

TCL 50Q6C 50-inch QD-Mini LED Smart TV User Manual

Model: 50Q6C

1. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before using your TV. Keep this manual for future reference. Always follow basic safety precautions to reduce the risk of fire, electric shock, and injury.

- Do not expose the TV to rain or moisture.
- Do not open the TV casing; refer all servicing to qualified personnel.
- Ensure proper ventilation and 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.

2. WHAT'S IN THE Box

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

- TCL 50Q6C 50-inch QD-Mini LED Smart TV
- Remote Control
- Power Cable
- User Manual (this document)

3. SETUP

3.1 Unpacking and Placement

Carefully remove the TV from its packaging. It is recommended that two people handle the TV to prevent damage. Place the TV on a stable, flat surface or prepare for wall mounting.

3.2 Stand Installation

If using the included stand, attach it securely to the TV following the instructions provided in the quick start guide. Ensure all screws are tightened to prevent the TV from wobbling.

3.3 Wall Mounting

The TCL 50Q6C supports VESA wall mounts. The VESA mounting pattern for this model is 300x300mm. Use appropriate wall mounting hardware (not included) and consult a professional for installation if unsure.

3.4 Connecting Peripherals

Connect your external devices to the TV's ports. Refer to the diagram below for port locations.



Image: Overview of the TCL 50Q6C TV's connectivity ports, including HDMI, USB, LAN, Optical, Cable, Satellite, and CI Slot.

- HDMI (x4):** Connect Blu-ray players, game consoles, and other HDMI-enabled devices.
- USB (x1):** Connect USB storage devices for media playback.
- LAN:** Connect an Ethernet cable for a wired internet connection.
- OPTICAL:** Connect to an external audio system for digital audio output.
- CABLE/SATELLITE:** Connect your antenna or satellite dish.
- CI SLOT:** Insert a Conditional Access Module (CAM) for encrypted channels.

3.5 Initial Power On and First-Time Setup

After connecting the power cable, press the power button on the remote control or TV. Follow the on-screen instructions to complete the initial setup, including language selection, network connection (Wi-Fi or Ethernet), and Google TV account login.

4. OPERATING INSTRUCTIONS

4.1 Remote Control

The included remote control (RC833A) allows you to navigate the TV's features. Insert two AAA batteries (not included) into the remote control.

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Image: The RC833A remote control for the TCL 50Q6C TV, showing various buttons for navigation, volume, channels, and smart TV functions.

- **Power Button:** Turns the TV on or off.
- **Navigation Buttons:** Use the directional pad and OK button to navigate menus.
- **Volume +/-:** Adjusts the volume level.
- **Channel +/-:** Changes TV channels.
- **Input Source:** Selects the input source (HDMI, USB, TV, etc.).
- **Home Button:** Accesses the Google TV home screen.
- **App Buttons:** Quick access to popular streaming services.

4.2 Smart TV Features (Google TV)

Your TCL 50Q6C TV runs on Google TV, providing access to a vast library of apps, movies, and shows. Navigate the home screen to find personalized recommendations, access your favorite streaming services, and manage your apps.



Image: The Google TV interface displaying various streaming service apps and content recommendations.

4.3 Picture Settings

Optimize your viewing experience by adjusting picture settings. The TCL 50Q6C features QD-Mini LED and QLED technology for superior image quality.



Image: A visual representation of QD-Mini LED technology, highlighting its precise backlight control and vibrant color reproduction.

- Picture Modes:** Select from preset modes like Standard, Dynamic, Movie, or Game.
- Brightness/Contrast:** Adjust for optimal light and dark levels.
- Color Saturation:** Enhance or reduce color intensity.
- HDR Premium 1000:** Experience enhanced contrast and detail in HDR content.
- AI PQ Pro Processor:** Utilizes AI for real-time optimization of contrast, color, clarity, motion, and HDR content.

4.4 Sound Settings

The TV features an Onkyo 2.1 Sound System with Dolby Atmos for an immersive audio experience.



Image: A living room scene with a TCL TV, illustrating the immersive audio experience provided by the Onkyo 2.1 sound system.

