

VIORE™ TECHNOLOGY & INNOVATION

OPERATING INSTRUCTIONS

22" 1080p LCD Television with LED backlight

LED22VF60



AIR (TV)/CABLE MODE SELECTION

The Air/CABLE menu option is set to the "CABLE" (Cable Television) mode at the factory. If you want to use an antenna for the built-in TV tuner, this menu option must be set to the "Air" mode. Please refer to page 19 of the owner's manual for the details of this menu.

	<p>FOR QUESTIONS OR TECHNICAL SUPPORT PARA PREGUNTAS O APOYO TECNICO Please call: / Favor de llamar al: 1-877-777-1428 (USA/CANADA/ PUERTO RICO) Please do not return this TV to the store Por Favor NO Regrese este Televisor a la Tienda</p>	
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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.

3124140
CONFORMS TO UL STD. 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.

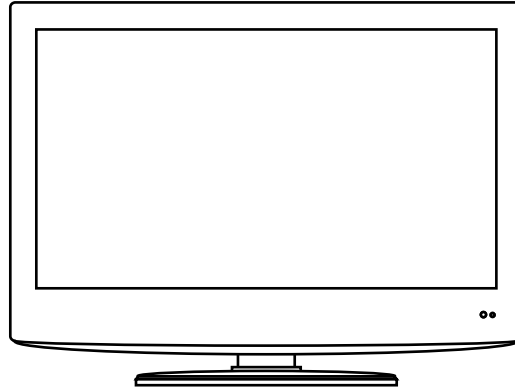
Electrical safety

- 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.

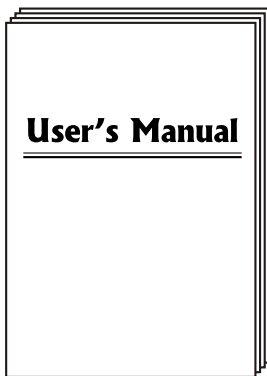
Physical safety

- 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



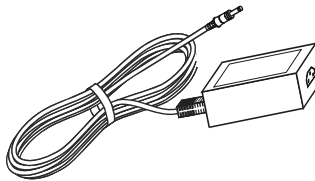
TV set



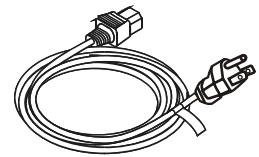
User's manual



Remote control
Batteries: 2xAAA



Mains adaptor



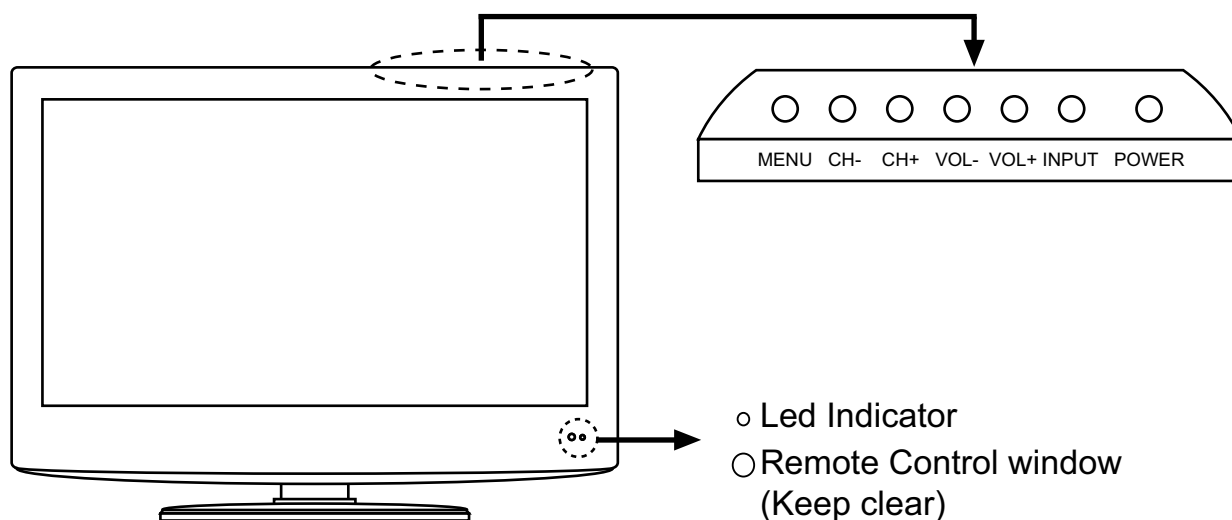
Mains cable

Product Feature

- 21.6" (measured diagonally) wide screen for a complete home theater experience
- Energy Saving Eco TV – more natural colors and better picture quality than conventional LCD TVs with less power consumption
- Made of 95% recyclable materials
- 1920 x 1080 native resolution for Full-HD (1080p) performance
- Integrated ATSC TV tuner for HDTV broadcast reception
- Dual HDMI input for true digital connections
- VGA port for connection to PC

Introduction

1. Front View



- (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.

