





USER MANUAL

Before using the TV, Please read this manual thoroughly, retain it for future reference.



ENGLISH

LHD32K20US

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
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.		



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



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.

FCC Statement

NOTE:

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 the 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.

WARNING:

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority.

CHILD SAFETY:

It Makes A Difference How and Where
You Use Your Flat Panel Display

Congratulations on your purchase! As you enjoy your new product, please keep these safety tips in mind:



THE ISSUE

- The home theater entertainment experience is a growing trend and larger flat panel displays are popular purchases. However, flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations.
- Flat panel displays that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests or carts may fall over and cause injury.

THIS MANUFACTURER CARES!

- The consumer electronics industry is committed to making home entertainment enjoyable and safe.

TUNE INTO SAFETY

- One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't allow children to climb on or play with furniture and television sets.
- Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" flat panel display. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.



WALL MOUNTING: IF YOU DECIDE TO WALL MOUNT YOUR FLAT PANEL DISPLAY, ALWAYS:

- Use a mount that has been recommended by the display manufacturer and/or listed by an independent laboratory (such as UL, CSA, ETL).
- Follow all instructions supplied by the display and wall mount manufacturers.
- If you have any doubts about your ability to safely install your flat panel display, contact your retailer about professional installation.
- Make sure that the wall where you are mounting the display is appropriate. Some wall mounts are not designed to be mounted to walls with steel studs or old cinder block construction. If you are unsure, contact a professional installer.
- A minimum of two people are required for installation. Flat panel displays can be heavy.



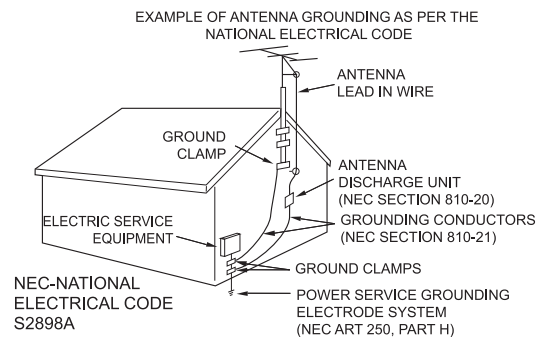
Important Safety Instructions

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 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. Apparatus should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, should not be placed on the apparatus.
16. 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, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
17. Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.
18. Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.



S3125A

19. If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges, Section 810 of the National Electrical Code, ANSI/NFPA 70, 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.



20. When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
21. Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.
22. When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.
23. Sudden high volume sound may cause hearing or speaker damage. When you use headphones, (if the unit is equipped with a headphone jack) keep the volume at a moderate level. If you use headphones continuously with high volume sound, it may cause hearing damage.

CONDENSATION

Moisture will form in the operating section of the unit if the unit is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, unit's performance will be impaired. To prevent this, let the unit 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 unit is exposed to the breeze from an air conditioner. In such cases, change the location of the unit.

Important Safety Instructions

HOW TO HANDLE THE LCD PANEL

- Do not press hard or jolt the LCD panel. It may cause the LCD panel glass to break and injury may occur.
- 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 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.

Possible Adverse Effects on LCD Panel:

If a fixed (non-moving) pattern remains on the LCD Panel for long periods of time, the image can become permanently engrained in the LCD Panel and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your LCD Panel on for long periods of time while it is displaying the following formats or images:

- Fixed Images, such as stock tickers, video game patterns, TV station logos, and websites.
- Special Formats that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (black bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (black bars on left and right sides of screen).

The following symptoms are not signs of malfunction but technical limitation. Therefore we disclaim any responsibility for these symptoms.

- LCD Panels are manufactured using an extremely high level of precision technology, however sometimes parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.
- Do not install the LCD Panel near electronic equipment that produces electromagnetic waves. Some equipment placed too near this unit may cause interference.
- Effect on infrared devices – There may be interference while using infrared devices such as infrared cordless headphones.

Declaration of Conformity

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.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

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.

Power source

TO USE AC POWER

Connect the AC cord into an AC outlet.

NOTE

Please make sure to insert the cord securely at both the TV and the wall outlet. The AC Cord has a polarized type AC line plug. If the supplied AC cord does not match your AC outlet, contact a qualified electrician.

WARNING:

Do not connect this unit to the power using any device other than the supplied AC cord. This could cause fire, electrical shock, or damage. Do not use with a voltage other than the power voltage specified. This could cause fire, electrical shock, or damage.

CAUTION:

When this unit is not used for a long time, (e.g., away on a trip) in the interest of safety, be sure to unplug it from the AC outlet. Do not plug/unplug the AC cord when your hands are wet. This may cause electrical shock. If you need to replace the supplied AC adapter or AC cord, the specified one is recommended. Contact the dealer that you purchased the unit from.

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NOTE

Specifications and pictures are subject to change without further notice.

Accessories list

			
Manual Book	Remote Control	Battery x 2	Stand Fixing Screws

SIX SCREWS (GB/T818 - 2000 M4×12) FOUR SCREWS (GB/T818 - 2000 M5×12) TWO SCREWS (SJ2822 - 87ST4×14)

Getting Started

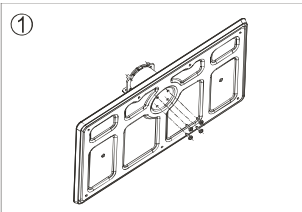
Installing the Stand

NOTE

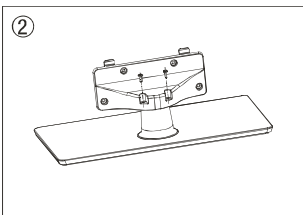
- Store the stand and stand screws in case you want to decide to the stand in the future.
- The above figures are for reference only, please refer to the actual units to determine the appearances.

To install the stand:

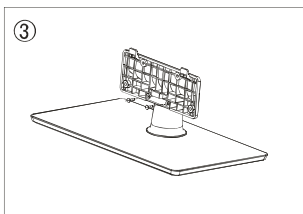
Put the TV set on the level table on which is the pad cloth or other soft material. Use the provided screws (in the enclosed bag of the base) to fix the base to the whole unit.



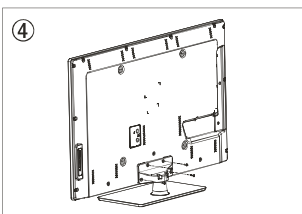
Use the four screws (GB/T818-2000 M4×12) which in accessories bag to fix the base plate and upright.



Use the two screws (GB/T818-2000 M4×12) which in accessories bag to fix the cover plate and upright.



Use the two screws (SJ2822-87ST4×14) which in accessories bag to fix the cover plate and upright.



Use the four screws (GB/T818-2000 M5×12) which in accessories bag to fix the base stand and TV set.

Installing a wall-mount bracket

If you want to attach the TV to a wall-mount bracket (not provided), you should first remove the stand if it is pre-attached (see above).

To attach your TV to a wall-mount bracket:

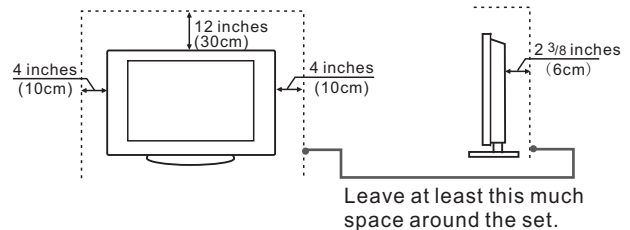
WARNING: See the instructions that came with the wall-mount bracket for information about how to correctly hang your TV.

