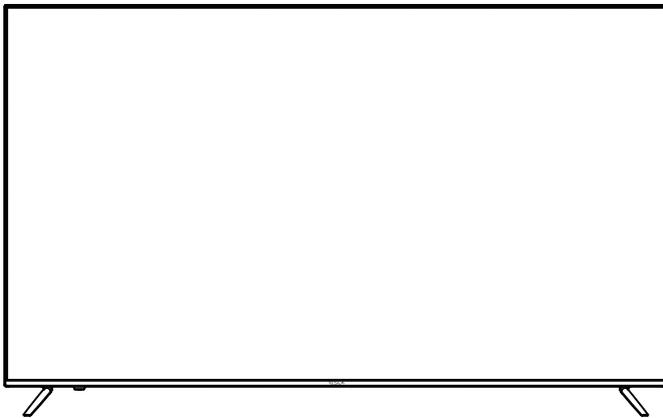




UHD SMART Android TV with ATSC
CA65U22U
CA70U22U
CA75U22U



UsrerManual

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CHILD SAFETY

PROPER TELEVISION PLACEMENT MATTERS



THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer electronics industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your television, please note that all televisions - new and old - must be supported on proper stands or installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.



TUNE IN TO SAFETY

- **ALWAYS** follow the manufacturer's recommendations for the safe installation of your television.
- **ALWAYS** read and follow all instructions for proper use of your television.
- **NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- **NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.



WALL OR CEILING MOUNT YOUR TELEVISION

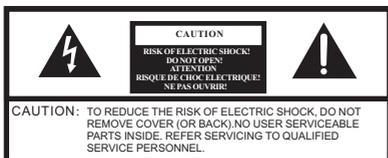
- **ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your television.
- **ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by an independent laboratory (such as UL, CSA, ETL).
- **ALWAYS** follow all instructions supplied by the television and mount manufacturers.
- **ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.



MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- Many new television buyers move their older CRT televisions into a secondary room after the purchase of a flat-panel television. Special care should be made in the placement of older CRT televisions.
- **ALWAYS** place your older CRT television on furniture that is sturdy and appropriate for its size and weight.
- **NEVER** place your older CRT television on a dresser where children may be tempted to use the drawers to climb.
- **ALWAYS** make sure your older CRT television does not hang over the edge of your furniture.

SAFETY AND WARNINGS



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "hazardous voltage" within the product's enclosure, which may be of sufficient magnitude to induce a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.

CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

FCC Statement 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.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

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 UNDESIRE OPERATION.

Cables:

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Restrictions in the 5 GHz band:

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Important Note:

In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Location of the required marking

The rating sheet and the safety caution are on the rear of the unit.

BATTERY PRECAUTIONS:

- Batteries should not be exposed to excessive heat such as sunshine, fire or the like.
 - The remote control unit uses infrared beams to transmit signals, so sunlight or fluorescent light on the remote sensor may shorten operating distance.
 - Incorrect use of batteries may cause them to leak or burst. Read the battery warnings and use the batteries properly.
 - Do not mix old and new batteries.
 - Do not mix alkaline, standard (carbon-zinc), or rechargeable, (Ni-Cd, Ni-MH, etc.) batteries.
- Remove batteries if the remote control will not be operated for an extended period of time.

Serial number: _____

Model number: _____

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) The wall plug is the disconnecting device. The plug must remain readily operable.
- 16) Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like. Dispose of used battery promptly and correctly, according to local environmental laws and guidelines in force.

CAUTION: Risk of fire or explosion if the battery is replaced by an incorrect type.

- 17) The apparatus should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, should be placed on the apparatus.
- 18) No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 19) Your TV has four VESA mounting holes on the back. If you attach a wall-mount bracket or TV stand to the back of your TV, the bracket or stand must be securely attached using all four holes. If you do not use all four mounting holes, your TV may fall and cause property damage or personal injury. See the documentation that came with your wall mount or TV stand for complete mounting instructions.

WARNING:

The excessive sound pressure from earphones and headphones can cause hearing loss.

CAUTION:

Double pole, neutral fusing.
Disconnect mains before servicing.



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

WARNING

1) Stability Hazard

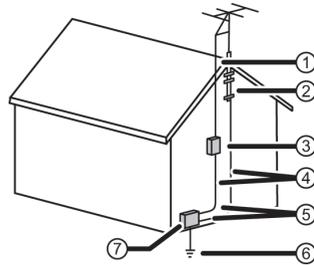
The television set may fall, causing serious personal injury or death.

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

- 2) To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.
- 3) After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.
- 4) These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- 5) When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in re, electric shock, personal injury, or other hazards.
- 6) If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



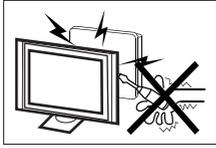
- ① Antenna lead-in wire
- ② Grounding clamp
- ③ Antenna discharge unit
- ④ Grounding conductors
- ⑤ Ground clamps Power service
- ⑥ grounding electrode system
- ⑦ Electric service equipment

Note to CATV system installer

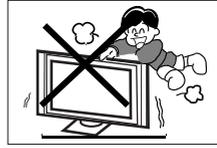
Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

- 7) For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.
- 8) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep from touching such power lines or circuits as contact with them might be fatal.
- 9) Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

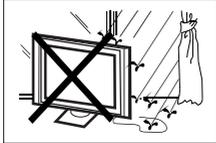
- 10) Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:
- When the power supply cord or plug is damaged or frayed.
 - If liquid has been spilled or objects have fallen into your TV.
 - If your TV has been exposed to rain or water.
 - If your TV does not operate normally by following the operating instructions. Adjust only those controls covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
 - If your TV has been dropped or damaged in any way.
 - When your TV exhibits a distinct change in performance.
- 11) Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.
- 12) Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually. Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.
- 13) Your TV may contain materials that are regulated for environmental reasons. Your TV also contains materials that can be recycled and reused. To help protect the environment, contact your local authorities for information about disposal or recycling and about finding a recycler in your area before you dispose of your TV.
- 14) To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.
- 15) The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.



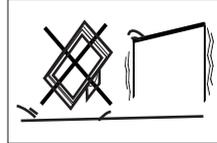
High voltages are used in the operation of this television receiver. Do not remove the cabinet back from your set. Refer servicing to qualified service personnel.



Never stand on, lean on, or suddenly push the television or its stand. You should pay special attention to children. Serious injury may result if it falls.



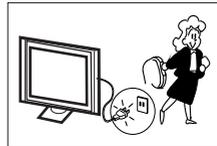
To prevent fire or electrical shock hazard, do not expose the television receiver to rain or moisture.



Do not place your television on an unstable cart, stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it falls. Recommended to utilize rear mount screw holes for anti-tipping (hardware not included).



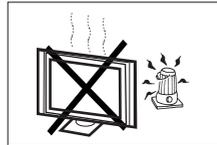
Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.



When the television receiver is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.



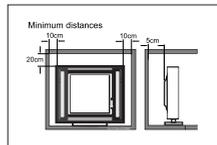
Do not block the ventilation holes in the back cover. Adequate ventilation is essential to prevent failure of electrical components.