- The functions of the buttons:

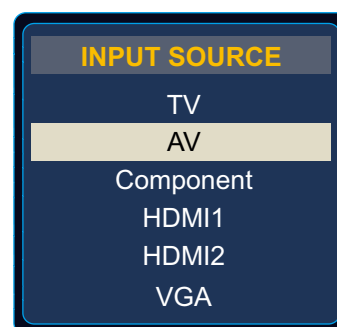
INPUT: Press to display the input source menu.

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.

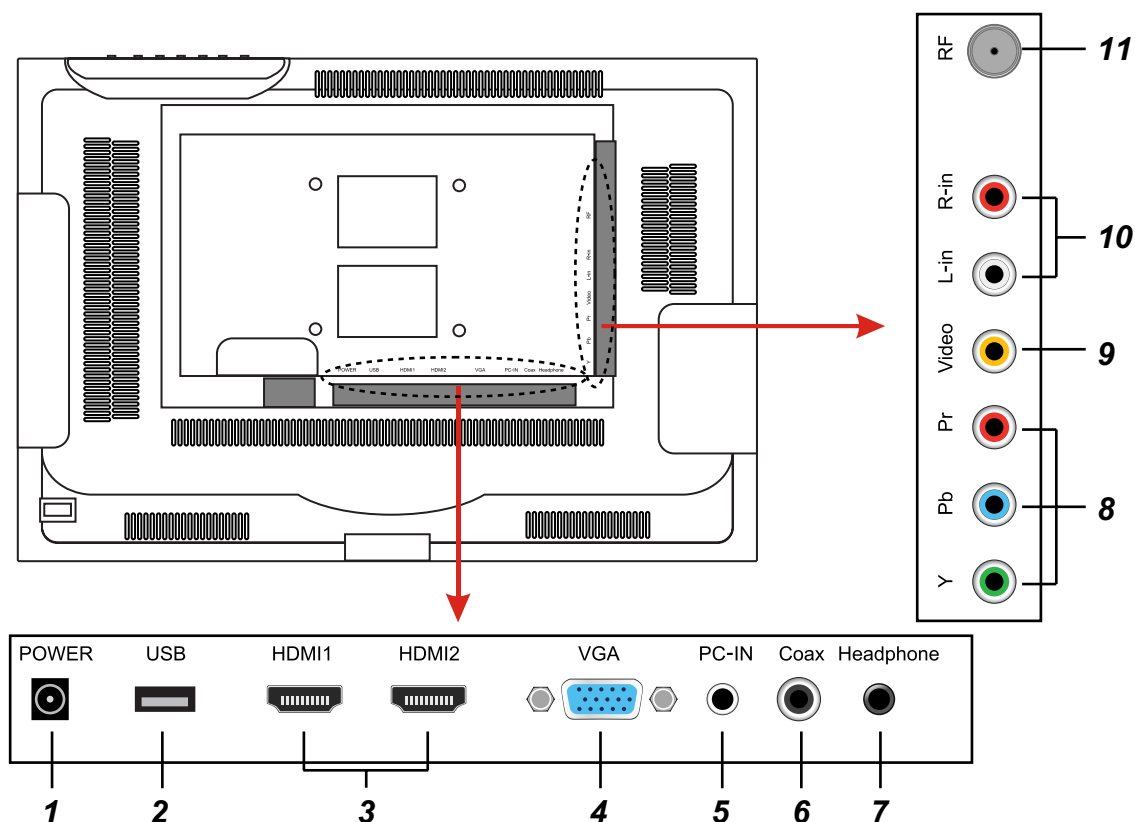
POWER: Turn on/standby the TV set.



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



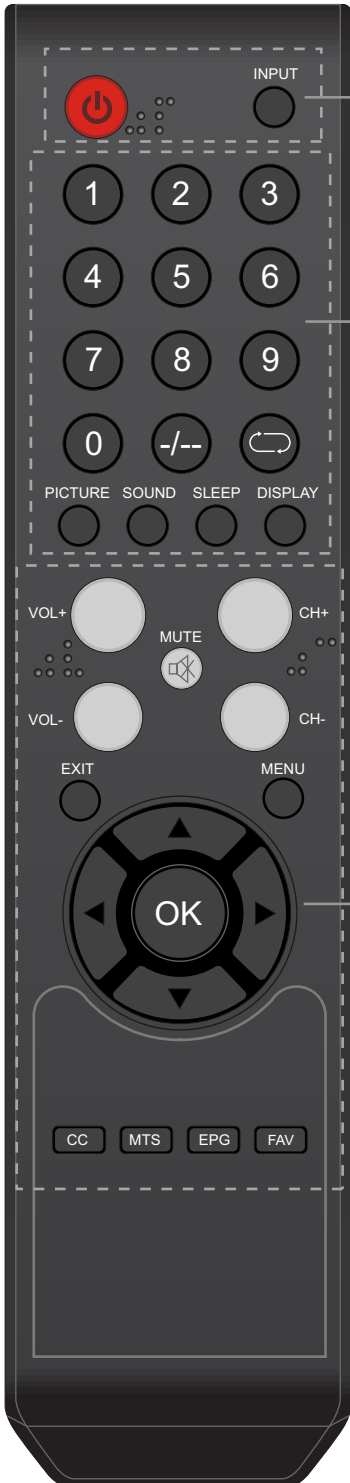
1. **POWER:** Connect to the mains adaptor.
2. **USB:** For update the soft.
3. **HDMI1/2:** Connect it to the HDMI of DVD or other equipment.
4. **VGA:** For PC display. Connect it to the D-Sub 15 pins analog output connector of the PC.
5. **PC-IN:** Connect it to the audio output terminal of PC.
6. **Coax:** Digital coaxial output.
7. **Headphone:** Connect it to your headphone or other audio equipment.
8. **YPbPr:** Connect them to the YPbPr video output terminal of DVD.(used in component source)
9. **VIDEO:** Connect it to video output terminal of DVD.
10. **R/L in:** Connect them to the audio output terminal of DVD.(shared with YPbPr)
11. **RF:** Connect antenna or cable 75 Ohm coaxial to receive TV signal.

