INSTRUCTION MANUAL

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

Model: RT1970

Intertek
4009947

CONFORMS TO/CONFORME À
UL STD. 60065
CERTIFIED TO/CERTIFIÉ AU
CSA STD. C22.2 No.60065

Intertek
EP 5000977

ENERGY
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ENERGETIQUE
VERIFIE

English

CONTENTS

1	SAFETY PRECAUTION		1
2	IMPORTANT SAFETY INSTRUCTIONS		2
3	ACCESSORIES		3
4	GETTING STARTED		3
5	CONTROL REFERENCE GUIDE	Remote Control	4
		Front View	5
		Back View	5
		Side View	6
6	CONNECTIONS	Antenna Connection	7
		AV Connection	7
		YPbPr Connection	8
		HDMI Connection	8
		VGA Connection	9
		Headphone Connection	9
		Power Cord Connection	9
		Digital audio out Connection	10
7	WALL MOUNT INSTALLATION		11
8	INITIAL SETUP	Putting The Unit On A Proper Place	12
		Turning The Unit On For The First Time	12
		Source Selection	12
9	TV SETUP	TV(CHANNEL) Menu	13
		Picture Menu	14
		Sound Menu	15
		Time Menu	16
		Setup Menu	17
		LOCK(Parental) Menu	18

CONTENTS

10	**DISPLAY MODE**	PC Formats Video Formats	19 20
11	**SPECIFICATION**		21
12	**TROUBLE-SHOOTING GUIDE**	TV Symptom	22

SAFETY PRECAUTION

* CAUTION MARKING WAS LOCATED AT THE REAR OF THE APPARATUS.

WARNING: 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 beof sufficient magnitude to constitute a risk of electric shock to persons.

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

CAUTION

- DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.

- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

WARNING:

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
  TO REVENT FIRE OR SHOCK HAZARD, DO NOT
- EXPOSE THIS UNIT TO RAIN OR MOISTURE. DO NOT PLACE OBJECTS FILLED WITH LIQUIDS ON OR NEAR THIS UNIT.
- SHOULD ANY TROUBLE OCCUR, DISCONNECT THE AC POWER CORD AND REFER SERVICING TO A QUALIFIED TECHNICIAN.

This product meets ENERGY STAR® guidelines for energy efficiency. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. ENERGY STAR is a registered mark owned by the U.S. government.

PLACEMENT INFORMATION

- Do not use this unit in places that are extremely hot, cold, dusty or humid.
- Do not restrict the airflow of this unit by placing it somewhere with poor airflow, by covering it with a cloth, by placing it on bedding or carpeting.

SAFETY INFORMATION

- When connecting or disconnecting the AC power cord, grip the plug and not the cord itself. Pulling the cord may damage it and create a hazard.
- When you are not going to use the unit for a long period of time, disconnect the AC power cord.

RATING PLATE LOCATION

The rating plate is located on the rear of the unit.

FCC STATEMENTS

NOTE: This unit 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 unit 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 communication. However, there is no guarantee that interference will not occur in a particular installation. If this unit does cause harmful interference to radio or television reception, which can be determined by turning the unit 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 unit and receiver.
-Connect the unit 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:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the unit.

"HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

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 a 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 groundingtype 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
wall outlet, consult an electrician for
replacement of the obsolete outlet.
10)Protect the power cord from being walked on
or pinched particularly at plugs, convenience
receptacles, and the point where they exit
from the apparatus.
11)Only use attachments / accessories specified
by the manufacturer.
12)Use only with the cart, stand,
tripod, bracket, or table
specified by the manufacturer,
or sold with the apparatus.
When a cart is used, use caution when
moving the cart / apparatus combination to
avoid injury from tip-over.

13)Unplug this apparatus during lightning
Storms or when unused for long periods of
time.
14)Refer all servicing to qualified service
personnel. Servicing is required when the
apparatushas been damaged in any way,
such as the power cord or plug is damaged,
liquid has been spilled or objects have fallen
into the apparatus, the apparatus has been
exposed to rain or moisture, does not operate
normally, or has been dropped.
15) The mains plug is used as disconnect device,
the disconnect device shall remain readily operable.

PERSONAL SAFETY NOTICE

• ALWAYS read and follow all instructions for the installation and use of the TV.
• Place the TV in a location that is level and sturdy.
• DO NOT place the TV on a furniture with drawers that can be used as steps by small children.
• DO NOT allow children to pull the TV or climb on the furniture where the TV is placed.
• DO NOT allow children to play in front of or around the TV.
• ALWAYS route all the cables connecting to the TV so the cables cannot beeasily pulled and grabbed by children.
• When installing the TV on a wall, please purchase a TV mount recommended by a professional TV installer, and follow the installation instructions that come with the TV mount.
• Before installing the TV on a wall, please check to make sure the wall structure can support the weight of the TV and the mount. If in doubt, please ask the advice from a professional TV installer.

ACCESSORIES

Please check and identify the supplied accessories.

Remote control ..... x 1

Battery(AAA) ..... x 2

Warranty Card ..... x 1

Instruction Manual .....x 1

Base stand and 2 base stand screws .....x 1

GETTING STARTED

USING THE REMOTE CONTROL

·Point the remote control at the remote sensor located on the unit.
·When there is a strong ambient light source, the performance of the infrared remote sensor
·may be degraded, causing unreliable operation.
·The recommended effective distance for remote operation is about 16 feet (5 meters).

TO INSTALL THE BATTERIES

1.Open the battery door.

2. Insert 2"AAA"batteries.

BATTERY REPLACEMENT

When the batteries become weak, the operating distance of the remote control is greatly reduced and you will need to replace the batteries.

CAUTION : Danger of explosion if battery is incorrectly replaced.

NOTES

·If the remote control is not going to be used for a long time, remove the batteries to avoid damage caused by battery leakage corrosion.
·Do not mix old and new batteries. Do not mix ALKALINE, standard (CARBON-ZINC) or rechargeable (NICKEL-CADMIUM) batteries.
·Always remove batteries as soon as they become weak.
·Weak batteries can leak and severely damage the remote control.

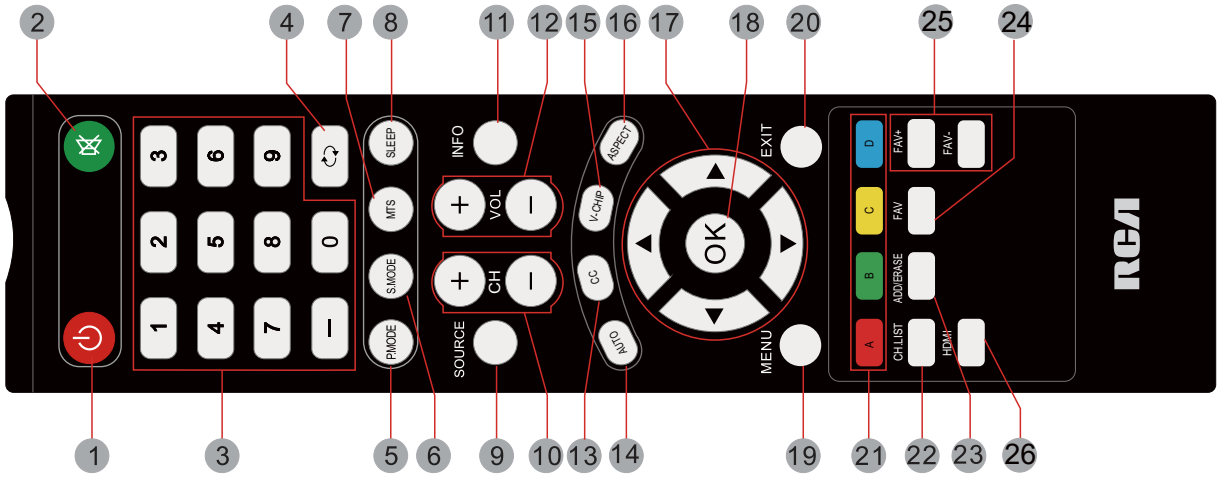
WARNING :

