

TCL

androidtv



User Guide

www.tcl.com/us

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Illustrations in this guide are provided for reference only and may differ from actual product appearance.

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Important Information



Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

 This symbol indicates that this product incorporates double insulation between hazardous main voltage and user accessible parts. When servicing, use only identical replacement parts.

 This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

 This symbol indicates important instructions accompanying the product.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. This product should not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the apparatus.


The TV is unstable if it is not properly attached to the base or mounted to the wall. Please follow the base or wall mounting instructions provided in the User’s Guide to ensure your safety.

The batteries shall not be exposed to excessive heat such as sunshine, fire or the like. Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground should be connected to the grounding system of the building as close to the point of cable entry as practical.

Important: This television is a table model and is designed to sit on a firm, flat surface. Don’t place the TV on soft carpeting or similar surface because the ventilation slots on the bottom of the unit will be blocked, resulting in reduced lifetime from overheating. To assure adequate ventilation for this product, maintain a spacing of 1 inch from the top and side of the TV receiver and 2 inches from the rear of the TV receiver and other surfaces.

Also, make sure the stand or base you use is of adequate size and strength to prevent the TV from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage to the TV. Refer to the Important Safety Instructions on the next page.

The Power button  on this TV and your remote control puts the TV into a very low-power standby mode but will not completely turn the power off. In order to completely shut the power off, you will need to disconnect the power cord from the outlet. The mains plug/appliance coupler is used to completely turn off the device. If you prefer to completely turn off the device, you should install the TV in a manner that allows you to disconnect the power cord when desired.

Product Registration

Please register your TCL TV purchase on-line at www.tcl.com/us. It will make it easier to contact you should it ever be necessary. Registration is not required for warranty coverage.

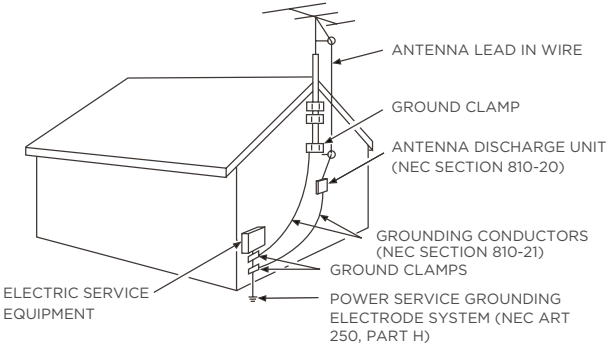
Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. Keep the apparatus at least 8 inches away from the human body.

For the best viewing experience, remove the energy guide label from the TV front panel or TV screen before use.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. **WARNING:** Please refer the information on exterior bottom enclosure for electrical and safety information before installing or operating the apparatus.
11. **WARNING:** The mains plug is used as disconnect device, the disconnect device shall remain readily operable.
12. When not in use and during movement, please take care of the power cordset, e.g. tie up the power cordset with cable tie or something like that. It shall be free from sharp edges and the like that can cause abrasion of the power cordset. When put into use again, please make sure the power cordset being not damaged. If any damages found, please look for the service person to replace the power cordset specified by the manufacturer or have the same characteristics as the original one.
13. No naked flame sources, such as lighted candles, should be placed on the apparatus.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Only use attachments/accessories specified by the manufacturer.
16. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
17. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
18. For safe operation of the apparatus, observe these installation requirements:
Keep at least 2 inches of ventilation space between the rear cover of the apparatus and the wall. Keep at least 1 inch of ventilation space between the apparatus and all other surfaces. Do not allow any of the apparatus' ventilation openings to be blocked by objects that might obstruct them, such as newspapers, curtains, table-cloths or any other objects. Do not expose the apparatus to any external heat sources. Do not place any heat sources such as candles, lamps, etc. on the apparatus. Do not expose the device to high levels of humidity or to any possible sources of moisture. When disposing of used batteries from the remote control, consult local regulations regarding proper disposal.

19. If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-2011 (Section 54 of Canadian Electrical Code, Part 1) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead in wire to an antenna-discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See following example:



Connections and setup

Before initial setup

Protect against power surges

- Connect all components before you plug any power cords into the wall outlet or power strip.
- NEVER plug your TV into an outlet that is controlled by a wall switch.
- Turn off the TV before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safety Instructions.