Wall Mounting

The TV is provided with mounting holes for a VESA approved wall mounting bracket (NOT SUPPLIED). Remove the pozi screws holding the base to the base bracket and lift the base away (do not remove the base mounting bracket). Mount the VESA bracket using 4 x M4 x10 Iso metric threaded screws (not supplied). Do not use screws longer than 10 mm, damage will occur to the internal parts. Fit the wall bracket securely following the manufacturer's instructions.

3. Remote Control

The remote control is using Infra-Red(IR). Point it towards the front of the LCD 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.

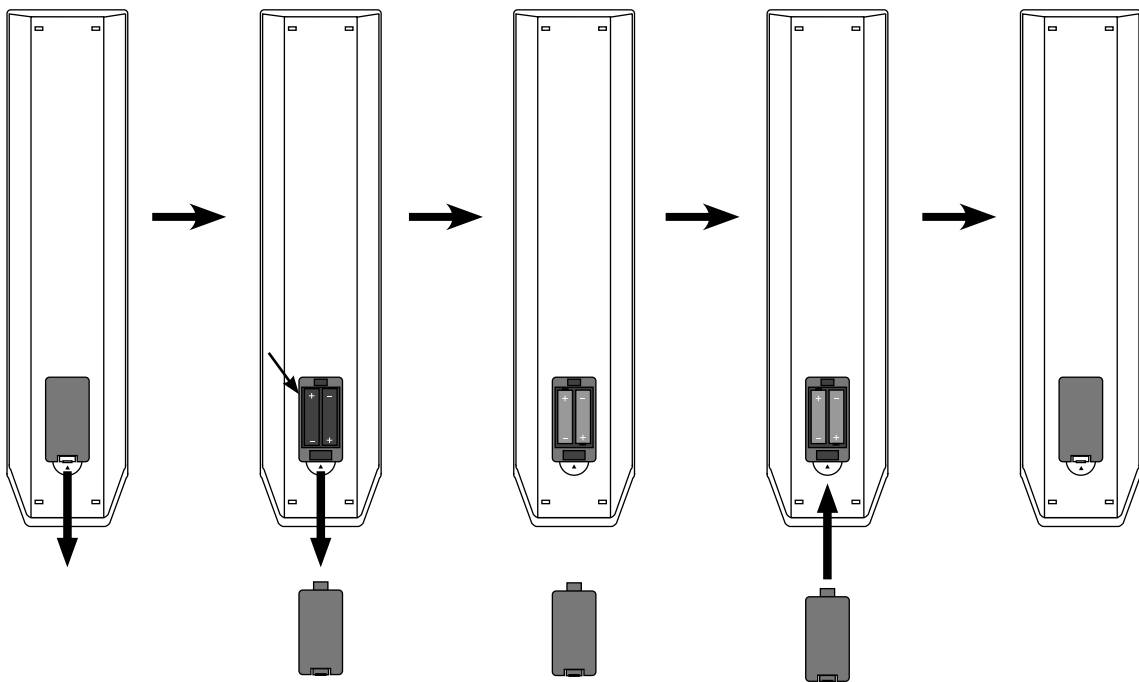
Installing Batteries

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.



