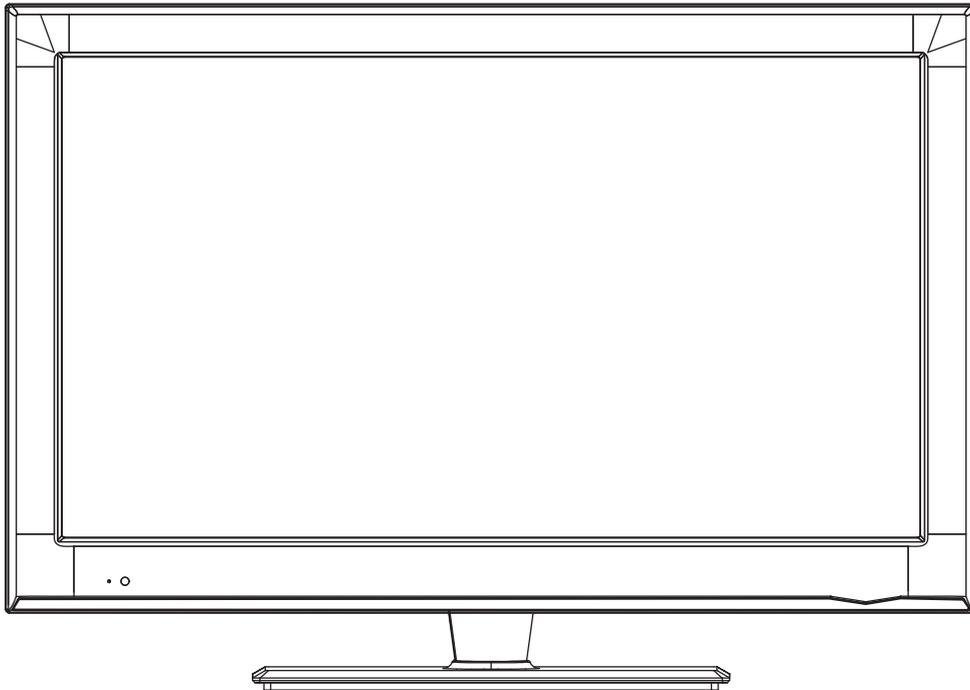


# **RCA**

## **Instruction Manual**

### **42" LED Television**

**MODEL: RLED4250A**





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## Caution



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the persons.



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



### Correct disposal of this Product

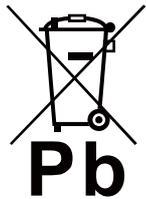
(Waste Electrical & Electronic Equipment (WEEE))

Your product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/ recycling centre.

In the USA there are separate collection systems for used electrical and electronic products. Please help us to conserve the environment we live in!



This unit complies with America Safety directives.

**Intertek**  
3124140

CONFORMS TO UL STD. 60065  
CERTIFIED TO CSA STD. C22.2 No.60065



This unit complies with FCC directives.

## **Safety Information**

To ensure reliable and safe operation of this equipment, please read carefully all the instructions in this user guide, especially the safety information below.

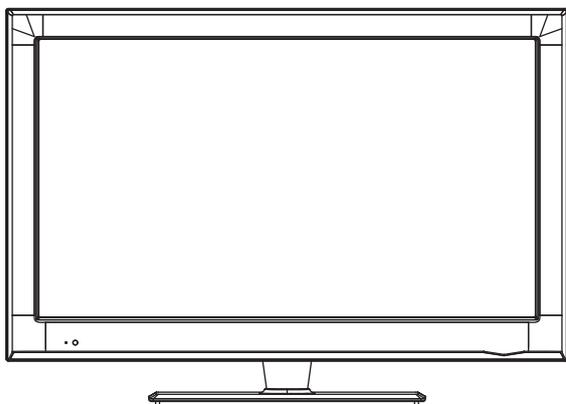
### **Electrical safety**

- The TV set should only be connected to a mains supply which matches that stated on the label on the mains adaptor
- To prevent overload, don't share the same mains supply socket with too many other items of equipment.
  - Do not place any connecting wires where they may be stepped on or tripped over.
  - Do not place heavy items on the leads, which may damage them.
  - Hold the Mains plug, not the wires, when removing from a socket.
  - During a thunderstorm or while leaving the TV for long periods, disconnect the aerial (if outdoor) and mains adaptor from the supply.
  - Do not allow water or moisture to enter the TV or mains adaptor. Do NOT use in wet or moist areas such as Bathrooms, steamy kitchens or near swimming pools.
- Pull the plug out immediately, and seek professional help if:
  - the mains plug or cable is damaged
  - liquid is spilt onto the set, or if it is accidentally exposed to water or moisture
  - anything accidentally penetrates the ventilation slots
  - the set does not work normally.
  - Do NOT remove the safety covers. There are no user serviceable parts inside. You may invalidate the warranty. Qualified personnel only are permitted to service this apparatus.
  - To avoid battery leakage, remove exhausted batteries from the remote control handset, or when not using for along period.
  - Do NOT break open or throw exhausted batteries on a fire.