Avoid exposing the television receiver to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat, e.g. video cassette players and audio amplifiers. Do not place naked flame sources, such as lighted candles on the television.



Do not trap the power supply cord under the television receiver.



If the television is to be built into a compartment or similar enclosure, the minimum distances must be maintained. Heat build-up can reduce the service life of your television, and can also be dangerous.

INTRODUCTION

Antenna

Main features

- Wide screen for a complete home theater experience
- Super slim LCD TV with LED backlight
- 3840 x 2160 native resolution for UHD performance
- Integrated ATSC TV tuner for HDTV broadcast reception
- Beautiful color depth with a contrast ratio of 5000:1
- HDMI® inputs for true digital connections

Accessories

Infrared Remote Control.....	1
User's Manual	1
Battery(AAA)	2
Screws.....	4
Base stand.....	2

Specifications

Viewing Picture Size(diagonal)	65"/70"/75" class 65"/70"/75" diagonal)
Resolution:	3840 x 2160
Aspect Ratio:	16:9
TV System:	ATSC Digital system and NTSC Analog system
Video Signal System:	NTSC
Receiving Channel:	Cable :1-135/ Air: 2-69(ATV&DTV)
Power Consumption:	2.0A/2.1A/2.6A
Input Power Voltage:	AC120V, 60Hz
Audio Output Power(THD≤ 10%):	2 x 10W
High-Definition Multimedia Interface(HDMI) Input	x 4
Composite Input (mini)	x 1
Headphone Output	x 1
Optical Output	x 1
LAN	x 1
USB 2.0 Input	x 2
Dimensions (approx) with stand fitted(WxDxH)	65(1449.6x333x906mm, 57.1x13.1x35.7 inch) 70(1556x333x973mm, 61.3x13.1x38.3 inch) 75(1673x362x1032mm, 65.9x14.3x40.6 inch)
Net weight TV with stand	65 (16.7kg (36.82lbs)) 70 (19.9kg (43.87lbs)) 75 (23.0kg (50.71lbs))
Net weight TV without stand	65 (16.3kg (35.93lbs)) 70 (19.5kg (42.99lbs)) 75 (22.7kg (50.04lbs))



The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



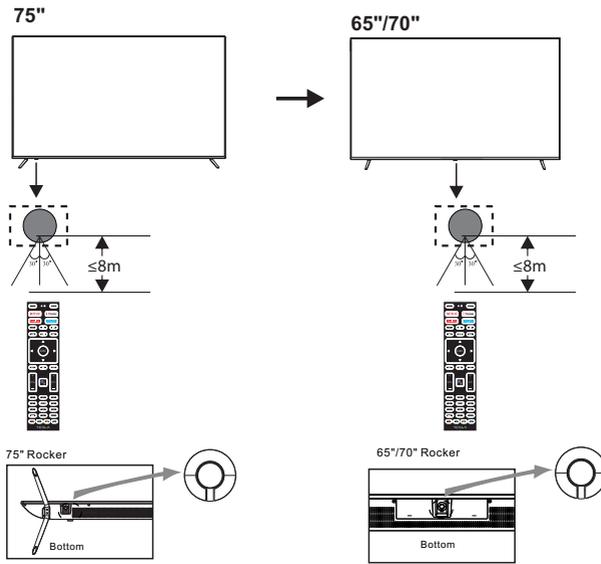
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INSTALLATION

Front panel



KEYBOARD

1. When the TV is turned on, press the local key for more than 3S to enter standby.
2. For the third-party application, main scene and USB, only the operations in 1) above are detected, and the following 3 operations are not executed;
3. Press the local key for less than 3S to enter the local key menu.
The local key menu includes six options: on / off, program +, program -, volume +, volume -, and program source;
a) When the local key menu is displayed, the key time is less than 1.5s, and the focus moves backward once in sequence;
b) When the local key menu is displayed, the long key pressing time is greater than 1.5s, and the function of entering the current focus option is executed.

REAR Connections



All the terminals are (from left to right): LAN, OPTICAL, USB2.0, HDMI4, HDMI3, HDMI2, AV INPUT, RF.

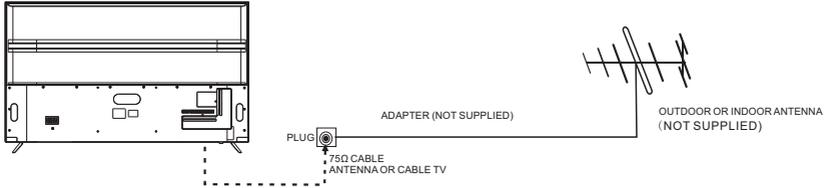
SIDE Connections



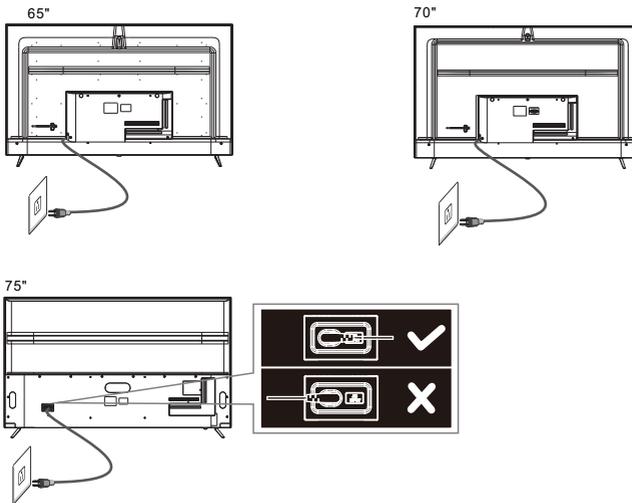
All the terminals are (from left to right):
USB2.0, HDMI1(eARC), HEADPHONES.

INSTALLATION

Antenna



Note:
Aerial connections: F connector.
Input impedance: 75 Ω unbalanced.



Power connection

Please note: After unpacking, allow the TV to reach ambient room temperature before connection the TV to the mains power socket.
Connect the power cord plug to the mains power socket.

CABLE

When shipped from the factory, the Signal Type option is for the RF connector (F-type) set to the "AIR" (Over-the air antenna) mode.

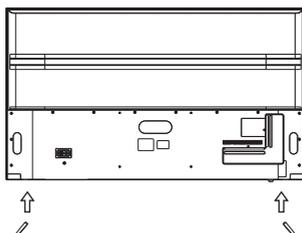
INSTALLATION

Base Stand Assembly Instruction

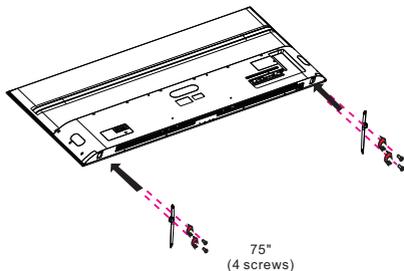
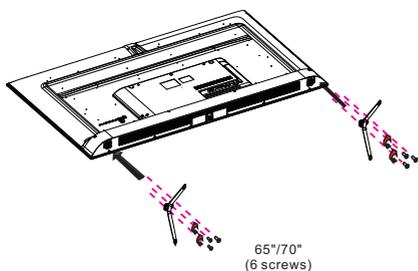
The base stand

Prepare to place the TV with the display side down on a flat surface. Due to the size and weight of this TV, the use of 2 people is recommended when moving it. Ensure the table or desk you use provides a flat, totally clean surface, and use a soft cloth between the face of the TV and the table to protect the TV's screen.

