



# LED LCD TV User's Manual

Model Number.  
LED52B45RQ

Please register your product at [www.rca.com](http://www.rca.com)

Please keep your sales receipt and keep the record of the serial number and the date of purchase in order to receive warranty parts and service. The serial number is located at the back of the TV.

Serial Number / Número de serie de TV

Date of Purchase / Fecha de la compra

Made for Today.  
[www.rca.com](http://www.rca.com)



Part No.: RN0352R0100

English

## Table of Contents

Child Safety Guide.....	1
Caution and Warning.....	2
FCC Notice.....	2
Safety Precautions.....	2
Preparation for Your New TV.....	3
Check Accessories.....	3
Setup TV Table Stand.....	3
Select TV Location.....	3
Connection and Using.....	3
TV Stand Installation.....	3
TV Signal Connection.....	4
Cable Connections.....	4
Side Panel Connections.....	4
Connecting AV Composite Video device.....	4
Connecting YPbPr Component device.....	5
Connecting HDMI device.....	5
How to Obtain Various Kinds of Input Sources.....	5
TV Jacks Explanation.....	5
Keypad and Front Panel.....	6
Panel Buttons.....	6
Front Panel.....	6
Remote Control Instructions.....	6
Inserting Batteries in the Remote.....	6
Remote Control Reception Angle.....	6
Learning about Remote Control.....	6
Remote Control Buttons.....	6
Initial Setup.....	7
Basic Operations.....	7
Turning On and Off.....	7
Choosing TV Channel.....	7
Selecting Input Source.....	7
Channel Bar.....	7
Adjusting Volume.....	7
EPG (Electronic Program Guide).....	8
OSD Menu Operations.....	8
Adjust the OSD Screen.....	8
Picture Menu.....	8
Sound Menu.....	8
Channel Menu.....	9
Parental Menu.....	9
Setup Menu.....	9
Others Menu.....	10
Frequently Asked Questions (FAQs).....	11
Troubleshooting.....	11
V-Chip Rating Explanations.....	12
US V-Chip Rating System.....	12
Canadian English Rating System.....	12
Canadian French Rating System.....	12
Wall Mounting Unit Specification.....	13
USB Media Play.....	13
Product Specification.....	13
Warranty Card.....	14

## Child Safety Guide

**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.

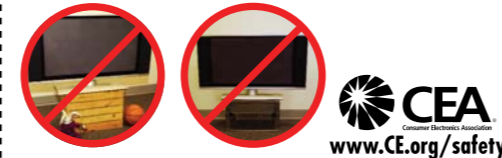
### THIS MANUFACTURER CARES!

- 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.

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## Child Safety Guide

**SEGURIDAD DE NIÑOS:**  
El Cómo y Dónde Usted Usar Su Monitor de Pantalla Plana Marca La Diferencia

¡Muchas gracias por su uso del presente producto!  
Cuando usted disfruta de su nuevo producto, por favor tenga en cuenta los consejos de seguridad:

### POSIBLES PROBLEMAS

- La experiencia de entretenimiento de cine en casa es una tendencia creciente y los grandes monitores de pantalla plana son muy populares. Sin embargo, los monitores de pantalla plana no se han instalado siempre en los soportes adecuados o instalado de acuerdo con las recomendaciones de fabricante.
- Los monitores de pantalla plana que se han instalado inadecuadamente en tocadores, estanterías, estantes, escritorios, oradores, baúles o carros se pueden caer y causar el daño corporal.

### ¡AL FABRICANTE LE IMPORTA!

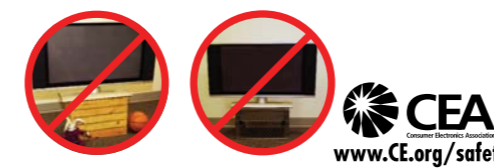
La industria electrónica del consumidor está comprometida a hacer el entretenimiento de casa agradable y seguro.

### AJUSTAR HASTA SEGURIDAD

- Un tamaño fijo NO es adecuado para todos. Siga las recomendaciones de fabricante para la instalación segura y el uso de su monitor de pantalla plana.
- Lea con cuidado y entienda todas las instrucciones adjuntas para el uso propio de este producto.
- No permita a los niños a subir al equipo o jugar con muebles y televisiones.
- No cloque los monitores de pantalla plana en el mueble que se puede usar fácilmente como escalón, así como una cómoda.
- Recuerde que los niños pueden llegar a ser excitados al ver una programación, especialmente en el monitor de pantalla plana "más grande que vida". El cuidado se tiene que empezar por poner o instalar el monitor donde no se puede empujar, detener al costado del camino ni echar abajo.
- El cuidado se tiene que empezar por encaminar todos los cordones y cables conectados al monitor de pantalla plana para que no se puedan tirar o agarrar por los niños curiosos.