Do not dispose batteries in a fire. Batteries may explode or leak.
Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

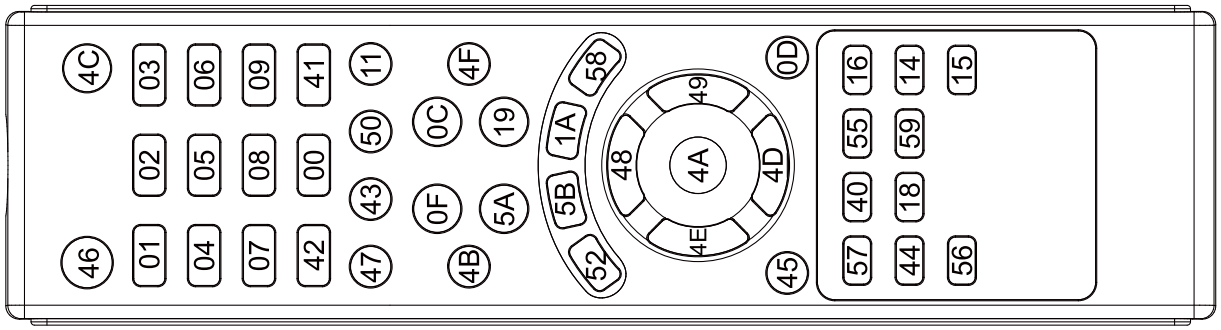
CONTROL REFERENCE GUIDE

REMOTE CONTROL

Universal Remote Code: 027D



NEC Code: 0000FB04(04FB)



1.STANDBY
To switch on the TV or make the TV into standby mode.

2.MUTE
Press this button to mute or restore sound.

3. 0-9/-
Allows you to change the channel of the TV.

4.↻
Switches back and forth between the current and previous channels.

5.P.MODE
Press this button to select a picture mode for different picture qualities.

6.S.MODE
Press this button to select sound setting for different sound effects.

7.MTS
To change among STEREO, MONO and SAP. If there is no second language available for the signal received, LED Display audio will output to mono.

8.SLEEP
To select the amount of time before your TV turns Off automatically.

9.SOURCE
Press this button to select an input source.

10.CH+/CH-
Skips to the next/previous channel on TV mode.

11.INFO
Show the information of the program you are watching.

12.VOL+/VOL-
Increases/Decreases the Volume control.

13.CC
Press the button to enter into the CC mode.

14. AUTO
Press this button to autoadjust the screen in PC mode.

15.V-CHIP
Set up parental control.

16.ASPECT
Select the aspect ratio settings:Normal/Wide/Zoom/Cinema.

17.UP/DOWN/LEFT/RIGHT
Moves the cursor upward/downward/to the left/to the right when making a selection.

18. OK
Press to confirm selections on a menu screen.

19. MENU
Displays the OSD Menu of the TV.

20. EXIT
Press this button to exit the on screen display.

21.A/B/C/D
Function is not available.

22.CH.LIST
Press this button to display the channel list.

23.ADD/ERASE
Press to increase/decrease your favourtite program.

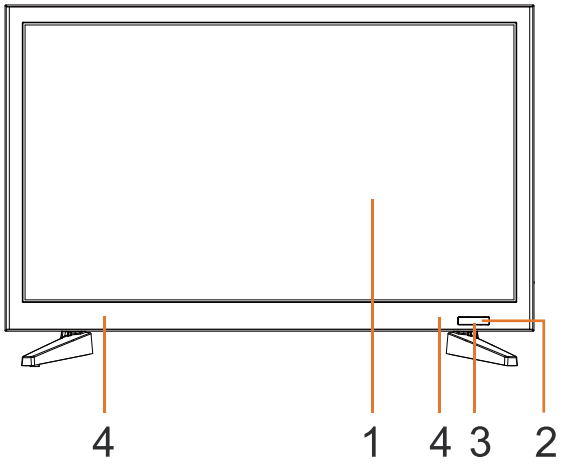
24.FAV
Press this button to show the favourite list.

25. FAV+/FAV-
Press this button to go through the FAV channel list.

26.HDMI
Select the HDMI mode directly.

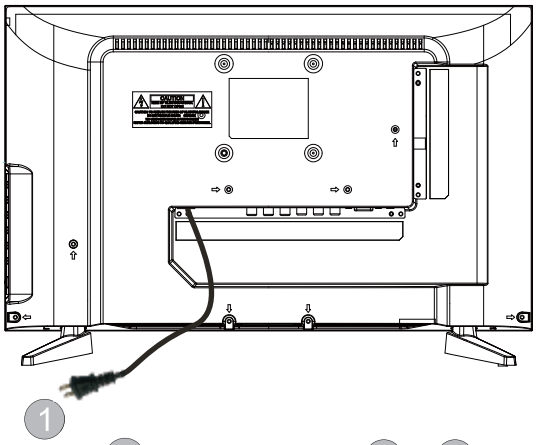
CONTROL REFERENCE GUIDE

FRONT VIEW

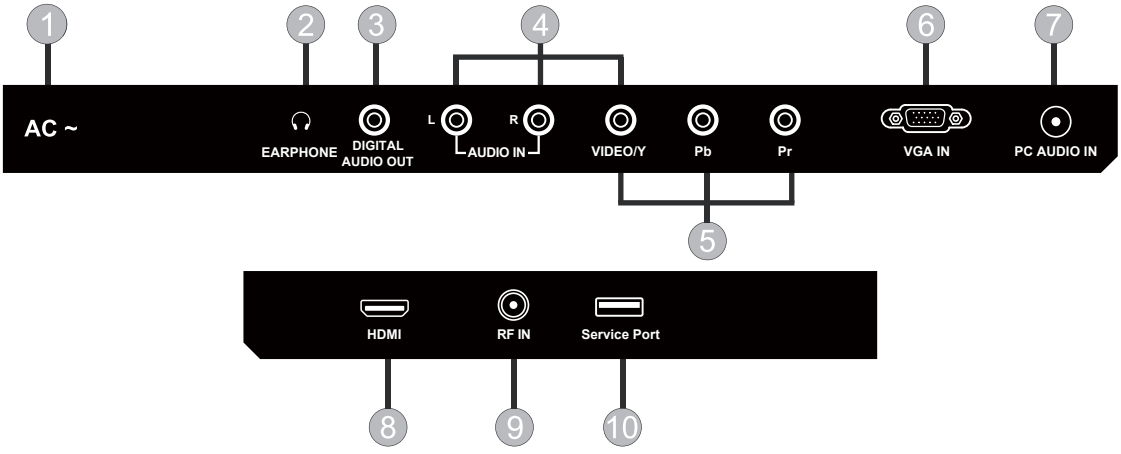


1.Color Screen
2.Remote Sensor
Do not block this sensor or the remote control will not work.
3.Standby Indicator
Indicates whether the unit is ON or in STANDBY (OFF) mode.
Light in red: The unit is in STANDBY.
Light in blue:The unit is turned ON.
4. Speakers