- Secure the wall-mount bracket to the back of your TV using the four screws provided with the bracket.

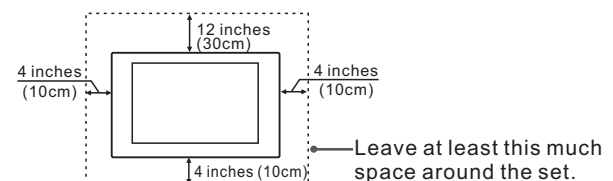
When Installing the TV Against a Wall or Enclosed Area

Make sure that your TV has adequate air circulation. Allow enough space around the TV as shown below. Avoid operating the TV at temperatures below Inadequate air 41 °F (5 °C).

Install with stand

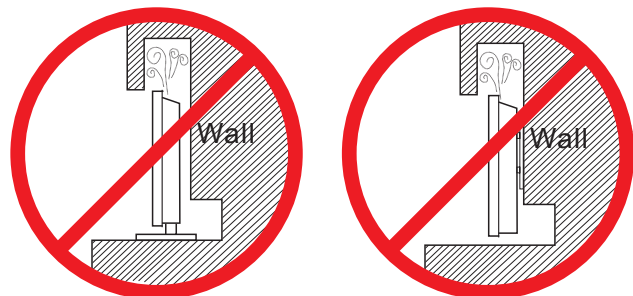


Install on the wall



Never install the TV set as follows:

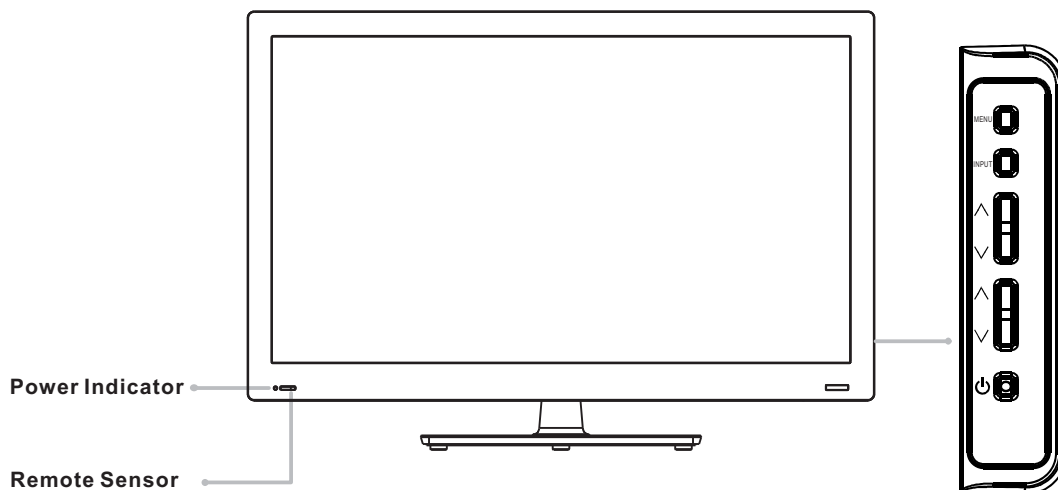
Air circulation is blocked. Air circulation is blocked.




Inadequate air circulation can lead to over heating of the TV and may cause.

Getting Started

Viewing the Control Panel



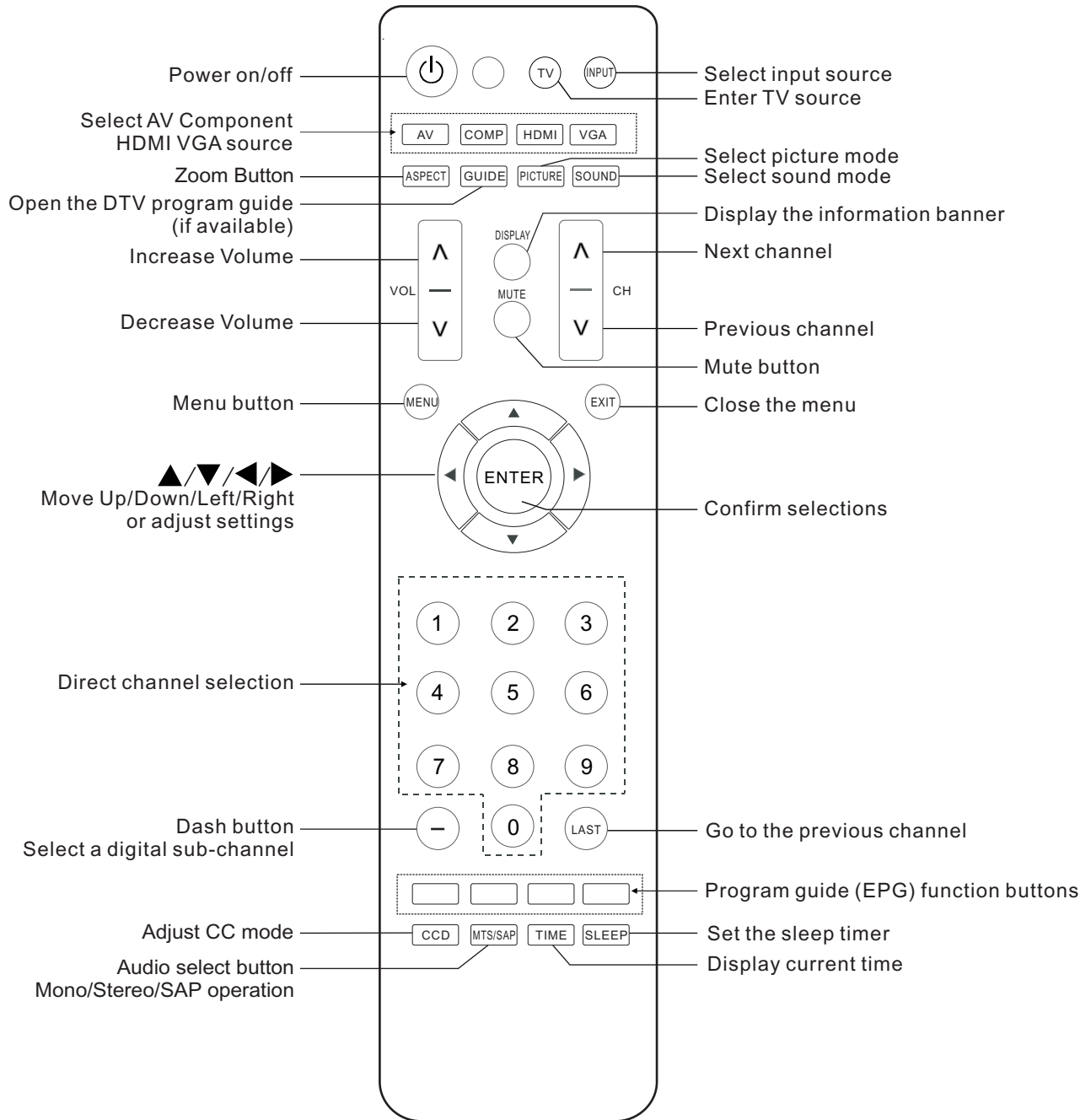
Item	Description
Remote sensor	Receive remote signals from the remote control. Do not put anything near the sensor, as its function may be affected.
Power Indicator	Blink and turn off when the power is on and lights up in standby mode.
MENU	Display an on-screen menu, the OSD (on screen display) of your TV's features.
INPUT	Select among the different input signal sources.
VOL \wedge VOL \vee	Adjust the volume. Select sub-menu and adjust setting in OSD menus.
CH \wedge CH \vee	Adjust the channel. Select items of OSD menu.
	Press to turn on the TV or put the TV in standby mode. Caution: The TV continues to receive power even in standby mode. Unplug the power cord to disconnect power.