Safety information

- Prevent TV from overheating by placing in an area with good ventilation.
- Do not block ventilation holes on the TV. Position the TV so air can circulate freely on all sides.
- Do not stack objects on the TV.
- If you place the TV on a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier to the TV, place it on the top shelf so the heated air will not overheat the TV.

Avoid audio interference

- Position cables properly; insert each cable firmly into the designated jack.
- Route all cables down one side of the back of the TV instead of straight down the middle.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables.
- Keep twin lead cables away from audio/video cables.

Avoid direct light

- Do not place the TV where sunlight or room lighting is directed toward the screen. Use soft or indirect lighting.

Set up your new TV

Open the box and remove the TV and other items. Be careful, the TV may be heavy! We strongly recommend that at least two people unbox the TV.

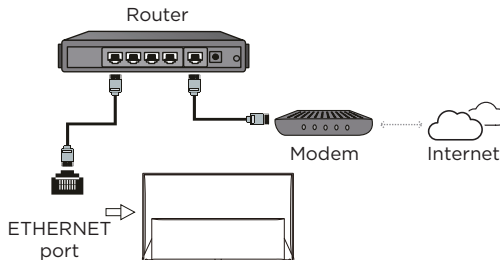
Be sure to check all the foam packaging as the stands from some TV's are stored in the foam for protection.

Refer to your TV's Quick Start Guide or other provided documentation for model-specific information about attaching the stands or a wall mount and making connections to AC power and to your other audio/video devices.

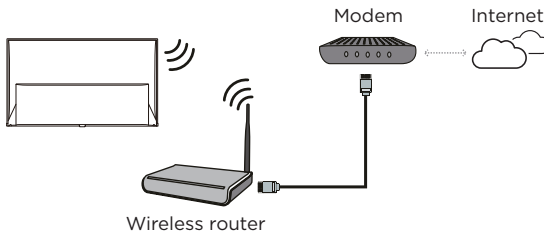
Connect to the Internet

The following instructions are just the usual ways to connect your TV to the wired or wireless network. The connection method may be different depending on your actual network configuration. If you have any questions about your home network, please refer to your Internet service provider.









Wired connection



Wireless connection



Network settings

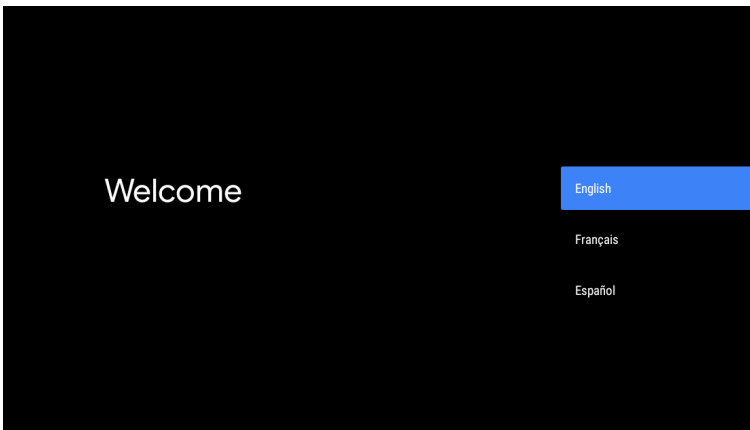
1. Press  on the remote control to display the Android TV homepage.
2. Press /// to move the cursor to  on the right top of the screen and press **OK** to enter the settings menu.
3. Press / to select **Network & Internet**, press **OK** to enter the submenu and follow the on-screen guidance to set up your network.

Switch the TV on and off

1. When the power cord is connected, the TV will be turned on directly or be in standby mode. If the TV is in standby mode, press the \odot button on the set or the \odot button on the remote control to turn it on.
2. To put the TV into standby mode, press the \odot button on the remote control. The TV set remains powered on, but with low energy consumption.
3. To completely turn the TV off, unplug the power cord from the wall outlet.

Initial setup

The first time you switch the TV on, the **Welcome** screen appears, which guides you through the initial setup process. Follow the on-screen instructions to finish the initial setup process including selecting the language, connecting to the network, and more. During each step, either make a choice or skip the step. If you skip a step, you can perform the setup later from the settings menu.



Basic TV operations

Accessing channels

Using the CH+/- buttons: in TV mode, press the **CH+/-** buttons on the remote control to scroll through the channels.

Using the OK button: in TV mode, press the **OK** button on the remote control to display the channel list and press **▲/▼/◀/▶** and **OK** to select channels.