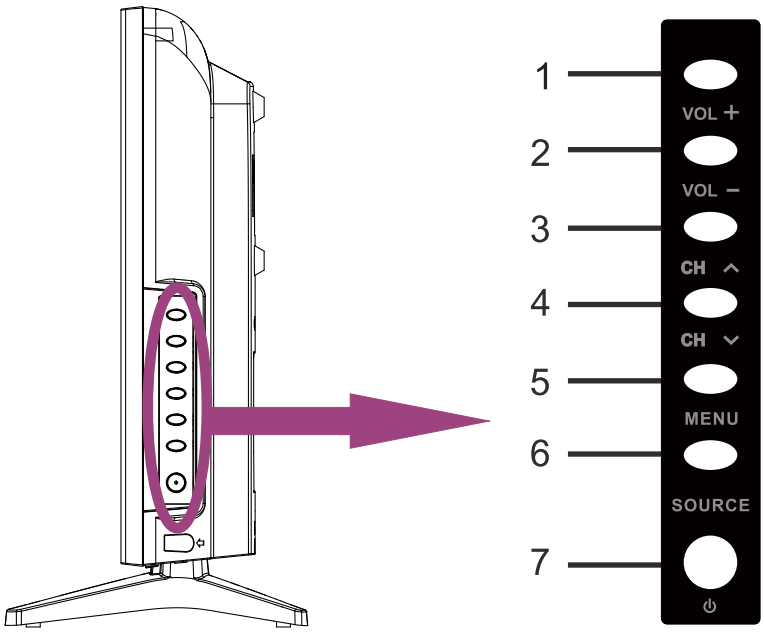
BACK VIEW



1.Power Cord
2.EARPHONE Jack
3.DIGITAL AUDIO OUT Jack
4. AV IN Jack(Audio share with YPbPr)
5.COMPONENT VIDEO IN Jack
6. VGA IN Jack
7. PC AUDIO IN Jack
8. HDMI IN Jack
9.TV ANTENNA Terminal
10.Service Port (USB 2.0)
The Service Port is intended for service use only.
Please do not connect any device to the port.



SIDE VIEW



1. VOL+ Button

This button increases the TV's volume.If a sub-menu is active,pressing this button will move the select right.

2. VOL- Button

This button decreases the TV's volume.If a sub-menu is active,pressing this button will move the selection left.

3. CH∧ Button

This button changes the TV channel up.If the OSD is active,this button functions as up for the menu.

4. CH∨ Button

This button changes the TV channel down.If the OSD is active,this button functions as down for the menu.

5. MENU Button

This button activates the On Screen Display (OSD).If a sub-menu is active, pressing this button will exit the OSD.

6. SOURCE Button

Press to select the input source of the TV.

7. POWER Button

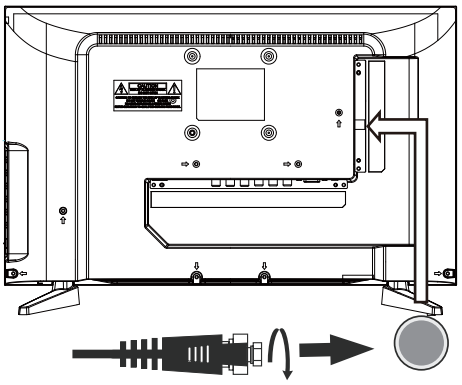
Turn on the TV by pressing the button once.
Press the button again to turn off the TV.

CONNECTIONS

CONNECTING A TV ANTENNA / CABLE / SATELLITE

To view television channels correctly, a signal must be received from one of the following sources:

- An indoor or outdoor aerial antenna
- A cable system
- A satellite system



Satellite, cable or TV antenna cable to TV ANTENNA terminal (cable not included)

NOTE

For receiving over-the-air TV broadcasts, we recommend that you use an external fixed antenna. Should you require the use of a temporary antenna, please ensure that you purchase an antenna with sufficient ability to receive in weak signal areas. Only when you are in close proximity to a transmitter will a temporary antenna reproduce a signal as strongly as a fixed antenna.

CONNECTING AN A/V DEVICE

To connect to other equipment such as a VCR, camcorder, satellite system or cable, etc.

CONNECTING DEVICES WITH A COMPOSITE VIDEO OUTPUT

To connect A/V devices such as a VCR, video game system or camcorder.

Connecting to a VCR / Video Game System / Camcorder

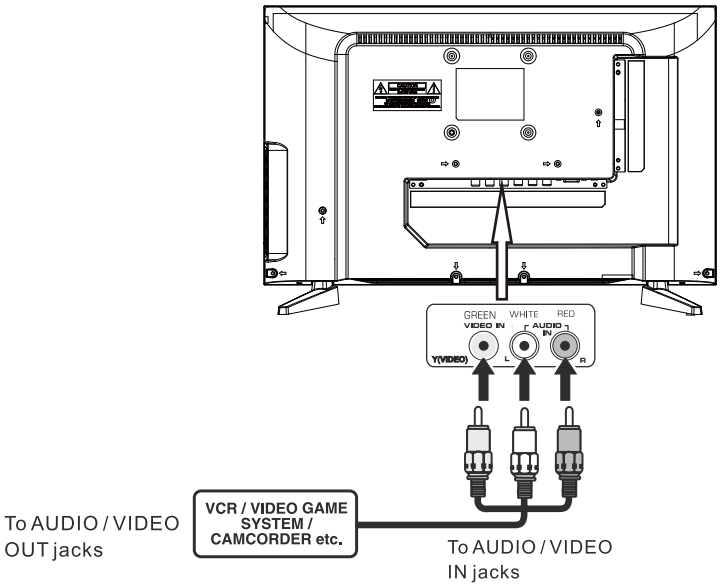
Connect the AUDIO / VIDEO cable (not included) as shown.

Make sure you connect the cable from the other equipment (**AUDIO** and **VIDEO OUT**) to this unit (AV in)

NOTE

1. Please refer to the user manual for the other equipment for more information.

2. Composite video input (shared with component)



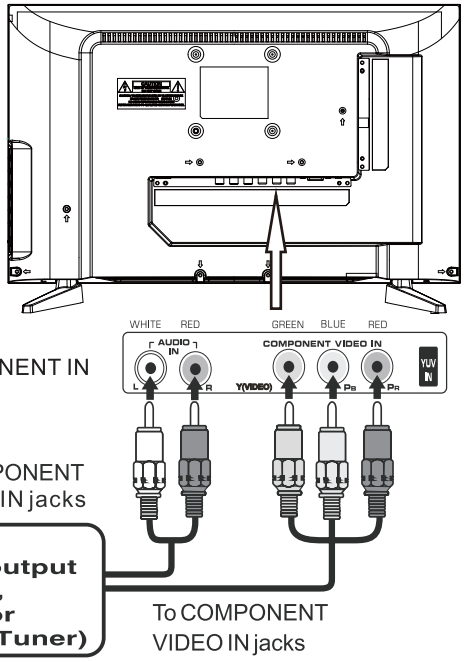
CONNECTIONS

CONNECTING A HIGH-DEFINITION (HD) SOURCE USING COMPONENT CONNECTION

High-Definition (HD) Devices with component video output must be connected to the YPbPr input.
Connect the component video cable and audio cable (not included) as shown.
Make sure you connect the component video cable and audio cable from the other equipment （COMPONENT OUT and AUDIO OUT） to the unit COMPONENT IN.

