TCL The Creative Life

# User's Guide

For use with model: 28D2700

*Need assistance?*
*visit our website at www.tclusa.com*
*or call 1-877-300-8837*
*or 1-877-800-1269 in AK, HI or Puerto Rico.*

*Figures and illustrations in this User's Guide are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.*

# Important Information

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

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

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 “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.

**WARNING**

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.

| **WARNING** | 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.

FCC regulations state that unauthorized changes or modifications to this equipment may void the user’s authority to operate it.

**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 4 inches 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 (followed by the power symbol) 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 as disconnect device, the disconnect device shall remain readily operable. Therefore, you should ensure that the TV is installed in a manner that allows you to disconnect the power cord when desired.

## Product Registration

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

## Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. These numbers are located on the product.

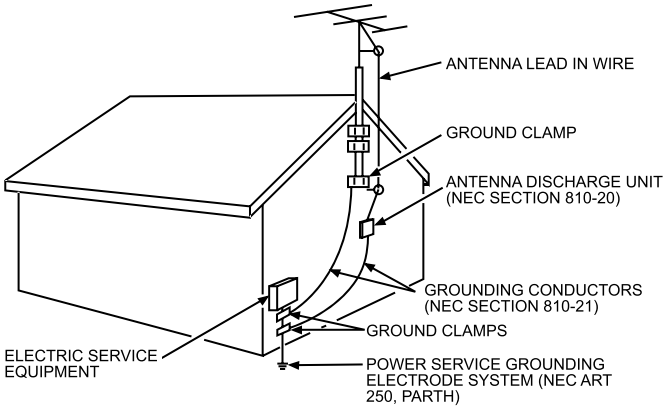
**Model No. _____** **Serial No._____**

**Purchase Date _____** **Dealer/Address/Phone_____**

# 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. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.

12. 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.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.
15. 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:



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## Precautions

Read all of the instructions before operating the set. Keep these instructions well for future use.

### Product

- Do not block or cover the ventilation openings on the back cover.
- Do not push objects of any kind into this unit through the cabinet slots as they could touch the current carrying parts or short-circuit parts, resulting in fire, electric shock, or damage to the unit.
- Do not attempt to open the cabinet as this may cause damage. There are no parts inside you can service by yourself. Refer all servicing to qualified personnel.
- Do not touch the screen surface with fingers as this may scratch or mar the TV screen.
- Do not impact the TV screen with hard pressure as this may damage the TV screen severely.

### Power and Plug

- Unplug the set under the following conditions:

  - If the set will not be used for a long period of time.

  - If the power cord or the power outlet/plug is damaged.

  - Follow the instructions to install and adjust the product. Adjust those controls that are covered in this operating instructions as improper adjustment of other controls may result in damage. If this happens, unplug the set and refer to the service personnel.

  - If the set is subject to impact or has been dropped to have the cabinet damaged.

- Where the mains plug or an appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.
  (* Where an all-pole mains switch is used as the disconnect device, the switch shall remain readily operable.)

### Power Cord and Signal Cable

- Do not allow anything to rest on or roll over the power cord and the signal cable.
- Protect the power cord and the signal cable from being trampled.
- Do not overload the power cord or the power outlet.
- Do not expose the power cord and the signal cable to moisture.

### Use Environment

- Do not place the set on an unstable cart, stand, or table.
- Place the set on a place that allows good ventilation.
- Do not use the set near damp, and cold areas. Protect the set from overheating.
- Keep the set away from direct sunlight.
- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Do not use the set near dust place.

### Cleaning

- Dust the set by wiping the screen and the cabinet with a soft, clean cloth or some special liquid cleaner.
- Do not apply excessive force to the screen when cleaning.
- Do not use water or other chemical cleaner to clean the screen as this may damage the surface of the TV screen.

### Hanging the TV Set on the Wall

**Warning: This operation requires two people.**

To ensure a safe installation, observe the following safety notes:

- Check that the wall can support the weight of the TV set and wall mount assembly.
- Follow the mounting instructions provided with the wall mount.
- The TV set must be installed on a vertical wall.
- Make sure to use only screws suitable for the material of the wall.
- Make sure that the TV set cables are placed so that there is not danger of tripping over them.

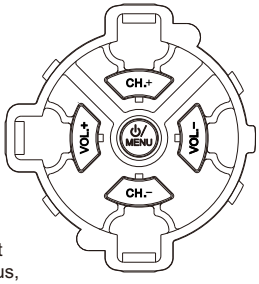
All other safety instructions about our TV sets are also applicable here.

***Note:***
***Graphics contained within this publication are presentation only.***

***Warning: the batteries shall not be exposed excessive heat such as sunshine, fire or the like.***

## Buttons on the TV

**Take a certain model for an example:**




1. ⏻ /**MENU** button
   Turns the TV on or standby. The TV is on,press it,brings up the main menu or press to return to the previous menu.Before enter menu, long press ⏻/**MENU** button for 2 seconds to display Source Select. Long press it for 5 seconds to go to Standby.

2. **VOL. +/-** button
   Increases/decreases the volume. In the menu system, they act like the right/left direction buttons on the remote and adjust menu controls. (Note: In some menus, VOL.+ also acts like the OK button on the remote.)