1. Locate the 2PCS of the base stand and insert it into the gap in the bottom of the TV , and check that it is securely held in place as below.



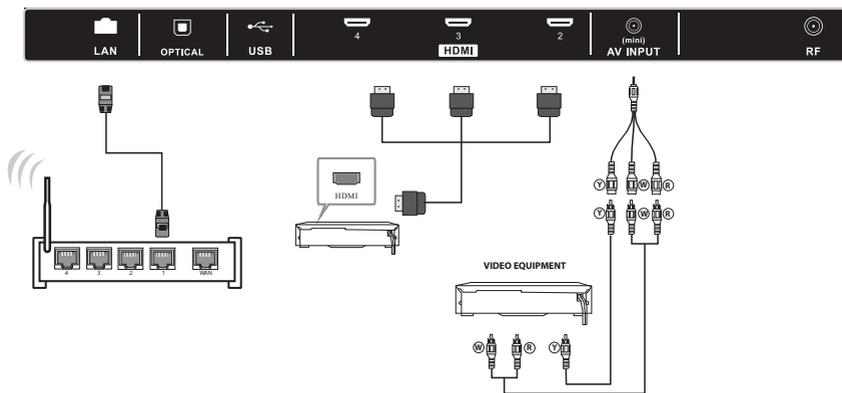
2. Lock 4/6 screws in the designated location as below and check each screw is firmly tightened.



INSTALLATION

AV Equipment

You can use the rear input terminals as follows.



Note: It does not support headset with microphone, please plug in headphones only.

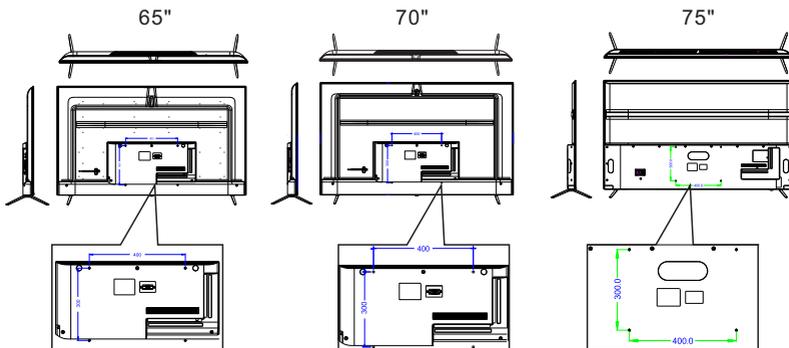
Video Equipments: VCR, Multi Disc Player, DVD Player, Camcorder, Video Game, etc.

Wall Mount

Instruction for Wall Mount

A wall mount kit (purchased separately) would allow you to mount your TESLA TV on the wall. For detailed information on installing the wall mount, refer to the instructions provided by the wall mount manufacturer. It is strongly recommended to contact a technician for professional assistance for wall mount installation. TESLA is not responsible for any damage to the product or injury to yourself or others resulting from the wall-mounting.

Dimensions for Mounting Hole Pattern



This TESLA TV is compatible with a (65")400x300mm, (70") 400x300mm; (75") 400x300mm mounting hole pattern.

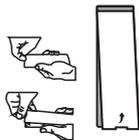
- 4 pcs of type M6 screws are required for installing the wall mount bracket to your TESLA TV. Do not use screws that are longer than 16 mm. Screws that are too long may cause damage to the inside of the TV set.
- Do not fasten the screws too tight for this may damage the TV or cause the TV to fall, resulting in personal injury. TESLA is not liable for these kinds of incidents.
- Do not mount your TESLA TV at more than a 15 degree tilt.
- Always use two people to mount the TV to a wall.
- Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

General Description

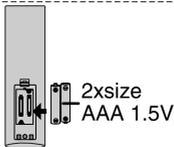
Installing Batteries in the Remote Control

Installing Batteries

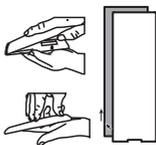
- 1** Open the battery compartment cover on the back side.



- 2** Insert two 1.5V AAA size batteries in correct polarity. Don't mix old or used batteries with new ones.



- 3** Closed the cover.



† Point the remote towards the remote control sensor of the TV and use it within 8 meters.

† Put the used batteries into the recycling bin since they can negatively affect the environment.

Note:

- One loading of batteries will last for 1 year under normal use.
- If you do not intend to use the remote controller for a long period of time, remove them to avoid damage due to leakage.
- Do not use old and new batteries together.
- The batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

External Connection

Antenna connection

Antenna input impedance of this unit is 75ohm. VHF/UHF 75ohm coaxial cable can be connected to the antenna jack directly.

Antennas with 75 Ω Round Leads



General Description

Overview of remote control



Loading batteries:

- 1) Remove the lid of the battery compartment.
- 2) Insert 2 size AAA batteries with polarities as indicated inside the compartment.
- 3) Replace the lid.

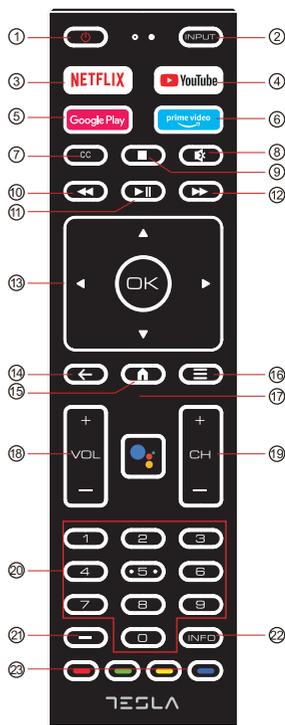
Note:

- 1) A loading of batteries should be last one year under normal use.
- 2) If you don't intend to use the remote control for a long period of time, remove batteries to avoid damage due to leakage.
- 3) Do not mix old and new batteries or different types.
- 4) Do not throw batteries into fire or water.
- 5) The batteries (battery pack or batteries installed) should not be exposed to excessive heat such as sunshine, fire or the like.