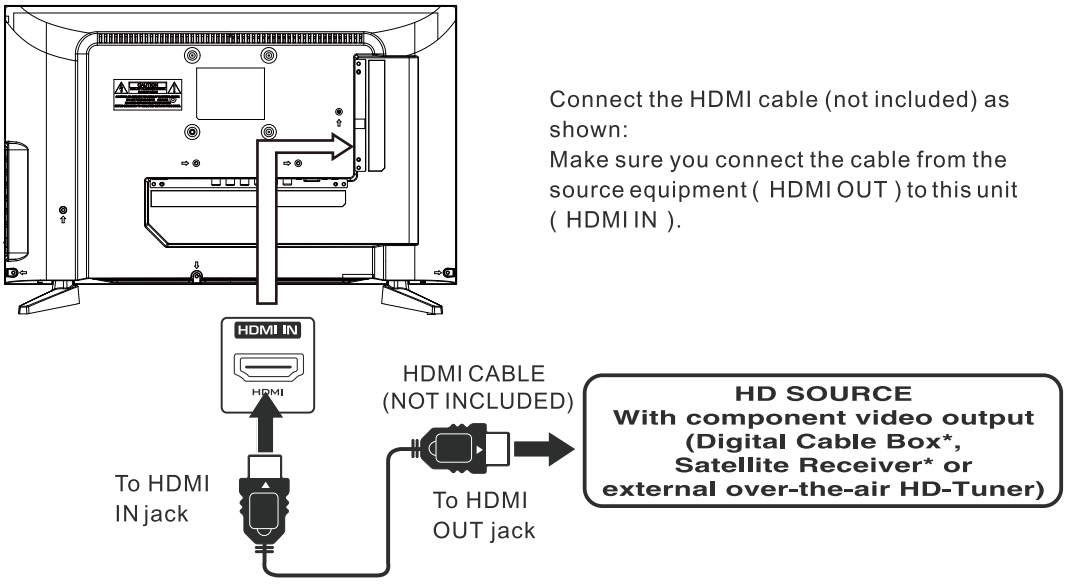
NOTE
When connecting a DVD player to the television, the picture resolution is solely dependent upon the resolution supported by the DVD player attached. DVD player resolutions vary from 480i to 1080i. and this television can support DVD players up to a maximum resolution of 1080i.

* May require a subscription for receiving HD channels, check with your cable/satellite service provider for details.



CONNECTING A HIGH-DEFINITION (HD) SOURCE USING HDMI CONNECTION

HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD players, DTV, set-top boxes and other digital AV devices. HDMI was developed to provide the technologies of High Bandwidth Digital Content Protection (HDCP) as well as Digital Visual Interface (DVI) in one specification. HDCP is used to protect digital content transmitted and received by DVI-compliant or HDMIcompliant displays.
HDMI has the capability to support standard, enhanced or high-definition video plus standard to multi-channel surround-sound audio. HDMI features include uncompressed digital video, a bandwidth of up to 2.2 gigabytes per second (with HDTV signals), one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.



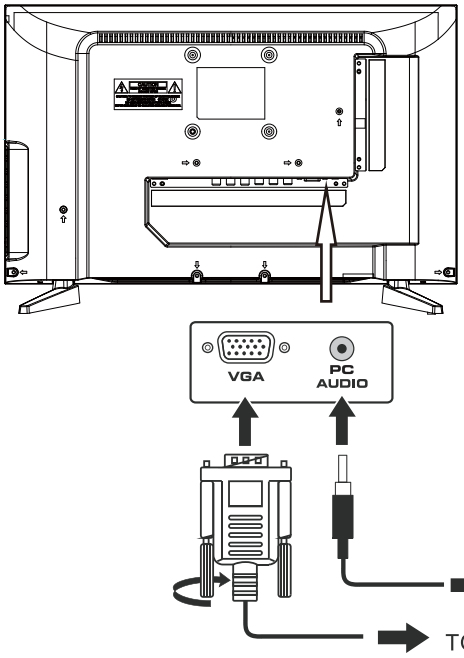
Connect the HDMI cable (not included) as shown:
Make sure you connect the cable from the source equipment (HDMI OUT) to this unit (HDMI IN).

CONNECTIONS

CONNECTING A PC

Connect the 15-pin D-SUB PC/VGA connector from your computer to the 15-pin D-SUB PC/VGA input on this unit using a monitor cable and an audio cable (not included) as shown.

Make sure you connect the cable from the computer (VGA and AUDIO - PC OUT) to this unit (VGA and AUDIO - PC IN).

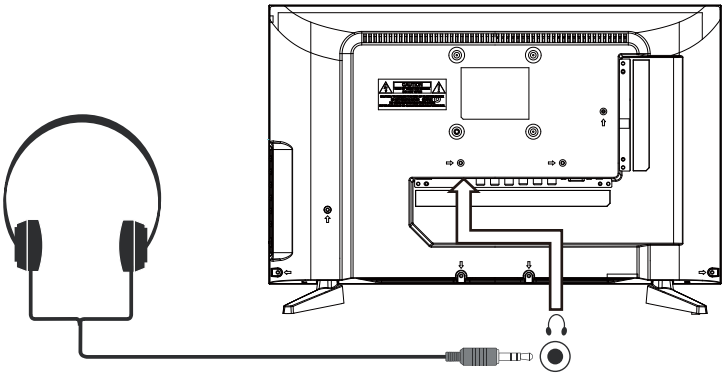


CONNECTING HEADPHONES

- Turn down the volume before connecting headphones to the unit, then adjust the volume to your desired level.
- When headphones are connected, no sound will come from the front speakers.

NOTE

Avoiding listening to sound at high Levels for prolonged period of time. This may be harmful to you and may cause hearing loss.

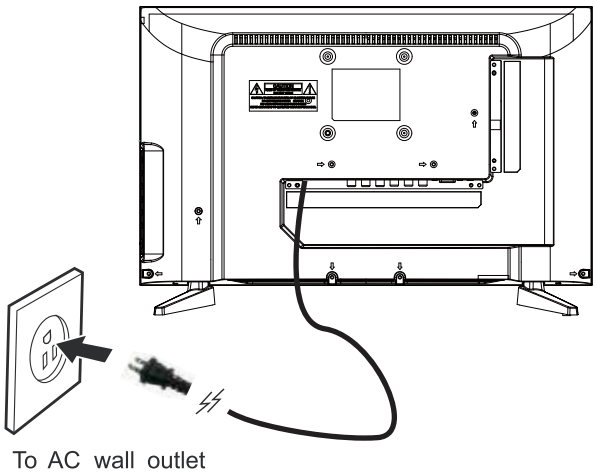


CONNECTING THE POWER CORD

You can power on your TV unit before you make sure the power cord is inserted well. At the same time, please check that the rated voltage of your unit matches your local Voltage.