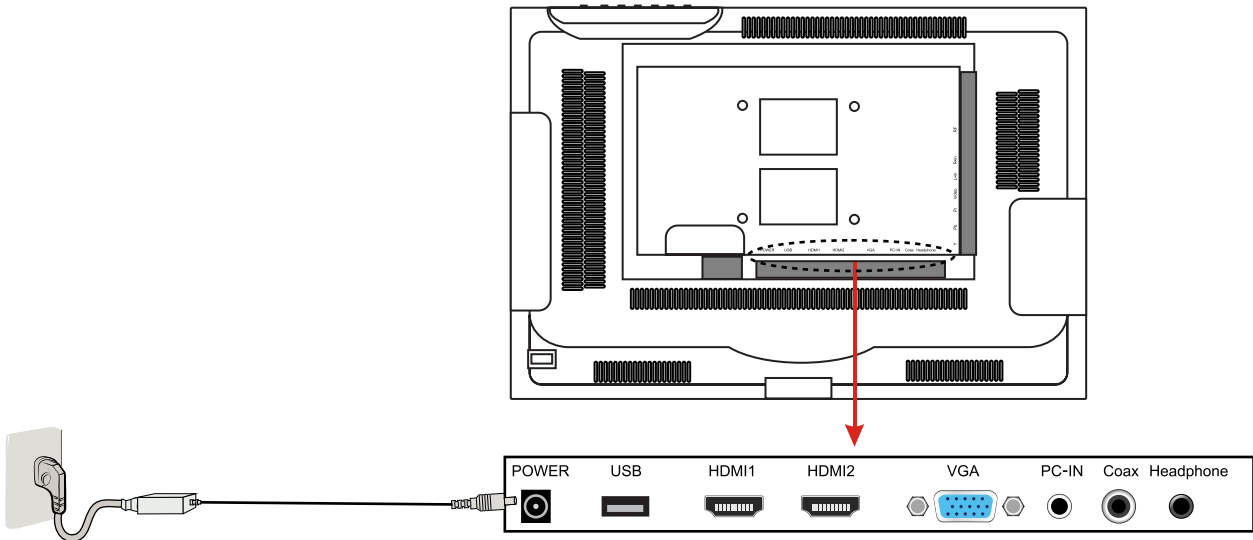
Batteries shall not be exposed to excessive heat such as sunshine or fire.

- 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 LCD TV.
- Used batteries should be disposed properly.



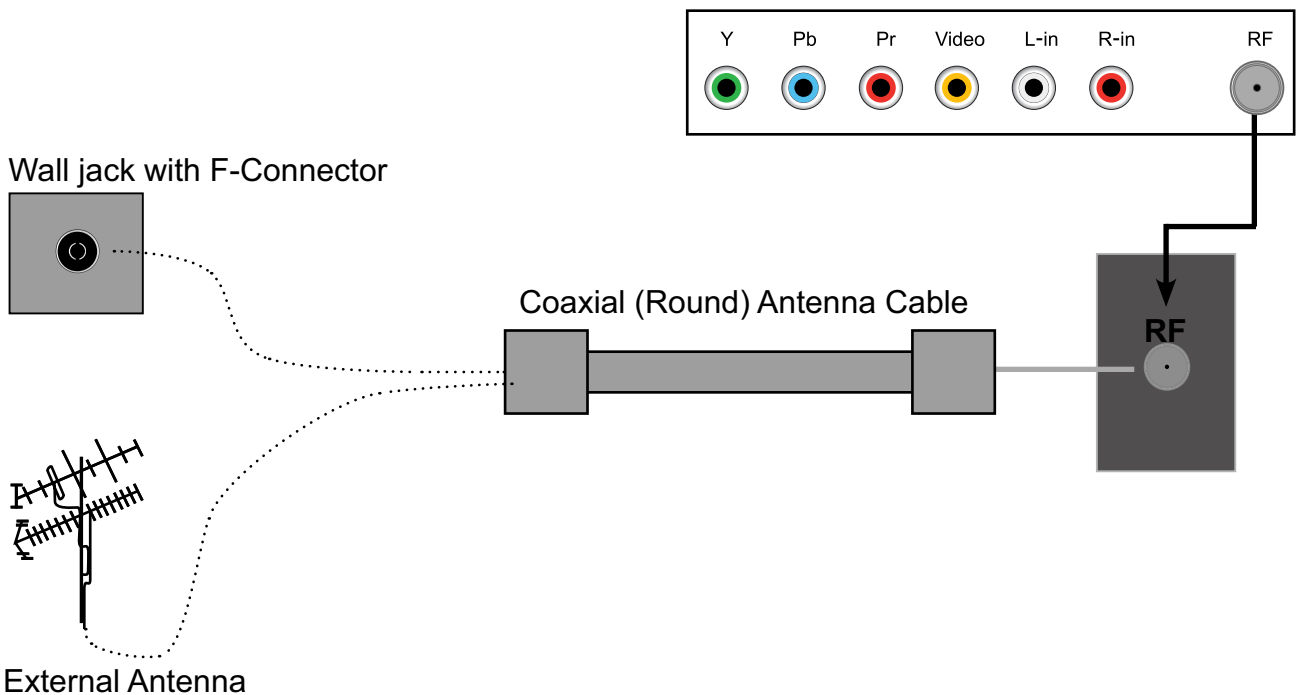
Connection

Power Cord Connection



- Connect to the power supply correctly as shown with the mains cable and mains adaptor.
- When you connect the power, the TV set comes into standby mode and the LED indicator (Page 5) lights red.
- You could bring the TV out of standby mode by press the **POWER** button on TV set (page 5) or remote control(page 7), and the LED indicator lights green.