Watching connected devices

Press **☐** on the remote control to display the source list. Press **▲/▼** to select TV or other input sources and press **OK** to confirm.

Adjusting volume

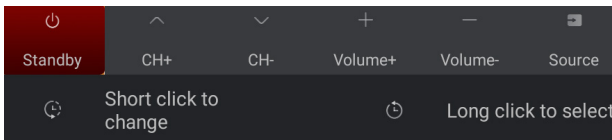
Press the **🔊+/-** buttons on the remote control to increase or decrease the volume. Press and hold the **🔊-** button for about 3 seconds to mute the sound.

Using the power button on your TV

In addition to using the remote control to control your TV, you can also use the button on your TV.

You can turn on the TV from standby mode by pressing the **⏻** button on your TV.

While the TV is on, the multi-function menu appears by pressing and holding the **⏻** button on your TV about 3 seconds. For more information on how to use the multi-function menu, please refer to the figure below.



- Press the **⏻** button to move the highlight to the next function selection.
- Press and hold the **⏻** button for more than 2 seconds to confirm your selection.




Note: Please refer to the Quick Start Guide to find the **⏻** button on your TV set.

Accessing Android TV homepage

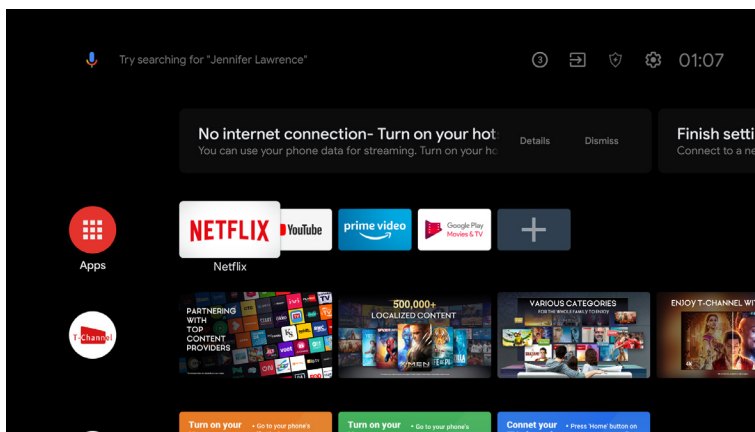
The Android TV homepage allows you to enjoy Internet Applications (Apps), specially adapted Internet websites, and change your TV settings.

WARNING:

- Configure the network settings before using Smart TV applications.
- Slow responses and/or interruptions may occur, depending on your network conditions.
- If you experience a problem using an application, please contact the content provider.
- According to circumstances of the content provider, an application's updates or the application itself may be discontinued.
- Depending on your country's regulations, some applications may have limited service or not be supported.
- Changes in application content may be made without prior notice by the service provider.

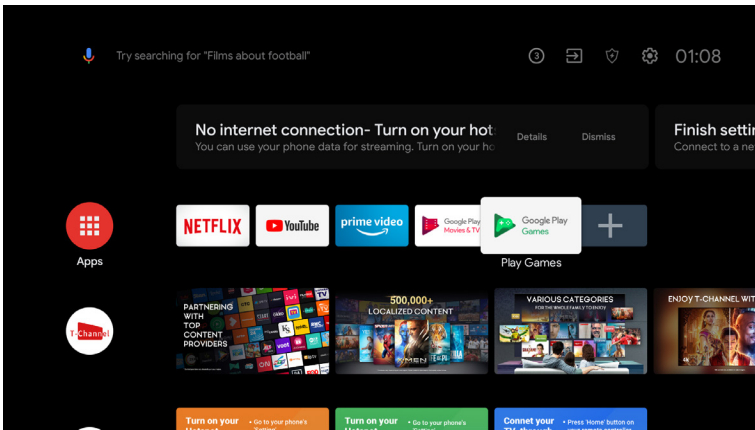
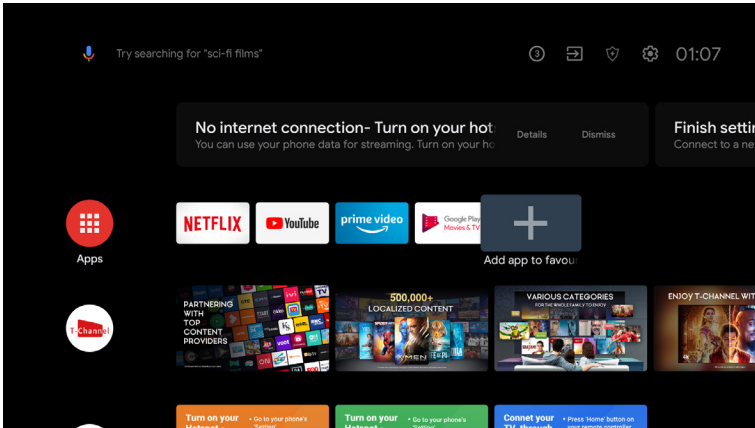
1. Press  on the remote control to display the Android TV homepage.
2. Press  and **OK** to enter the desired Apps, functions or settings.
3. Press  to return to the homepage.