3. **CH. +/-** button
   Scans up/down through the channel list. In the menu system, they act like the up/down direction buttons on the remote and adjust menu controls.

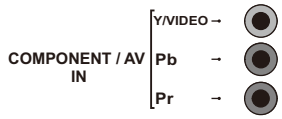
   ***Note*:** Under USB condition, **CH.+** button acts like INPUT button in remote to select different sources and **CH.+/-** button can't work act like up/down direction buttons . Press **CH.-** button to display or cancel the menu at bottom. ⏻/**Menu** button can act like the OK button on the remote.

## Sockets

*Note: The location and names of the sockets on the TV may vary according to TV model, and not all sockets available on all models.*

**USB socket (input)**
This socket can be used to connect an USB device.

**HDMI1 and HDMI2 socket (input)**
The HDMI (High-Definition Multimedia Interface) socket can be used to connect a PC with a compatible video card installed, certain DVD players or a high-definition compatible digital satellite decoder. This socket provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable.




**AV(VIDEO)/YPbPr component sockets (input)**

These AV(VIDEO)/Y sockets can be used to connect a device that has component video sockets, such as a DVD player. The component sockets can recognize if the device you're connecting to is Y Pb Pr compatible. The component sockets provide excellent picture quality because the video is separated into three separate parts.

**AV & PC & COMPONENT AUDIO IN**

These AUDIO IN L & R sockets can be used to connect a range of equipment, including video recorders, camcorders, satellite receivers, DVD players, or games consoles. AUDIO IN sockets are shared by AV,VGA and YPbPr sockets.

**SPDIF/AUDIO sockets (output)**

**PC socket (input)**
This socket can be used to connect a computer.

**RF IN socket (input)**
This socket can be used to connect the outside aerial.(including the analog signal and the digital signal)

**AC In socket (input)**
This socket can be used to connect a AC supply.

## Remote Control Functions

Most of your television's functions are available via the menus that appear on the screen. The remote control supplied with your set can be used to navigate through the menus and to configure all the general settings.

**INPUT** – Press the **INPUT** button to open the **Input** list; press the up and down arrows (▲/▼) to highlight options, and press **OK** to select the desired option.

**Alphanumeric Buttons** -In TV source, use these buttons to enter channel numbers. To enter a channel, press the number buttons and press **OK** (or let the entry timeout).
To enter a digital channel with a sub-channel, enter the main channel; then, press the dot (•), the sub-channel, and then the **OK** button.

**MENU** – Press the **MENU** button to display the Main Menu.

**Arrows ( ▲ / ▼ / ◀ / ▶ )** – Use the four arrows to highlight different items in the TV menu and to adjust the menu controls.

**ZOOM -/+** (◀/▶) – Press to select the desired screen format.

**SLEEP +/-** (▲/▼) – Press to set the TV to turn off after a given amount of time.

**PIC** – Press to select your desired picture mode.

**INFO** – If no menus are currently active, press the **INFO** button to display the **Channel Banner**.

**VOL+/-** – Increases or decreases the TV volume.

**MUTE** – Press to turn the volume on and off.

**FAV** – Press the **FAV** button to browse the channels in your favorite list. Use the up and down arrows (▲/▼) to highlight options, then press **OK** to select.

**MEDIA** – Press the **MEDIA** button to enter the USB menu directly .

**POWER (⏻)** – Press the POWER button to turn the TV on and off.

**GUIDE** – Press the **GUIDE** button to display the program guide. Program guide details are only available on digital channels.

**CLEAR** – Press the **CLEAR** button to remove any menu or display from the screen and return to normal viewing.

**OK** – Press to display Channel List menu. When the TV is in the Menu system, press the **OK** button to confrim your selection.

**GO BACK** – Pressing the **GO BACK** button returns you to the previously viewed channel.

**CH + or CH -** – Press the **CH+/-** buttons to select channels

**TV** – Press to access to the TV mode.

**MTS** – Press to select your desired sound mode.
◂◂ ▸II ■ ▸▸ – These buttons can be used for playing music and photos in the USB menu.

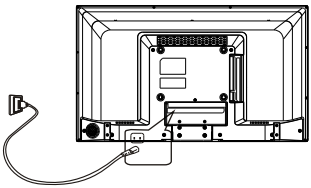
## Switching on

Follow the instructions on this page on how to switch on your TV set and the remote control before going on to following pages describing how to use the channel set-up procedure.

1. Insert two AAA batteries in the remote control.

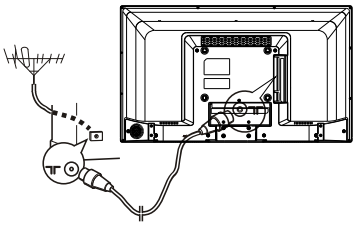
   Precautions on using batteries:
   - Only use the battery types specified.
   - Make sure you use the correct polarity.
   - Do not mix new and used batteries.
   - Do not use rechargeable batteries.
   - Do not expose batteries to excessive heat such as sunshine, fire or the like, throw them in a fire, recharge them or try to open them, as this could cause them to leak or explode.
   - Remove the batteries from the remote control if you are not using it for a long period of time.

2. Connect the power cable **FIRST** to the television, **THEN** to a mains socket. (Note: If the power cable is connected to the television, please only connect the power cable to the mains socket.)