General Description

Overview of remote control

- POWER:** To set the TV to Standby or Power On modes.
- INPUT:** Open Input menu(TV, HDMI1,HDMI2,etc).
- NETFLIX:** Press to open NETFLIX.
- YouTube:** Press to open the YouTube.
- Google Play:** Press to open the Google Play store.
- prime video:** Press to open the Prime Video.
- CC:** Press to select the CC mode.
- Speaker icon:** To disable or enable the speaker sound output.
- Stop icon:** Press to stop multimedia playback.
- Reverse icon:** Reverse Playback rapidly.
- Play/Pause icon:** Start playback or Pause playback.
- Forward icon:** Advance playback rapidly.
- Navigation arrows:** Press to navigate the on-screen menu.
OK: Confirms selection.
- Left arrow:** Return to the previous menu.
- Home icon:** Press to open the Home Page.
- Menu icon:** Press to open or close the on-screen menu.
- Google Search icon:** Press to open the google assistant or start a voice search.
- VOL +/-:** To adjust sound level.
- CH+/CH-:** To access the next or previous channels.
- NUMERIC KEY:** For direct access to channels
- Symbol key " — ":**
- INFO:** Display TV status information, such as the channel number, channel name (if available), or signal source.
- Coloured buttons:** Implement the relevant operations according to the prompt at the bottom of the menu in the text.

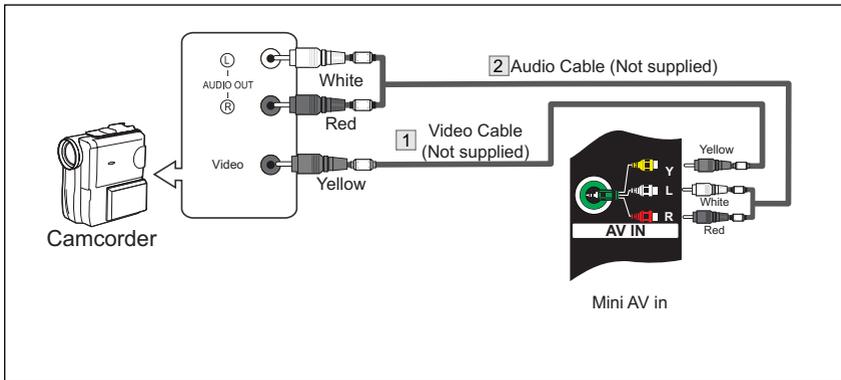


External Connection

Connecting a Camcorder

The rear panel jacks on your TV make it easy to connect a camcorder to your TV. They allow you to view the camcorder tapes without using a VCR.

Each Camcorder has a different back panel configuration. When connecting a Camcorder or DVD, match the color of the connection terminal to the cable.



1. Connect a Video Cable between the AV VIDEO in jacks on the TV and the VIDEO OUT jack on the camcorder.
2. Connect Audio Cables between the AUDIO L and AUDIO R jacks on the TV and the AUDIO OUT jacks on the camcorder.
3. Connect a Video Cable between the AV VIDEO IN jacks on the TV and the VIDEO OUT jack on the DVD.
4. Connect Audio Cables between the AUDIO L and R jacks on the TV and the AUDIO OUT jack on the DVD.

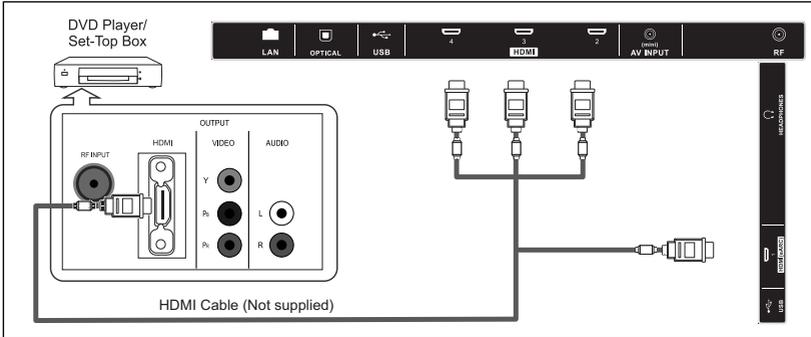
Notes:

1. Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
2. When connecting an external device, match the color of the connection terminal to the cable.

External Connection

Connecting Digital Audio System

This connection can only be made if there is a HDMI Output connector on the external device.



What is HDMI?

HDMI, or high-definition multimedia interface, is a next-generation interface that enables the transmission of digital audio and video signals using a single cable without compression. Multimedia interface is a more accurate name for it especially because it allows multiple channels of digital audio (5.1 channels).

The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi-channel digital audio.

Each DVD player/STB has a different back panel configuration.

Connect an HDMI Cable between the HDMI1, HDMI2, HDMI3, HDMI4 connector on the TV and the HDMI connector on the DVD player/Set-Top Box.

While using ARC, connect the ARC to HDMI 1, under Live TV, press the "MENU" button to select "Speaker", "External Audio System"

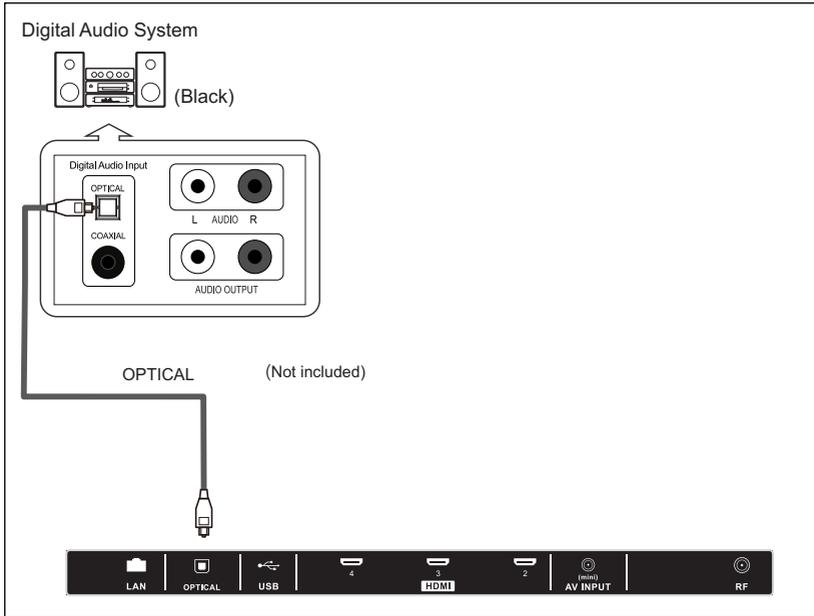
Notes:

- 1. Whenever you connect an external device to your TV, make sure that power on the unit is turned off.**
- 2. When connecting an external device, match the color of the connection terminal to the cable.**

External Connection

Connecting PC

The rear panel jacks on your TV make it easy to connect a Digital Audio System to your TV.



5.1 CH audio is possible when the TV is connected to an external device supporting 5.1 CH.

Connect an OPTICAL Cable between the OPTICAL jacks on the TV and the Digital Audio Input jacks on the Digital Audio System. When a Digital Audio System is connected to the OPTICAL terminal: Decrease the gain (volume) of the TV, and adjust the volume level with the Digital Audio System's volume control.

Supporting Signals

Input	System	Resolution
AV	NTSC	480i
	PAL	576i

Input	Mode
RF	ATSC(Digital)
	NTSC(Analog)

Input	Resolution	Vertical Frequency
HDMI	720p	50Hz/60Hz
	1080i	50Hz/60Hz
	1080p	50Hz/60Hz
	3840x2160	24Hz/25Hz/30Hz/60Hz

Menu Operations

INITIAL SETUP

The first you turn your TV, the setup wizard will guide you through setting up basic settings. Please according to the Text Tip to First Time Setup.