### MONTAJE DE PARED: SI USTED DECIDE A MONTAR SU MONITOR DE PANTALLA PLANA A LA PARED, SIEMPRE:

- Use una montura que se ha recomendado por el fabricante de monitor y/o listado por un laboratorio independiente (como UL, CSA, ETL).
- Siga todas las instrucciones ofrecidas por el fabricante de monitor y montaje de pared.
- Si usted tiene cualquier duda sobre su habilidad para instalar seguramente su monitor de pantalla plana, contacte a su distribuidor para la instalación profesional.
- Compruebe que la pared adonde se está montando el monitor es adecuada. Algunos montajes de la pared no son diseñados para ser montados a paredes con tachones de acero o la vieja construcción de bloque de ceniza. Si usted está inseguro, contacte a un instalador profesional.
- Por lo menos dos personas se requieren para la instalación. Los monitores de pantalla plana puede ser pesados.



## Caution and Warning

**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 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 TV.**

**WARNING:**  
**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

**CAUTION:**  
**CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE WITH THE FCC RULES COULD AVOID THE USERS AUTHORITY TO OPERATE THIS EQUIPMENT.**

## FCC Notice

### FCC Information

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

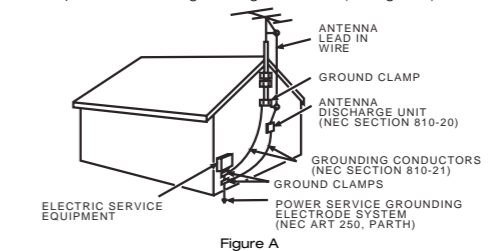
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Safety Precautions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water. For example, do not use near a laundry tub, in a wet basement, or near a swimming pool, and the like.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet back or bottom are provided for ventilation, to ensure reliable operation of the TV and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the TV on a bed, sofa, rug, or other similar surface.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 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 is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- 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. A TV and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV and cart combination to overturn.
- Unplug this apparatus during lightning storms or when unused for long periods of time. For added protection for this TV receiver during a lightning storm, or when it is left unused for long periods of time, unplug it from the wall outlet and disconnect antenna or cable system. This will prevent damage to the TV due to lightning and power line surges.
- 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.

- This TV should be operated only from the type of power supply indicated on the rating label. If customer is not sure the type of power supply in your home, consult your appliance dealer or local power company. For TV remote control battery power, refer to the operating instructions.
- The TV set shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the TV set.
- Never push objects of any kind into this TV through openings as they may touch dangerous voltage or other electrical parts that could result in fire or electric shock. Never spill liquid of any kind into the TV.
- Unplug the TV from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- This TV should never be placed near or over a radiator or heat resource. This TV should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- Do not place this TV on an unstable cart, stand, tripod, bracket, or table. The TV may fall, causing serious injury to someone, and serious damage to the appliance.
- Do not attempt to service this TV by yourself because opening or removing covers may expose you to dangerous high voltage or other hazards. Refer all servicing to qualified service personnel.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device must accept any interference received, including interference that may cause undesired operation.
- WARNING:** To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- To reduce the risk of electric shock, the grounding of center pin of plug must be maintained.
- If an outside antenna or cable system is connected to the TV, 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 NO.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 electrodes. (See figure A)



### Safety Strap

Caution: Pushing, pulling or climbing on the TV may cause the TV falling. Do not let children climb or hang on the TV. Always place the TV on a sturdy, level, stable surface that can hold the weight of TV. And if possible, secure the TV according to the instruction below (Note: The fastening components such as screws are not supplied with TV).

- Step one: Insert the M6 mounting screws into the upper two wall mounting screw holes and fasten them (Figure B).
- Step two: Insert anchors to wall and connect the bolts and anchors with ropes or chains (Figure C).