Note: Since the connection to the Internet takes time, it's recommended that you wait a few minutes to use the Smart TV feature after you activate the TV from standby mode.



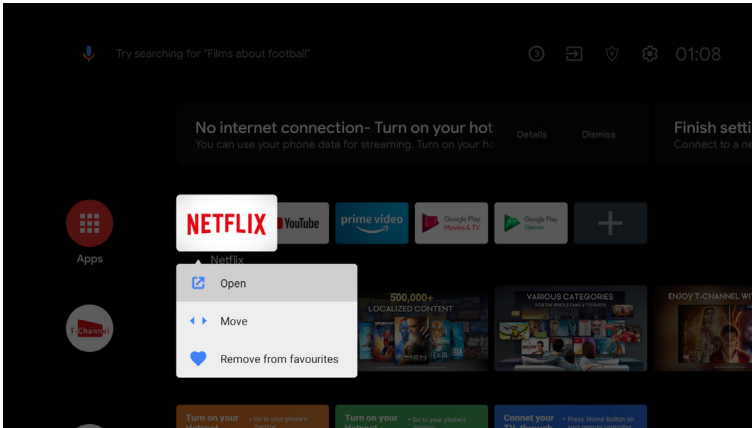
If you want to add more apps to the TV homepage:

- Select “+” at the end of the row of apps, and press the “OK” button on your remote to pop out “Select app” menu.
- Pressing ▲/▼ button to select the app you want to add.
- Press the “OK” button on your remote to confirm. The app you selected will appear at the end of the Apps row.












You can move apps or remove them from the favorites listed on the homepage:


- Select the app icon, and then long press (at least 3 seconds) the “OK” button on your remote until a drop-down menu appears.
- Select “Move”, and then press “OK” button to confirm. You can adjust the order of the selected app by pressing ◀/▶ and the “OK” button on the remote control.
- Select “Remove from favorites” to remove the app from the favorites.

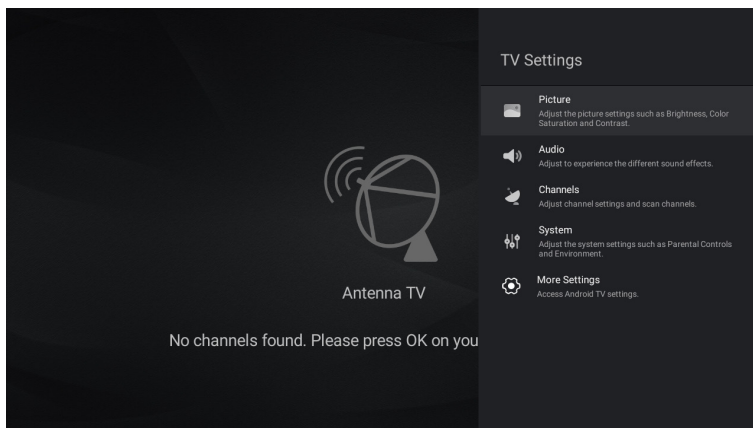


Using TV settings menu

Allows you to adjust TV settings, such as picture and sound.

1. Press  on the remote control to display the TV settings menu.
2. Press / to select the desired item, then press **OK**/ to enter the corresponding submenu.
3. In submenus, press / to select menu options, then press **OK**/ to enter the option list, the adjustment interface, or the corresponding submenu.
4. Press  to return to the previous menu.
5. Press  to close the menu.


Note: You can also press  on the remote control, select **TV settings** (if available) and press **OK** to enter the TV settings menu. Some options may not be available for certain signal sources.



