**TCL 55Q651F**

# TCL 55-Inch Class Q65 QLED 4K Smart TV User Manual

Model: 55Q651F
Brand: TCL

Introduction | What's in the Box | Setup | Operating | Maintenance | Troubleshooting | Specifications | Warranty & Support

## 1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your TCL 55-Inch Class Q65 QLED 4K Smart TV with Fire TV (Model: 55Q651F). Please read this manual thoroughly before using your television to ensure proper and safe operation. Keep this manual for future reference.
The TCL Q6 Class Smart TV combines advanced picture technology with user-friendly features for an immersive entertainment experience. It features QLED Quantum Dot technology, HDR PRO+ with Dolby Vision, and Dolby Atmos audio for superior visual and auditory performance.

## 2. What's in the Box

Verify that all components are present before beginning installation.

- TCL 55-Inch Class Q65 QLED 4K Smart TV (Model: 55Q651F)
- 1x Quick Start Guide
- 1x Power Cord
- 1x TV Remote
- 2x AAA TV Remote Batteries
- 2x TV Stands
- 4x Stand Screws
- 2x Cable clips




Figure 2.1: Contents of the TV packaging, including the television, remote control, and stand components. The image also displays the TV's dimensions and a list of items in the box.

## 3. Setup

### 3.1 Physical Setup

Before setting up, ensure the TV is placed on a stable, flat surface or securely mounted to a wall using a compatible VESA mount (sold separately). For stand installation, align the stands with the designated slots on the bottom of the TV and secure them with the provided screws.




Figure 3.1: Front view of the TCL Q65 TV with its stand, ready for setup.

## 3.2 Connections

Connect your devices to the appropriate ports on the back or side of the TV. Ensure all cables are securely connected.

- **HDMI Ports:** Connect Blu-ray players, game consoles, cable boxes, etc. This model includes HDMI 1, HDMI 2, and HDMI 3 (eARC).
- **USB Port:** For connecting USB storage devices.
- **Ethernet Port:** For a wired internet connection.
- **Antenna/Cable In:** For connecting an antenna or cable TV.
- **Optical Audio Out:** For connecting to a soundbar or audio receiver.
- **AV In:** For connecting older devices using composite video and stereo audio cables.




Figure 3.2: Rear view of the TV's connectivity ports.




Figure 3.3: Side profile of the TV, illustrating its slim design and port access.

### 3.3 Initial Power On & First-Time Setup

1. Plug the power cord into the TV and then into a wall outlet.
2. Press the Power button on the remote control or on the TV itself.
3. Follow the on-screen instructions to complete the initial setup, which includes:
    - Language selection.
    - Network connection (Wi-Fi or Ethernet).
    - Fire TV account login or creation.
    - Channel scan (if using an antenna).

## 4. Operating Your TV

### 4.1 Basic Operation

- **Power On/Off:** Press the **Power** button on the remote.
- **Input Selection:** Press the **Input** button to cycle through connected devices (HDMI 1, HDMI 2, etc.).
- **Volume Control:** Use the **Volume Up/Down** buttons.
- **Channel Change:** Use the **Channel Up/Down** buttons for broadcast TV.
- **Navigation:** Use the directional pad and **Select** button to navigate menus.



Figure 4.1: TCL Fire TV Remote Control.

## 4.2 Smart TV Features (Fire TV Experience)

Your TCL Q65 TV integrates the Fire TV experience, providing access to a vast library of streaming content, apps, and live TV. The home screen offers personalized recommendations and quick access to your favorite services.

- **Streaming:** Access popular streaming services like Netflix, Prime Video, Disney+, Hulu, and more. Subscriptions may apply.
- **Alexa Built-in:** Use the voice remote to control your TV, search for content, check weather, and manage smart home devices by pressing the **Alexa** button and speaking your command.
- **App Store:** Download and install additional applications from the Fire TV Appstore.
- **Apple AirPlay 2 Compatibility:** Stream content directly from your Apple devices to the TV.




Figure 4.2: Fire TV Home Screen Interface.

## 4.3 Picture Settings

Optimize your viewing experience by adjusting picture settings. Access these settings through the TV's menu.