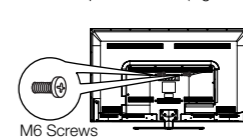


Figure B

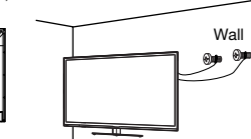


Figure C

## Preparation for Your New TV

### Before Turning On TV

### Check Accessories

Check the accessories that are packed with your TV.

<b>REMOTE CONTROL</b> PART NO.: RE20QP80 	<b>AAA BATTERIES</b> 	<b>TV STAND SCREWS</b> <b>SCREWS</b> M4 x 12mm, 6pcs Part# RS01TM412H <b>SCREWS</b> M4 x 14mm, 4pcs Part# RS01PWA414HT
<b>TV STAND BASE</b> 	<b>TV STAND NECK</b> 	
<b>DOCUMENTS</b>		
<b>USER'S GUIDE</b>	<b>QUICK START GUIDE</b>	<b>PATENT CARD</b>

### Setup TV Table Stand

Please refer to TV Stand Installation guide in next page to carry out stand installing.

### Select TV Location

Select a flat, stable table to place your TV set. Please follow the Safety Instructions when placing the TV.

### Connection and Using

After placing your TV properly, you can connect the TV with power supply and cable components. For further information, see page 4 to page 5.

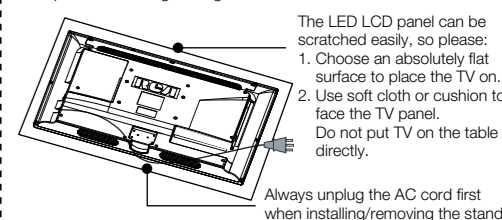
Note: Above accessories are subject to change without notice.

## TV Stand Installation

TV LED52B45RQ is packaged with the TV stand separated from the cabinet. To setup the TV table stand, please carry out the installation according to the instructions below.

### Step One

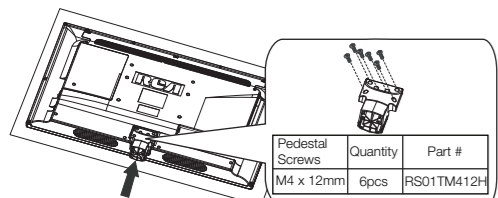
Place the TV faced down on a soft cloth or cushion to prevent the LED LCD panel from being damaged.



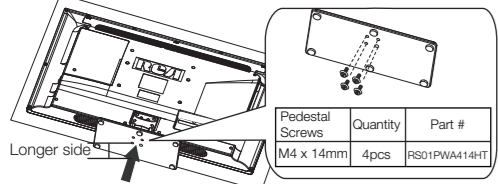
- The LED LCD panel can be scratched easily, so please:
- Choose an absolutely flat surface to place the TV on.
  - Use soft cloth or cushion to face the TV panel.
- Do not put TV on the table directly.

### Step Two

Take the neck. Please align the screw holes of the neck and the TV, and then insert the 6 screws into the 6 holes on the neck and tighten them.



**Step Three**  
Take the base. Please align four holes of the base and four screwholes of the neck, insert the base to the neck, and then insert the 4 screws and tighten them.



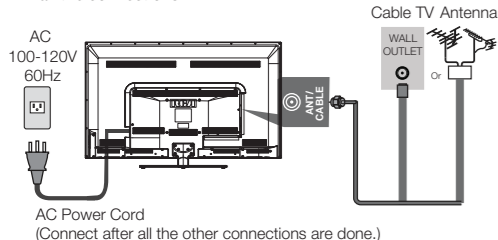
**Please take note of the base direction:**  
The bottom view of the TV (Front cabinet faces down)

## TV Signal Connection

The first step in connecting your TV is obtaining the signal. Your TV LED52B45RQ has a back panel, which allows you to receive analog and/or digital television channels via ANT/CABLE jack. Before connecting your TV, determine using an antenna or a cable service to obtain the signal.

- A. Antenna**  
Connect the antenna to TV via coaxial cable on ANT/CABLE jack of the back panel. You are ready to receive air local digital and analog channels.
- B. Cable TV service**  
Connect the cable TV wall jack to TV via coaxial cable on ANT/CABLE jack of the back panel. You are ready to receive off-air local digital and analog channels.
- C. Set-Top Box**  
If you use a set-top box, you may need to call your cable company or satellite service provider, which use a special connection, please refer to the user's guide of set-top box.