   Your TV set should only be connected to an AC supply. It must not be connected to a DC supply. If the plug is detached from the cable, do not, under any circumstances, connect it to a mains socket, as there is a risk of electric shock.

   *Note: The figures are for representation only. The location of the power socket at the back of the television might differ depending on the model.*



3. Connect an outside aerial to the RF IN socket at the back of the TV set.

   The aerial socket (75 OHM - VHF / UHF / cable) can be used for connecting an external aerial or other equipment fitted.

4. When powered on, the TV will be turned on directly or be in standby.
   Note: For some models, switch the TV on by pressing the power button.

   If the power indicator lights up, the TV set is in standby mode. Press the ⏻ button on the remote control or on the TV set to turn on the TV.

## Switching off

- To put the TV set into standby mode, press the ⏻ button on the remote control or long press ⏻/**MENU** button for 5 seconds on the TV, the TV set remains powered up, but with low energy consumption.
- To switch off the TV set, unplug the mains socket from the mains outlet.

## Setup Wizard

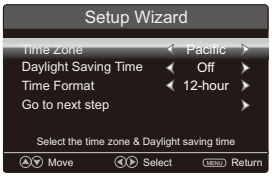
Connect an RF cable from the Tv's input called "RF-In" and to your TV Aerial socket.

**Select Language**

1. Press ◄ / ► button on the remote control to select the language to be used for menus and message.
2. Press ▲ / ▼ button on the remote control to select go to next step and press **OK/** ► button to go.

**Time**

1. Press ◄ / ► button on the remote control to adjust time zone.
2. Press ▲ / ▼ button on the remote control to select the time zone, daylight saving time and time format you want to.
3. Press ▲ / ▼ button on the remote control to select go to next step and press **OK/** ► button to go.




**TV Location**

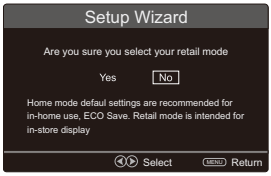
1. Press ◄/► button on the remote control to select Home Mode or Retail mode.
2. Press ▲/▼ button on the remote control to select go to next step and press OK button to go.

*Note: Choosing "Home Mode" for the TV assigns the optimal picture settings for most home environments.*

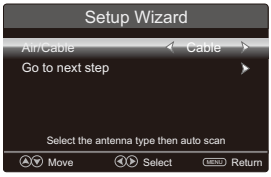
*Choosing "Retail mode", which is not ECO Save compliant, sets the unit up with predefined settings for retail displays. In this setting, the power consumption may exceed the requirements of the ECO Save. When operate forced menu, please don't press "Clear" button.*

**Retail mode**

Press ◄/► button on the remote control to select Yes/No.
Note:
If you select Yes, a screen menu will proceed to select the antanna type.
If you select No, a screen menu will go back to the previous menu to select Home Mode.



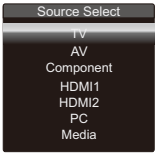

1. Press ◄ / ► button on the remote control to select the antenna type.
2. Press ▲ / ▼ button on the remote control to select go to next step and press **OK/** ► button to start auto scan.



## Source Select

Press **INPUT** button to display the input source list,
Press ▲/ ▼ button to select the input source.

Press **OK** button to enter the input source,
Press **Clear** button to quit.



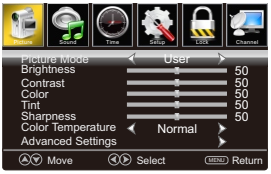
## Menu

1. Press MENU to display the main menu or return to the previous menu or close the main menu.
2. Press ◄/►to highlight the desired menu icon.

## Main Menu Operation

## Picture

1. Press MENU to enter the main menu, Press ◄/► button to select.
2. Press ▼ to enter.




3.Press ▲/▼ button to select among Picture Mode / Brightness / Contrast / Color / Tint / Sharpness / Color Temperature / Advanced Settings.
5.Press ◄/► button to adjust.
6.Press MENU again to exit or back to parent menu.

【Picture Mode】

Adjust picture mode to change picture appearance.

Press◄/►button to select(Standard / Vivid / Soft / User / Power Saving).

| | |
|---|---|
| Standard | Produces a highly defined image in a normally lit room. |
| Vivid | Produces a highly defined image in a brightly lit room |
| Soft | Produces a highly defined image in a soft lit room. |
| User | Select to customize picture settings. |
| Power Saving | Under power saving condition, it can meet “ECO Save” requirement. |

【Brightness】
Adjust the brightness of the picture.
Press◄ / ► button to adjust.

【Contrast】
Adjust the difference between light and dark areas of the picture.
Press◄ /► button to adjust.

【Color】
Adjust the color intensity of the picture.
Press◄ / ► button to adjust.

【Tint】
Adjust the hue(Red,Green) of the picture.
Press◄ / ► button to adjust.

【Sharpness】
Object edges are enhanced for picture detail.
Press ◄ / ► button to adjust.

【Color Temperature】
Change the overall color cast of the picture.

| | |
|---|---|
| Normal | Produces a vivid image. |
| Warm | Produces a red-hued image. |
| Cool | Produces a gentle blue-hued image. |

【Advanced Settings】
Adjust advanced video features to fine tune the picture.
Press **OK/►** button to enter.