NOTE

The figures are for reference only, please refer to the actual set.

Getting Started

Viewing the Remote control



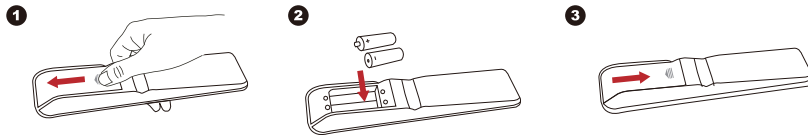
NOTE

1. Illustrations are for your reference only.
2. Red/Green/Yellow/Cyan buttons are used for EPG.
After pressing the [GUIDE] button when viewing digital channels, the same color buttons will appear with explanations in the on-screen display (OSD). Follow the steps shown in the OSD.

Getting Started

Installing Batteries in the Remote Control

1. Slide the back cover to open the battery compartment of the remote control.
2. Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.
3. Close the battery compartment cover.

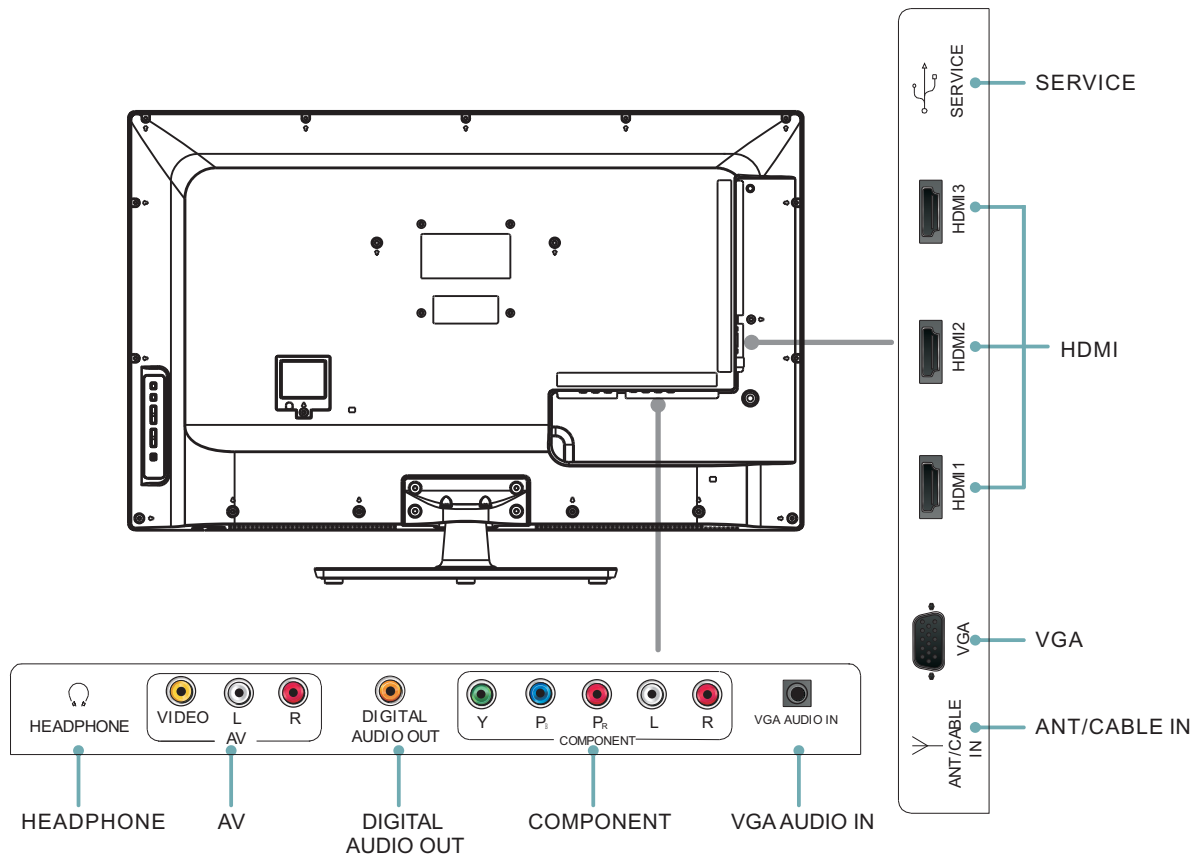


NOTE

1. Dispose of your batteries in a designated disposal area. Do not throw the batteries into fire.
2. Do not mix battery types or combine used batteries with new ones.
3. Remove depleted batteries immediately to prevent battery acid from leaking into the battery compartment.
4. If you do not intend to use the remote control for a long time, remove the batteries.
5. Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
6. Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.

Getting Started

Making Connections



Item	Description
HDMI	HDMI (High-Definition Multimedia Interface) provides an uncompressed, all digital audio/video interface between this TV and any HDMI-device, such as a set-top box, Blu-ray disc player, and A/V receiver.
COMPONENT	Connect to a DVD player, Digital Set-Top-Box, or other A/V devices with component(YPbPr) video and audio output jacks.
VGA/VGA AUDIO IN	Connect to a PC or other devices with a VGA interface.
ANT/CABLE	Connect an antenna or cable TV to this jack.
SERVICE	For software update only. (Do not use.)
DIGITAL AUDIO OUT	Connect to an external digital audio device.
HEADPHONE	Connect earphones for private listening.
VIDEO/AUDIO(L,R)	Connect to the composite video and audio(L/R) output jacks on external video devices.

Getting Started

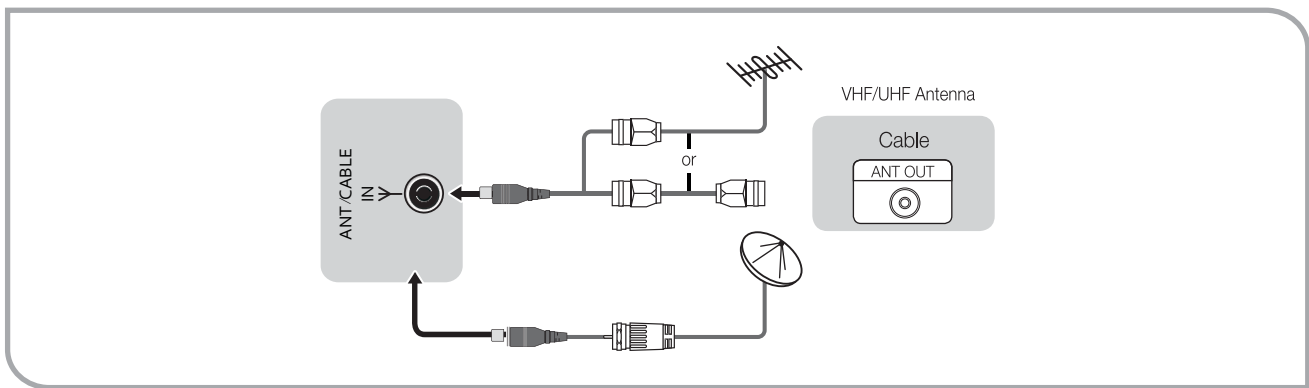
Making Connections

NOTE

1. Check the jacks for position and type before making any connections. Loose connections can result in image or color problems. Make sure that all connections are tight and secure.
2. Not all A/V devices have the ability to connect to a TV, please refer to the user's manual of your A/V device for compatibility and connections procedure.
3. Always unplug the power cord when connecting external equipment.