### **Physical safety**

- Do NOT block ventilation slots in the back cover. You may place the TV in a cabinet, but ensure at least 5cm (2") clearance all around the unit.
- Do NOT tap or shake the TV screen, you may damage the internal circuitry. Take good care of the remote control, do not drop it or allow it to come into contact with liquids.
- To clean the TV use a soft dry cloth. Do NOT use solvents or petrol based fluids. For stubborn stains, you may use a damp soft cloth with diluted detergent.

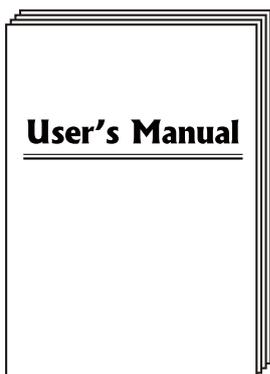
## Unit and Accessories



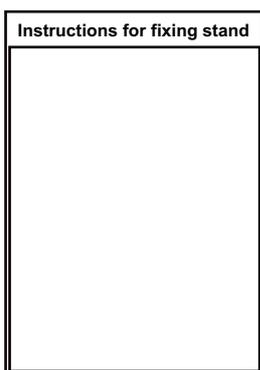
TV set



Remote control  
Batteries: 2xAAA



User's manual



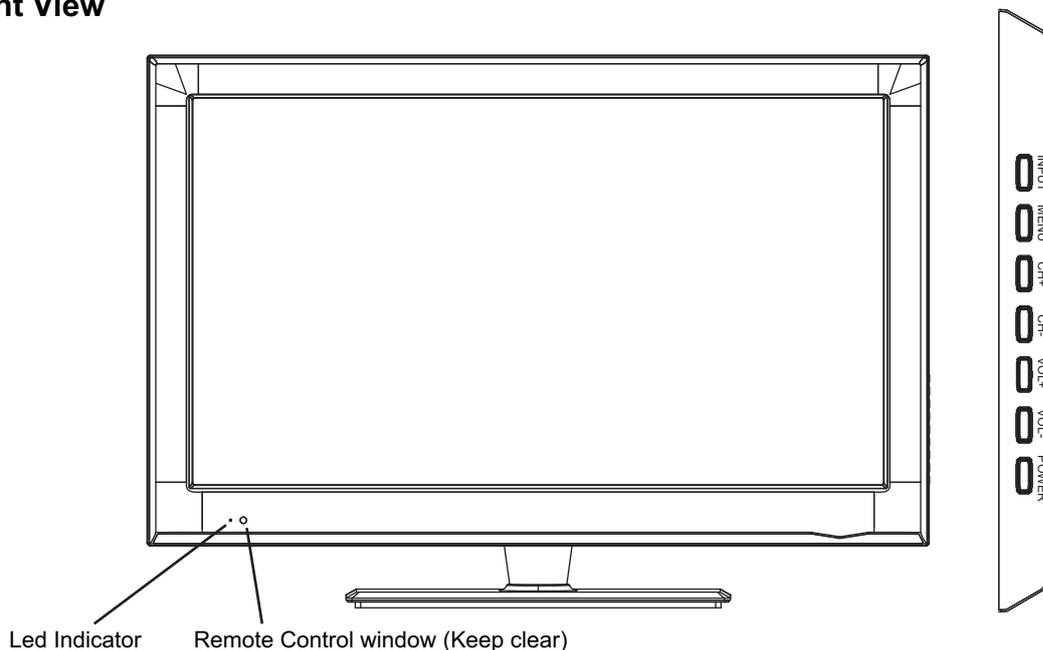
Instructions for  
fixing stand



Warranty Card

# Introduction

## 1. Front View



- 1). (IR) Infrared Receiver: Receives IR signals from the remote control.  
 (Power on/Standby)LED Indicator: Press **POWER** to turn on and off.