【Aspect Ratio】
Adjust how the picture fills the screen.

| | |
|---|---|
| Normal | Automatically adjust Aspect Ratio based on TV size and TV program. |
| Wide | Use to watch wide screen(16:9) content. |
| Zoom | Expands image to fill screen. Top and button maybe cut off. |
| Cinema | Stretches image at edges but keeps a clear image in the center. |

【Noise Reduction】
Set options to reduce video noise.

| | |
|---|---|
| Off | Select to turn off video noise detection. |
| Low | Detect and reduce low video noise. |
| Medium | Detect and reduce moderate video noise. |
| High | Detect and reduce enhanced video noise. |

【Dynamic Contrast】
Automatically adjust picture detail and brightness.
Press◄ / ► button to select (Off/On).

【Dynamic Backlight 】

This option automatically adjusts the brightness of the backlight according to the content of the incoming signal. “Dynamic Backlight” optimizes the picture quality and decreases power consumption.
Press◄ / ► button to select (Off/Low/Hight).

## Sound

Press **MENU** to enter the main menu, Press◄ / ► button to select.
Press▼ to enter.
Press **MENU** again to exit or back to parent menu.

1.Press ▼ button to select Sound Mode and press ◄ / ► button to select mode in Standard / Music / Movie / Sports / User modes. Only in User mode, Bass, treble can be adjusted.
2.Press ▲ / ▼ button to select among Sound Mode / Bass / Treble / Balance / MTS / Audio Language / Digital Audio Output /Surround Sound / AVL
3.Press ◄ / ► button to adjust.
4.Press **MENU** again to exit or back to parent menu.

**【MTS】**
Configures the multi-track sound. It is only available in ATV.
Press ◄ / ► button to select(Mono/Stereo/SAP).

| | |
|---|---|
| Mono | Sets the sound to mono. |
| Stereo | Sets the sound to stereo when stereo is not available, the sound is automatically switched to mono. |
| SAP | Sets the sound to the second audio program. |

**【Audio Language】**
Select the language supported by the chosen digital channel. It is available Only in DTV.
Press ◄ / ► button to select(English / French / Spanish).

**【Digital Audio Output】**
Send digital audio to external audio system.
Press ◄ / ► button to select.

| | |
|---|---|
| PCM | Select to output audio in 2-channel stereo. |
| RAW | Passes through RAW audio sound. |

**【Surround sound】**
Press ◄ / ► button to select(On / Off).

**【AVL】**
Set the auto volume control.
Press ◄ / ► button to select(On / Off).

## Time

Press **MENU** to enter the main menu, Press ◄ / ► button to select.
Press ▼ to enter.
Press **MENU** again to exit or back to parent menu.

1.Press ▲ / ▼ button to select among Sleep Timer / Time Zone / Daylight Saving Time / Time Format / Auto Clock / Clock
2.Press ◄ / ► button to adjust.
3.Press **MENU** again to exit or back to parent menu.

**【Sleep Timer】**
Set a timer for the TV to turn off automatically.
Press ◄ / ► button to select(Off / 5min / 10min / 15min / 30min / 60min / 90min / 120min / 180min /240min).

**【Time Zone】**
Select your time zone.
Press ◄ / ► button to select(Eastern / Central / Mountain / Pacific / Alaska / Hawaii / Samoa / Newfoundland / Atlantic).

**【Daylight Saving Time】**
Set the daylight saving time for your area.
Press ◄ / ► button to select(On / Off).

**【Time Format】**
Select your time format.
Press ◄ / ► button to select(12-hour / 24-hour).

**【Auto Clock】**
Use to synchronize the display automatically.
Press ◄ / ► button to select.
***Note**: Auto clock just can be active on DTV signal.*

**【Clock】**
Use to adjust time manually.
Press ▲/▼/◄/► button to select.
***Note***: when Auto Clock is Off, you may adjust the clock.

## Setup

1.Press **MENU** to enter the main menu, Press ◄ / ► Button to select.

2.Press ▼ to enter.
3.Press ▲ / ▼ button to select among Menu Language / Transparent / OSD Timeout / Closed Caption / Input Label / Other settings / Restore Default / Setup Wizard / CEC.
4.Press ◄ / ► button to adjust.
5.Press **MENU** again to exit or back to parent menu.

**【Menu language】**
Press ◄ / ► button to select your desired menu language(English/French/Spanish).

**【Transparent】**
1.Press ◄/► button to adjust.
2. Adjust the transparency of the OSD (on screen display) Menu.

**【OSD TimeOut】**
1.Press ◄ / ► button to select.
2.Adjust the duration of the OSD (on screen display) menu.

【Closed Caption】
Adjust Closed Captioning settings. only available under TV and AV source.
Press OK / ► button to enter.

**Close Caption**

【CC Mode】
Turn Closed Captioning on/off.
Press ◄ / ► button to select(CC Off / CC On / CC On Mute).

【Analog CC】
Set Closed Captioning for standard(analog) program.
Press ◄ / ► button to select(CC1 / CC2 / CC3 / CC4 / Text1 / Text2 / Text3 / Text4).

【Digital CC】
Set Closed Captioning for digital program.
Press ◄ / ► button to select(Off / Service1 / Service2 / Service3 / Service4 / Service5 / Service6).