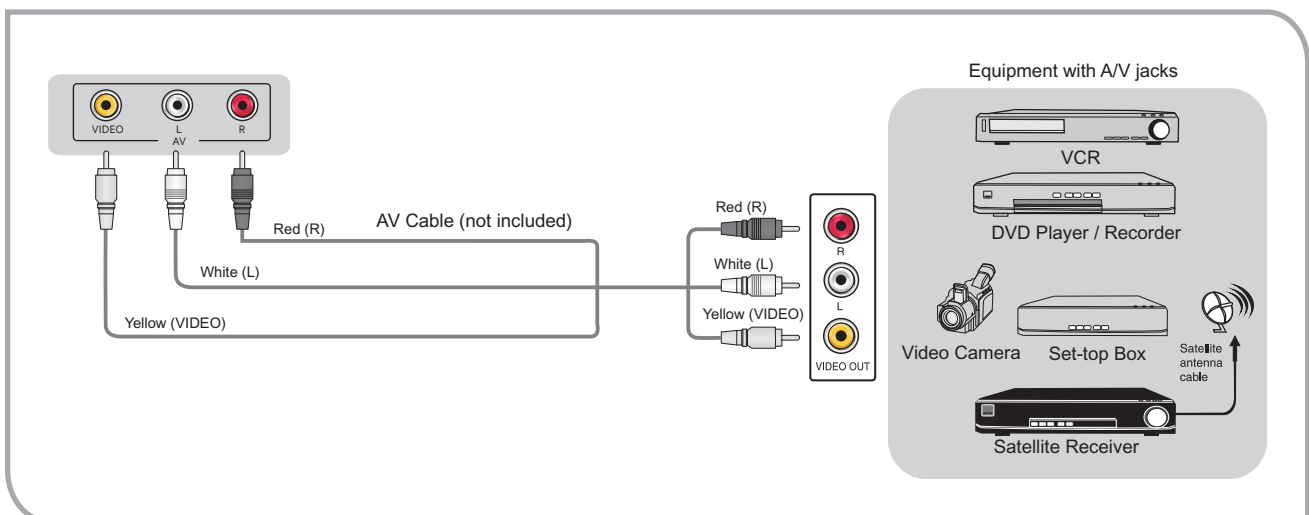
Connecting an antenna, cable or cable/satellite box

1. Turn off the TV before connecting the antenna.
2. Connect one end of a coaxial cable (not included) to the RF OUT jack on the antenna, cable or cable/satellite box. If you are using an antenna with twin-lead cable, you may need a 300-75 ohm adapter (not provided) to connect it to the back of your TV. Likewise, if you are using several antennas, you may need a combiner (not provided).
3. Connect the other end of the cable to the ANT/CABLE IN jack on the side of your TV.



Connecting an A/V Device with Composite Cable

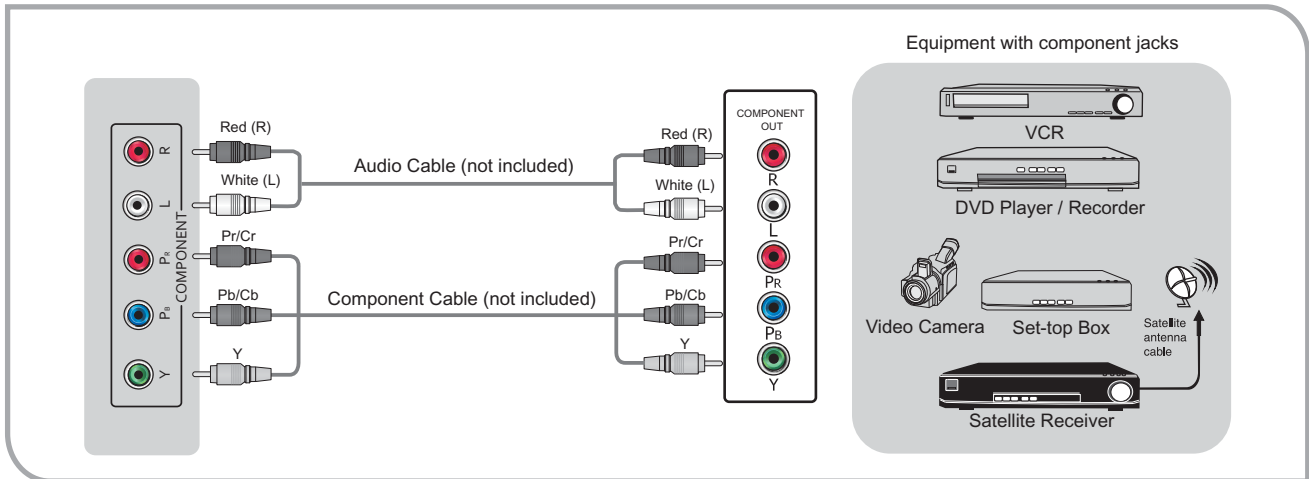
1. Use the audio and video cables to connect the external A/V device's composite video/audio jacks to the TV's jacks. (Video = yellow, Audio Left = white, and Audio Right = red)
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.



Getting Started

Connecting an A/V Device with Component (YPbPr) Cable

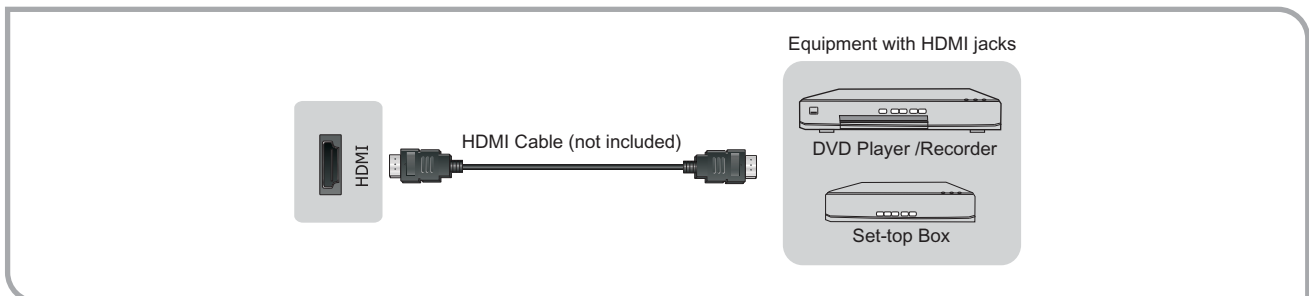
1. Use a component cable to connect the external A/V device's component output jacks to the TV's YPbPr jacks. Use an audio cable to connect the external A/V device's component audio jacks to the TV's AUDIO(L/R) jacks.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.



Connecting an A/V Device with HDMI Cable

- Support digital connections between HDMI - enabled AV devices such as PVR, DVD, Blu-Ray, AV receiver and digital devices).
- Some devices such as PVR or DVD player require HDMI signal to be set to output in the device's settings.
- Please consult your device user manual for instructions.

1. Use an HDMI cable to connect the A/V device's HDMI output jack to the TV's HDMI jack.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.