- **QLED Quantum Dot Technology:** Delivers rich, vibrant colors and enhanced brightness.
- **HDR PRO+ with Dolby Vision, HDR10+, HDR10, & HLG:**Supports advanced High Dynamic Range formats for superior contrast, color accuracy, and detail.
- **High Brightness+ LED Backlight:** Provides brighter images for an enhanced viewing experience in various lighting conditions.
- **Motion Rate 240 with MEMC Frame Insertion:** Improves motion clarity for fast-paced scenes in movies, sports, and games.




Figure 4.3: QLED vs. Conventional TV Color Comparison.




Figure 4.4: High Brightness Plus LED Backlight comparison.




Figure 4.5: Motion Rate 240 with MEMC for clear fast action.

## 4.4 Audio Settings

Enhance your audio experience with the following features:

- **Dolby Atmos Audio:** Provides advanced spatial audio processing for an immersive sound experience in movies, TV shows, and video games.
- **Enhanced Dialogue Mode:** Improves clarity and intelligibility of dialogue in various content.

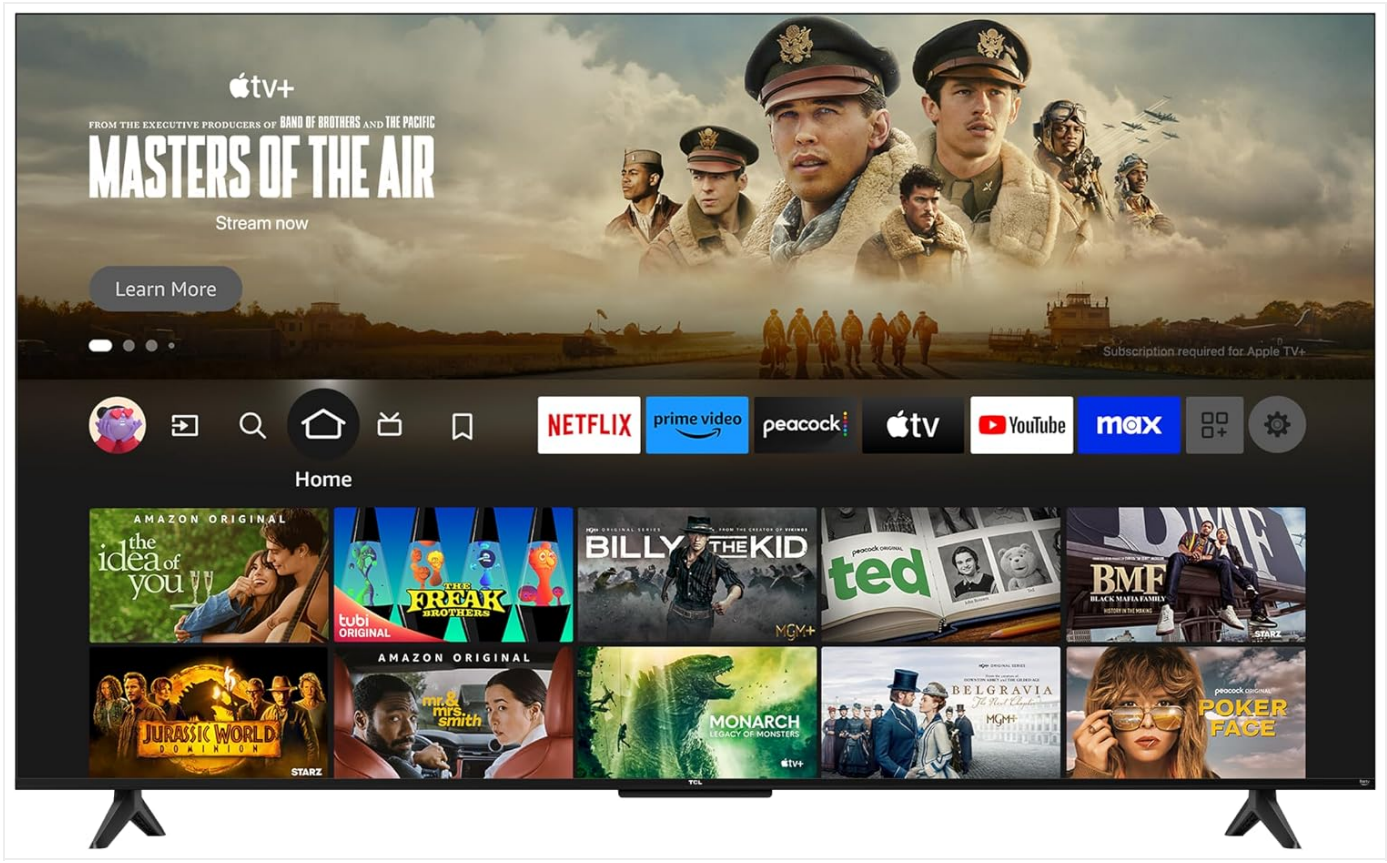



Figure 4.6: Dolby Atmos Audio for immersive sound.

## 4.5 Gaming Features

The TCL Q65 TV is designed to enhance your gaming experience:

- **Game Accelerator 120:** Offers up to 120 VRR (Variable Refresh Rate) for fast, fluid gameplay with reduced lag.
- **Auto Game Mode (ALLM):** Automatically activates game mode to minimize input lag and latency, providing a more responsive gaming performance.





Figure 4.7: Game Accelerator 120 for fluid gameplay.

## 5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your TV.

- **Cleaning the Screen:** Gently wipe the screen with a soft, dry microfiber cloth. For stubborn marks, slightly dampen the cloth with water or a screen-specific cleaning solution (never spray directly onto the screen).
- **Cleaning the Cabinet:** Use a soft, dry cloth to wipe the TV cabinet. Avoid using abrasive cleaners or solvents.
- **Ventilation:** Ensure proper airflow around the TV. Do not block ventilation openings.
- **Power Cord:** Regularly check the power cord for any damage.

## 6. Troubleshooting

Refer to the table below for common issues and their solutions. If the problem persists, contact customer support.

| Problem | Possible Cause | Solution |
|---|---|---|
| No Power | Power cord not connected; outlet not working. | Ensure power cord is securely plugged in. Test outlet with another device. |