**Close Caption**

【Option】
Adjust the digital Closed Captioning setting.
Press OK / ► button to enter.

【Mode】
Set the Mode of digital Closed Captioning. Automatic uses broadcaster's style.
Press ◄ / ► button to select(Default / Custom).

【Font Style】
Select from 8 font styles.
Press ◄ / ► button to select(Default / Font 0 / Font 1 / Font 2 / Font 3 / Font 4 / Font 5 / Font 6 / Font 7).

【Font Size】
Adjust the size of the digital Closed Captioning font.
Press ◄ / ► button to select(Default /Normal / Small / Large).

【Font Edge Style】
Adjust the edge of the digital Closed Captioning box.
Press ◄ / ► button to select(Default / None / Raised / Depressed / Uniform / Left Shadow / Right Shadow).

【Font Edge Color】
Adjust the color of the digital Closed Captioning box.
Press ◄ / ► button to select(Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【FG Color】
Adjust the color of the digital Closed Captioning font.
Press ◄ / ► button to select( Default / White / Red / Green / Blue / Yellow / Magenta / Cyan).

【BG Color】
Adjust the digital Closed Captioning background color.
Press ◄ / ► button to select(Default/ Black / Red / Green / Blue / Yellow / Magenta / Cyan).

【FG Opacity】
Adjust the transparency of the digital Closed Captioning font.
Press ◄ / ► button to select(Default / Solid / Flashing / Translucent / Transparent).

【BG Opacity】
Adjust the digital Closed Captioning background transparency.
Press ◄ / ► button to select(Default / Solid / Flashing / Translucent / Transparent).

*__Note__: All the options can be adjust while the mode is Custom.

【Input Label】
Press OK / ► button to enter.

【Other Settings】
Set the parameter of audio only.
Press OK / ► button to enter.

【Audio Only】
Play the audio with the picture turned off. When you turn the Audio Only on , the panel will be dark; and except VOL+, VOL-, POWER and MUTE buttons, press any key to exit the Audio Only status.
Press ◄ / ► button to select(On / Off).
*Note:In Audio Only state, press POWER, TV will be on standby mode.*

【Restore Default】
Restore the settings of user interface to the default.
Press OK / ► button to enter.

【Setup Wizard】
Set the first time installation.
Press OK / ► button to enter.
For detail please refer to page 8.

【CEC】
Press ▼ button to select CEC, then press OK / ► button to enter CEC menu.

【CEC Control】

On/Off can be selected(default: Off) to turn on or turn off CEC function.
Press ► button to select On in **CEC Control**, the following functions can work.

**【Device Auto Power Off 】**

On/Off can be selected(default: On) to decide CEC device goes to standby mode when TV is on standby .

**【TV Auto Power ON】**

On/Off can be selected(default: On) to decide TV can be opened with the opening of outer CEC device.

**【Audio Receiver 】**

On/Off can be selected(default: On) to decide whether support ARC function or not.

**【Device list 】**

Display linked TV CEC devices

**【Connect 】**

Link to corresponding device and open signal output.

**【Root menu 】**

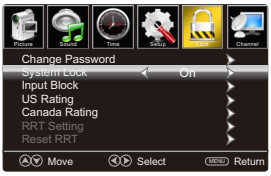
Press it, it can switch to corresponding CEC device source, the function is the same as Connect. But when DVD is play, press it, it can go to DVD menu.

## Lock

1.Press **MENU** to enter the main menu, Press◄ /► button to select.
2.Press ▼ to enter.
3.Enter your 4-digital password. Default password is 0000.
Note: If you forget the password, enter 0432 to override any existing codes.

4.Press ▲ / ▼ button to select among Change Password / System Lock / Input Block / US Rating / Canada Rating / RRT Setting / Reset RRT.
5.Press **MENU** again to exit or back to parent menu.

## Lock




**【Change Password】**

1.Press **OK/** ► button to enter.
2.Enter a new 4-digital password then re-enter it to confirm.

**【System Lock】**

Lock or unlock the buttons on the TV.
Press◄ / ► button to select(Off / On).

**【Input Block】**

Block or unblock the input sources.
Press OK / ► button to enter.
Press◄ / ► button to select(Unblock / Block).

**【US Rating】**

Restrict movie and TV programs by US Ratings.
Only available when "System Lock" is "on".
Press OK / ► button to enter.

**【Canada Rating】**

Only available when "System Lock" is "on".
Press**OK/** ► button to enter.
Restrict movie and TV programs by Canadian Ratings..
For detail please refer to page 12.

**【RRT Setting】**

Display an advance V-Chip rating table for digital channels.
The item is available only When current stream has downloadable rating data.

**【Reset RRT】**

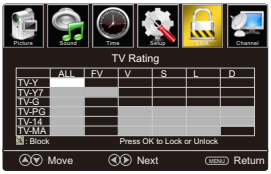
Reset the RRT to default.
The item is available only When current stream has downloadable rating data.

**US Rating**

For the United States, the rating setting basically include the following options: TV, MPAA.

