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› TCL 50P71K 50-Inch 4K QLED Smart Google TV User Manual

TCL 50P71K

TCL 50P71K 50-Inch 4K QLED Smart Google TV User Manual

Model: 50P71K

1. INTRODUCTION

This manual provides essential information for setting up, operating, and maintaining your TCL 50P71K 50-inch 4K QLED Smart Google TV. Please read this manual thoroughly before using the television to ensure proper and safe operation. Keep this manual for future reference.



Figure 1.1: Front view of the TCL 50P71K Television.

2. SAFETY INFORMATION

Always follow basic safety precautions when using this television to reduce the risk of fire, electric shock, and injury.

- Do not expose the television to rain or moisture.
- Do not block ventilation openings.
- Ensure proper grounding for the power cord.
- Unplug the television during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- TCL 50P71K 50-inch 4K QLED Smart Google TV
- Power Adapter
- Power Cable
- Remote Control
- TV Stand (2 pieces)
- User Manual (this document)

4. SETUP

4.1 Attaching the Stand

To attach the stand to your television:

1. Carefully place the TV face down on a soft, flat surface to prevent screen damage.
2. Align the stand pieces with the corresponding slots on the bottom of the TV.
3. Secure the stands using the provided screws. Ensure they are firmly attached.



Figure 4.1: Side view illustrating stand attachment and key dimensions.

4.2 Connecting Peripherals

The TCL 50P71K offers various connectivity options:

- **HDMI:** Connect external devices like Blu-ray players, gaming consoles, or set-top boxes.
- **USB:** For media playback from USB drives.
- **Wi-Fi:** Connect to your home network for internet access and smart features.
- **Bluetooth:** Pair wireless headphones, soundbars, or other compatible devices.