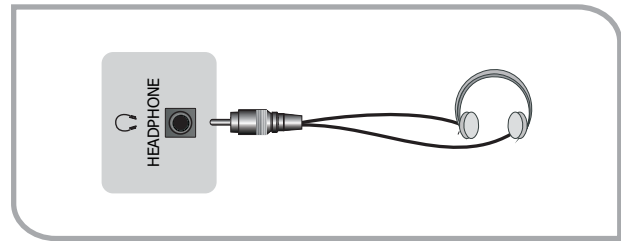
NOTE

The HDMI connector provides both video and audio signals, it's not necessary to connect the audio cable.

Getting Started

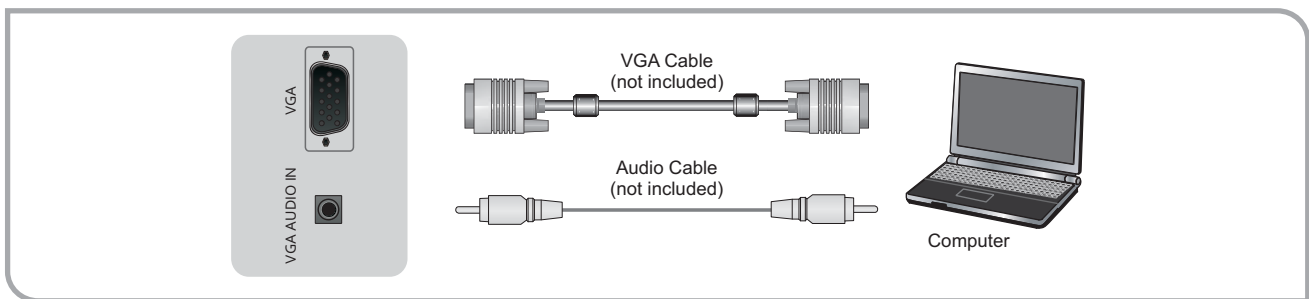
Connecting a headphone

Headphones can be connected to the HEADPHONE output on your set. (While the headphone is connected, the sound from the built-in speakers will be disabled.)



Connecting a PC with VGA Cable

1. Use a VGA cable to connect the PC's VGA output jack to the TV's VGA jack. Use an audio cable to connect the PC's audio output jack to TV's VGAAUDIO IN jack.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.

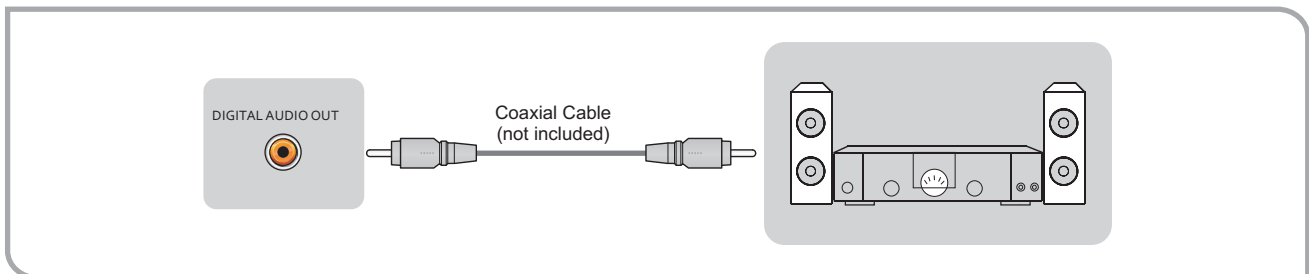


NOTE

- Primarily this unit is intended for use as an LCD TV. If you want to use it as a monitor, please contact the manufacturer of the PC Video/Graphic's card for further support. Perfect compatibility is not warranted.
- The D-Sub cable will not supplied with the product.
- We strongly recommend to use D-Sub cable with 2 cores as shown in the figure.

Connecting an Audio Receiver with Digital Audio out cable

1. Use a coaxial cable to connect the A/V device's audio jack to the TV's DIGITAL AUDIO OUT jack.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Select the corresponding source from the TV.



NOTE

- When a digital audio system is connected to the DIGITAL AUDIO OUT (COAXIAL) jack, decrease the volume of both the TV and the system.
- 5.1 CH (channel) audio is available when the TV is connected to an external device supporting 5.1 CH.
- When the receiver (home theater) is set to on, you can hear sound output from the TV's digital audio out jack. When the TV is receiving a DTV signal, the TV will send 5.1 CH sound to the home theater receiver. When the source is connected to the TV via HDMI, only 2 CH audio will be heard from the home theater receiver. If you want to hear 5.1 CH audio, connect the digital audio out jack from your DVD / Blu-ray player / cable box / STB satellite receiver directly to an amplifier or home theater.

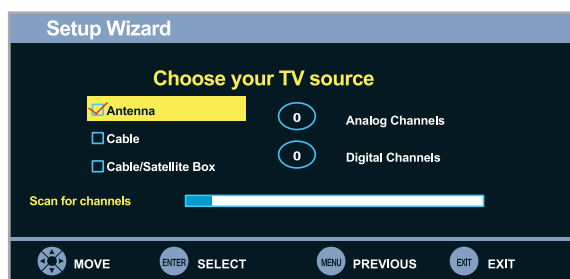
Basic Features

Turning the TV On for the First Time

The **Setup Wizard** menu appears the first time you turn on the TV. It will assist you to specify the menu language, picture mode, TV source and program your channels automatically.

IMPORTANT: Make sure that the antenna , cable or cable/satellite box connection is made.

1. Make sure that you have:
 - Installed the remote control batteries.
 - Connected an antenna, cable or cable/satellite box.
 - Connected the power cord.
2. Press [POWER] (⏻) to turn your TV. The **Setup Wizard** menu displays.
3. Press [▲ / ▼] to select your menu language: English, French or Spanish, press [ENTER] button to confirm.
4. Press [▲ / ▼] to select your picture mode: Home Mode or Retail Mode, press [ENTER] button to confirm.
5. Press [▲ / ▼] to select your TV source: Antenna, Cable or Cable/Satellite Box, press [ENTER] button to confirm.



- If you select Antenna or Cable, your TV automatically starts “Scan for channels” available in your viewing area.
- If you select Cable/Satellite Box, your TV does not need to scan for channels.
- Depending on the reception condition, it may take up to 25 minutes or more to complete memorizing channels. Please allow the process to complete without interruption.

Turning your TV on or off

To turn your TV on or off (standby mode):

1. Plug the power cord into an AC power outlet.
2. Press [POWER] button. Your TV turns on.
3. Press [POWER] button again to turn off your TV. When you turn off your TV, it goes into standby mode.

⚠ WARNING

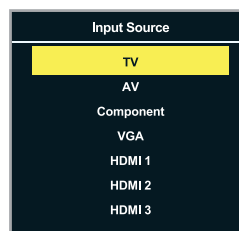
When your TV is in standby mode, it is still receiving power. To completely disconnect power, unplug the power cord.

✓ NOTE

If your TV does not receive an input signal for several minutes, it automatically goes into standby mode.

Selecting the Input Source

The first time you turn on your TV, you must select the TV signal source. Your TV stores this information, so you do not need to change the TV signal source unless it changes. For example, you change from an outside antenna to cable TV.



To select the video input source:

1. Turn on your TV, then press [INPUT] button on the remote or on the TV. The **Input Source** menu opens.
2. Press [▲ / ▼] button to highlight the input source, then press [ENTER] button.