**Note:** Do not plug the AC cord until you have accomplished all the connections.



## Cable Connections

Choose Your Connections  
TV LED52B45RQ supports various connections to other devices (such as DVD, VCR, Set-top box, etc.). Please follow the table to choose the cables which adapt to your device.

Jacks	Cables	Further Information
COMPOSITE L-AUDIO-R	Video/Audio cable	See the below
COMPONENT Y, Pb, Pr L-AUDIO-R	Audio Cable COMPONENT video cable	Go to page 5
HDMI 1/DVI, 2	HDMI-DVI cable HDMI cable	Go to page 5

**Note:** HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC

**Caution:** Unplug the AC cord when you connect other devices to TV.

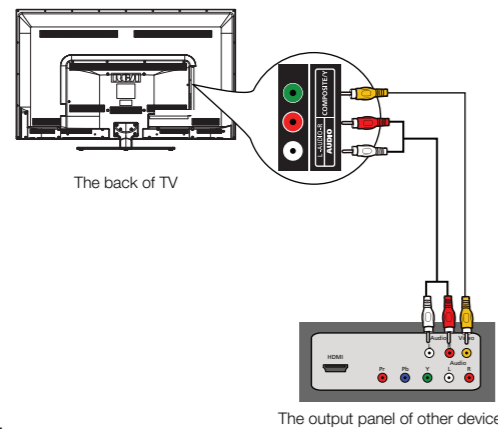
## Side Panel Connections

### Connecting AV Composite device (Good Video Quality)

**Composite connector will be shared with Component Y connector.**  
To connect a composite AV device, such as a DVD player, follow these steps:  
1. Connect the COMPOSITE jack on the side of TV to the video output jacks of device via video cable (yellow).  
2. Connect the L-AUDIO-R jacks on the side of TV to the audio output jacks of device via audio cable.  
Notice the left channel jack and plugs are white and the right channel jack and plugs are red.  
*Note: AV signal belongs to composite video. This kind of video signal has regular good display quality.*

### Composite Video Connection

The picture below is an example of a connection using the composite video jack.



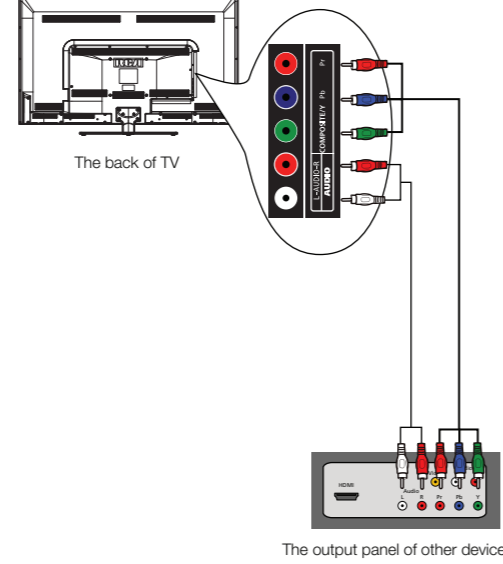
### Connecting YPbPr Component device (Better Video Quality)

To connect a component device, such as a DVD player, follow these steps:  
1. Connect the COMPONENT IN Y/Pb/Pr jack on the side of TV to the video output jacks of device via video cable (green, blue and red).  
2. Connect the L-AUDIO-R jacks on the side of TV to the audio output jacks of device via audio cable.  
Notice the left channel jack and plugs are white and the right channel jack and plugs are red.

*Note: Y/Pb/Pr jacks are component video. This kind of video signal has better display quality.*

### Component Video Connection

The picture below is an example of a connection using the component video jack.



### Connecting HDMI device (Best Video Quality)

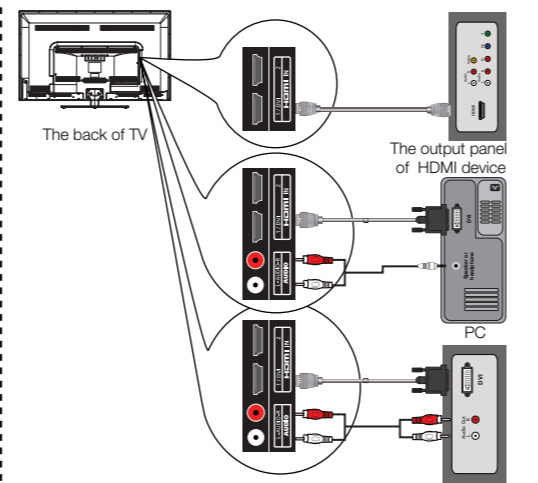
To connect a HDMI device, such as a DVD player, please Connect the HDMI1/DVI, 2 jack on the side of TV to the output jacks of device via HDMI cable.