**TV**

The TV rating compose of two aspects: age-based and content-based.



| Age | Define |
|---|---|
| TV-Y | General audience |
| TV-Y7 | Parental guidance suggested |
| TV-G | Parents strongly cautioned |
| TV-PG | Retricted |
| TV-14 | No one 17 and under admitted |
| TV-MA | Adult audience only |

***Note:*** The content ratings will increase depending on the level of the age-based rating.
For example, a program with a TV-PG V(violence) rating may contain moderate violence, while a TV-14 V (violence) rating may contain intense violence.
So locking a higher level option will automatically cause locking the options that has more sensitive level.

**MPAA**
This system defines the rating control which come from MPAA rules.

| Rating | Define as |
|---|---|
| Off | Close |
| G | General audience. All ages admitted. |
| PG | Parental guidance suggested. Some material may not be suitable for children. |
| PG-13 | Parents strongly cautioned. Some material may be inappropriate for children under 13. |
| R | Restricted. Children under 17 require accompanying parent or adult guardian. |
| NC-17 | No one 17 and under admitted. |
| X | Adult audience only. |

**Canada Rating**
For Canada, the rating setting include the following options: Canada English, Canada French.

**Canada English**
These ratings are for programs which are using English rating system.

| Rating | Defined as |
|---|---|
| Off | Close |
| C | Children |
| C8+ | Children 8 years and older |
| G | General programming |
| PG | Parental guidance |
| 14+ | Viewers 14 and older |
| 18+ | Adult programming |

**Canada French**
The ratings are for programs which are using French rating system.

| Rating | Defined as |
|---|---|
| Off | Close |
| G | General |
| 8 ans+ | Not recommended for children under age 8 |
| 13 ans+ | Not recommended for children under age 13 |
| 16 ans+ | Not recommended for children under age 16 |
| 18 ans+ | This program is restricted to adults |

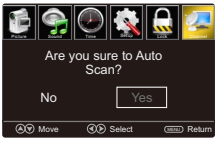
## Channel

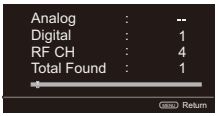
Press **MENU** to enter the main menu, Press ◄ / ► button to select.

1.Press ▼ to enter.
2.Press ▲ / ▼ button to select among Air/Cable、 Auto Scan 、Favorite 、Channel List、Show/Hide、Channel Number、 Channel Label.
3.Press ◄ / ► button to adjust.
4.Press **MENU** again to exit or back to parent menu.

**【Air/Cable】**
Select signal type.
Press ◄ / ► button to select(Air/Cable).

**【Auto Scan】**
Automatically search for channels.
Press OK / ► button to enter.

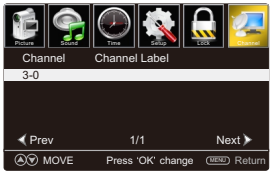



**【Favorite】**
Add channels to create a favorite list.
Press OK / ► button to enter.

**【Channel List】**

Press ▲ /▼ button to adjust.




**【Show/Hide】**
Show or hide the channels in your program list.
Press OK / ► button to enter.

**【Channel Number】**
Show the channel number.
Press ◄ / ► button to adjust.

**【Channel Label】**
Create labels for channels, up to 7 characters.

**PC**
Press **INPUT** to select PC source.
Press **MENU** to enter the main menu, Press ◄ / ► button to select Setup menu.
Press ▼ to select PC Settings.

1.Press OK /► to enter.
2.Press ▲ / ▼ button to select among H-Pos / V-Pos / Clock / Phase / Auto .
3.Press ◄ / ► button to adjust.
4.Press **MENU** again to exit or back to parent menu.

**【H-Pos】**
Adjust the horizontal position of the picture.
Press◄ / ► button to adjust.

**【V-Pos】**
Adjust the vertical position of the picture.
Press◄ / ► button to adjust.

**【Clock】**
Minimize vertical stripes in the screen image.
Press◄ / ► button to adjust.

**【Phase】**
Minimize horizontal distortion.
Press◄ / ► button to adjust.

**【Auto】**
Adjust to the PC signal timing automatically.
Press ► / OK button to enter.

***Notes***:
1.Advanced settings in Picture menu is different, other descriptions are the same as that for TV mode. Select Advanced settings in Picture menu, Aspect Ratio can select Full 100% or Point to Point. Noise Reduction and Dynamic Contrast is invalid.
2.TIME menu and description are the same as that for TV mode.
3.Close Caption in SETUP menu is invalid.
4.US, Canada, RRT Setting and Reset RRT in LOCK menu is invalid.
5.PC mode has no CHANNEL menu.

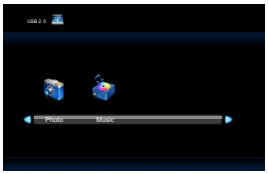
## AV / COMPONENT / HDMI

1. PICTURE menu and description are the same as that for TV mode.
2. TIME menu and description are the same as that for TV mode.
3.The function of Close Caption is available only in AV/TV mode.
4.US Rating, Canada Rating is available only in AV /TV mode. RRT Setting and Reset RRT in LOCK menu is invalid.
5.AV / COMPONENT / HDMI mode has no CHANNEL menu.

## Media

Note: Before operating **Media** menu,Plug in USB device, then press **INPUT** button to set the Input Source to **Media**.

Press ▲ / ▼ button to select **Media** in the Source menu, then press **OK** button to enter.