| No Picture, but Sound is Present | Incorrect input source selected; external device issue. | Press the **Input** button to select the correct source. Check connections of external devices. |
| No Sound, but Picture is Present | Volume muted or too low; audio settings incorrect. | Unmute volume or increase level. Check audio output settings in TV menu. |
| Remote Control Not Working | Batteries dead or incorrectly inserted; obstruction. | Replace batteries. Ensure line of sight to TV's IR sensor. |
| Poor Picture Quality | Low-resolution source; picture settings need adjustment. | Ensure content is high-definition. Adjust picture mode and settings (brightness, contrast, color). |
| Wi-Fi Connection Issues | Router issues; incorrect password; signal interference. | Restart router. Re-enter Wi-Fi password. Move TV closer to router or reduce interference. |

## 7. Specifications

| Feature | Detail |
|---|---|
| Model Number | 55Q651F |
| Screen Size | 55 Inches (140 cm diagonal) |
| Display Technology | QLED |
| Resolution | 4K UltraHD (3840 x 2160) |
| Refresh Rate | 60 Hz (Motion Rate 240 with MEMC) |
| HDR Support | HDR PRO+ with Dolby Vision, HDR10+, HDR10, HLG |
| Audio Technology | Dolby Atmos, Enhanced Dialogue Mode |
| Smart TV Platform | Fire TV Experience, Alexa Built-in |
| Connectivity | Bluetooth, Wi-Fi, USB, Ethernet, HDMI (3 ports, including eARC) |
| Gaming Features | Game Accelerator 120 (up to 120 VRR), Auto Game Mode (ALLM) |
| Dimensions (with stand) | 48.3" W x 29.8" H x 10.1" D |
| Dimensions (without stand) | 48.3" W x 28.0" H x 3.2" D |
| Item Weight | 24.2 pounds |
| Color | Black |
| Special Features | Sleep Timer, Bezel-Less Design, Wide Color Enhancer, Parental Controls |

## 8. Warranty and Support

TCL provides a limited warranty for this product. For detailed warranty information, please refer to the warranty card included with your purchase or visit the official TCL support website. Keep your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or service inquiries, please contact TCL Customer Support. Contact information can typically be found on the TCL website or in the Quick Start Guide.
**Online Resources:** For the latest drivers, firmware updates, and additional support resources, visit the official TCL support website.

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