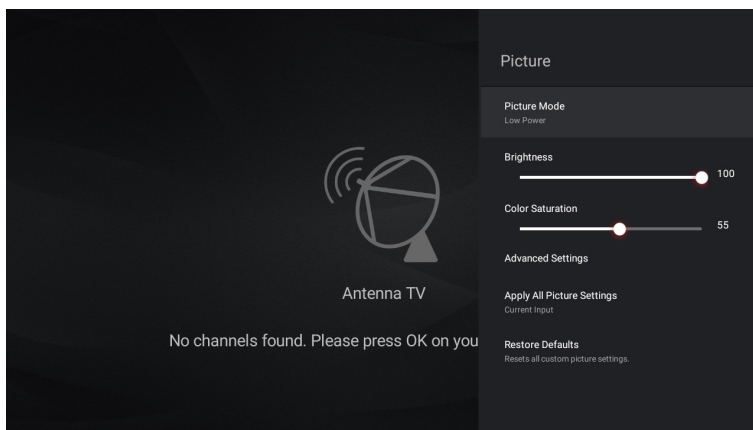
Adjusting your TV

Picture settings

The picture menus are used to obtain the best picture settings according to your preference and the type of program you are watching. The picture menus can be set up at every broadcasting type and every input source.

1. Press  on the remote control, select **Picture** and then press **OK**.
2. Press **▲/▼** to select the picture item you want to set, and then press **OK**.
3. Set the picture items to your preferences one by one.

Note: The options available may vary depending on the picture mode you set.



Picture mode: Select a picture mode optimized for different viewing conditions. Press **▲/▼** to select an option and then press **OK**.

Brightness: Adjust the luminance level of the screen. Press **◀/▶** to set the preferred brightness.

Color saturation: Adjust the color saturation level of the picture. Press **◀/▶** to set the preferred color saturation.

Advanced settings: Adjust more picture options.

Brightness settings: Adjust Brightness settings such as Contrast, Brightness and Black level.

Color: Adjust Color settings such as Color saturation, Temperature and Tint.

Clarity: Adjust the Clarity settings such as Sharpness and Digital noise reduction.


Screen settings: Adjust Screen settings such as Aspect ratio.

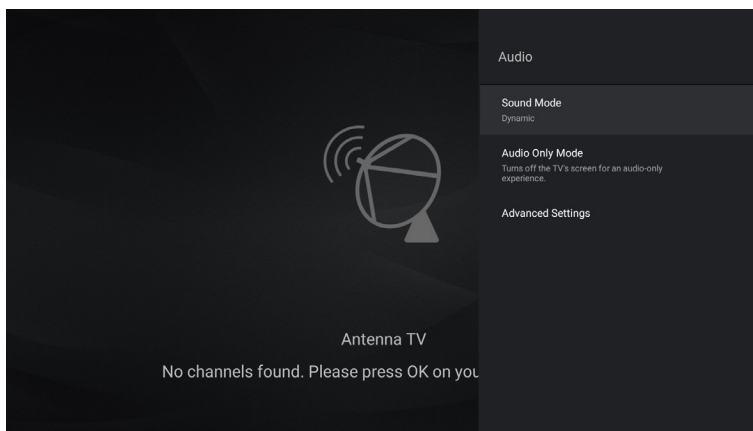
Apply all picture settings: Select whether to apply the picture settings to the current input or to all input. Press **▲/▼** to select an option and then press **OK**.

Restore defaults: Resets all custom picture settings. Press **▲/▼** to select **OK** and then press **OK**.

Audio settings

The audio menus are used to obtain the best audio settings to optimize audio output. The audio menus can be set up at every broadcasting type and every input source.

1. Press  on the remote control, select **Audio** and then press **OK**.
2. Press **▲/▼** to select the sound item you want to set, and then press **OK**.
3. Set the sound items to your preferences one by one.



Sound mode: Select a sound mode optimized for different viewing conditions. Enter the **Sound mode** menu and press **▲/▼** to select an option and then press **OK**. Select **Reset** to restore all sound preset to factory defaults.

Audio only mode: Select to switch off the TV display and only listen to the sound from the TV. The TV screen will turn off in about 10 seconds. In audio only mode, press any key to turn on the TV screen again.

Advanced settings: Adjust more sound options.

Balance: Adjust the level of sound sent to the left and right speakers.


Auto volume control: Equalize audio for a more relaxed experience.