Changing Channels/ Volume

1. Press [CH▲ / V] button on the remote control, you can change the channels.
(Press [VOL▲ / V] button to raise or lower the volume).
2. Press [CH▲ / ▼] button on the front panel of the TV set, you can also change the channels.
(Press [VOL▲ / ▼] button to raise or lower the volume).
3. Press the numeric buttons on the remote control to display the corresponding channels.

✓ NOTE

Changing the channels can also be achieved by directly pressing the programme No. If you want to choose the programme No. from 1 to 9, press the numeric buttons directly. If you want to select a programme No. that double-digit or three-figure, the time between twice pressing the numbers should not be more than 3 seconds.

Basic Features

To Use the Menu

- 1 Press the [MENU] button to open the main menu.
- 2 Press the [◀/▶] to select a menu option, then press the [▼/ENTER] to enter the menu.
- 3 In the menu, you can:
press the [▲/▼] to select an item,
press the [◀/▶] to adjust the value, or
press the [▶/ENTER] to enter a submenu.
- 4 Press the [MENU] button to return to the previous menu or press the [EXIT] button to exit the menu.

NOTE

The menus in the user's manual may vary slightly from the actual screen.



Using the Picture Menu

You can adjust:

Mode - Adjust the Picture Mode. You can select: Vivid, Standard, Energy Savings, Theater, Sports or Custom.

Brightness - You can increase or decrease the brightness of the picture. Increasing the brightness can add more light to dark areas of the picture, while decreasing the brightness can add more darkness to light areas of the picture.

Contrast - You can increase or decrease the contrast of the picture. Increase the contrast to adjust the white areas of the picture or decrease the contrast to adjust the black areas of the picture.

Color - Adjust the level of color in the picture.

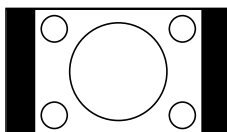
Tint - Adjust flesh tones so they appear natural.

Sharpness - You can increase the sharpness level for clearer images or decrease the sharpness level for smoother images.

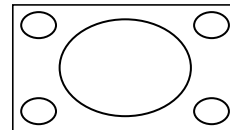
Advanced Video - Access advanced video settings such as Aspect Ratio, OverScan, Color Temperature, Noise Reduction and Adaptive Contrast.

Aspect Ratio: Select the screen aspect ration from Normal, Wide, Zoom, Cinema and Auto Zoom.

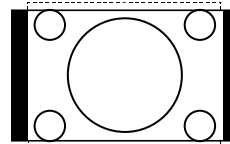
- **Normal**: The original 4:3 aspect ratio (1.33:1 signal) is preserved, so black bars are added to the left and right of the image. Standard TV broadcasts are displayed with a 4:3 aspect ratio.



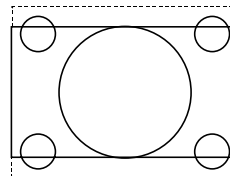
- **Wide**: When watching a standard broadcast or full-frame movie in this mode, the display image is stretched proportionately to fill the TV screen. When watching a widescreen (1.78:1 signal) program or movie, the display image fills the TV screen.



- **Zoom**: Stretch the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:1.78 aspect ratio.



- **Cinema**: Stretch the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:2.35 aspect ratio.



- **Auto Zoom**: According to different signal, it can adjust the display image automatically.

NOTE

It's available when the Auto Zoom is "On" in the **Channels** menu.

Basic Features

OverScan: Turn "Off" when connecting a computer to show the full image on the TV.

NOTE

Only available in VGA mode.

Color Temperature: Change the color temperature. You can select the color temperature from three options: Cool, Normal and Warm.

Noise Reduction: It can optimize the picture signal from time and space; reduce the outside noise interference and return the pure initial signal. It has four ratings: Off, Low, Middle and High.

Adaptive Contrast: According to the content of picture, it can adjust contrast automatically.

Reset Picture Setting - This function helps you reset all picture settings to factory mode.

PCM: PCM is an encoding, mainly used for analog signal, Dolby mainly used for digital signal.

RAW: When the data stream carries Dolby signal, digital audio outputs Dolby data stream. When the data stream carries no Dolby signal, it transports PCM data stream.

MTS/SAP - Select the default audio stream: Mono, Stereo or SAP.

Mono: If there is noise or static on weak stereo broadcasts.

Stereo: For programs broadcast in stereo.

SAP: To listen to a secondary audio program.

NOTE

Only available in analog TV signal.

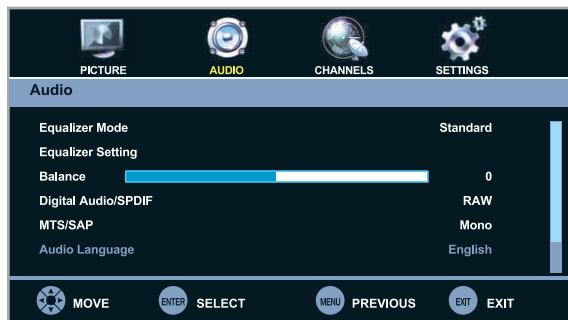
Audio Language - Select the Audio Language: English, French or Spanish.

NOTE

Only available in digital TV signal.

Auto Volume - According to different audio signal, it can adjust volume automatically.

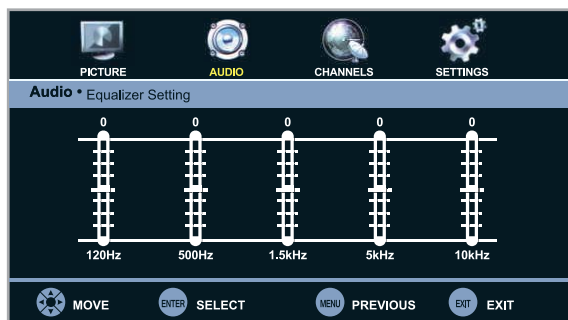
Using the Audio Menu



You can adjust:

Equalizer Mode - Select the Equalizer Mode: Custom, Standard, Theater, Music or News.

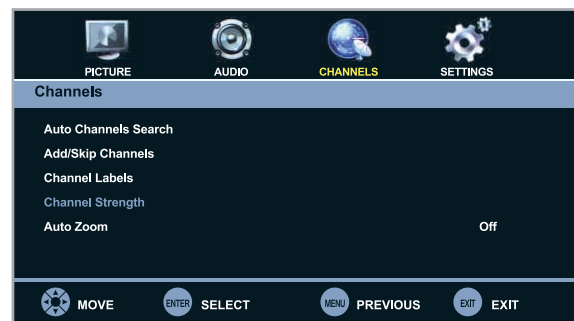
Equalizer Setting - Weaken or enlarge the sound of the main frequency points.



Balance - Adjust the volume of the left and right speakers.

Digital Audio/SPDIF - Send digital audio to an external audio system. You can select PCM or RAW.

Using the Channels Menu



You can adjust:

Auto Channels Search - Select TV source: Antenna or Cable, then Scan for Channels that have signals and stores the channels information in the channel list.

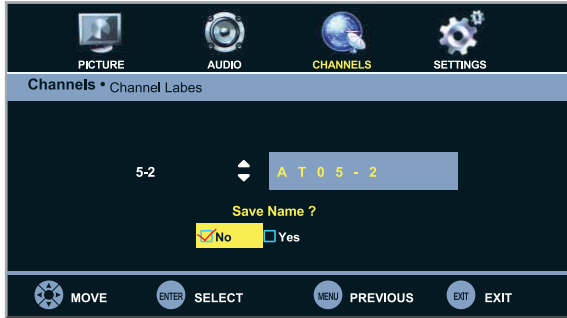
Add/Skip Channels - You can add or cancel a channel stored in the channel list.