Indicator on(Red)	Standby mode
Indicator on(Green)	Power on mode

**The effective receiving range for the signal is 5-8 metres from the front of the remote control window, and 30° to the left or right side and 20° above or below the remote control window.**

- 2). The functions of the buttons:

**INPUT:** Press to display the input source menu. →

**MENU:** Press to display the OSD menu, press again to exit the menu.

**CH+/-:** Press to scan through channels.

**VOL+/-:** Press to adjust the volume.

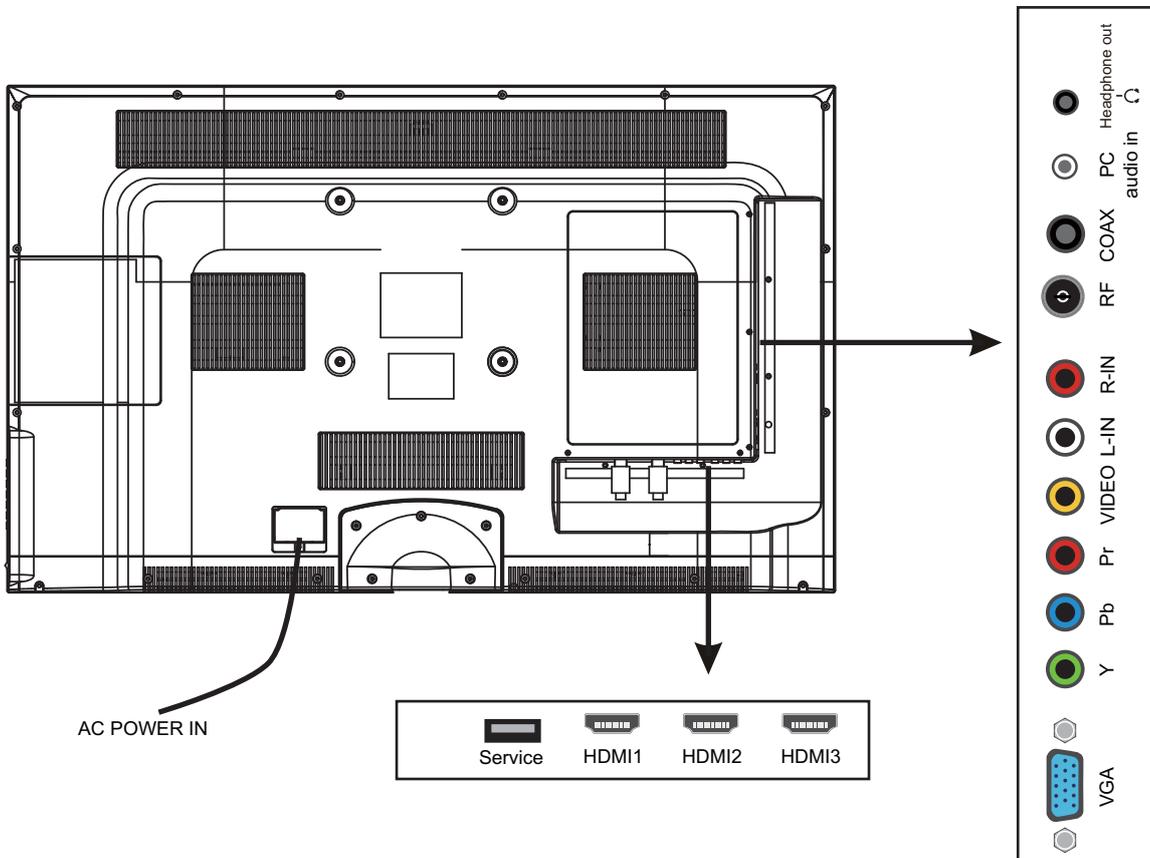
**POWER:** Turn on/standby the TV set.



Press **INPUT** button on the TV set or remote control to display the input source menu, and use **CH+/-** button on the TV set or **^ / v** button on remote control to select the input source, press **OK** button on the remote control to enter.

Note: Before you select the input source, make sure the connections are prepared.