NOTE

- Insert the power plug fully into the socket outlet. (If the power plug is loose it could generate heat and cause fire .)
- Ensure that the power plug is easily accessible.
- Ensure the earth pin on the power plug is securely connected to prevent electrical shock.
- Do not touch the power plug with a wet hand. (This may cause electrical shock.)
- Do not use any power cord other than that provided with this TV. (This may cause fire or electrical shock.)
- Do not damage the power cord. (A damaged cord may cause fire or electrical shock.)
- Do not move the TV with the cord plugged in the socket outlet.
- Do not place a heavy object on the cord or place the cord near a high-temperature object.
- Do not twist the cord, bend it excessively, or stretch it.
- Do not pull on the cord. Hold onto the power plug body when disconnecting cord.
- Do not use a damaged power plug or socket outlet.



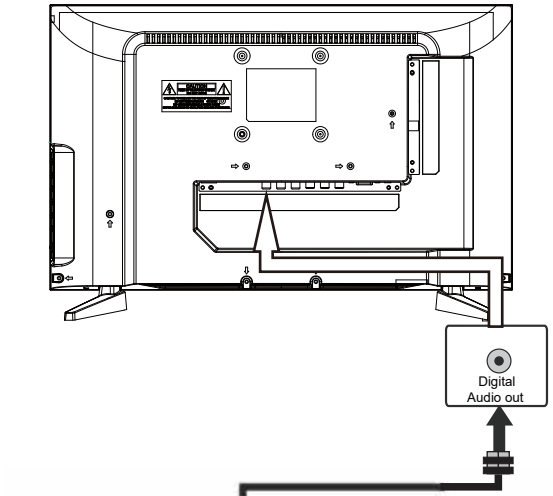
Connection to a Home Theater Audio System

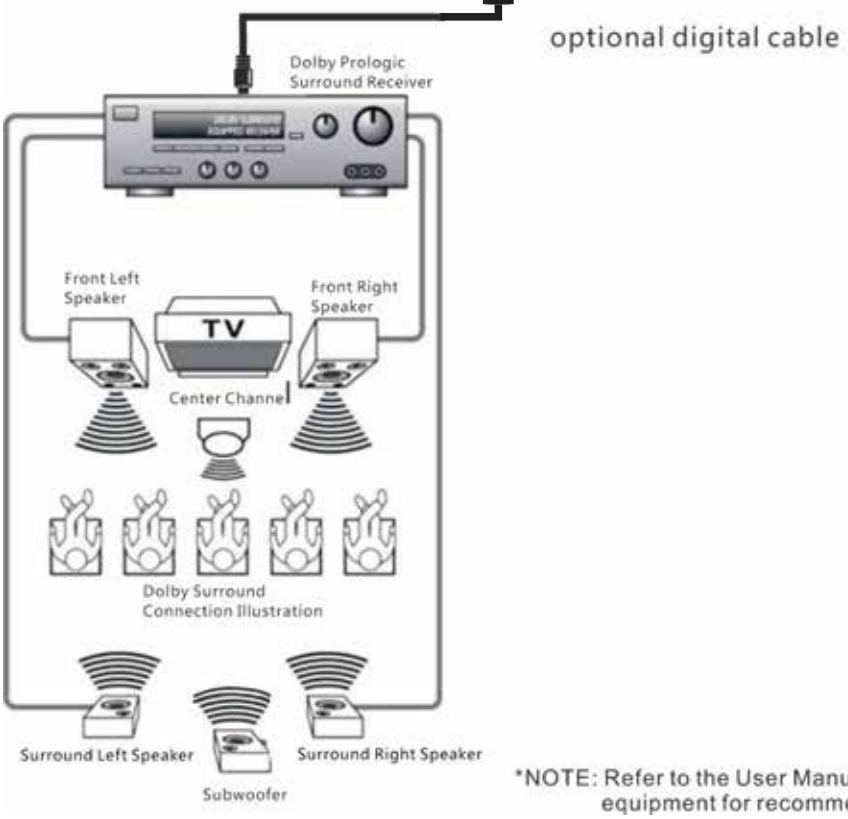
For BEST audio performance

Connecting to a Home Theater System Dolby Digital can deliver optimal 2 channel stereo or surround sound with five discrete full range channels plus a sixth channel for a subwoofer.

Enjoy optimal sound reproduction from your system with a Dolby Digital amplifier that incorporates a digital coaxial input. Connect an optional digital cable directly to the television's Digital audio output to listen through all inputs except VGA.

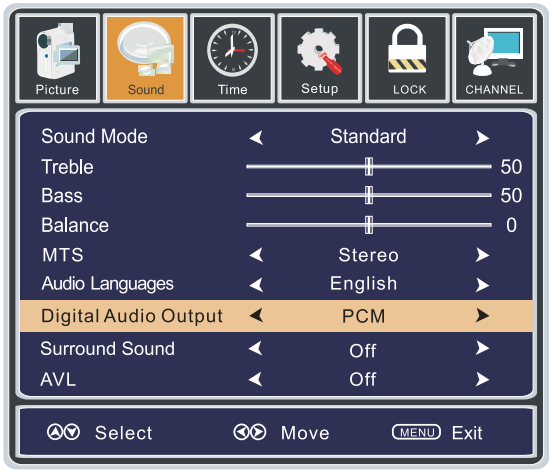
（The VGA does not support digital audio）





How To Setup Digital Audio Output

Press the MENU button on the remote control
Press the right ► arrow button to select sound
Press the down ▼ arrow button to highlight Digital Audio Output ► Raw, PCM or Off.



*NOTE: Refer to the User Manual from your home theater equipment for recommended audio settings.

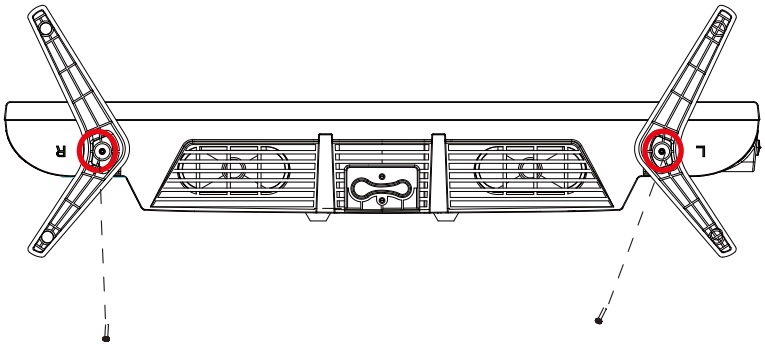
WALL MOUNT INSTALLATION

INSTALLING / REMOVING THE BASE STAND

WARNING : The LED Display is very fragile , and must be protected at all times when removing the base Stand .

Be sure that no hard or sharp object or anything that could scratch or damage the LED display comes into contact with it Do NOT exert pressure on the front of the unit at any time because the screen could crack.