Press ▲/▼ to select the system language and press OK to confirm the language.

If you are using an infrared remote control, please ignore the Text Tip and press the back button to exit this page.



This function is used for the remote control pair code. After the code is successful, you can use the Bluetooth remote control to operate the TV.

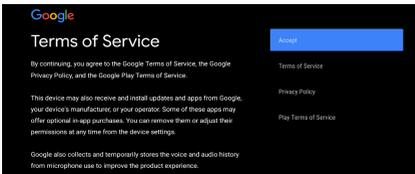


Connect your Android phone to your TV, select "Continue" to continue the connection, and choose "Skip" to skip this step.

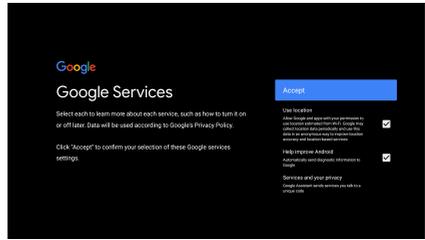


Press ▲/▼ to select the Wifi to connect, press OK and enter the password to confirm the connection is successful.

Recommended settings for Wi-Fi routers:
For the best quality, performance, and reliability, we recommend choose 5Ghz band settings for Wi-Fi routers.



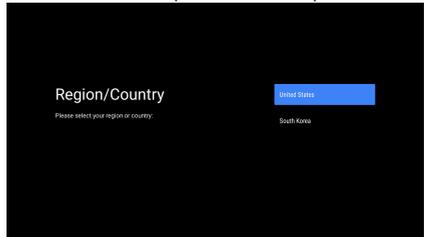
By accepting the Google Terms of Service to improve the product experience, select "Accept" to accept this condition.



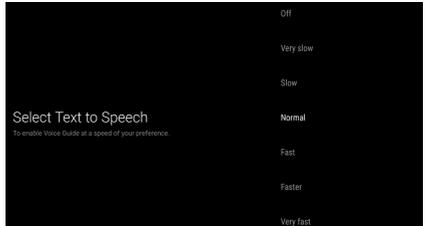
Click "Accept" to confirm your selection of these Google services settings.



1. Your device is powered by Android TV and press the ► key to select the browsing feature.
2. You can get more apps from Google Play and press the ► key to go to the next screen.
3. Transfer photos and other content to the TV via the built-in chromecast, press OK to complete the browsing.

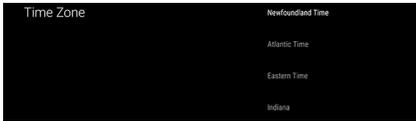


Press ▲/▼ to select your region or country.

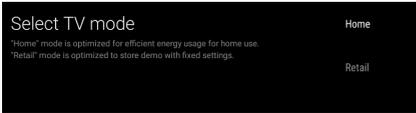


Press ▲/▼ to select speed of Text to Speech.

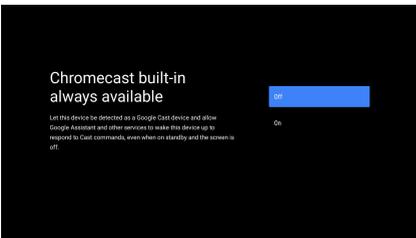
Menu Operations



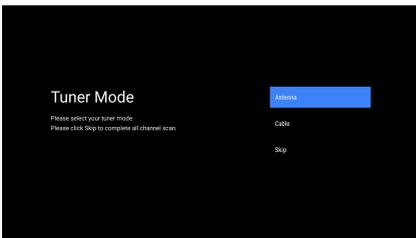
Press ▲/▼ to select the time zone you want, and press OK to select.



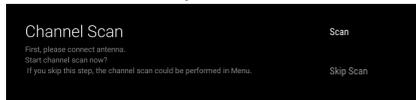
For selecting the mode, press ▲/▼key to select Home mode and press OK to confirm.



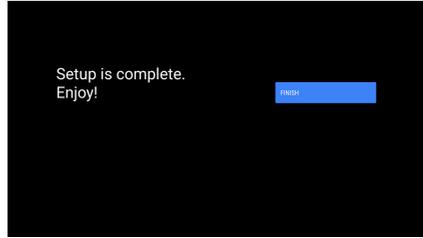
Press ▲/▼ to turn on or off the always available features of chrome cast.



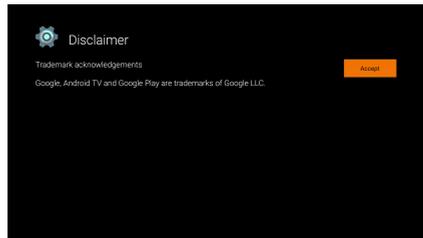
To select the Tuner mode for searching, press ▲/▼to select and press OK to confirm.



Press ▲/▼to select whether to search, select "Scan" to search, select "Skip Scan" to skip the search.



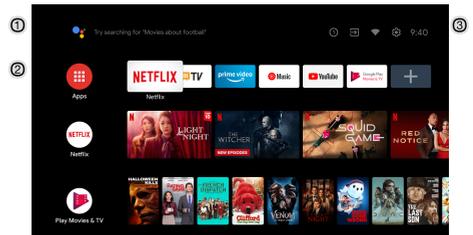
Press OK to complete the setup.



Press the OK to agree to Dislaimer(Disclaimer) . After setting is complete, You can watch TV.

HOME SCREEN

Press the HOME button to go to the HOME page.



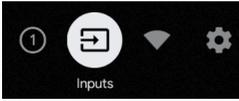
- ① Open the google assistant or start a voice search.
- ② Among the applications installed on the TV, the icons for the favourite applications are shown inside here. (Favourite applications can be added/deleted/ changed its order by users.)

- ③ **Apps:** Click to jump to Apps screen where all the installed applications are listed.
- ④ **Notification:** Display the notifications.
- ⑤ **Inputs:** Icon to select an input source.
- ⑥ **Network&Internet:** Icon to Setup Network, Such as wifi.
- ⑦ **Settings:** Various settings can be configured here. For details on the settings, see the next explanation.

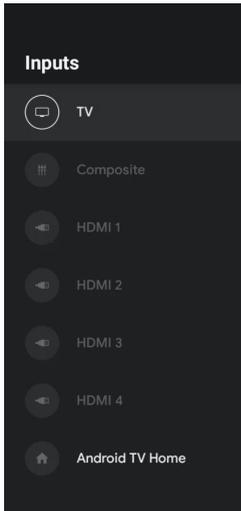
Menu Operations

INPUT SOURCE

1. In the HOME interface, press ▲/▼/◀/▶ to select the "Inputs" icon, press OK to open the input source list, then press up to highlight an input and press OK to switch.