## 2. Rear View



**AC POWER IN:** Connect to an earth 100-240V~ 50/60Hz outlet with the Power Cable.

**Service :** For service use only.

**HDMI1/2/3 :** Connect it to the HDMI of DVD or other equipment.

**Headphone out :** Connect it to your headphone or other audio equipments.

**PC AUDIO IN :** Connect it to the audio output terminal of PC.

**COAX :** Digital coaxial output.

**RF:** Connect antenna or cable 75 Ohm coaxial to receive TV signal.

**L/R-in:** Connect them to audio output terminal of DVD. (shared with YPbPr)

**VIDEO :** Connect it to video output terminal of DVD.

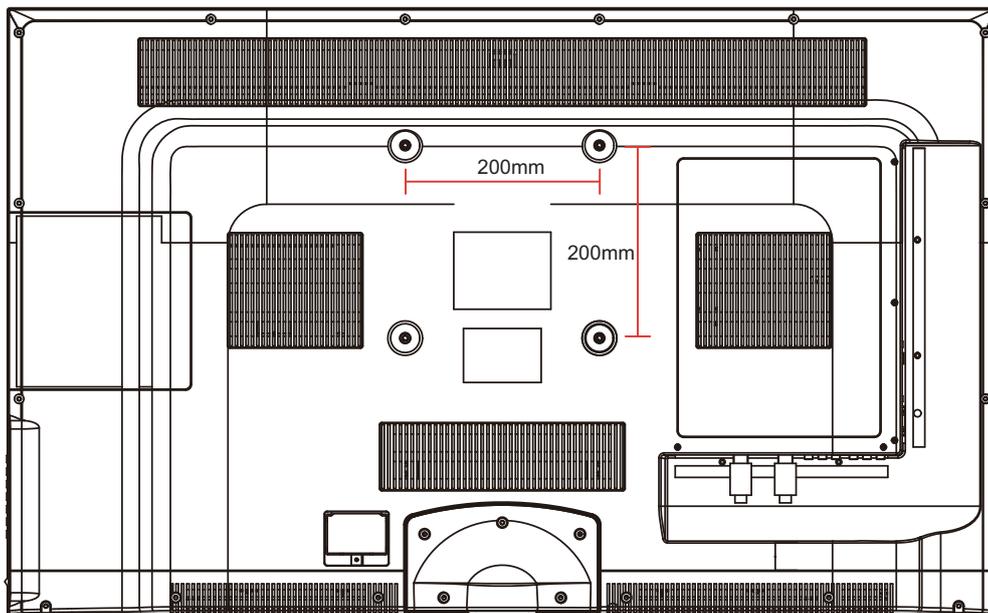
**YPbPr :** Connect them to the video output terminal of DVD.

**VGA :** For PC display. Connect it to the D-Sub 15 pins analog output connector of the PC.

### 3. Instruction for Wall Mount

The wall mount kit (not included) with your purchase allows you to mount your RCA 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. RCA 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 RCA TV is compatible with a 200mm x 200mm mounting hole pattern.
- 4 pcs of type M5 screws are required for installing the wall mount bracket to your RCA TV. Do not use screws that are longer than 15 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. RCA is not liable for these kinds of incidents
- Do not mount your RCA 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.

## 4. Remote Control

The remote control is using Infra-Red(IR). Point it towards the front of the LED TV. The remote control may not work correctly if it is operated out of range or out of angle.



**POWER**(red button): Turn the TV on/standby.  
**INPUT**: Press to display the input source menu.

**Number Buttons**: Choose channel directly.  
 Select channel 5, Press button "5";  
 Select channel 62, Press button "6", then press button "2" in 2 seconds;  
 Select channel 151, Press button "1", and press button "5" in 2 seconds, and press button "1" in 2 seconds;  
 Select channel 5-1, Press button "5", and press button "- / - -" in 2 seconds, and press button "1" in 2 seconds;  
**(RETURN)**: Return to the previous channel viewed.  
**PICTURE**: Press repeatedly to cycle through the available video picture modes.  
**SOUND**: Press to cycle through the different sound settings.  
**SLEEP**: Shutdown timer.  
**DISPLAY**: Display the information of current mode.

**VOL+/-**: Press to adjust the volume.  
**CH+/-**: Press to scan through channels.  
**MUTE**: Press to mute the sound, press again or press VOL+ to unmute.  
**MENU**: Press to display the OSD menu.  
**EXIT**: Press to exit the OSD menu.  
**Thumbstick**(< > ^ v): Allows you to navigate the on-screen menus and adjust the system settings to your preference.  
**OK**: CONFIRM button.  
**CC**: Press to display the closed caption.  
**MTS**: Press to select the audio channels.  
**EPG**: Press to enter the EPG menu directly.  
**FAV**: Press to add or remove favorite channel.

Universal Remote Code:11359  
 Universal Remote Control not included.