1. Disconnect all cables or cords connected to the unit.
2. Lay the unit down on a flat surface with the back side facing up Please make sure to place a soft cushioned material (such as a pillow or thick piece of foam) beneath the screen.
3. To remove the base stand, loosen screws off the holes then pull downwards to release the base stand



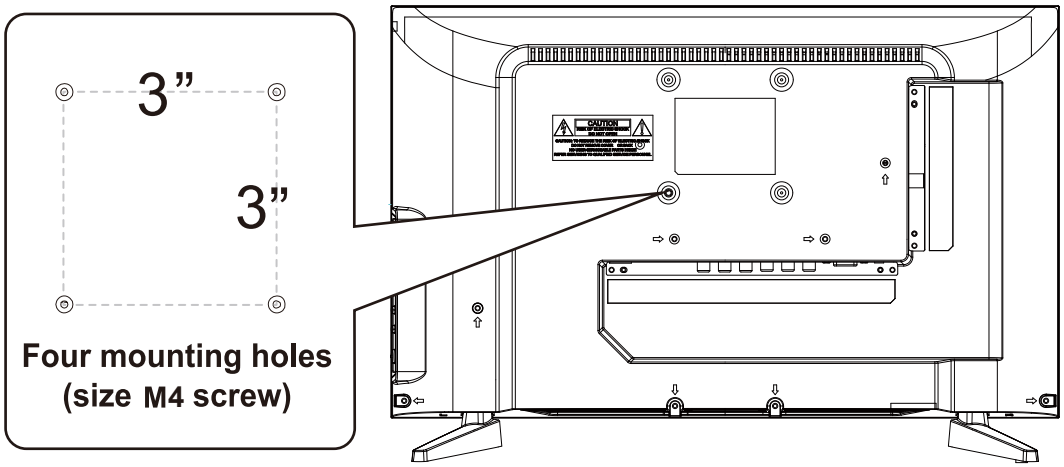
MOUNTING ON THE WALL

This unit is VESA-compliant, and is designed to be wall-mounted with a VESA-compliant 3" x 3" (75mm x 75mm) mounting kit designed for flat- panel TVs (not supplied).

Length of screw should not exceed 8 mm (not supplied).

NOTE

Remove the base stand before mounting the unit on the wall.



INITIAL SETUP

PUTTING THE UNIT ON A PROPER PLACE

When you turn on your television set for the first time, be sure to place it on a solid stable surface.

To avoid danger, do not expose the TV to water, or a heat source (e.g. lamp, candle, radiator).

Do not obstruct the ventilation grid at the rear and be sure to leave sufficient gaps around the unit.

TURNING THE UNIT ON FOR THE FIRST TIME

After you have initially connected your TV antenna or cable, turn the television ON.

A screen will display asking you to run a **Channel Auto Scan** to search and receive available local digital channels.

It is here where you will select antenna options and run **Channel Auto Scan**.

Please select Home Mode or Retail Mode to continue.

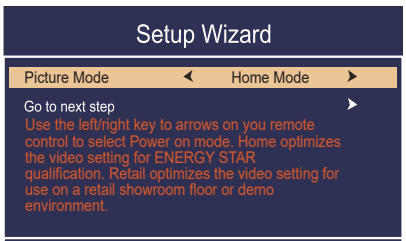
Home Mode (Power Saving) is the default as-shipped television configuration and settings. And Home Mode (Power Saving) is the setting in which the product qualifies for ENERGY STAR®.

Any changes to default as-shipped television configuration and settings would change the energy consumption. And enabling certain optional features and functionalities may increase energy consumption beyond the limits required for ENERGY STAR® qualification,asapplicable.

Retail Mode:Select Retail Mode if you would like your picture to be brighter.At times this mode may use more energy to operate the Volume/Sound mode and the Picture Mode. In this setting, the power consumption may possibly exceed the limited requirement of the ENERGY STAR® qualification.

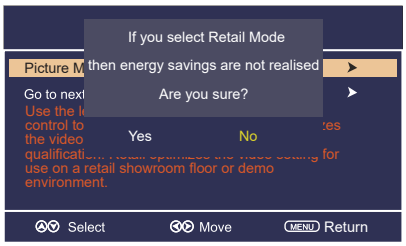
ENERGY STAR® is a set of power-saving guidelines issued by the U.S. Environmental Protection Agency(EPA).

ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and pratices.



Press Yes to confirm.

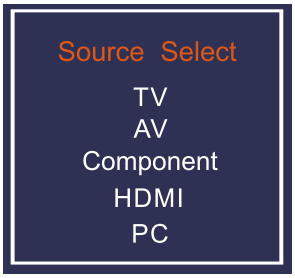
Note:If you want change the modes between Home Mode (Power Saving) and Retail Mode, you can change the setting in the Setup Menu under Picture Mode.



SOURCE SELECTION

1. Press the **SOURCE** button on the remote control.
2. Use the ▲ or ▼ button to select the options (TV,AV,Component,HDMI,PC)

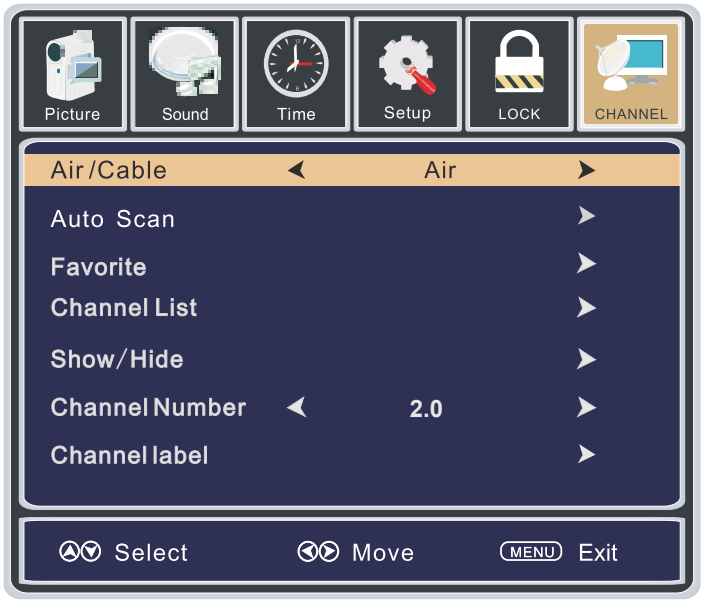
and select any of them using the **OK** button. (The screen will change to your desired source).



Note:
Before watching please make sure all necessary cables and devices are connected.

CHANNEL MENU

Press **MENU** button to display the main menu.
Press ◄ / ► button to select **CHANNEL** in the main menu,it will highlight the first option.



AIR / CABLE
This feature allows you to switch between air (such as using antenna) and cable.

AUTO SCAN
This feature searches channels automatically for you.

FAVORITE
This feature gives the favorite list of channels added by you.

CHANNEL LIST
This feature shows the list of stored channels.

SHOW / HIDE
This feature tells you if you have chosen for channel to be skipped.

CHANNEL NUMBER
This feature tells you what channel you are currently on.

CHANNEL LABEL
This feature changes the name of the channel.

Please Note:
The channel options are only available when you select TV as your SOURCE.
When you open the OSD menu on other sources (HDMI, Component, AV, PC) these options will be grayed out.