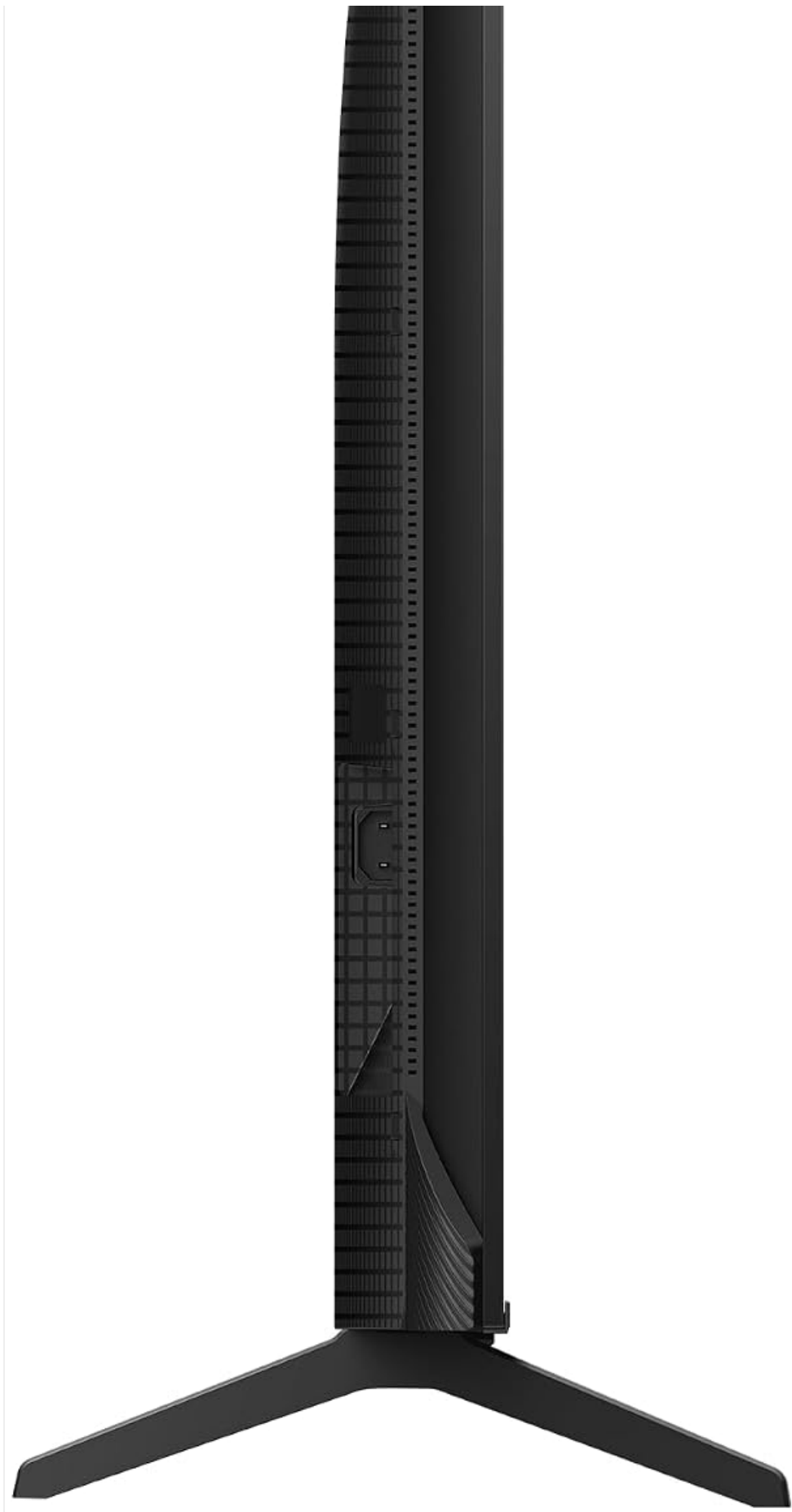


Figure 4.2: Rear panel connections for the TCL 50P71K.

5. OPERATING INSTRUCTIONS

5.1 Initial Power On and Google TV Setup

After connecting the power cable, press the power button on the remote control. Follow the on-screen instructions to complete the initial setup, including connecting to Wi-Fi and logging into your Google account for Google TV features.

5.2 Voice Control (Google Assistant)

The TV supports hands-free voice control via Google Assistant. Simply say "Hey Google" or "Ok Google" followed by your command to search for content, control smart home devices, or adjust TV settings.

5.3 Game Master Features

For an optimized gaming experience, the TV includes Game Master features. This mode automatically adjusts settings for lower input lag and enhanced visuals when a gaming console is detected. Access the Game Bar for quick adjustments to frame rate, HDR, and other game parameters.



Multiple Eye Care

Ready for a long journey

With a series of eye care technologies such as low blue light, natural light optimization, motion compensation, flicker free, etc, TCL P71K continues to protect your eye health. All you need to do is to enjoy movie the game.

Figure 5.1: Game Master interface for optimized gaming.

5.4 TCL Home Integration

Control other compatible TCL smart home devices directly from your television using the TCL Home application. This allows for centralized management of your connected appliances.



Game Bar

The game bar allows you to stay on top of your game while clearly monitoring the screen and game parameters (Frame rate, HDR, etc.) throughout the game, and quickly set them.

Figure 5.2: TCL Home app on the TV screen managing smart devices.

6. PICTURE AND SOUND SETTINGS

6.1 QLED Display Technology

The TCL 50P71K features QLED (Quantum Dot Light Emitting Diode) technology, providing a wide color gamut and enhanced brightness for vibrant and accurate colors. The Colorful Quantum Crystal material ensures long-term performance.



Figure 6.1: Illustration of Colorful Quantum Crystal technology.

6.2 HDR 10+ and Dolby Vision

High Dynamic Range (HDR) 10+ and Dolby Vision support deliver superior contrast, brightness, and color detail in compatible content, providing a more immersive viewing experience.



Figure 6.2: Visual representation of Dolby Vision's enhanced picture quality.

6.3 AiPQ Processor

The AiPQ processor utilizes AI-powered algorithms to optimize picture quality in real-time, enhancing clarity, motion, contrast, and color for various content types. It also supports multi-HDR formats.

AiPQ Processor

A beautiful mind

AiPQ Engine enabled TCL algorithm processes contents with stable and high quality 4K. Meanwhile, game accelerator technology gives you a smoother gaming experience. Now it's time to enjoy an authentic movie or game night.