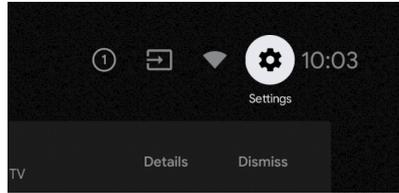
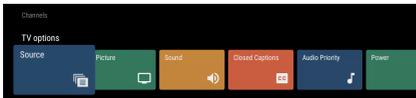


2. Under live TV, press the INPUT button to display the list of input sources. You can select the desired source.

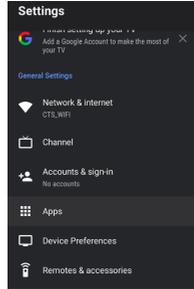


NAVIGATING THE ON-SCREEN MENU

1. There are two ways to enter. First, in live, press the menu button to display TV options, press ▲/▼/◀/▶ to select the settings menu and press OK to confirm. Second, in the HOME interface, press the ► key to select the icon of the circular settings menu, press OK to confirm.



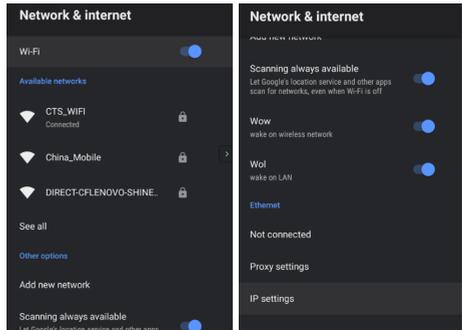
2. Press ▲/▼ button to select what you want set.
3. Press OK to enter setting.



Press BACK to return to the previous menu. If the main menu is displayed, pressing BACK will close the onscreen menu.

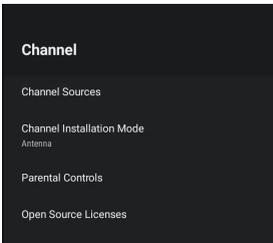
Network

1. Press ▲/▼ button to select what you want set.
2. Press OK button to adjust.
3. After finishing your adjustment, press OK button to save and return to the previous menu.

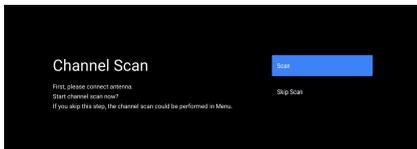
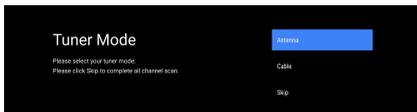


Menu Operations

CHANNEL



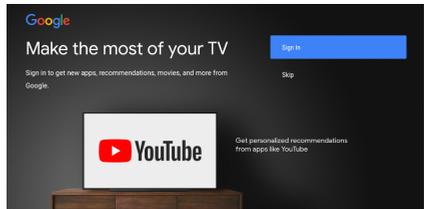
Channel Sources: Select to set up your source. Please follow the steps shown below to search for channels.



Channel installation mode: Select on-screen display channel sources. You can select the signal type.

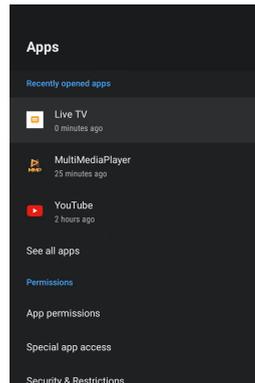
- Antenna:** Set the signal type to antenna.
- Cable:** Set the signal type to cable. When set to Cable, the TV can receive analog and QAM broadcasting signals.
- Parental controls:** Press ▲/▼ button to select the option then press OK button to enter the sub-menu.
- Open source licenses:** Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

ACCOUNTS&SIGN IN



Press ▲/▼ button to select Sign in or Skip.

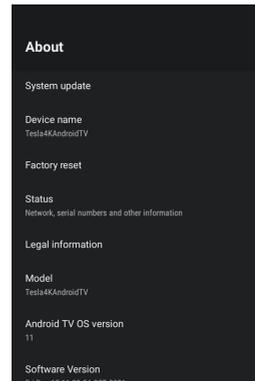
APPS



In this menu, you can set the APP permissions, and read the app lists.

1. Press ▲/▼ button to select what you want set.
2. Press OK button to adjust.
3. After finishing your adjustment, Press BACK button to return to the previous menu.

DEVICE PREFERENCES ABOUT

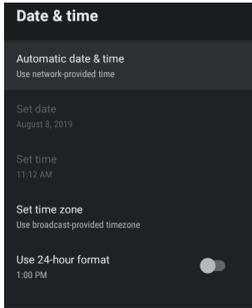


Menu Operations

In this menu, you can read the information and settings of TV.

1. Press ▲/▼ button to select what you want set.
2. Press OK button to adjust.
3. After finishing your adjustment, Press BACK button to return to the previous menu.

DATE&TIME



Automatic date&time-Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

(Optional: Use network-provided time, Off)

NOTE:

•Manually adjusting date&time settings will automatically change the **Automatic date& time to OFF**.

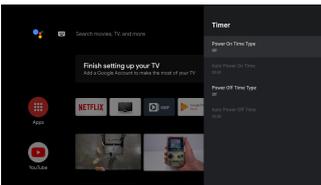
Set date: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Set time: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Set time zone: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Use 24-hour format: Press ▲/▼ button to select the option then press OK button to choose ON/OFF.

TIMER



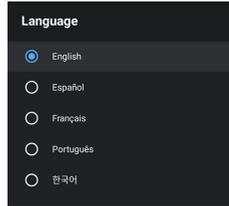
Power On Timer Type: Press ▲/▼ button to select the option then press OK button to choose ON/OFF/ONCE.

Auto Power on Time: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Power Off Timer Type: Press ▲/▼ button to select the option then press OK button to choose ON/OFF/ONCE.

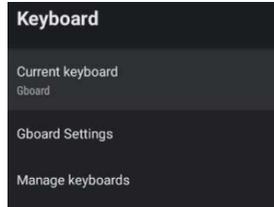
Auto Power Off Time: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

LANGUAGE



Language: Press ▲/▼ button to select the option then press OK button to enter the select language.

KEYBOARD

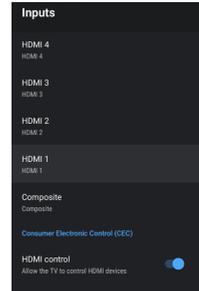


Current keyboard: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Gboard Settings: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Manage keyboards: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

INPUTS

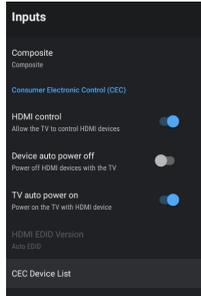


Inputs: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Menu Operations

After connecting the HDMI device, click the Inputs icon at the Home Screen, you can see the name of the connected device.

Switch to the HDMI input connected to the TV, press the MENU button on the remote control, select Settings->Device Preferences-> Inputs, to access the CEC function parameters



Consumer Electronic Control (CEC)

This function allows to control HDMI devices through the TV unit.

HDMI control

Press ▲/▼ button to select the option, then press OK button to choose ON/OFF.

Device auto power off

When this option is enabled, will shutdown the HDMI source when the TV is shutdown.