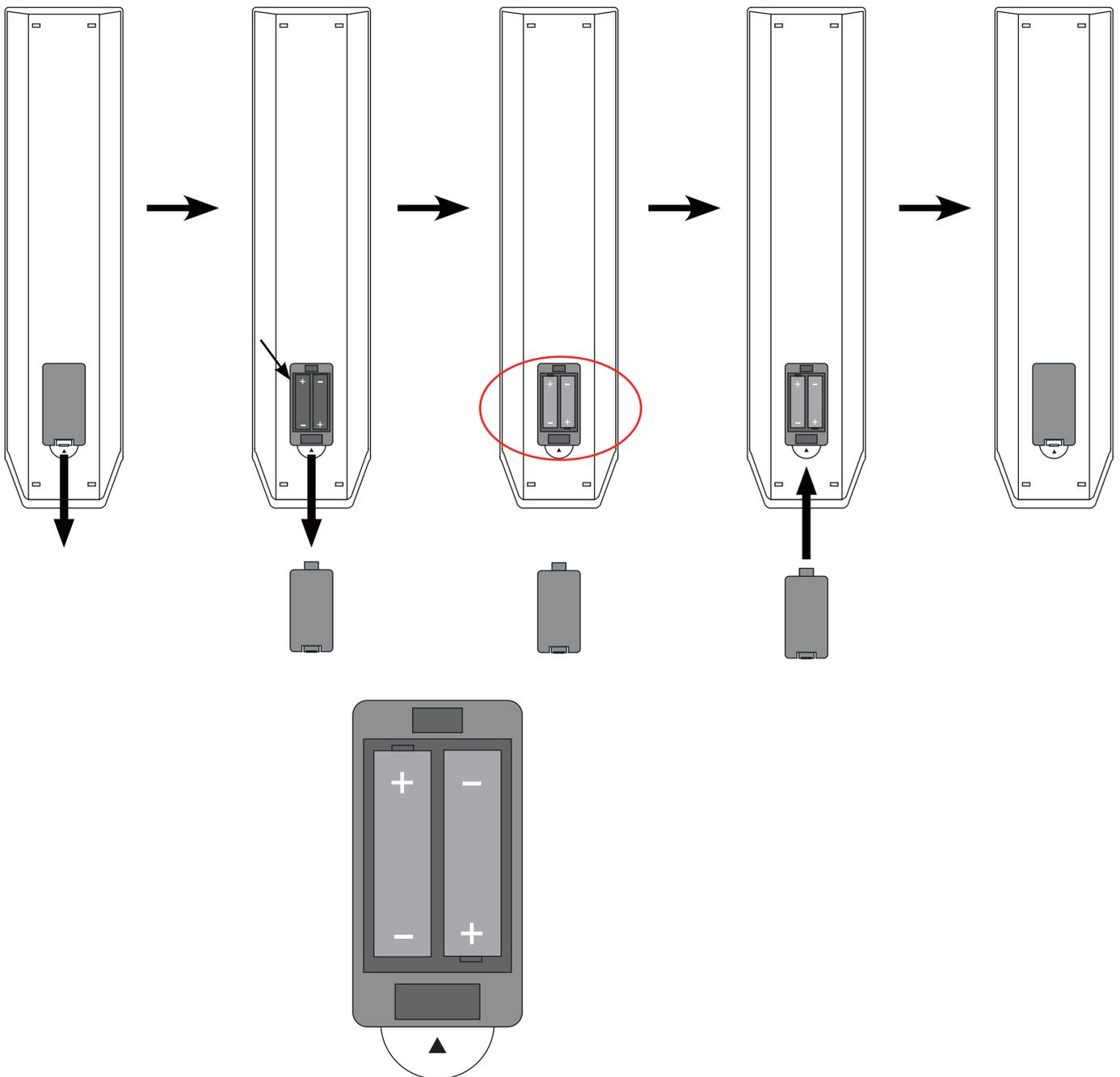
## Installing Batteries

1. Open the battery compartment cover on the back of the remote control.
2. Insert two 1.5V AAA size batteries observing the polarity markings inside the battery compartment. Don't mix different types or used batteries with new ones.
3. Close the cover.



Batteries shall not be exposed to excessive heat such as sunshine or fire.

- The remote control should be operated within 30 feet(7m) and 30° to the left and right of the IR receive at the front of the LED TV.
- Used batteries should be disposed properly.



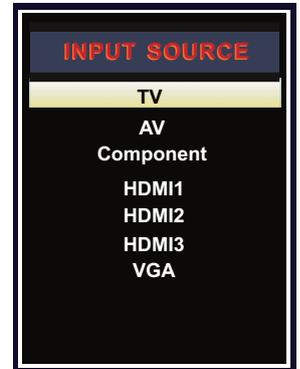
## Power on/off

- To turn on the Switch  
Press **POWER** button on the TV or remote control.
- To turn off the TV  
Press **POWER** button on the TV or remote control.