Antenna (RF) Connection

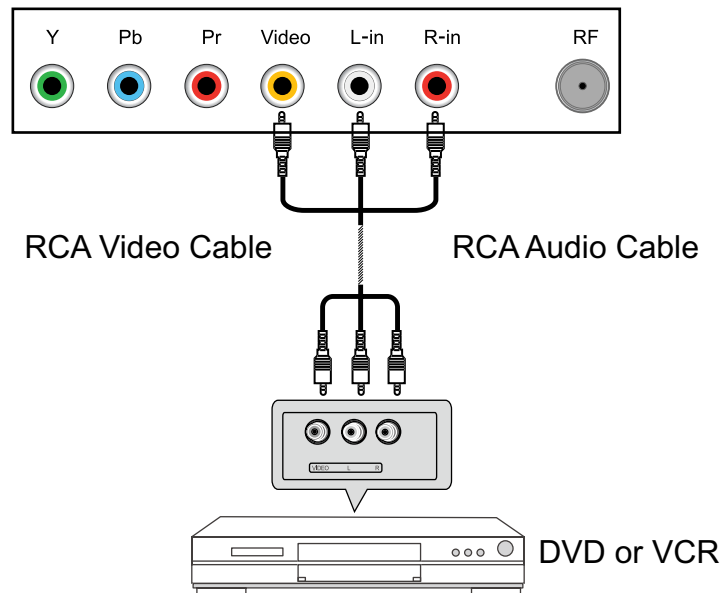


Press **INPUT** button on the remote control to display the input source menu, press \wedge / \vee button to select **TV**, then press **OK** button to confirm, and you will receive the signal.

Connection

AV Input Connection

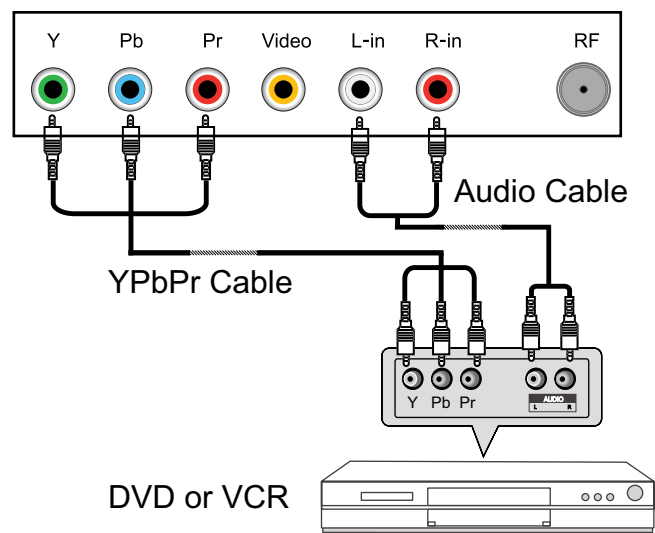
Note: All cables shown are not included with the TV.



- Connect the VIDEO and AUDIO output jacks on the DVD or VCR to the AV IN jacks on the TV set with a RCA cable.
- Match the jacks colors: **Video=yellow, Audio left=White, Audio right=red.**
- Turn on the DVD/VCR, and select “AV” in the input source menu.

YPbPr Connection

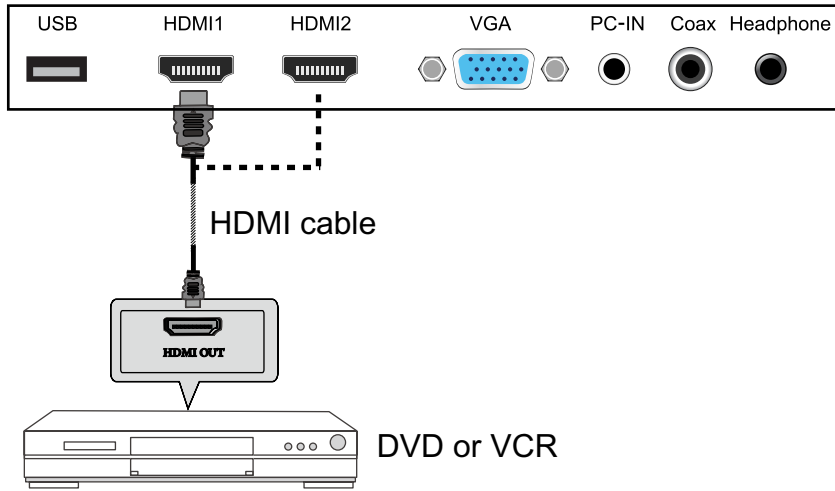
Note: All cables shown are not included with the TV.



- Connect the YPbPr output jacks on the DVD or VCR to the YPbPr input jacks on the TV set with a YPbPr cable. The picture quality is improved compared to a regular VCR to the video input.
- Match the jacks colors: **Y=Green, Pb=Blue, Pr=red.**
- Connect the audio output jacks on the DVD or VCR to the audio input jacks on the set with an audio cable.
- Turn on the DVD/VCR, and select “YPbPr” in the input source menu.