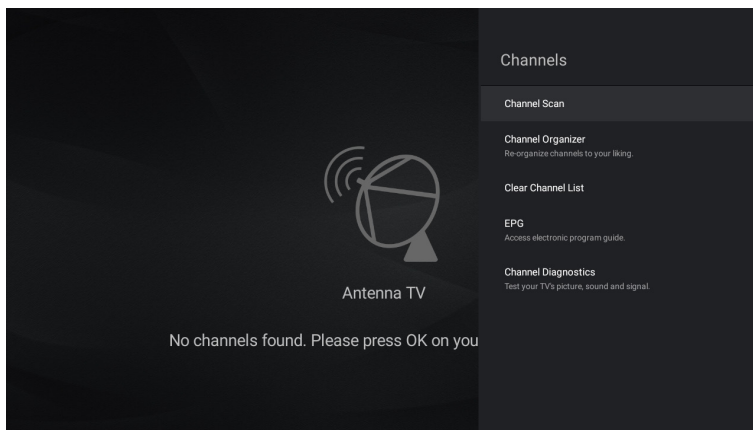
Digital audio out: Select the digital audio output format.

Digital audio out delay: Correct timing mismatches between the audio and video tracks. This option is only available when Digital audio out is set to PCM.

Channels settings

The channel menus are used to scan and maintain your channels, and access the Electronic Program Guide. The channel menus are only available in TV mode.

1. In TV mode, press  on the remote control, select **Channels** and then press **OK**.
2. Press **▲/▼** to select the channel item you want to set, and then press **OK**.
3. Set the channel items to your preferences one by one.



Channel scan: Search channels automatically or manually.

Country/Region: The TV installs and arranges channels according to your country or region. Press **▲/▼** to select **Country/Region**, and press **OK/▶** to enter. Enter the default password 1234 or your own password in case you have changed the password in the **System > Lock** menu. Press **▲/▼** to select your country or region and press **OK** to confirm.

Scan automatically: Press **▲/▼** to select **Scan automatically** and press **OK/▶** to enter. Press **▲/▼/◀/▶** to select Tuner mode and other options, then press **▼** to select **Search** and press **OK** to start scanning channels.

Manually scan: Scan channels manually by entering parameters such as channel number or frequency.

Channel organizer: After the automatic search, channels are arranged in a preset order. If you want to edit the channel list, select **Channel organizer** and press **OK/▶** to enter.


Clean channel list: Reset all channel lists.

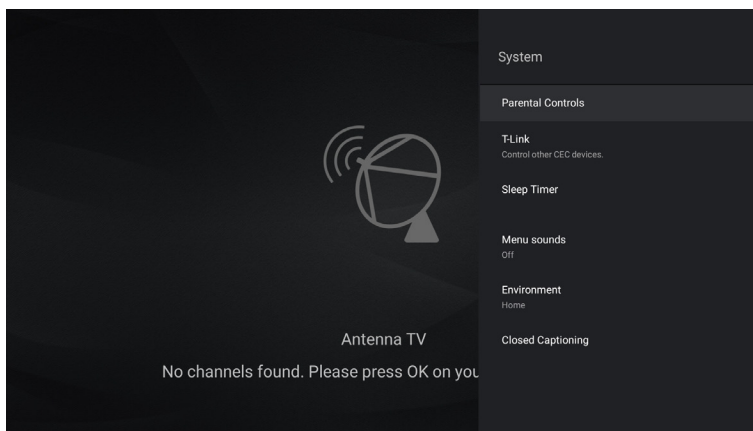
EPG: Access electronic program guide.

Channel diagnostics: Test your TV's picture, sound and signal.

System settings

The system menus are used to adjust the system settings for your TV.

1. Press  on the remote control, select **System** and then press **OK**.
2. Press **▲/▼** to select the system item you want to set, and then press **OK**.
3. Set the system items to your preferences one by one.



Parental controls: You can set the parental control feature to restrict the viewing of programs by children under the specified age limit. You must set a four-digit password before using the parental control feature. Password will be required to watch a program subject to watching restriction. Enter the default password 1234 to access the submenu.

Channel lock: Use this function to lock the channels which you don't want children to watch.

Parental ratings: You can set the parental rating to US, Canada or unrated.

Inputs lock: You can choose an input source of the TV and lock it. There are Antenna TV, HDMI1, HDMI2, HDMI3 and AV inputs for you to choose.

TV buttons lock: You can lock the buttons of the TV panel. Press **OK** to turn it on.