- **Sound Modes:** Choose from Standard, Music, Movie, Voice, or Game.
- **Dolby Atmos:** Enable for three-dimensional audio when available.
- **Equalizer:** Fine-tune audio frequencies to your preference.

4.5 Gaming Features

The TCL 50Q6C is equipped with features for an enhanced gaming experience.



Image: A sleek car depicted with motion blur, illustrating the smooth visuals provided by 144Hz Motion Clarity Pro technology.

- **144Hz Motion Clarity Pro:** Provides ultra-smooth motion for fast-paced games.
- **Game Master:** Automatically optimizes settings for gaming, including low input lag.
- **VRR (Variable Refresh Rate):** Synchronizes the TV's refresh rate with the game console's output to reduce screen tearing.
- **FreeSync Premium Pro:** Ensures fluid, artifact-free gameplay at virtually any framerate.

4.6 Voice Control (Hands-Free Google Assistant)

Use your voice to control the TV and access information through the built-in Google Assistant.

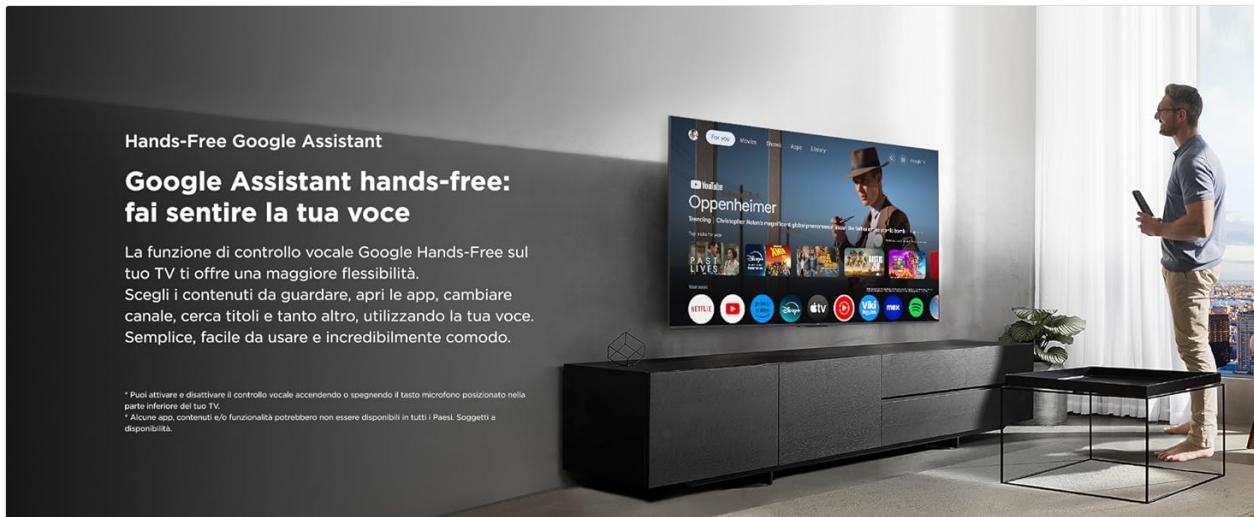


Image: A person interacting with a TCL TV using hands-free Google Assistant, demonstrating voice command functionality.

- Say "Hey Google" or "Ok Google" to activate the voice assistant.
- Give commands such as "Open Netflix," "Change to HDMI 1," or "What's the weather?"

4.7 Casting (Miracast, Google Cast, Airplay 2)

Share content from your smartphone, tablet, or PC directly to your TCL TV.