HDMI Connection

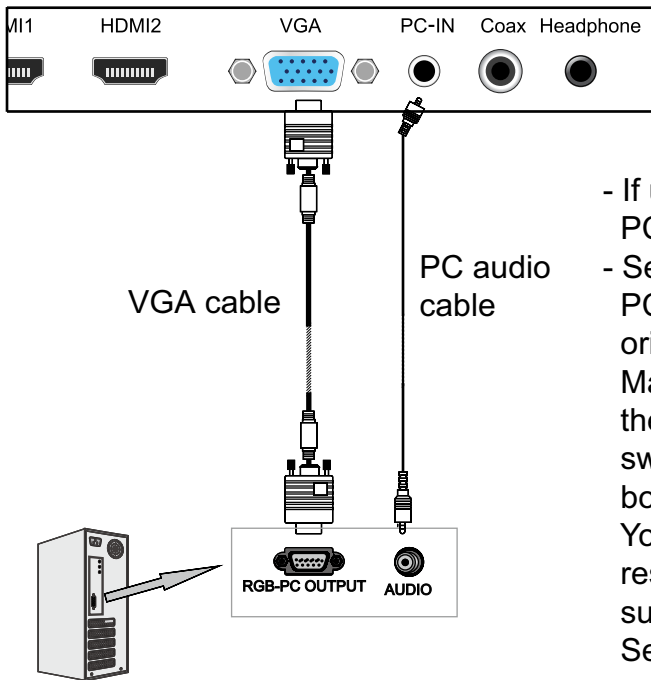
Note: All cables shown are not included with the TV.



- Connect the HDMI jack on the DVD to the HDMI jack on the TV set with a HDMI cable.
- Turn on the DVD, and select "HDMI1/2" in the input source menu.
- HDMI (High Definition Multimedia Interface) is the first all digital consumer electronics A/V interface that supports uncompressed standard. One jack supports both video and audio information.

PC Connection

Note: All cables shown are not included with the TV.



- If using a sound card, adjust the PC sound as required.
 - Set the video resolution of your PC to 1024x768, 60Hz on its original monitor.
- Make the connections between the TV monitor and your PC, switch on the monitor before booting the PC. You can now set your preferred resolution from the choice supported. See the table of supported resolutions on the right.

Supported PC resolutions
640 x 480, 60 Hz 640 x 480, 72 Hz 640 x 480, 75 Hz
800 x 600, 75 Hz 800 x 600, 60 Hz 800 x 600, 72 Hz
1024 x 768, 60 Hz 1024 x 768, 70 Hz 1024 x 768, 75 Hz
1920 x 1080, 60Hz



- Connect the RGB jack on the PC to the VGA jack on the TV set with a VGA cable.
- Connect the audio output jack on the PC to the PC IN jack on the TV set with a stereo audio cable.
- Turn on the PC, and select "VGA" in the input source menu.

Basic Operation

Power on/off

1. Connect to the power with a mains cable and an adaptor (page9).

2.-To turn on the TV

Press **POWER** button on the TV or remote control.

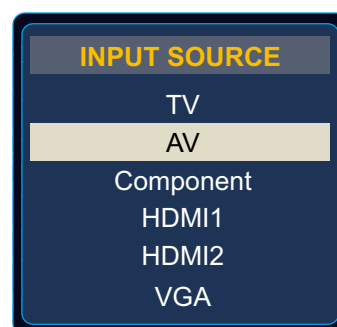
-To turn off the TV

Press **POWER** button on the TV or remote control.

Input Source select

Press **INPUT** button on the TV set or remote control to display 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.



Basic buttons on the remote control

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.

Basic OSD Menu operation

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

The diagram illustrates the OSD menu structure. At the top is the **Main menu** with six icons: Picture, Audio, Time, Setup, Lock, and Channel. Below it is a **Submenu** (example: Picture menu) with the following items: Picture Mode (Standard), Contrast (50), Brightness (50), Color (50), Tint (0), Sharpness (50), and Color Temp. (Normal). At the bottom is a **Hint** bar with three buttons: Select, Move, and MENU Exit. Arrows point from the text labels to the corresponding parts of the menu.

Main menu
Picture, Audio, Time, Setup, Lock, Channel

Submenu
(Picture menu for example)

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 ^ / v button to select the function item, and you could:

adjust ("Contrast" item in **Picture** menu for example) with < / > button;

select ("Picture Mode" item in **Picture** menu for example) with < / > button;

enter the submenu ("Close Caption" item in **Setup** menu for example) with > button.

* (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 operating 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 and User.

You may select the picture mode directly by pressing the **PICTURE** button on the remote control.

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

Brightness: Adjust brightness of the picture.