Channel scan lock: Set the restriction of channels scan. Press **OK** to turn it on.

Change password: You can change the password of parental controls.

Max volume: Set the max volume of the TV.

Reset parental controls: Reset all custom parental control settings.

T-Link: Use this function to search for CEC devices connected to the HDMI inputs in your TV and enable auto power on and auto standby between the TV and CEC devices.

Auto power on: Enables the TV to automatically power on when you power on a CEC device (e.g. DVD) with the device's remote.

Auto Standby: Enables all CEC devices to automatically go to the standby mode when you turn off the TV with the TV remote.

Sleep timer: Set the standby time of the TV.

Menu sounds: Select whether to play a sound when pressing a button from the remote control to select menu options. Press **▲/▼** to select an option and then press **OK**.

Environment: You can choose the environment in which your TV is used. Press **▲/▼** to set your environment, and then press **OK**.

Advanced settings: Adjust more system options.

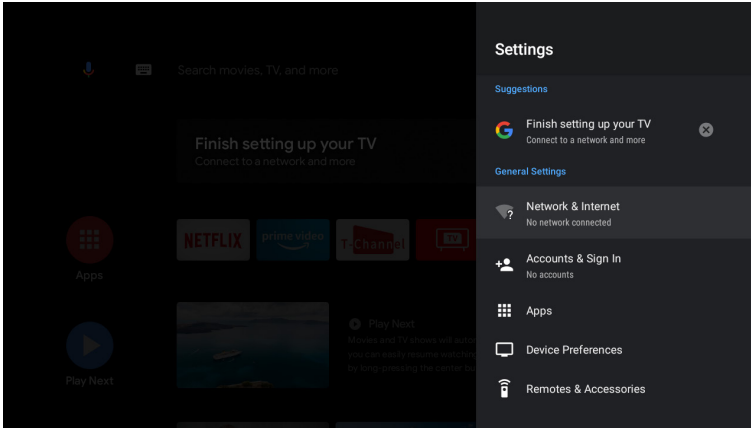
LED indicator: You can set the LED indicator to be flashing, off, or on when the TV is in standby mode. Press ▲/▼ to select your option, and then press **OK**.

Closed captioning: Many programs are encoded with closed captioning information, which allows you to display the audio portion of a program as text on the TV screen.

Android TV settings

Allow you to configure settings of Android TV features, such as network, accounts, apps, device preferences, remotes and accessories, etc.

1. Press **⏠** on the remote control to display the Android TV homepage.
2. Press **▲/▼/◀/▶** to move the cursor to **⚙️** on the right top of the screen and press **OK** to enter the settings menu.
3. In submenus, press **▲/▼** to select menu options, then press **OK** to enter the option list or the corresponding submenu.
4. Press **←** to return to the previous menu.
5. Press **⏠** to close the settings menu and return to the homepage.



Suggestions






- **Finish setting up your TV:** Add a Google account or sync the registered Google account to make the most of your TV.

General settings

- **Network & Internet:** Configure the Wi-Fi and internet settings. The network status is also displayed.
- **Accounts & Sign In:** Sign in your Google account to make the most of your TV. And there are two methods you can choose to sign in. The first one means that you should visit androidtv.com/setup with your phone or computer and then login the Google Account. We recommend to select the second one that use your remote to sign in on the TV directly.
- **Apps:** View the TV guard and the list of recently opened apps, all installed apps and the system apps. You can also add permissions for different apps, and configure special app access to optimized energy and set usage access, notification access, picture-in-picture mode, and more.
- **Device Preferences:** Set the preferences of the Android TV.
- **Remotes & Accessories:** Search for Bluetooth accessories and pair them with your TV. You can set up your TV to make it visible to all nearby Bluetooth devices.

Setting Android TV preferences

Follow these instructions to configure various Android TV settings.