## Input Source select

Press **INPUT** button on the TV set or remote control to display input source menu, and use **CH+/-** button on the TV set or **^/∇** button on remote control to select the input source, press **OK** button on the remote control to enter.

**Note: Before you select the input source, make sure the connections are prepared.**



## Basic OSD Menu operation

Press **MENU** button to display the OSD menu as below:



**Hint---**you should operate the OSD menu according to the hint.

Use **</>** button to select the main menu, and press **∇** button to enter the submenu. In the submenu, use **^/∇** button to select the function item, press **</>** button to adjust/setup, or press **>** button to enter the submenu.

\* (Press **MENU** button to return to the upper menu.)

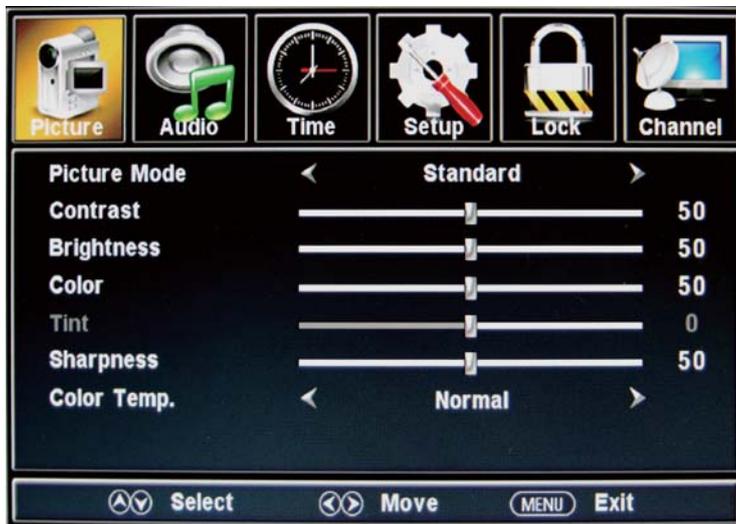
\* (Press **EXIT** button to exit the menu display.)

**Note1: Only when you input the suitable signal, the relevant items can be activated**

**Note2: Please operate the OSD menu according to hint on the bottom of the banner.**

## OSD Menu

### 1. Picture menu



#### Description

**Picture mode:** Select between Standard, Dynamic, Mild, Sports, User and Power Saving. You may select the picture mode directly by pressing the PICTURE button on the remote control.

**Note: when select the "Power Saving", the machine is in energy-saving status.**

**Contrast:** Control the difference between the bright and dark regions of the screen picture.

**Brightness:** Adjust brightness of the picture.

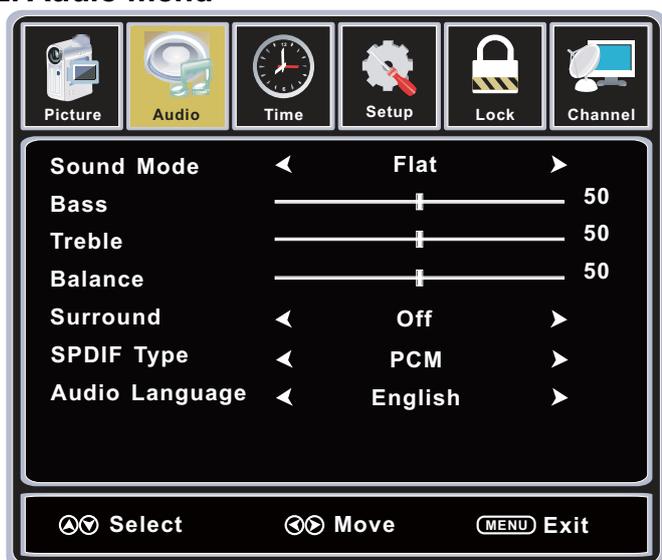
**Color:** Adjust color of the picture.

**Tint:** Control the fresh tones to make them appear natural.

**Sharpness:** Set the amount of fine detail in the picture.

**Color Temp.:** Select between Normal, Cool and Warm.

## 2. Audio menu



### Description

**Sound Mode:** Select your desired picture mode as follow: Flat, Music, Movie, Sports and User. You may select the sound mode directly by pressing the SOUND button on the remote control.