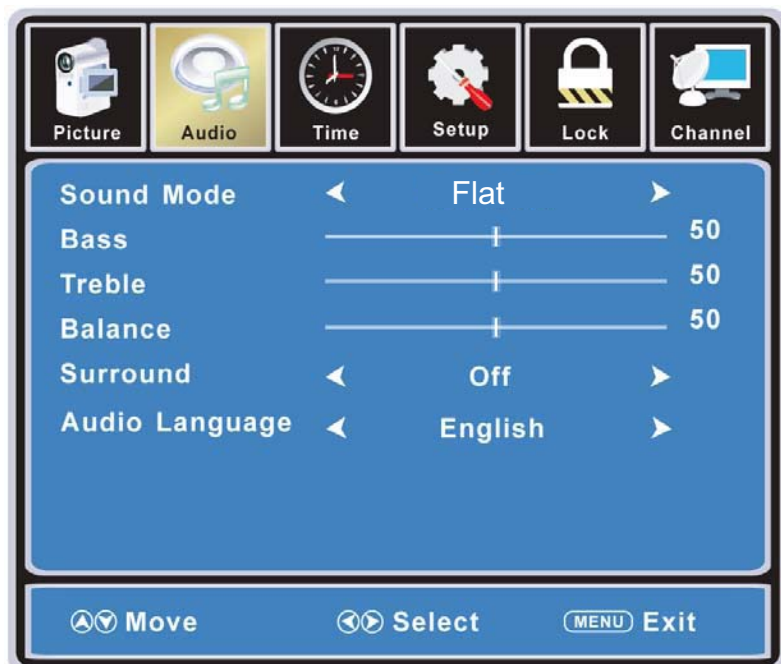
Color: Adjust color of the picture.

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 frequencies intensity.

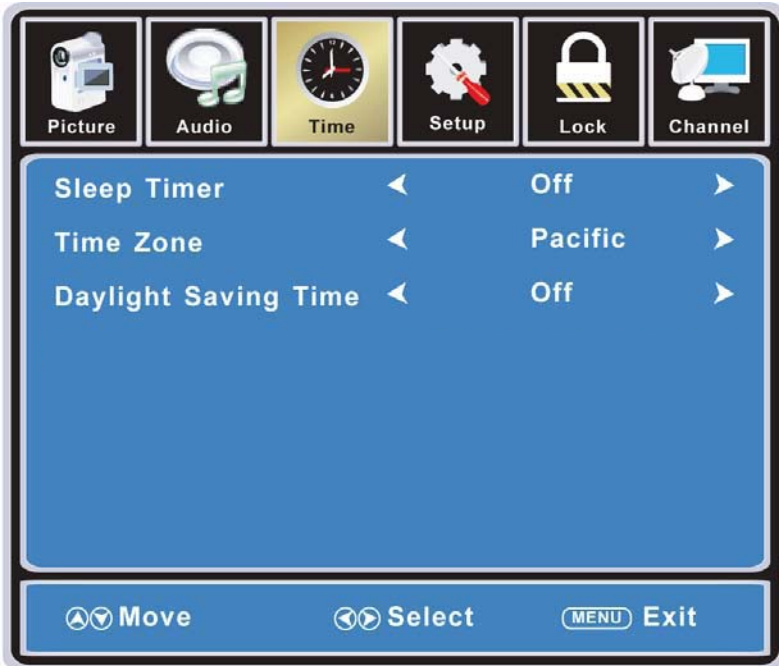
Treble: High frequencies intensity.

Balance: Left and right stereo audio channels balance.

Surround: Activate or deactivate the Surround function.

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.

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, Frequency, 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.

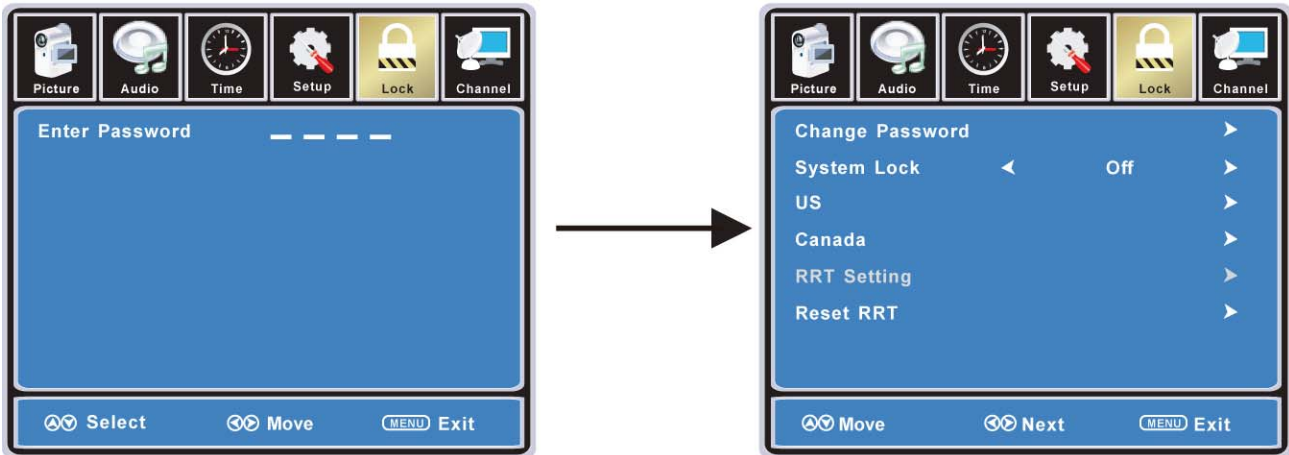


XVS: Activate / deactivate the automatic dynamic brightness function.

