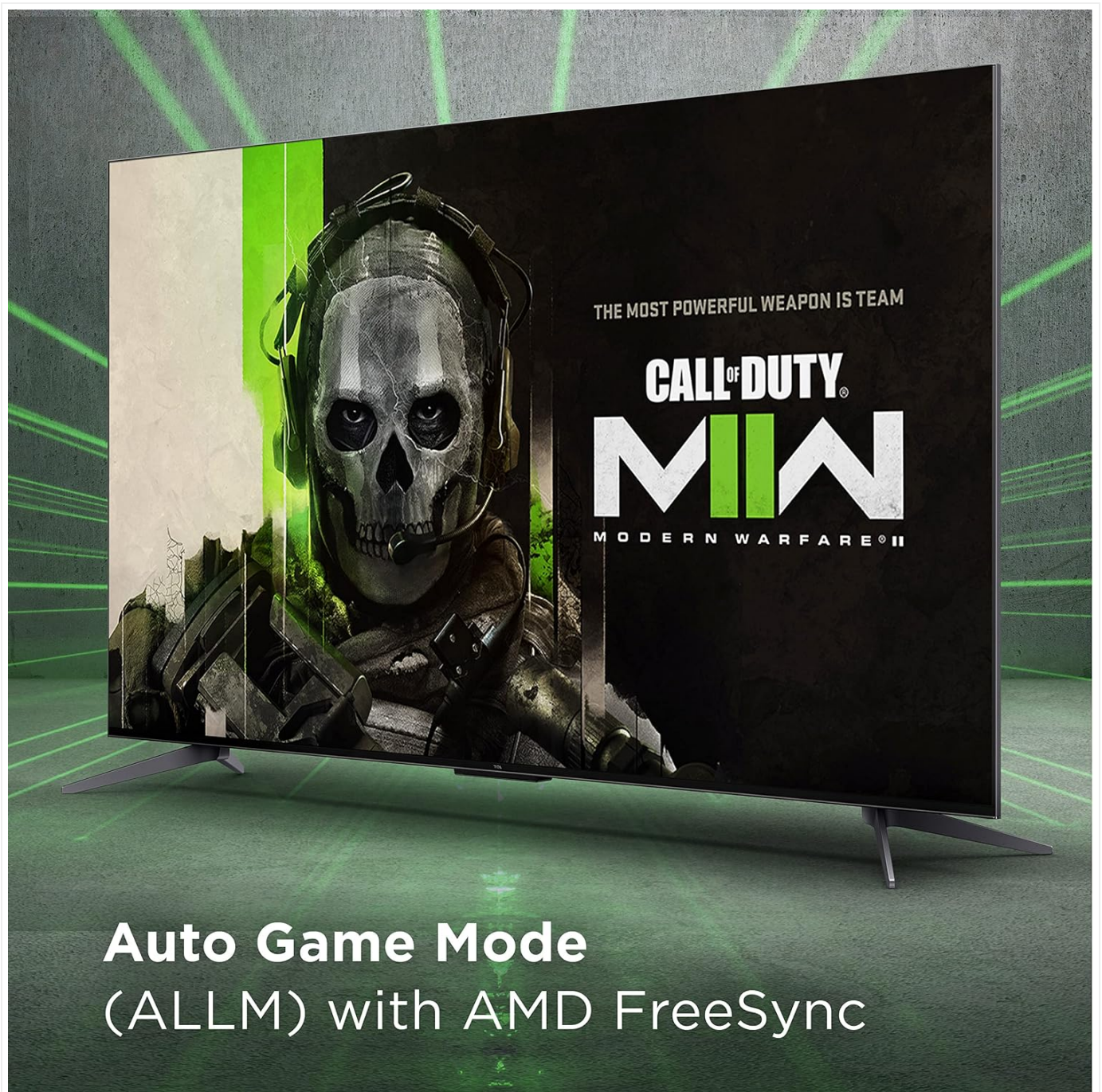


Image: The TCL TV screen showing a scene from a video game (Call of Duty) with "Auto Game Mode (ALLM) with AMD FreeSync" text, indicating features for optimized gaming.

Motion Rate 240 with MEMC Frame Insertion



Image: The TCL TV screen showing a motocross rider in motion, with a highlighted box indicating "Motion Rate 240 with MEMC Frame Insertion" for improved clarity in fast-moving scenes.

MAINTENANCE

- **Screen Cleaning:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, use a screen-specific cleaning solution applied to the cloth, not directly to the screen.
- **Cabinet Cleaning:** Wipe the TV cabinet with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Software Updates:** Ensure your TV's software is up to date for optimal performance and security. The TV will typically prompt you for updates, or you can check manually in the settings menu.
- **Ventilation:** Ensure adequate airflow around the TV. Do not block ventilation openings.

TROUBLESHOOTING

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

No Power

- Ensure the power cable is securely plugged into both the TV and a working electrical outlet.
- Check if the power outlet is functioning by plugging in another device.
- Press the power button on the TV itself, not just the remote, to rule out a remote issue.

No Picture or Poor Picture Quality

- Verify the correct input source is selected (e.g., HDMI 1, AV).
- Check all cable connections (HDMI, antenna) to ensure they are secure.
- Adjust picture settings (Brightness, Contrast, Picture Mode) in the TV menu.
- If using an external device, ensure it is powered on and functioning correctly.

No Sound or Poor Sound Quality

- Increase the volume on both the TV and any connected audio devices.
- Check if the TV is muted.
- Verify audio cable connections to external sound systems.
- In the TV's sound settings, ensure the correct audio output is selected (e.g., TV Speakers, Optical Out).

Remote Control Not Working

- Replace the batteries with new AA batteries.
- Ensure there are no obstructions between the remote and the TV's IR sensor.
- If it's a Bluetooth remote, try re-pairing it according to the on-screen instructions or the Quick Start Guide.

Network/Internet Connection Issues

- Check your router and modem to ensure they are powered on and functioning.
- Restart your router and modem.
- In the TV's network settings, try reconnecting to your Wi-Fi network or checking the Ethernet cable connection.
- Ensure the Wi-Fi password is entered correctly.

Slow Performance / Laggy Interface

- Ensure the TV's software is updated to the latest version.
- Close unused applications running in the background.
- Perform a soft reset by unplugging the TV from the power outlet for 60 seconds, then plugging it back in.
- As a last resort, consider a factory reset (note: this will erase all personal settings and installed apps).

SPECIFICATIONS

Feature	Detail
Brand	TCL
Model Number	85Q650G
Screen Size	85 Inches
Display Technology	QLED

Feature	Detail
Resolution	4K Ultra HD
Refresh Rate	60Hz
Operating System	Google TV
HDR Support	Dolby Vision, HDR10, HDR10+, HLG
Audio Technology	Dolby Atmos, DTS Virtual:X
Connectivity	Wi-Fi, Ethernet, HDMI, USB
Product Dimensions (with stand)	74.4" W x 45.7" H x 15.0" D
Product Dimensions (without stand)	74.4" W x 42.8" H x 3.7" D
Item Weight	96.8 pounds
Included Components	Remote Control, 2x AA Batteries, Stand, Power Cable, Quick Start Guide

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official TCL support website. TCL provides customer support for product assistance, technical inquiries, and service requests.

Online Support: Visit [TCL Support](#) for FAQs, troubleshooting guides, and software downloads.

Contact Support: Refer to your Quick Start Guide or the TCL website for phone numbers and operating hours for customer service.

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