**Bass:** Low frequency intensity.

**Treble:** High frequency intensity.

**Balance:** Left and right stereo audio channels balance.

**Surround:** Activate or deactivate the Surround function.

**SPDIF Type:** Allows you to select between PCM and RAW.

**Audio Language:** Select audio language.

### 3. Time menu



#### Description

**Sleep timer:** You may set the automatic shutdown timer choosing from 5 to 240 minutes, or deactivate this function.

**Time zone:** Select between Pacific, Alaska, Hawaii, Eastern, Central and Mountain.

**Daylight Saving Time:** Select between On and Off.

**Clock:** User can not change time manually during DTV mode, for time is from signal source directly.

#### 4. Setup menu



#### Description

**Menu Language:** Select OSD menu language.

**Transparency:** Turn on or off the transparency menu function.

**Zoom Mode:** Select the zoom mode between 16:9, 16:9 zoom, 4:3, 4:3 zoom.

**Noise reduction:** Select the noise reduction mode between Strong, Off, Weak and Middle.

**PC SETUP:** If the video input signal comes from your PC, you may adjust the V-Position, H-Position, Clock, Phase or even perform an Auto adjustment.

**Closed Caption:**



**CC Mode:** Allow you to select the CC Mode among: On, Off and CC on Mute.

**Basic Selection:** Allow you to select the basic selection among: CC1, CC2, CC3, CC4, Text1, Text2, Text3 and Text4.

**Advanced Selection:** Allow you to select the advanced selection among: Service1, Service2, Service3 Service4, Service 5 and Service 6.

**Option:** Use thumbstick buttons to operating in option menu as your desire.

**XVS:** Activate/deactivate the automatic dynamic brightness function.

**Restore Default:** Restore all settings in SETUP menu to factory settings.

### 5. Lock menu

You must enter the password to gain access to the Lock menu. The default password is 0000. You may modify the following options:



#### Description

**Change password:** Change the password, you must enter the new password twice to confirm it.

*Note: Do not forget the password.*

**System Lock:** Allow you to turn on or off the system lock. If deactivated, the functions described below don't work.

This option menu allows you to lock any TV channel or adjust the Movie rating filter.

#### US:



**TV:** Use  $\wedge$  /  $\vee$  buttons to select the desired rating and press  $\triangleright$  button to block or unblock rating.

**MPAA:** The Movie rating (MPAA) is used for original movies rated by the Motion Picture Association of America (MPAA) as broadcasted on cable TV and not edited for television.

Use  $\wedge$  /  $\vee$  button to select N/A, G, PG, PG-13, R, NC-17 or X.

**G:** General Audiences. Movie is appropriate for all ages.

**PG:** Parental Guidance Suggested. May contain material not suited for younger viewers.

**PG-13:** Contains content that may not be appropriate for viewers under the age of 13.

**R:** Restricted. Contains adult content, no one under 17 admitted without parent.

**NC-17:** No one 17 and under admitted.

**X:** Adults only.

#### Canada:

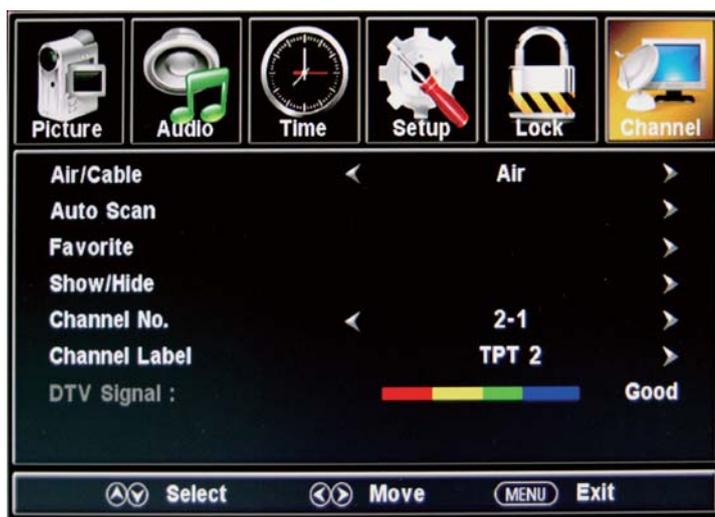


**Canada English:** Select among: E, C, C8+, G, PG, 14+ and 18+.

**Canada French:** Select among: E, G, 8ans+, 13ans+, 16ans+ and 18ans+.

**Reset RRT:** Allow you to reset the RRT setting.

## 6. Channel menu



### Description

**Air/Cable:** Allow you to select antenna between Air and Cable.

If you select "Cable", the following items(Favorite, Show/Hide, Channel NO, Channel Label and DTV Signal) are unable to use.

**Auto Scan:** Enter the Auto Scan menu to start auto scan.

- ★ If you select "Cable" as input signal in Antenna item, allows you to select Cable System among: Auto, STD, IRC and HRC. Use  $\downarrow$  button to highlight the "Start to Scan", then press  $\rightarrow$  button to search the channels automatically. The receivable channels will be stored automatically. When searching channels, press **MENU** to stop.