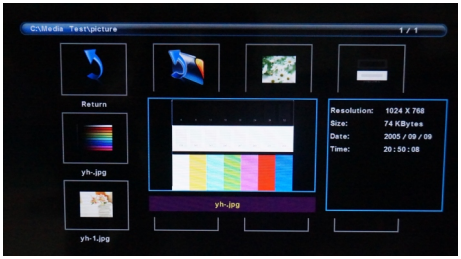

Press◄ / ► button to select the option you want to adjust in the main **Media** menu, then press **OK** button to enter.

## Photo

Press ◄ / ► button to select PHOTO in the main menu, then press **OK** button to enter.

Press ◄ / ► button to select drive disk you want to watch, then press **OK** button to enter.

Press ◄ / ► button to select return option to back to the previous menu.




Press ◄ / ► button to select the file you want to watch in the file selecting menu, then press OK button to display picture.

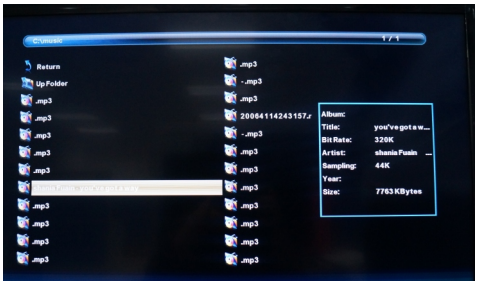
***Note***: Only support JPG format

## Music

Press ◄ / ► button to select MUSIC in the main menu, then press **OK** button to enter.

Press ◄ / ► button to select drive disk you want to watch, then press **OK** button to enter.

Press ▲/▼ button to select return option to back to the previous menu.




Press ▲ / ▼ button to select the file you want to watch in the file selecting menu, then press **OK** button to play. Press **OK** button again to display and operate file details. When highlighting the option you select, the file information will appear on the right.

Press ◄ / ► button to select menu in the bottom you want to run, then press **OK** button to operate.

***Note***: Only support MP3 format

## Troubleshooting

Most problems you encounter with your TV can be corrected by consulting the following troubleshooting list.

**No picture, no sound**

1. Check if the fuse or circuit breaker is working.
2. Plug another electrical device into the outlet to make sure it is working or turned on.
3. Power plug is in a bad contact with the outlet.
4. Check the signal source.

**No color**

1. Change the color system.
2. Adjust the saturation.
3. Try another channel. Black-white program may be received.

**Remote control does not work**

1. Change the batteries.
2. Batteries are not installed correctly.
3. Main power is not connected.

**No picture, normal sound**

1. Adjust the brightness and contrast.
2. Broadcasting failure may happen.

**Normal picture, no sound**

1. Press the **Vol+** button to increase volume.
2. Volume is set to mute, press the mute button to restore sound.
3. Change the sound system.
4. Broadcasting failure may happen.

**Unorderly ripples on the picture**

It is usually caused by local interference, such as cars, daylight lamps and hair driers. Adjust the antenna to minimize the interference.

**Blank screen in VGA mode**

Perhaps the TV can not recognize the resolution set by the PC. Suggest to change to the best resolution or other standard resolutions of the Windows system.

**Snowy dots and interference**

If the antenna is located in the fringe area of a television signal where the signal is weak, the picture may be marred by dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the reception.

1. Adjust the position and orientation of the indoor/outdoor antenna.
2. Check the connection of antenna.
3. Fine tune the channel.
4. Try another channel. Broadcasting failure may happen.

**Ignition**

Black spots or horizontal streaks appear, or the picture flutters or drifts. This is usually caused by interference from car ignition system, neon lamps, electric drills, or other electrical appliance.

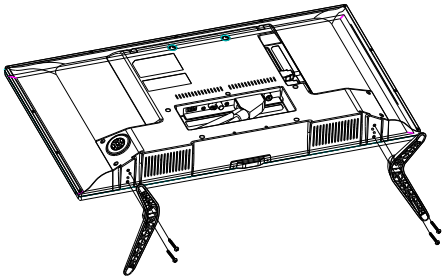
**Ghost**

Ghosts are caused by the television signal following two paths. One is the direct path, the other is reflected from tall buildings, hills, or other objects. Changing the direction or position of the antenna may improve the reception.

**Radio frequency interference**

This interference produces moving ripples or diagonal streaks, and in some case, loss of contrast in the picture. Find out and remove the radio interference source.

## Base Installation



To fix the double support base on the unit by screws, the installation is completed.

## Battery Caution & Disposal Information

1. For best results, use alkaline type batteries.
2. Install only new batteries of the same type in your product.
3. Failure to insert batteries in the correct polarity, as indicated in the battery compartment, may shorten the life of the batteries or cause batteries to leak.
4. Do not mix old and new batteries.
5. Do not use Rechargeable (Nickel Cadmium) or (Nickel Metal Hydride) batteries.
6. Do not mix Alkaline, Standard (Carbon-Zinc) or Rechargeable (Nickel Cadmium) or (Nickel Metal Hydride) batteries.
7. Do not dispose of batteries in fire.
8. Batteries should be recycled or disposed of as per state and local guidelines.

## Care and Cleaning

Caution: Turn OFF your TV before cleaning.

You can clean the TV as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

**IMPORTANT:** Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV. The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. While cleaning, do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, never place drinks or vases with water on top of the TV. This could increase the risk of fire, shock hazard or damage to the TV.