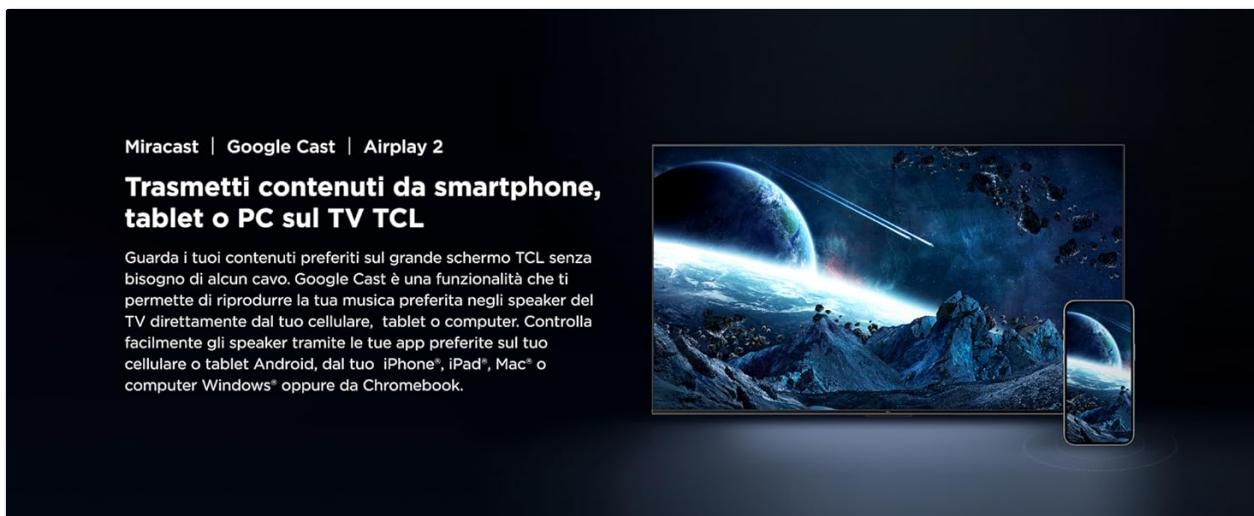


Image: A visual depicting content being cast from a smartphone and tablet to a TCL TV, highlighting Miracast, Google Cast, and Airplay 2 compatibility.

- Ensure your device and TV are connected to the same Wi-Fi network.
- Select the casting option on your device and choose your TCL TV.

5. MAINTENANCE

5.1 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 liquid directly onto the screen.

5.2 Cleaning the TV Body

Wipe the TV's frame and back panel with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

5.3 Software Updates

Periodically check for software updates through the TV's settings menu to ensure optimal performance and access to the latest features. Updates can be performed over Wi-Fi or Ethernet.

6. TROUBLESHOOTING

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

Problem	Possible Solution
No Power	Check if the power cable is securely connected to the TV and the power outlet. Try a different outlet.
No Picture, but Sound is Present	Ensure the correct input source is selected. Check cable connections to external devices.
No Sound, but Picture is Present	Check volume levels and mute status. Verify audio output settings if using external speakers.
Remote Control Not Working	Replace batteries. Ensure no obstructions between the remote and the TV's IR sensor.
Network Connection Issues	Restart your router. Reconnect to the Wi-Fi network or check the Ethernet cable connection.

For more detailed troubleshooting, refer to the support section on the TCL website or contact customer service.

7. SPECIFICATIONS

Feature	Detail
Model Number	50Q6CX1
Screen Size	50 Inches
Display Technology	QD-Mini LED, QLED
Resolution	4K (3840 x 2160)
Refresh Rate	144 Hz
HDR Support	HDR Premium 1000nits, Dolby Vision IQ
Sound System	Onkyo 2.1 Sound System, Dolby Atmos
Operating System	Google TV
Connectivity	Bluetooth, Ethernet, HDMI (x4), USB (x1), Wi-Fi
Special Features	All-domain Halo Control, HVA Panel, Eye Comfort Mode, Game Master, Motion Clarity Pro 144Hz
Dimensions (W x H x D)	111.1 x 67.9 x 28 cm (with stand)

Feature	Detail
Weight	13 kg
VESA Compatibility	300x300mm
Energy Efficiency Rating	E

8. WARRANTY AND SUPPORT

Your TCL 50Q6C Smart TV comes with a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official TCL website for detailed warranty terms and conditions specific to your region.

For technical support, troubleshooting assistance, or service requests, please visit the [TCL Support Website](#) or contact their customer service hotline. Have your TV's model number (50Q6CX1) and serial number ready when contacting support.

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