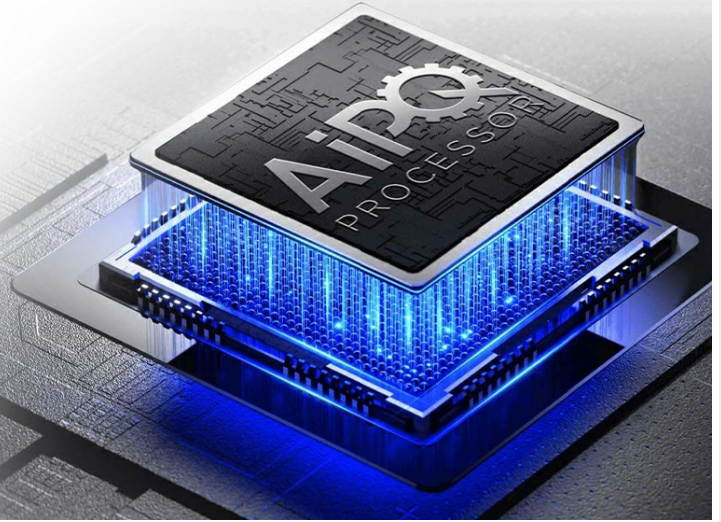


Figure 6.3: AiPQ Processor's intelligent image enhancement capabilities.

6.4 Dolby Atmos and DTS Virtual:X

Experience immersive audio with Dolby Atmos, delivering three-dimensional sound. DTS Virtual:X provides virtualized 3D sound, creating an enveloping audio experience without additional speakers.



Dolby Vision

Unveil an immersive scene

Picture yourself sitting at a theatre and watching the curtains rise as actors enter the stage. With Dolby Vision, you can experience a spellbinding scene right in front of you. You will feel as if you are in a theater rather than just watching it at home.

Dolby Vision is a trademark of Dolby Laboratories.

Figure 6.4: Visualizing the immersive sound of Dolby Atmos.

6.5 Multiple Eye Care Features

The TV incorporates several eye care technologies, including low blue light emission, natural light optimization, motion compensation (MEMC), and flicker-free display, designed to reduce eye strain during extended viewing.



Figure 6.5: Examples of scenes benefiting from eye care technologies.

7. MAINTENANCE

7.1 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. Avoid harsh chemicals or abrasive materials.

7.2 Cleaning the Cabinet

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

7.3 Software Updates

The TV may receive automatic software updates. Ensure your TV is connected to the internet to receive the latest features and performance improvements.

8. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
No power	Power cable disconnected; outlet issue	Check power cable connection; try a different outlet.
No picture, but sound is present	Incorrect input source; backlight issue	Verify input source; contact support if issue persists.
No sound, but picture is present	Volume muted; incorrect audio output settings	Unmute volume; check audio output settings in TV menu.
Remote control not working	Dead batteries; obstruction; pairing issue	Replace batteries; remove obstructions; re-pair remote if necessary.
Wi-Fi connection issues	Router problem; incorrect password	Restart router; re-enter Wi-Fi password; ensure TV is within range.

9. SPECIFICATIONS

TCL 50P71K 50-Inch 4K QLED Smart Google TV

Model Number	50P71K
Screen Size	50 Inches (127 cm visible diagonal)
Display Technology	QLED
Resolution	4K (3840 x 2160)
Refresh Rate	60 Hz (with MEMC)
Operating System	Google TV
Processor	AiPQ Processor
Memory (RAM + Storage)	2GB DDR4 + 16GB Flash
HDR Support	HDR 10+, Dolby Vision
Audio Technology	Dolby Atmos, DTS Virtual:X
Connectivity	Wi-Fi 5, Bluetooth 5.2, HDMI, USB
Voice Control	Hands-Free Google Assistant
Special Features	Bezel-Less Design, Game Mode, HVA Screen, Multiple Eye Care
TV Dimensions (W x H x D, with stand)	1111 mm x 684 mm x 254 mm
TV Thickness (without stand)	70 mm
Packaged Dimensions	12.8 x 136 x 83 cm
Packaged Weight	52 kg
Country of Origin	China

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official TCL website. Contact details for customer service can typically be found on the manufacturer's website or in your purchase documentation.

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

Answered questions about this manual

Can you provide a circuit diagram or schematics for the power supply board of the TCL 50P71K TV, specifically the values for R413 and QW2?

Unfortunately, the provided user manual for the TCL 50P71K does not include internal circuit diagrams, board schematics, or specific component values like R413 and QW2. Manufacturer user manuals typically focus on setup, operation, and...

[Read full answer](#)