Press ▲/▼ to select the option, then press OK button to choose ON/OFF.

TV auto power on

When this option is enabled, HDMI devices attached to the TV will turn on automatically at the same time as the TV unit.

Press ▲/▼ button to select the option, then press OK button to choose ON/OFF.

HDMI EDID Version

This option allows to switch between the HDMI standards for better compatibility.

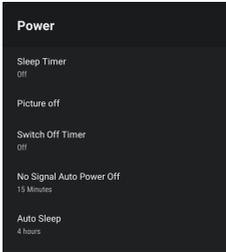
- 1) EDID 1.4: Max input 3840x2160@30Hz.
- 2) EDID 2.0: Max input 3840x2160@60Hz.
- 3) Auto: TV will choose the optimum setting according to the connected HDMI device.
- 4) EDID 2.1: Max input 3840x2160@60Hz.

CEC Device List

A list of HDMI devices with CEC function ON or OFF.

Press ▲/▼ button to select the option, then press OK button to enter the sub-menu.

POWER



Sleep Timer: Press ▲/▼ button to select the option then press OK button to enter the sub-menu.(Optional: off, 10 minutes, 20 minutes, 30 minutes, 40 minutes, 50 minutes, 60 minutes, 90 minutes, 120 minutes).

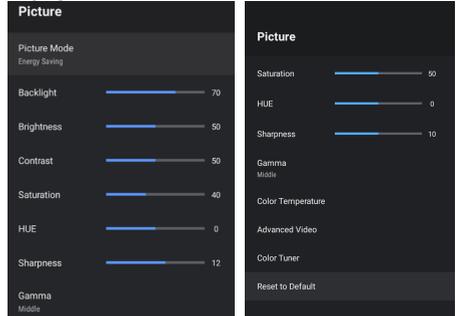
Picture off: Press ▲/▼ button to select the option then press OK button to turn off the TV.

Switch off timer: Press ▲/▼ button to select the option then press OK button to enter sub-menu. (Optional: off, 30 minutes, 60 minutes, 90 minutes, 120 minutes, 150 minutes, 180 minutes, 210 minutes, 240 minutes).

No signal Auto Power Off: Press ▲/▼ button to select the option then press OK button to enter sub-menu.(Optional: off, 5 minutes, 10 minutes, 15 minutes, 30 minutes, 60 minutes).

Auto Sleep: Automatic standby function caused by no operation.

PICTURE



Picture Mode: Press ▲/▼ button to select the option then press OK button to enter sub-menu.(Optional: user, Standard, Vivid, Sport, Movie, Game, Energy saving).

Backlight / Brightness / Contrast / Saturation / HUE / Sharpness: Press ▲/▼ button to select the option.

Press ◀ key to decrease the parameter. Press ▶ key to increase the parameter.

Gamma: Press ▲/▼ button to select the option then press OK button to enter sub-menu. (Optional: Dark, middle, Bright).

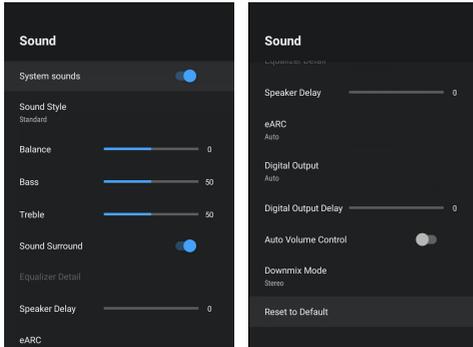
Color Temperature : Press ▲/▼ button to select the option then press OK button to enter sub-menu.

Advanced Video : Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Menu Operations

Reset to Default : Reset all settings to the factory defaults.

SOUND



System sound : Press OK button to choose ON/OFF.

Sound style : Press ▲/▼ button to select the option then press OK button to enter the sub-menu. (Optional : user, Standard, Vivid, Sports, Movie, Music, News)

Balance : Press ▲/▼ button to select the option. press ◀ key to decrease the parameter. Press ▶ key to increase the parameter.

Sound Surround : Press ▲/▼ button to select the option then press OK button to choose ON/OFF.

Equalizer Detail : Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Digital Output : Press ▲/▼ button to select the option then press OK button to enter the sub-menu. (Optional : Auto, Bypass, PCM, Dolby Digital Plus, Dolby Digital)

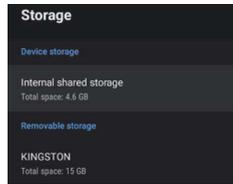
SPDIF Delay : Press ▲/▼ button to select the option. Press ◀ key to decrease the parameter. Press ▶ key to increase the parameter.

Auto Volume Control : Press ▲/▼ button to select the option then press OK button to choose ON/OFF.

Downmix Mode : Press ▲/▼ button to select the option then press OK button to enter the sub-menu. (Optional : Stereo, Surround)

Reset to Default : Reset all settings to the factory defaults.

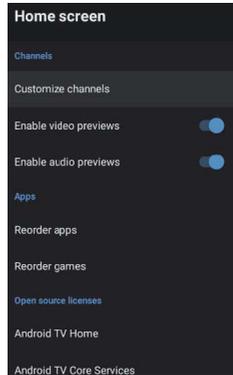
STORAGE



Internal shared storage : Press ▲/▼ button to select the option then press OK button to enter the sub-menu.

Removeable Storage : Press ▲/▼ button to select the option then press OK button to enter the sub-menu. (Note: Show external devices if available)

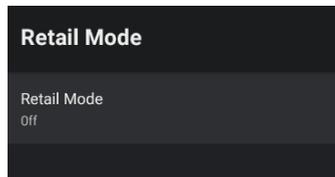
HOME SCREEN



In this menu, you can set channels, apps, open source licenses.

1. Press ▲/▼ button to select what you want set.
2. Press OK button to adjust.
3. After finishing your adjustment, Press BACK button return to the previous menu.

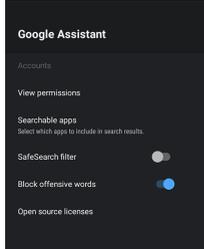
RETAIL MODE



Retail mode : Press ▲/▼ button to select the option then press OK button to choose ON/OFF.

Menu Operations

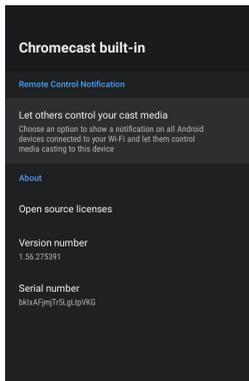
GOOGLE ASSISTANT



In this menu, you can set searchable apps, safe search filter, block offensive words, open source licenses.

1. Press ▲/▼ button to select what you want set.
2. Press ok button to adjust.
3. After finishing your adjustment, Press BACK button return to the previous menu.

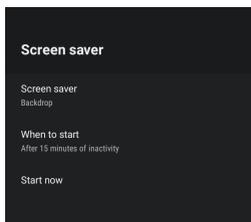
CHROMECAST BUILT-IN



In this menu, you can read the information and settings of Chromecast.