NOTE

When you press [CHA / V] button, your TV skips the channel you cancelled. You can still tune to the channel using the number buttons on the remote control.

Basic Features

Channel Labels - You can rename the channel labels.



NOTE

You can press [▲ / ▼] to select the character, press [◀ / ▶] to select the character's position.

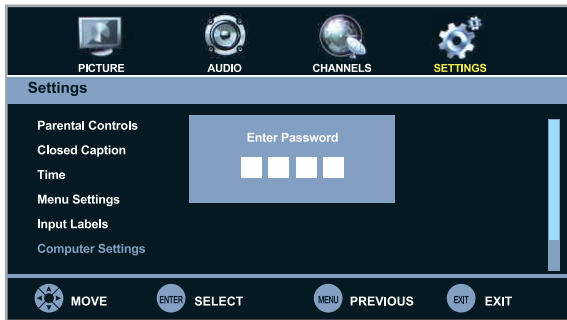
Channel Strength - Display signal strength of selected digital channels.

NOTE

Only available in TV mode.

Auto Zoom - According to different signal, it can adjust the display image automatically.

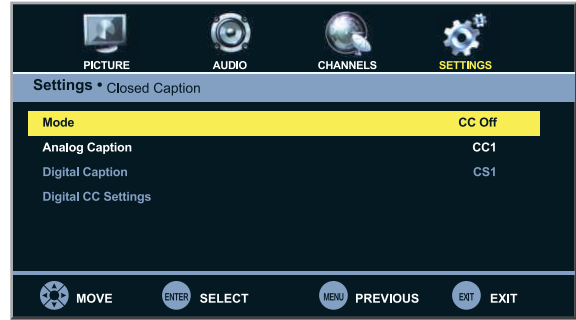
Using the Settings Menu



You can adjust:

Parental Controls - You can set parental controls for the USA and Canada. For more information, see "Using the Parental Controls Menu" on page 14.

Closed Caption - Adjust Closed Captioning settings.



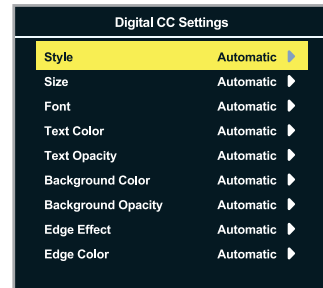
Mode: Select the Closed Caption mode: CC Off, CC On or CC On Mute.

Analog Caption: Select an Analog Caption setting:

- **CC1~CC4:** Closed captioning appears in a small banner across the bottom of the screen. CC1 is usually the "printed" version of the audio. CC2~CC4 display content provided by the broadcaster.
- **Text1~Text4:** Closed captioning that covers half or all of the screen. Text1~Text4 display content provided by the broadcaster.
- **Off:** To turn off the Analog Caption.

Digital Caption: Select a Digital Caption setting: CS1~CS6.

Digital CC Settings: Customize the look of digital Closed Captioning.



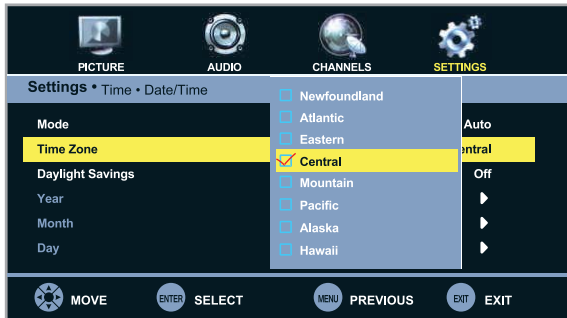
- **Style:** Set the look of Digital CC. Automatic uses broadcaster's style.
- **Size:** Select the font size.
- **Font:** Select the font style.
- **Text Color:** Select the color for the texts.
- **Text Opacity:** Select the opacity level for the texts.
- **Background Color:** Select the color for the background.
- **Background Opacity:** Select the opacity level for the background.
- **Edge Effect:** Select the edge effect.
- **Edge Color:** Select the edge color.

Time - Set the Date/Time and Sleep Timer.

Date/Time: You can set up the exact time by yourself.

Basic Features

- **Mode:** There are two items in it: Custom and Auto. If Automatic, only Time Set and Time Zone can be changed.
- **Time Zone:** You can select: Newfoundland, Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii.



- **Daylight Savings:** Set the Daylight Saving time for your area.
- **Year:** Select the current year.
- **Month:** Select the current month.
- **Day:** Select the current day.
- **Hour:** Select the current time.

Sleep Timer: Specify the amount of time before your TV automatically turns off: off-5-10-...-240 minutes.

Menu Settings - Set the menu's transparency and language.

Transparency: Adjust the transparency of menu.

Language: You can select the menu's language among English, French and Spanish.

Input Labels - Rename the input labels for the devices connected to your TV.

Input: You can select the input source from TV, AV, Component, VGA and HDMI1~HDMI3.

Label: You can select a name for the input source among: Default, DVD, Game, Custom, VCR, Set Top Box, Satellite, Cable Box, PC.

Custom: You can create your own label name.

Reset Input Labels: You can reset all labels to factory mode.

Computer Settings - Set options for when a computer is connected to the TV.

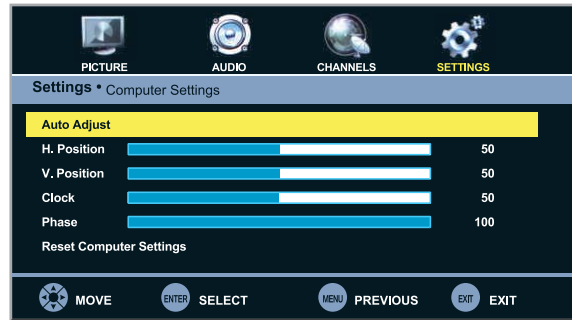
NOTE

When **Label** is set up as "Custom", this option is available.

Auto Adjust: It can adjust the image settings such as position and phase automatically.

H. Position: Move the image right or left.

V. Position: Move the image up or down.



Clock: Adjust the sample frequency.

Phase: Adjust the focus of stable images.

Reset Computer Settings: You can reset all computer settings to factory mode.

Component Settings - Set options for when an A/V device with component cable is connected to the TV.

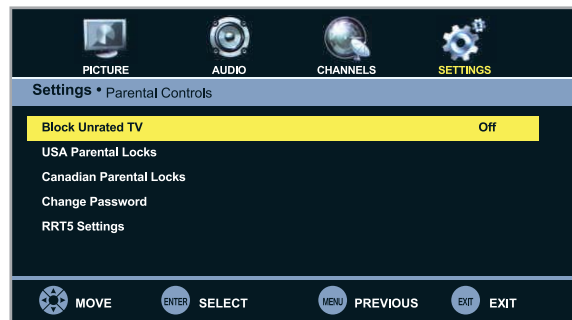
Phase: Adjust the focus of stable images.

Reset Component Settings: You can reset all component settings to factory mode.

Reset to Default - Every TV has its original setting before leaving the factory. So this function helps you restore these settings.

Using the Parental Controls Menu

When you first use this function, the default password is [0000]. Once you input this password, you can set options.



You can adjust:

Block Unrated TV - Block TV programs that do not have a rating.

USA Parental Locks - Restrict movie and TV programs by USA Ratings.