## Television Specifications

| | | |
|---|---|---|
| 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 | |

# TTE Technology, Inc. (“TTE”) Limited Warranty

All LCD/LED Models.

**What your warranty covers:** Defects in materials or workmanship to the original owner of this TCL product when purchased as new from an Authorized Dealer of TCL brand products in the United States and packaged with this warranty statement.

## New LCD/LED Televisions (Non-Commercial Use)

**For how long after your purchase:**

- One (1) year from date of purchase for parts and labor for non-commercial use.

## New LCD/LED Televisions (Commercial Use)

**For how long after your purchase:**

- Six (6) months from date of purchase for parts and labor for commercial use.
- Commercial use includes, but is not limited to, the use of this product in a commercial or business environment, the use of this product in an institution or for institutional purposes, or other commercial purposes including rental purposes.

**What we will do:**

- At TTE’s discretion, (1) pay an Authorized TCL Service Center for both labor charges and parts to repair your television, or (2) replace your television with a new or refurbished/remanufactured equivalent value product. The decision to repair or replace will be made solely by TTE. See “How to get service”.

**How to get service:**

- Call 1-877-300-8837 (for mainland 48 States), or 1-877-800-1269 (for AK, HI, and Puerto Rico).
- Please have your original purchase receipt or proof of purchase (bill of sale or receipted invoice), the unit’s date of purchase, place of purchase and model/serial number ready. The model/serial number information can be found on the back of your unit.
- A representative will troubleshoot your problem over the telephone. If it is determined that your unit requires service, the service location will be at the sole discretion of TTE based upon the TTE Limited Warranty Statement.
- At the sole discretion of TTE, television screen sizes 40” and smaller will either be repaired at an Authorized TCL Service Center or directly exchanged for a new or refurbished/remanufactured unit. At the sole discretion of TTE, television screen sizes 42” or larger will either be repaired in-home or exchanged for a new or refurbished/remanufactured unit.
- If repaired at an Authorized TCL Service Center, TTE is not responsible for transportation costs to the Authorized TCL Service Center. However, TTE will pay for return shipping. TTE will provide instructions for packaging and shipping the unit.
- Proof of purchase in the form of a bill of sale or receipted invoice from an Authorized Dealer which is evidence that the product is within the warranty period must be presented to obtain warranty service.
- PRE-AUTHORIZATION MUST BE OBTAINED BEFORE (1) SENDING ANY PRODUCT TO AN AUTHORIZED TCL SERVICE CENTER, OR (2) OBTAINING ANY IN-HOME REPAIR/REPLACEMENT/ RENTAL SERVICES.

## What your warranty does not cover:

- Customer instruction. (Your Owner’s Manual describes how to install, adjust, and operate your unit. Any additional information should be obtained from your Authorized Dealer).
- Installation and related adjustments, or damage resulting from installation.
- Damage resulting from non-approved installation methods.
- Signal reception problems not caused by your unit.
- Damage from misuse, abuse, neglect, normal wear and tear, cosmetic damage, mishandling, faulty installation, or power line surges.
- Markings or images on the television’s panel resulting from viewing fixed images (including but not limited to certain 4:3 images on wide screen televisions, or data or images in fixed screen locations from banners, video games, or certain broadcast networks).
- Batteries.

- A television that has been modified or incorporated into other products.
- A unit purchased or serviced outside the USA.
- A unit sold in “As-Is”, “Factory Reconditioned”, “Factory Re-Certified”, or “Refurbished” condition or with faults.
- Acts of nature or God, such as but not limited to earthquake or lightning damage.
- Special, incidental or consequential damages.

## Product Registration:

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

## LIMITATION OF WARRANTY

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. NO VERBAL OR WRITTEN INFORMATION GIVEN BY TTE TECHNOLOGY, INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE OR MODIFY THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. TTE TECHNOLOGY, INC. SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF CALIFORNIA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY AND WARRANTY PERIOD SET FORTH ABOVE. THIS WARRANTY IS SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE VISIT WWW.TCLUSA.COM TO VIEW THE MOST CURRENT VERSION.**

## How State Law relates to this warranty:

- Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

**If you purchased your unit outside the United States or seek warranty coverage outside the United States:** This warranty does not apply. Contact your dealer for warranty information.

**Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.**

# Legal Statement of TCL

## - Manufacturer of this TV set

**Due to the various capabilities of products featuring the Smart TV - Services, as well as limitations in the available content, certain features, applications, and services may not be available on all devices or in all territories. Some features on Smart TV may also require additional peripheral devices or membership fees that are sold separately. Please visit our website for more information on specific device information and content availability. The services and availability of content through Smart TV are subject to change from time to time without prior notice.**

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| *Input* | *Signal Compatability* |
|---|---|
| Antenna/Cable | **480i, 480p, 720p, 1080i (NTSC, ATSC, and QAM formats)** |
| Composite Video | **480i** |
| HDMI | **480i, 480p, 720p/60Hz, 1080i/60Hz, 1080p/60Hz** |
| VGA | **640*480/60Hz,1024*768/60Hz,1366*768/60Hz** |

## FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Please do not send any products to the California address listed in this manual or on the carton. This will only add delays in service for your product.

Figures and illustrations in this User’s Guide are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

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