TV SETUP

PICTURE MENU

Press **MENU** button to display the main menu.
Press ◄ / ► button to select **PICTURE** in the main menu,it will highlight the first option.

PICTURE MODE
This feature changes various color modes for the TV.

BRIGHTNESS
This feature changes the picture's detail in dark colors.

CONTRAST
This feature changes the difference between dark and bright objects.

COLOR
This feature changes the amount of color in the picture.

TINT
This feature changes the white balance of the color.
Adjusting tint will affect the skin tone. -50 will increase red,+50 will increase green.
Ideally, the tint scale on the TV OSD should show the red/green color for easy adjustment.

SHARPNESS
This feature changes the picture quality.

COLOR TEMPERATURE
This feature adjusts the color temperature of the TV, giving warm, normal, cool.

ADVANCED SETTINGS

a)ASPECT RATIO This feature changes the various aspects of the TV's video. (Aspects include wide, zoom, cinema,normal).

b)NOISE REDUCTION This feature reduces general pixilation by blurring them.

c)DYNAMIC CONTRAST This feature allows the TV to automatically adjust the contrast of the TV depending on the picture you are viewing.

d)HDMI MODE Video Mode will do overscan, use different aspect ratio;
Graphic Mode do not overscan, display 100% video.

SOUND MENU

Press **MENU** button to display the main menu.
Press ◄ / ► button to select **SOUND** in the main menu,it will highlight the first option.

SOUND MODE
Allow the selection of an audio-enhancement technique: Standard/Music/Movie/User/Sports.
Alternative: *you may press the* ***S.MODE*** *button to select the* sound *mode directly.*

TREBLE
Control the relative intensity of higher-pitched sounds. *(For User mode)*

BASS
Control the relative intensity of lower-pitched sounds. *(For User mode)*

BALANCE
Adjust the relative volume of the speaker in a multiple speaker system.

MTS
This feature adjusts the second audio programming in analog channels.

AUDIO LANGUAGE
This feature adjusts the digital second audio programming in digital channels.

DIGITAL AUDIO OUTPUT
This feature adjusts the digital audio output.

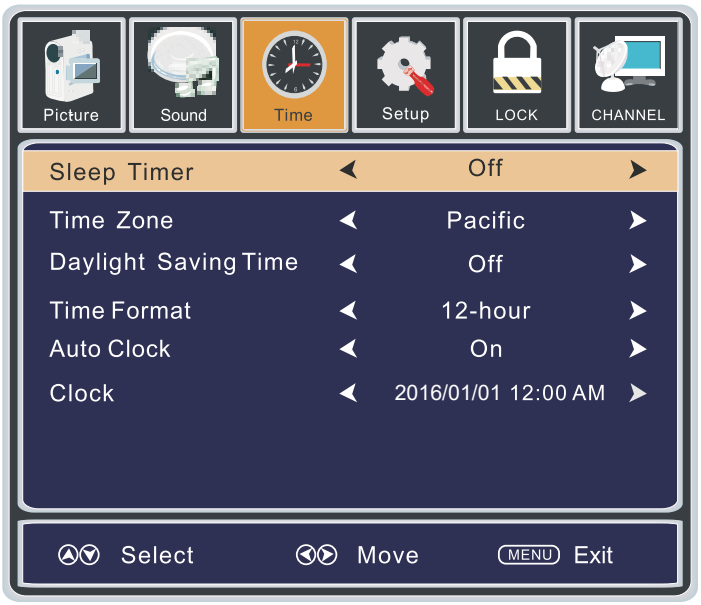
SURROUND SOUND
This feature adjusts the dimensional surround effect on or off (for built-in speakers only).

AVL
This feature adjusts the auto volume leveler enabling volume protection from overly loud commercials.

Please Note:
AUDIO LANGUAGE and MTS are dependent on the broadcasting station's support and are only available under the source TV.

TIME MENU

Press **MENU** button to display the main menu.
Press ◄ / ► button to select **TIME** in the main menu,it will highlight the first option.



SLEEP TIMER
This timer automatically turns off the TV at the designated time.

TIME ZONE
This option adjusts the global time zone for the TV.

DAYLIGHT SAVING TIME
This option toggles the daylight saving time feature.

TIME FORMAT
This option adjusts the display format for the time.

AUTO CLOCK
This option enables the TV to sync time with the antenna.
(Put it on AUTO if you have an antenna attached to the TV.If you have CABLE or SATELLITE or anything else please use make sure AUTO CLOCK is turned off)

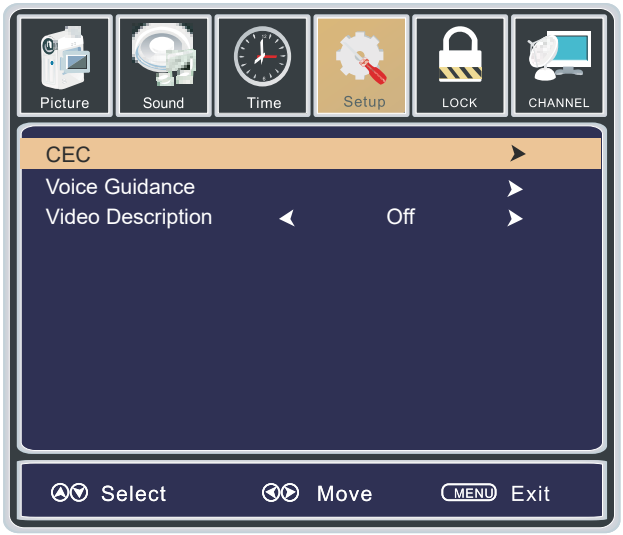
CLOCK
This option adjusts the time and date of the TV.You need to disable AUTO CLOCK in order to use this function.

Please Note:
The TIME function will only keep accurate time if the TV is plugged into a power source.
If the TV is unplugged or the power strip is turned off, the TV's time will not be accurate.

TV SETUP

SETUP MENU

Press **MENU** button to display the main menu.
Press ◄ / ► button to select **SETUP** in the main menu,it will highlight the first option.



MENU LANGUAGE
This option changes the language of the TV's OSD menu.

TRANSPARENT
This option changes the transparency of the menu allowing background TV images to show through.

OSD TIMEOUT
This option changes the time which the TV's OSD menu automatically goes off.

CLOSED CAPTION
This option displays words on the TV.

OVER SCAN
Press ◄ / ► button to select(On / Off).

SOURCE LABEL
This option changes the source names to your personal preference.

OTHER SETTINGS
This option adjusts miscellaneous options of the TV.
AUDIO ONLY-This option turns off the screen while the audio is still playing.

RESTORE DEFAULT
This option restores all the changes in the OSD menu back to the default factory settings.

SETUP WIZARD
This option enables the TV to show you the setup wizard of the TV again.

CEC
Lets you control HDMI CEC-compatible devices.