To connect a DVI device, via DVI port of PC or Device and HDMI jack of TV:  
1. Connect the HDMI1/DVI jack on the side of TV to the DVI port of PC via HDMI-DVI cable.  
2. Connect the L-AUDIO-R jack on the side of TV to the audio output jack of computer with audio cable (dual-channel RCA jacks to 3.5mm stereo jack or the L-AUDIO-R jack).

**Note:** 1. HDMI (High-Definition Multimedia Interface) is a compact audio/video interface for transmitting uncompressed digital data. It carries the audio and video signal via the same cable and has the best display quality.  
2. HDMI-DVI cable transfers only video signal from DVI port of DVI device to HDMI jack of TV. For audio signal, please connect audio output to L-AUDIO-R jack on TV back panel.

### HDMI Connection

The picture below is an example of a connection using the HDMI video jack.

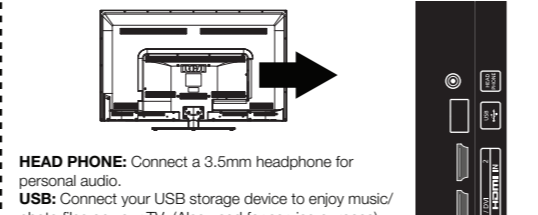


The output panel of other AV device

### How to Obtain Various Kinds of Input Sources

After connection is done, press INPUT button on remote control or TV top panel to choose the input source you need. See page 7, Basic Operation of TV.

## TV Jacks Explanation

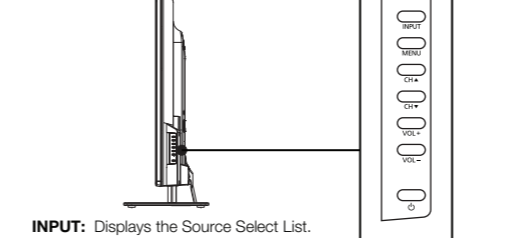


- HEAD PHONE:** Connect a 3.5mm headphone for personal audio.
- USB:** Connect your USB storage device to enjoy music/photo files on your TV. (Also used for service purpose).
- HDMI1/DVI, 2:** (High-Definition Multimedia Interface) It provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable.
- COMPONENT Y/Pb/Pr:** Connect a device that has component video jacks, such as a DVD player. To access device connected to the Y/Pb/Pr jack, press the INPUT button on your remote; then press the up/down arrow to select Component. Press the ENTER button at last to confirm.
  - Y/Pb/Pr (Component Video):** They provide good picture quality because the video signal is separated into three components. Use three video-grade or component video cables for the connection. When using Y/Pb/Pr, make sure you connect left and right audio cables to the AUDIO IN R/L jacks.
  - L-AUDIO-R, COMPOSITE:** Connect an AV device that has composite video jacks, such as a VCR or a DVD player. To access device connected to these jacks, press the INPUT button on your remote; then press the up/down arrow to select AV. Press the ENTER button at last to confirm.
    - AUDIO IN L:** Left audio channel connection. The left audio connector is usually white. For mono audio sources, be sure to use the left AUDIO INPUT.
    - AUDIO IN R:** Right audio channel connection. The right audio connector is usually red.
- ANT/CABLE:** Connect to receive the signal from your antenna or cable via coaxial cable.
- Digital Audio out:** Connect a coaxial cable for digital audio output.

## Keypad and Front Panel

### Keypad Buttons

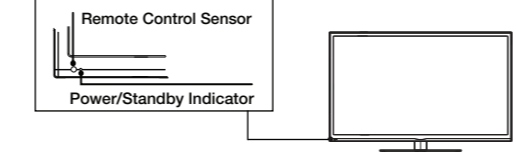
If you cannot locate your remote, you can use the keypad buttons on your TV to operate many TV features.



**INPUT:** Displays the Source Select List.  
**MENU:** Displays the TV Main Menu.  
**CH↑ or CH↓:** Scans up through the channel list. In the TV menu system, it acts like the up arrow on the remote control and can be used to select menu options.  
**CH↑:** Scans down through the channel list. In the TV menu system, it acts like the down arrow on the remote control and can be used to select menu options.  
**VOL+:** Increases the volume. In the TV menu system, it acts like the right arrow on the remote control and can be used to select menu options.  
**VOL-:** Decreases the volume. In the TV menu system, it acts like the left arrow on the remote control and can be used to select menu options.  
**POWER (⏻):** Turns the TV on and off.