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.

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 ^ / v buttons to select the desired rating and press > 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 ^ / v button to select N/A, G, PG, PG-13, R, NC-17 or X.

RATING	DESCRIPTION
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: _____

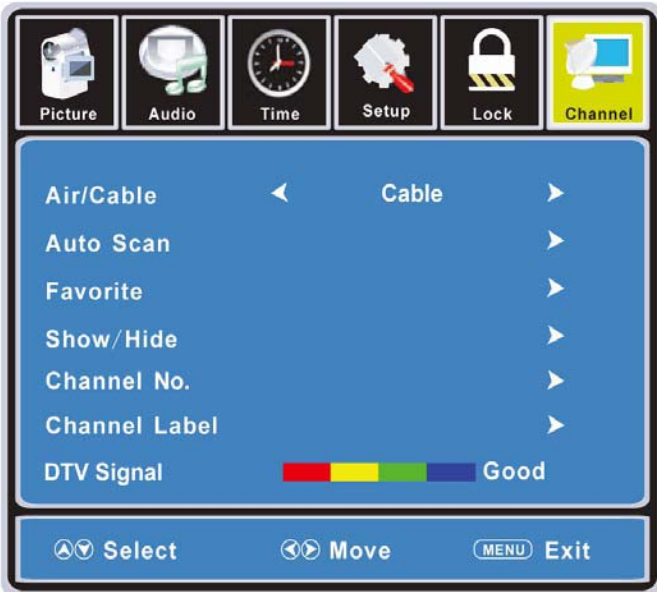
Canada English: Select among: E, C, C8+, G, PG, 14+ and 18+.

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



Reset RRT: Allow you to reset the RRT setting.

6. Channel menu



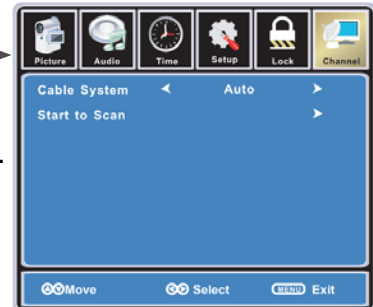
Description

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

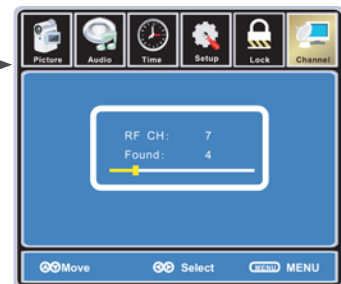
If you select "Cable", the following items(Favorite, Show/Hide, Channel NO, Channel Label and DTV Signal) are unable to use.

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.

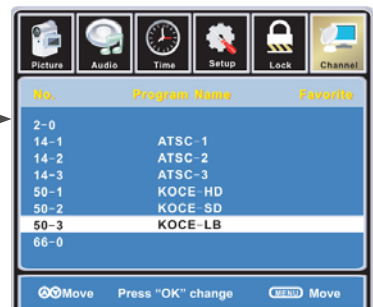


- ★ If you select "Air" as input signal in Antenna item, you can press \rightarrow button to search the channels automatically. The receivable channels will be stored automatically. When searching channels, press **MENU** to stop. NOTE: It will take a while to auto scan in NTSC or ATSC mode, please wait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



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

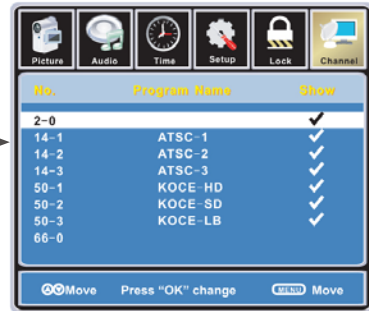
Use \wedge / \vee button to highlight the desired item, then press **OK** button to add or remove the highlighted channel as favorite.



OSD Menu

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 $<$ / $>$ button to select the position of the table, and press \wedge / \vee 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 LCD 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

LCD Panel	Panel Size	22 inch (diagonal)
	Brightness	300 cd/m ²
	Contrast	1000:1
	Resolution	1920x1080
Input Connector	Video	1
	Audio(L/R)	1
	VGA	1
	PC Audio	1
	HDMI	2
	YPbPr	1
	RF	1
Output Connector	Coax	1
	Headphone	1
Power Source		DC 12V 5A
Power Consumption		60W

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