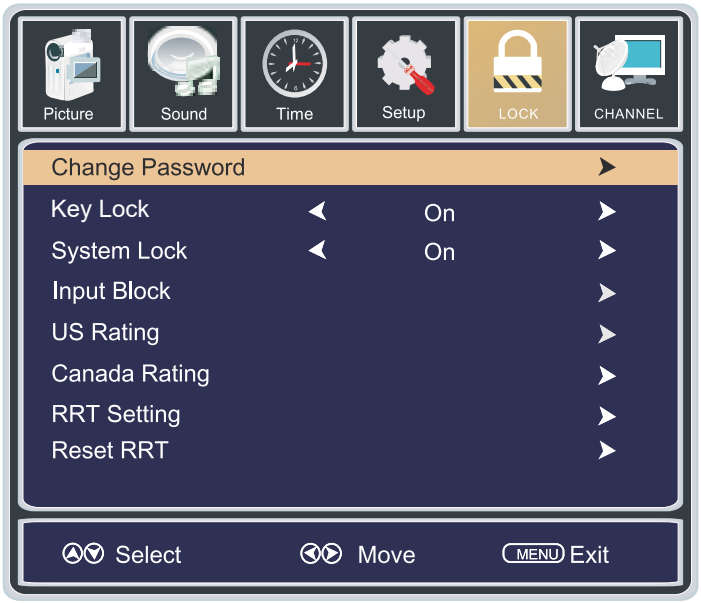
VOICE GUIDANCE
Set the auto voice guidance control(Text To Speech). Press ◄ / ► button to select(On / Off).

VIDEO DESCRIPTION
Press ◄ / ► button to select(On / Off).
On: A voice to describe the scene for the Video if the signal contain the scene description;
Off: No voice to describe the scene.

Please Note:
Closed captioning is only available under AV and TV ports.
Closed captioning depends on your TV program's support. Sometimes due to the TV channel or the signal, closed captioning will not be available.
In United States, closed captioning under analog signals is CC1.
In United States, closed captioning under digital signal is Service1.
The TV support the function of Emergency Alert System (EAS).

LOCK MENU

Press **MENU** button to display the main menu.
Press ◄ / ► button to select **LOCK** in the main menu,it will highlight the first option.
Press “0000” for the lock password.



CHANGE PASSWORD
This option allows you to change the LOCK menu password.

KEY LOCK
Lock or unlock the key on the TV.

SYSTEM LOCK
This option enables parental locking and filtering for the TV.

INPUT BLOCK
Block or unblock the input sources.

US RATING
This option filters US TV programming and movies.

CANADA RATING
This option filters CANADA TV ratings.

RRT SETTING
This feature is a downloadable rating filter based on TV broadcasts. With the transition of TV broadcasts to digital, future changes, and enhancements in how TV shows are rated for content are possible.

RESET RRT
This option resets the RRT settings.

Please Note:
Please refer to RATINGS EXPLAINED for more information on ratings definitions.
Downloadable rating and clear downloadable data might be grayed out depending on the Tvs tations support.
RRT5 options are based on TV broadcasts, if it is grayed out, then it is not available in your region.

DISPLAY MODE

PC FORMATS

SUPPORTED PC INPUT MODE			
Resolution	Horizontal Scanning Frequency (KHz)	Vertical Scanning Frequency (Hz)	Format
640 X 480	31. 5	60.0	DOS
800 X 600	35.1	56.2	VESA
800 X 600	37.9	60.0	VESA
1024 X 768	48.4	60.0	VESA
1366 X 768	47. 7	60.0	VESA

NOTE:
This product does not support the display mode not listed above.
In order to achieve the best display effect, please select the above-listed 5 display modes input signal.

Because of the difference of display drivers output signal (especially non-standard signal output), the display image may appear little disturbance which can be adjusted on the PC menu.

To prolong this unit's service life, please set your computer to power management mode.

DISPLAY MODE

VIDEO FORMATS

SUPPORTED COMPONENT / HDMI INPUT MODE			
Resolution	Horizontal Scanning Frequency (KHz)	Vertical Scanning Frequency (Hz)	Format
720 X 480	15. 73	59. 94	480 i
720 X 480	31. 5	59. 94	480 p
1280 X 720	45	60	720 p
1920 X 1080	33. 75	60	1080 i
1920 X 1080	27	24	1080 p
1920 X 1080	67. 50	60	1080 p

NOTE:

The above listed formats are also related to the AV devices you are about to connect. Before you connect this unit with others please read all instructions carefully and make sure all necessary cables are connected.

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This unit may be incompatible with some other formats which are not meet the above conditions.

SPECIFICATION

Model Description		19”LED TV
Panel	Panel Type	LED Panel
	Diagonal Size	19 inches
	Screen Format	16:9
	Resolution	1366 x 768
	Brightness	200 cd/m²
	Contrast	1000 :1
	View Angle	170(H)/160(V)
	Response Time	8 ms
	Maximum Color	16.7M colors
Systems	Color System	ATSC/NTSC
	Sound System	M/MTS
	Sound Output	L/R Speaker: 3W+3W
Input / Output Jacks	RF Input	75 ohm external terminal
	HDMI Input	480i, 480p, 720p, 1080i, 1080p.
	PC-RGB Input	D-sub 15pin G: 0.7Vp-p, 75ohms B: 0.7Vp-p, 75ohms R: 0.7Vp-p, 75ohms
	Composite Video Input	1.0 Vp-p, 75ohms
	Component/Y Pb Pr Input	Y: 1.0 Vp-p, 75ohms, 0.3V negative sync Pb: 0.7Vp-p, 75ohms Pr: 0.7Vp-p, 75ohms
	Sound Input	AV AUDIO: For CVBS/COMPONENT Audio input PC AUDIO: For PC RGB Audio input 500mV rms, Impedance: 20k ohms
	Digital audio out	S/PDIF Coaxial
Power	Power Requirement	120V~ 60Hz
	Rated Power Consumption	30W

This manual is only for your reference.
Specifications are subject to update without prior notice.

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE (AND REMEDY)
TV	
Bad Picture (snow, multiple images distortion,blurry)	• Check the location of the antenna and adjust it if necessary. • Make sure the antenna cable is firmly connected. • Make sure all input cables are firmly connected.
No sound.	• Increase the volume. • Check whether the mute function has been activated on the Remote Control.
Black and White picture.	• Check the PICTURE setting within the PICTURE menu. • Check to make sure the program you are watching is broadcast in Color and not Black & White.
No picture or sound.	• Make sure the unit is plugged in and turned on. • Make sure that the ATV mode is selected. • Try a new channel to check for possible station trouble. • Make sure the antenna is connected properly. • Increase the volume. • Make sure the antenna or audio/video source device is working properly. • Make sure all cables are firmly connected. • Check for local interference.
Colored patches of picture.	• Make sure there are no unshielded electrical devices nearby that are causing interference. • Turn the TV off for 30 minutes, then try it again.
Panel function key does not respond correctly.	• Under the influence of electrostatic phenomenon, the product may malfunction and require usertopowerreset. • Unplug and re-plug the AC power cord.
The display monitor's panel goes hot.	• LED TV takes inside lighten phosphor. It may increase the temperature of the screen in some occasions. It's not a defect.
Unusual dots	• Black dots and Bright points may appear on the LED screen. This is a structural property of the LED panel and is not a defect.
Stripes on screen	• Adjust the impulse phase may decrease stripes. RGB in
The top of the monitor gets hot.	• It may occur during long-time working. It's not a defect.
Unable to select a certain channel.	• The channel may be skipped. Choose this channel by directly selecting the buttons from the remote control.
Disorder display at power on.	• This may be caused because of a very short interval between POWER OFF and ON. • Unplug the power and restart.