### Front Panel

About remote control working distance and angle, see the right side.  
**Power/Standby Indicator:** Light up in red when the TV is in standby mode. Light out when the TV is on.  
**Remote Control Sensor:** Remote control IR sensor, which receives infrared ray sent by remote control.



## Remote Control Instructions

### Inserting Batteries in the Remote

- Remove the cover of battery cabin on the back of the remote control by lifting the cover.
  - Insert two AAA batteries, making sure the polarities (+ and -) are aligned correctly.
  - Place the cover back.
- 

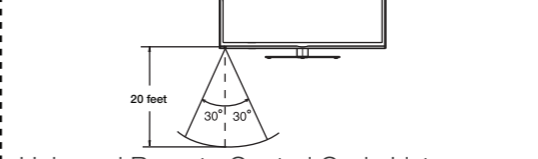
### If the remote control does not work, check these points:

- Are the polarities (+, -) correct?
- Are the batteries worn out?
- Is there an AC power failure?
- Is the power cord plugged in?
- Is there any interference or block near the remote control sensor?

**CAUTION:**  
• Used batteries should be recycled.  
• Keep out of children's reach.  
• DO NOT use new and old batteries together.  
• Change both the batteries at the same time.  
• When not using the remote control for a long time, remove the batteries from the unit.

### Remote Control Reception Angle

Use your remote control within the distance and angle range shown below.



### Universal Remote Control Code List

For Universal Remote Control brands listed below, please use accompanying codes and refer to your Universal Remote Control User Manual for basic Instruction for changing TV code to operate the TV model.

- Codes for DIRECTV: 0178, 10178
- Codes for Time Warner Cable: 0178, 10178
- Codes for Cox Communications: 0178
- Codes for Comcast: 10178
- Codes for Dish Network: 627
- Codes for Fios Verizon: 0205, 0057, 0493, 0775

## Learning about Remote Control

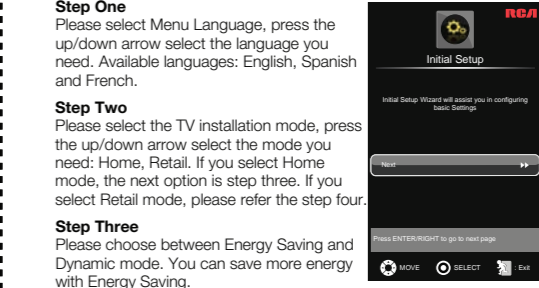
### Remote Control Buttons

**MUTE (⏮):** Reduces the TV volume to its minimum level.  
Press again to restore the volume.  
**POWER (⏻):** Turns the TV on or off.  
**CH.LIST:** Displays the channel list.  
**FAV.:** Adds the current channel to your favorite list, or erases the current channel from your favorite list (if this channel is a favorite channel already).  
**FAV.+ or FAV.- :** Scans up or down through the current favorite channel list.  
**Numeric Buttons:** Use these buttons to enter numbers.  
"0": To enter a digital channel with a sub-channel, enter the main channel; then, press this button to enter the sub-channel and press ENTER.  
**Recall (⏮):** Returns to the previous channel.  
**EPG:** Shows Electronic Program Guide (see page 8).  
**INPUT:** Accesses the available input channels (TV, AV, Component, HDMI 1/2, Media). Use the arrows to highlight options, and press ENTER to select.  
**Arrows (⬅️/➡️/⬆️/⬇️):** Uses the four arrows to highlight different items in the TV menu or change the value. The up/down arrow can also work as CH~/CH~ button, and the left/right arrow can also work as VOL-/VOL+ button.  
**ENTER:** Enter and confirm button.  
**MENU:** Accesses the Main Menu, or return to the upper level of a sub-menu.  
**FREEZE:** Freeze the current screen frame, press again to return to normal.  
**DISPLAY:** Displays the Channel Bar (see page 7).  
**EXIT:** Exits the current menu or function.  
**VOL+ or VOL-:** Increases or decreases the TV

volume.  
**CH↑ or CH↓:** Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels.  
**PICTURE:** Switches between the preset picture mode (see page 8).  
**SOUND:** Switches between the preset sound mode (see page 8).  
**SLEEP:** Selects the sleep timer, after which the TV will shut off automatically.  
**ASPECT:** Switches between the preset screen size mode (see page 8).  
**CC:** Selects the closed caption.  
**MTS:** Selects the multi-channel television sound.  
*NOTE:* The keys not listed are for DVD control, they are not available for this TV model.