- ★ If you select "Air" as input signal in Antenna item, you can press  $\rightarrow$  button to search the channels automatically. The receivable channels will be stored automatically. When searching channels, press **MENU** to stop. NOTE: It will take a while to auto scan in NTSC or ATSC mode, please wait patiently.



**Favorite:** Allow you to add these channels which you desired as the favorite channels.

Use  $\wedge$  /  $\vee$  button to highlight the desired item, then press **OK** button to add or remove the highlighted channel as favorite.



**Show/Hide:** Allow you to show or hide the channels.

Use  $\wedge$  /  $\vee$  button to highlight the desired item, then press **OK** button to show or hide the highlighted channel.



**Channel No.:** Show and select the channel.

**Channel Label:** Allow you to setup a label for the channel.

Press  $\wedge$  /  $\vee$  button to select the position of the table, and press  $\lt$  /  $\gt$  button to select the words.

**DTV Signal:** Show the quality of digital signal: good, Normal, Bad.

## **Simple Troubleshooting**

If the display fails or performance dramatically deteriorates check the Display in accordance with the following instructions. Remember to check the peripherals to pinpoint the source of the failure.

If the display still fails to perform as expected, connect your helpline for assistance.

### **No power**

- Check all connections to the TV.
- Press either the power button or the Standby button on the Remote control.

### **No picture or sound**

- Ensure that the TV is plugged in and the power is on.
- Ensure that the aerial is connected.
- Try a different programme.

### **Poor picture quality**

- Check the aerial connections.
- Check that the channel is tuned in properly.
- Adjust the picture settings: brightness, colour, sharpness, contrast, hue.
- Make sure that the TV is not located close to electrical appliances that may emit radio frequency interference.

### **No colour**

- Adjust the colour setting.
- Check that the programme is broadcast in colour.
- Check that the channel is tuned properly.

### **TV does not respond to remote control**

- Check that there are no obstructions between the remote control and the unit.
- Check that the remote control is within range of the unit.
- Check that the batteries in the remote control are not weak or exhausted.

This LED TV is for household use and registered as harmless on electromagnetic waves. Therefore, you can use it in every location as well as residential areas.

## Technical Specifications

LED Panel	Panel Size	42 inch (diagonal)
	Brightness	300 cd/m <sup>2</sup>
	Contrast	3000:1
	Resolution	1920x1080
RGB	Sync	H: 30-75KHz V: 56-75Hz
	Signal	0.7Vp-p@75ohm
	MODE	Max 1920X1080@60Hz
ATV	Input	impedance
	Video System	NTSC
	Sound	M, J, 4.43.
	System	ATSC/NTSC
DTV	Impedance	75Ω
	Bandwidth	6MHz
	Modulation	ATSC:8VSB QAM:64QAM, 256QAM
	Video System	MPEG 2 MP@ML
	Sound System	MPEG 1/ layer 1/AC-3
AV	Color system	PAL/NTSC/SECAM
	Video	1Vp-p@75ohm
	Audio	500mV rms
YPbPr	Video	Y:1Vp-p@75ohm,PbPr:0.7Vp-p@75ohm
	Audio	500mVrms
	Format	Max. 1080P
HDMI	Video	Standard TMDS
	Format	Max. 1080P
Amplifier	CLASS D	2 X 8W @ 8ohm

\* Product specifications and appearance are subject to change without notice.

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## PRESET MODE FOR VGA、HDMI

### VGA FORMAT MODE

Resolution	Refresh	Rate
1920X1080	60HZ	74KHZ
	60HZ	74.6KHZ
1366X768	60HZ	55.5KHZ
	60HZ	59.9KHZ
1024X768	60HZ	48.4KHZ
	70HZ	56.5KHZ
	75HZ	60.0KHZ
800X600	60HZ	37.9KHZ
	70HZ	47.2KHZ
	75HZ	46.9KHZ
640X480	60HZ	31.5KHZ
	70HZ	37.9KHZ
	75HZ	37.5KHZ
720X400	70HZ	31.5KHZ

### HDMI FORMAT MODE

Format	Resolution	Hor.Freq(KHz)	Vert.Freq(HZ)
480i	480	15.734	60
480p	480	31.465	59.94
		31.500	60
576i	576	15.625	50
		15.734	
576p	576	31.250	50
720p	720	44.955	60
1080i	1080	28.125	50
		33.750	60
1080p	1080	56.250	50
		67.500	60