1. Press  on the remote control to display the Android TV homepage.
 2. Press  to move the cursor to  on the right top of the screen and press **OK** to enter the settings menu.
 3. Press  to select **Device Preferences** and then press **OK**.
 4. Press  to select the items you want to set, and then press **OK**.
- **About:** Check the detail information of the TV, such as, product information, system update, device name, status, model and version, ect. And you can also view legal information, user agreement/terms and restart the TV.
 - **Quick start:** Configure quick start on function. When enabled, the TV will power up faster.
 - **Inputs:** You can see the connected input and standby inputs. And set the name these inputs and select whether to display them in the input list.
 - **Date & time:** Set the date and time. You can choose whether to auto synchronize or to manually set the date and time. You can also set the time zone and choose to use 24-hour format.
 - **Language:** Select a menu language. The selected menu language will also be set as the voice recognition language.
 - **Keyboard:** Configure the settings of the on-screen keyboard. You can set language and check the version and user agreements of the current keyboard. You can also add new virtual keyboards or active virtual remote keyboard.
 - **Storage:** View the memory usage status, clear data, cache and defaults, and to open, force stop or disable an app. Besides, you can add or remove an app's permissions to access your contacts, location, and microphone, etc.
 - **Home screen:** Customize channels, enable video and audio previews, reorder apps and games, and view the open source licenses for Android TV home and Android TV core services.
 - **Google Assistant:** Configure the Google search settings, including selecting which apps to include in search results, enabling the SafeSearch filter, blocking offensive words and open source licenses.
 - **Chromecast Android Shell:** View the version number and open source licenses of Chromecast.
 - **Screensaver:** Configure the screen saver settings, including the way of screen saver, the inactivity time after which to start screen saver, the inactivity time after which to put the TV to sleep, the sleep timer, or to start screen saver right now.
 - **Location:** Set whether to use Wi-Fi to estimate location and view the list of apps that requested the location recently.
 - **Usage & diagnostics:** Set whether to automatically send diagnostic information to Google or not.
 - **Security & restrictions:** Configure settings of unknown sources, app verification, and restricted profile.
 - **Accessibility:** Configure captions, high contrast text, text to speech. Set the talkback and switch access.
 - **Reset:** Restore your TV to its original factory settings.

Other information

Password in Parental Control

- The default password is 1234. You can change it to a new one.
- The super password is 0423. If you forget your code, enter the super password to override any existing codes.

Troubleshooting

Please check the following list before requesting service.

There is no picture or sound.

- Make sure the power cord is properly inserted in the power outlet.
- Make sure the source type is set correctly.
- Make sure the antenna is properly connected.
- Make sure the volume is not set to minimum or the sound is not set to mute.
- Make sure the headphones are not connected.
- The TV may be receiving a signal other than from TV broadcasting stations.

Picture is not clear.

- Make sure the antenna cable is properly connected.
- Consider whether your TV signal is being properly received.
- Poor picture quality can occur due to a VHS camera, camcorder, or other peripheral being connected at the same time. Switch off one of the other peripherals.
- The 'ghost' or double image may be caused by obstruction to the antenna due to high-rise buildings or hills. Using a highly directional antenna may improve the picture quality.
- The horizontal dotted lines shown on the pictures may be caused by electrical interference, e.g., hair dryer, nearby neon lights, etc. Turn off or remove these.

Picture is too dark, too light or tinted.

- Check the color adjustment.
- Check the brightness setting.
- Check the sharpness function.

Remote control does not work.

- Check the batteries of the remote control.
- Make sure the remote sensor window on the front of the TV is not in strong fluorescent lighting.
- Try to clean the remote sensor window on the front of the TV with a soft cloth.

If the above suggestions do not solve your technical issue, please refer to the warranty card for service information.

Broadcasting & Operating Environment

Broadcasting system	US System NTSC-M ATSC standard (8VSB), QAM
Receiving Channels	VHF2-13 UHF14-69 CATV 14-36 (A)-(W) 37-59 (AA)-(WW) 60-85 (AAA)-(ZZZ) 86-94 (86)-(94)95-99 (A-5)-(A-1) 100-135 (100)-(135) 01 (4A)
Tuner type	Frequency synthesized
Operating Temperature	5°C to 35°C (41°F to 95°F)
Operating Humidity	20% to 80%, non-condensing
Storage Temperature	-15°C to 45°C (5°F to 113°F)
Storage Humidity	10% to 90%, non-condensing

Electronics recycling information for consumers

TCL strives to provide a high level of service to our customers and in the communities we serve, and recommends that consumers always look for a recycling or reuse alternative to throwing away televisions and other electronics. We encourage customers to recycle end-of-life electronic devices using one of the many convenient methods available today. In many states TCL has programs in place to enable consumers to drop-off and recycle televisions free of charge. For information on electronics recycling in all 50 states, including drop-off locations, please visit the “Electronics Recycling” area of the TCL USA website at www.tcl.com/us.

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