## Initial Setup

If it is the first time you turn on your TV, or you have done Clear Channel List option (see page 10), the initial setup menu appears automatically.



**Step One**  
Please select Menu Language, press the up/down arrow select the language you need. Available languages: English, Spanish and French.  
**Step Two**  
Please select the TV installation mode, press the up/down arrow select the mode you need: Home, Retail. If you select Home mode, the next option is step three. If you select Retail mode, please refer the step four.  
**Step Three**  
Please choose between Energy Saving and Dynamic mode. You can save more energy with Energy Saving.  
**Step Four**  
To choose your TV tuner signal type, press the up/down arrow select the signal type: Air, Cable.  
*Note:* please select TV signal type according to the antenna or cable closed circuit TV you use.

### Step Five



If you accomplish the initial setup, the TV will search channels automatically.  
*Note:* Please select TV signal type according to the antenna or cable closed circuit TV you use.  
**What to notice:**  
1. The channel search access starts from the Analog TV channel searching and ends at Digital TV channel searching.  
2. The channels that have been found will be stored automatically.  
3. You can press MENU button to skip analog/digital channel searching.  
4. You can press ENTER/EXIT button to end the channel searching.

## Basic Operations

**Turning On and Off**  
Connect the AC cord to power the LED LCD TV. At this time the TV will enter standby mode and power indicator will turn red. Use Power button (⏻) on the top panel of TV or on the remote control to turn on the TV. After switching off the TV for 5 seconds, you can turn on TV again.

## Choosing TV Channel

### Tuning To Analog Channels

An analog channel has a channel number beginning with "A". Input the digital number with numeric buttons directly and press ENTER button to confirm.  
For example, to watch analog channel "A51", press "5", "1", "ENTER" on remote control in sequence.  
*Note:* Although there is no analog TV signal available in America, we reserve ATV functions for some expansible use.

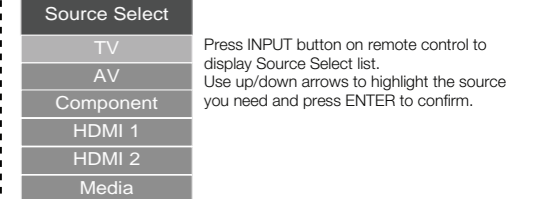
### Tuning To Digital Channels

A digital channel has a channel number beginning with "D". Input the main digital number with numeric buttons directly, then press "—" button on remote control, and input the sub number at last.  
For example, to watch analog channel "D31-1", press "3", "1", "—", "1", "ENTER" on remote control in sequence.

### Changing Channels Directly

You can use CH↑ button to increase channel number and CH↓ to decrease channel number. When no OSD (On Screen Display) is used, the up/down arrows can also work as CH↑/CH↓ buttons.

### Selecting Input Source



### Channel Bar

Press the DISPLAY button on the remote control, the channel bar will appear on the top right corner of the screen. It displays the current channel's information. The following list describes the items on the channel bar.



- | ATV                      | DTV  |
|--------------------------|--|
| A2/D50-1                 | If the channel is analog, A is displayed. If it's a digital channel, D is displayed. For example, in the pictures above, A2 is an analog channel, and D50-1 is a digital channel (- 01 is a sub-channel number).<br>Displays the channel label.<br>Displays whether the current channel is being broadcasted in stereo or mono. If the current channel is digital, this space will be SAP (Second Audio Program) language. |
| MTV/KOCE-HD Mono/English | Displays the signal resolution.  |
| 480i/1080i 16:9/CC/TV-PG | Displays the screen aspect ratio, closed caption and TV rating level of the current program or channel. These are only available for digital channels.   |
| Oct-31 23:14 Mon         | Displays current date and time.  |
- Adjusting Volume**  
Press the VOL+/VOL- button on the remote control to adjust the volume. If you want to switch sound off, press MUTE (⏮). When OSD (On Screen Display) is not used, the arrows left/right can also work as VOL-/VOL+ buttons.