1. Press ▲/▼ button to select what you want set.
2. Press ok button to adjust.
3. After finishing your adjustment, Press BACK button return to the previous menu.

SCREEN SAVER

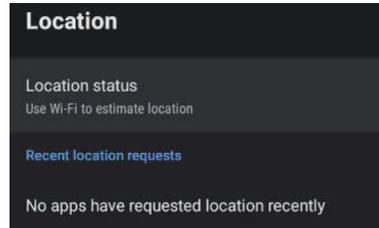


Screen saver : Press ▲/▼ button to select the option then press OK button to enter the sub-menu.(Optional: Turn screen off, Backdrop, Colors).

When to Start : Press ▲/▼ button to select the option then press OK button to enter the sub-menu.(Optional: 5 minutes, 15 minutes, 30 minutes, 1 hour, 2 hours).

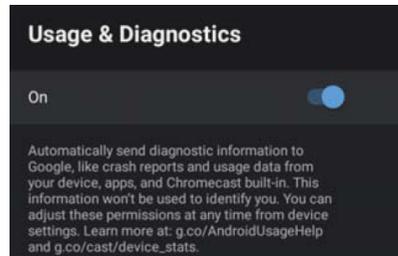
Start now : Press ▲/▼ button to select the option then press OK button to enter screen saver.

LOCATION



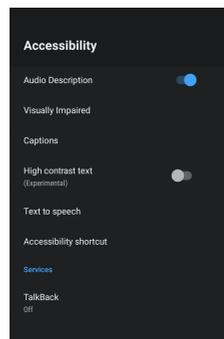
Location status : Press ▲/▼ button to select the option then press OK button to enter the sub-menu.(Optional: Use Wi-Fi to estimate location, Off).

USAGE & DIAGNOSTICS



Usage & diagnostics : Press ▲/▼ button to select the option then press OK button to choose ON/OFF.

ACCESSIBILITY



Menu Operations

Audio Description : Press ▲/▼button to select the option then press OK button to choose ON/OFF.

Visually Impaired : Press ▲/▼button to select the option then press OK button to enter the sub-menu . (Need: Audio Description ON)

Captions: Press ▲/▼button to select the option then press OK button to enter the sub -menu

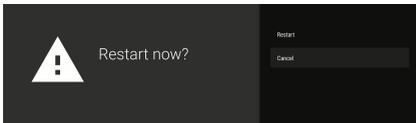
High contrast text : Press ▲/▼button to select the option then press OK button to choose ON/OFF.

Text to speech : Press ▲/▼button to select the option then press OK button to enter the sub -menu

Accessibility shortcut : Press ▲/▼button to select the option then press OK button to enter the sub -menu

TalkBack : Press ▲/▼ button to select the option then press OK button to enter the sub -menu

RESTART



Press OK button to enter the sub-menu
Click "Restar" to restart the TV.

REMOTE & ACCESSORIES



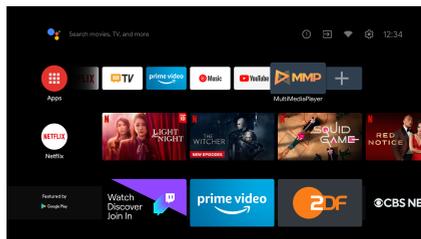
In this menu, you can pair Bluetooth devices.

1. Press the “**MENU**” and “**LEFT**” buttons at the bottom of the remote control for 5 seconds.
2. When the LED starts to flash, release it. The remote controller will send the pairing signal to the TV and display the information of the remote control on the right side of the screen.
3. Press the OK button to display the pairing. If the paired is displayed, the connection is successful.

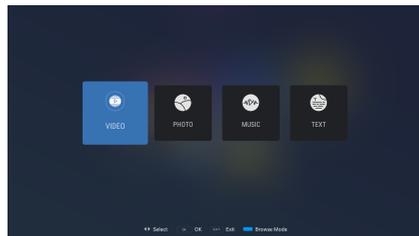
4. If the couldn't pair appears, the connection fails. Wait 30 seconds and then press the “**MENU**” and “**LEFT**” buttons at the bottom of the remote control for 5 seconds to repeat the previous steps.

5. Press **BACK** button return to the previous menu.

MULTIMEDIA PLAYER



In the HOME interface, select the MMP APP to display Video,Photo,Audio,Text.After inserting the USB flash drive, you can view the corresponding files in the USB flash drive.



NOTE :

The menu may be different depending on when you purchased the TV.

Troubleshooting

If you have any problem, check the counter measures for each symptom listed below. The following symptoms may have been caused by inappropriate adjustment rather than actual malfunction of the unit. If the trouble persists, contact the Customer Care Centre, see back page for contact details.

Symptoms	Possible solutions
No power	Please check the power cord plugged in and that the power outlet works. Unplug the power cord and plug it in after 60 seconds and restart the TV.
No picture	Please check antenna connection. Station may be experiencing problems, please tune to another station. Please adjust the settings of contrast and brightness.
Good picture but no sound	Please increase the volume. Please check TV is under mute mode, press MUTE button on the remote control. Please check sound settings. If external devices are being used, check their volumes are not set too low or turned off. If using AV inputs, please make sure cables are connected properly and not loose.
Good sound but abnormal color or no picture	Please check antenna connection and antenna condition. If using AV input, please check AV connections, incorrect or loose connections may cause colour problems or cause the screen to be blank.
No response to remote control	Batteries of remote control may have exhausted, if necessary, please change the batteries. Clean the remote control lens. The distance between LED TV and remote control should be within 8m, within recommended operating angle and path is free of obstructions.
Colored dots may be present on the screen	Although the LED screen is made with high-precision technology and 99.99% or more of the pixels are effective, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LED screen. This is a structural property of the LED screen and not a malfunction.
Picture is breaking up	Keep the TV away from noisy electrical sources such as cars, hair dryers, welders, and all optional equipment. Electrical atmospheric interference such as local or distant lightning storms may cause picture to break up. When installing optional equipment, leave some space between the optional equipment and the TV. Check the antenna and connection. Keep the antenna away from any power or input/output cables.
After Auto Tuning only some channels are available	Check your area is covered by Digital Video Broadcasts. Try re-tuning or manually tuning missing channels. Check that you are using the correct antenna type - please see pg.16 'Antenna connection'.

Troubleshooting

Channel cannot be selected	Check if the channel has been blocked in the main menu settings.
USB not playing	Please check connecting USB cable and power supply is connected. Hard drive has not been formatted. Please make sure USB disk is compatible and the multimedia data formats are supported.
Picture is distorted, macroblock, small block, dots, pixelization, etc	Compression of video contents may cause distortion especially on fast moving pictures such as sports and action movies.
Noise from speaker	Check cable connections, make sure a video cable is not connected to an audio input. Low signal level may cause sound distortion.
TV turns on automatically	Check if the On Timer is set to On in the Setup menu.
Picture is not shown in full screen	Black bars on each side will be shown on HD channels when displaying SD (4:3) contents. Black bars on Top & Bottom will be shown on movies that have aspect ratios different from your TV. Adjust picture size option on your external device or TV to full screen.