Canadian Parental Locks - Restrict movie and TV programs by Canadian Ratings.

Basic Features

Change Password - If you want change the default password, first enter the new password then enter the same password again.

RRT5 Settings - Display an advanced V-Chip ratings table for digital channels.

Following is the description of these ratings.

MPAA Ratings

Rating	Defined as
None	Unselect all
G	General audience
PG	Parental Guidance suggested
PG-13	Parents strongly cautioned
R	Restricted
NC-17	No one 17 and under admitted
X	Adult audience only

TV Ratings

Age	Defined as
None	Unselect all
TV-Y	All children
TV-Y7	Directed to older children
TV-G	General audience
TV-PG	Parental Guidance suggested
TV-14	Parents Strongly cautioned
TV-MA	Mature Audience only

Contents	Defined as
All	All of the ratings below that rating set blocked automatically
FV	Fantasy Violence
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence

Canadian Ratings (English)

Rating	Description
E	Exempt programming
C	Children
C8+	Children 8 years and older
G	General Programming, suitable for all audiences
PG	Parents Guidance
14+	Viewers 14 years and older
18+	Adult Programming

Canadian Ratings (French)

Rating	Description
E	Exempt programming
G	General
8 ans+	8+General; Not recommended for young children
13 ans+	Programming may not be suitable for children under the age of 13
16 ans+	Programming is not be suitable for children under the age of 16
18 ans+	Programming restricted to adults

Other Information

Trouble Shooting

When something appears wrong with your TV refer to below chart. If the proposed remedy's do not work , then unplug the AC cord from wall, wait at least 60 seconds, plug AC back in and then Turn on the TV. If the problem still cannot be solved, please contact the help line provided on the warranty card or a professional technician.

SYMPTOMS	POSSIBLE SOLUTIONS
No sound or picture.	<ul style="list-style-type: none"> ● Check if the power cord is in the AC outlet and if it has electricity. ● Check if you have pressed [POWER] button on the TV or [POWER] button on the remote control. ● Check to see if LED light is either red or blue. If illuminated, power to TV is OK.
I have connected an external source to my TV and I get no picture and/or sound.	<ul style="list-style-type: none"> ● Check for the correct output connection on the external source and for the correct input connection on the TV. ● Make sure you have made the correct selection for the input mode for the incoming signal.
When I turn on my television, there is a few second delay before the picture appears. Is this normal?	Yes, this is normal. That is the TV searching for previous setting information and initializing the TV.
Picture is normal, but no sound.	<ul style="list-style-type: none"> ● Check the volume settings. ● Check if Mute mode is set "on".
Sound but no picture or black and white picture.	<ul style="list-style-type: none"> ● If black and white picture first unplug TV from AC outlet and replug after 60 seconds. ● Check Color Setting if picture is black and white.
Sound and picture distorted or appear wavy.	<ul style="list-style-type: none"> ● An electrical appliance may be affecting TV set. Turn off any appliances, if interference goes away, move appliance farther away from TV. ● Insert the power plug of the TV set into another power outlet.
Sound and picture is blurry or cuts out momentarily.	<ul style="list-style-type: none"> ● If using an external antenna, check the direction, position and connection of the antenna. ● Adjust the direction of your antenna or reset or fine tune the channel.
Horizontal/vertical stripe on picture or picture is shaking.	Check if there is interfering source nearby, such as appliance or electric tool.
The plastic cabinet makes a "clicking" type of sound.	"Click" sound can be caused when the room temperature changes. This change causes the television cabinet to inflate or contract, which makes the sound. This is normal and
Black square appears in the center of my television screen?	The Closed Caption function is set in the "text" mode. To remove it, access Closed Caption from the menu screen and change the Mode setting from "text" to either "Cc1" or "off".

Other Information

Trouble Shooting

SYMPTOMS	POSSIBLE SOLUTIONS
<p>On some channels getting another language or sometimes no sound at all.</p>	<p>That would indicate that the MTS mode on your unit is set to "SAP" mode. We suggest setting the MTS mode to either "Stereo" or "Mono". For further instruction, please see "Audio Adjust" or "MTS/SAP" in your user manual.</p> <ul style="list-style-type: none"> ● SAP is Second Audio Program. It's a second audio channel that is usually used for a second language or descriptive audio for the visually impaired. ● MTS stands for Multichannel Television Sound, a standard that allows the encoding of 3 channels of audio within a standard NTSC (analog) video signal to a television. A television that is able to receive MTS Stereo allows you to watch television with stereo sound.
<p>Not getting all of my cable channels on the television or I'm only getting 13 channels.</p>	<ul style="list-style-type: none"> ● Check the cable connection for an incoming signal. Make sure the signal is coming OK. Best way to confirm signal is to use another TV and/or contact your cable company. ● Reprogram your channels. Press [MENU] button on your TV remote control, change Input Source setting to "Cable", then use "Auto Channels Search" to reprogram your channels.
<p>[CHA / V] don't work when I set the Channel to Cable? They work with the Air setting?</p>	<p>After switching to Cable, please auto program the channels. The TV will "remember" all the channels then the TV will allow you to surf the channels with [CHA / V] buttons.</p>
<p>Remote control does not work.</p>	<ul style="list-style-type: none"> ● Confirm that TV still has power and is operational. ● Change the batteries in the remote control. ● Check if the batteries are correctly installed. ● Clean the front of the remote control (LED window). ● If using a universal remote, be sure to select the TV mode on the remote. ● If the remote still does not work: <ul style="list-style-type: none"> -remove and reinstall the batteries correctly to reset the remote or install new batteries. -press TV and then Power to turn on the TV. With a universal remote if you have reset or changed the batteries you will need to reprogram the remote for the other units. ● Check if there is obstruction between the remote control and the TV. <p>TIP: If you have a digital camera/camera phone, you can aim the front of the remote at camera lenses (at this time, the camera should set on camera mode, not play mode). Observe the camera screen while pressing a button on the remote control; you should see flashing light on the screen. If there is no light observed, the remote control is not working. You need to repair or replace the remote control.</p>

Other Information

General

 **NOTE**

Features, appearance and specifications are subject to change without notice.

Model Name		LHD32K20US
Dimension	Without stand	Width: 29.9 inches(760mm) Height: 18.6 inches(472 mm) Depth: 2.4 inches(62 mm)
	With stand	Width: 29.9 inches(760 mm) Height: 20.9 inches(531mm) Depth: 7.9 inches(200 mm)
Weight	Without stand	20.9 lbs(9.5 kg)
	With stand	24.2 lbs(11 kg)
LCD Panel Minimum size (diagonal)		31.5 inches
Screen resolution		1366×768
Audio power		6 W+6 W
Power consumption		Please refer to the rating label
Power supply		120V ~60 Hz
Receiving systems	Analog	NTSC
	Digital	ATSC, 8-VSB, Clear-QAM
Environmental conditions		Temperature: 41°F~95°F(5°C~ 35°C), Humidity: 20%-80% RH Atmospheric pressure: 86kPa-106kPa
Component Input		480I, 480P, 720P/60Hz 1080I/60Hz, 1080P/60Hz
VGA Input		VGA(640×480/60Hz), SVGA(800×600/60Hz) XGA (1024×768/60Hz)
HDMI		RGB/60Hz (640×480,800×600) YUV/60Hz (480I,480P,720P,1080I,1080P)



This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health. Presence of this label on the product means it should not be disposed of as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly.

HDMI™

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