

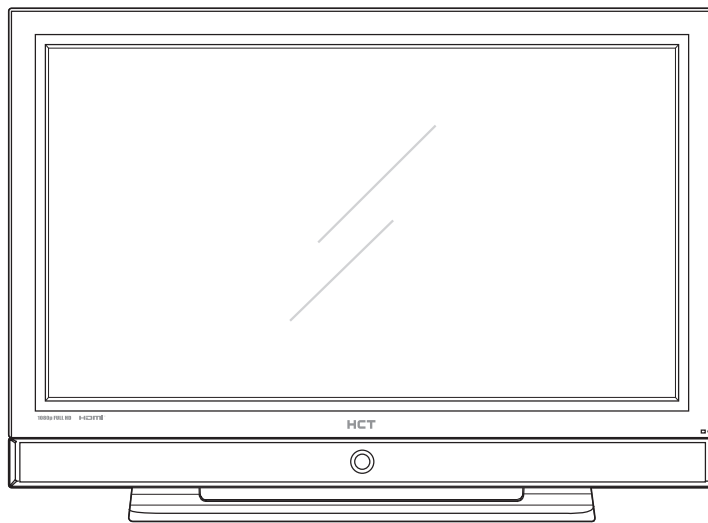


APPENDIX G
: USER'S MANUAL

|HCT|

50" PDP TV USER'S GUIDE

KPP-50SAT







PLEASE READ CAREFULLY BEFORE USE

Before Connecting, operating or adjusting this product, please read the instructions completely. Please keep this manual for future reference. For future reference, record the serial number of your PDP TV.

SERIAL NO. _____
The serial number is located on the rear of PDP TV.

WARNING / CAUTION

 WARNING/CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN 	 <p>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>  <p>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.</p>
<p>TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.</p>	

WARNING/CAUTION

TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER

This reminder is provided to call the CATV system installer’s attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

CAUTION

Do not attempt to modify this product in any way without written authorization from the dealer. Unauthorized modification could void the user’s authority to operate this product.

WARNING / CAUTION

To prevent fire or shock hazards, do not expose this product to rain or moisture.

FCC NOTICE

Class B digital device

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 receiver.
- Connect the equipment to 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.

Caution

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

On Disposal

- a. The fluorescent lamp used in this product contains a small amount of mercury.
- b. Do not dispose of this product with general household waste.
- c. Disposal of this product must be carried out in accordance to the regulations of your local authority.

Digital Television Transition Notice

The nationwide transition to digital television broadcasting by full-power TV stations will be completed by June 12, 2009, but your local television stations may switch sooner. After the switch, analog-only television sets that receive TV programming through an antenna will need a converter box to continue to receive over-the-air TV. Watch your local stations to find out when they will turn off their analog signal and switch to digital-only broadcasting. Analog-only TVs should continue to work as before to receive low-power, Class A or translator television stations and with cable and satellite TV services, gaming consoles, VCRs, DVD players, and similar products.

Information about the DTV transition is available from your local television stations, www.DTV.gov, or 1-888-CALL-FCC (TTY 1-888-TELL-FCC). Information about government coupons for eligible digital-to-analog converter boxes is available from www.dtv2009.gov or 1-888-DTV-2009 (TTY 1-877-530-2634).

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with 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 apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To completely disconnect this apparatus from the AC Mains, disconnect the mains plug from the AC receptacle.
17. The mains plug of the power supply cord shall remain readily operable.
18. This apparatus shall be connected to a Mains socket outlet with a protective earthing connection.

Important Safety Instructions

NOTE

Prolonged use of headphones at a high volume may cause health damage on your ears.

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

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Contents

WARNING CAUTION	3	WARNING / CAUTION
	5	Important Safety Instructions
Controls And Connectors	10	Front Panel
	11	Rear Panel
	12	Remote Control
Installation	14	Wall mount Installation
	14	Desktop Pedestal Installation
Connection	15	Antenna Connection
	16	VCR Connection
	18	DVD Connection
	20	HDSTB Connection
	22	External A/V Source
	22	Digital Audio Out
	23	USB in setup
	24	PC Connection
25	Resolution	
Basic Operation On Screen Menus	26	Turning On or Off
	26	Channel Selection
	26	Volume Adjustment
	26	Sound Mute
	26	Quick View
	27	Input Selection
	27	Language Selection
28	On Screen Menus	
Setting up TV Channel	29	Auto Scan
	30	Find Channel
	31	Add/Delete Channel
	32	EPG(Electronic Program Guide)
Picture Controls	33	Auto Picture Controls
	34	Manual Picture Controls
	35	Color Temperature
	36	Dynamic Contrast
	37	Noise Reduction
	38	Flesh Tone Correction
	39	Blue Stretch
	40	Film Mode
41	Aspect Ratio	
42	Reset Picture Mode	
Sound Controls	43	Auto Sound Controls
	44	Manual Sound Controls
	45	Speaker On/Off
	46	Auto Volume Control

Sound Controls	47	Digital Output
	48	Reset Audio Mode
	48	Stereo/SAP Broadcast Setup
<hr/>		
Time Setting	49	Auto Time Setting
	50	Manual Time Setting
	51	Auto On/Off Time Setting
	52	Sleep Timer
<hr/>		
Option Menus	53	Audio Language
	54	Input Label
	55	Caption Mode
	56	Closed Caption-Analog
	57	Closed Caption-Digital
	58	Closed Caption Options
	60	Menu Opacity
<hr/>		
Parental Control	61	Enter your password
	61	Lock System
	62	Set Password
	63	Channel Blocking
	64	TV Ratings for USA
	65	TV (FCC) Age Categories
	66	Movie Ratings
	67	TV Rating English for Canada
	67	TV Rating French for Canada
69	Downloadable Rating	
<hr/>		
Setting the PC Mode	70	Auto Picture Controls
	71	Manual Picture Controls
<hr/>		
Special Functions	72	Watching PIP(Picture in Picture)
	73	Moving the sub picture
	74	PIP Audio Output
	75	Input Source Selection for sub picture (*Option)
	75	Swapping between Main and Sub pictures (*Option)
	75	Swapping between Main and Sub pictures audio
	75	Channel Selection for Sub Picture
75	Sub Picture Size Adjustment (*Option)	
<hr/>		
Photos Functions	76	Before using the Photos Mode
	76	Screen Components
	77	Slide Show
	78	Setup the Slideshow
<hr/>		
Music Functions	79	Before using the Music Mode
	79	Screen Components
	80	Listen to music
<hr/>		
	81	Specification
	82	Troubleshooting
	83	CHILD SAFETY
	84	Warranty

Accessories

Supplied Accessories

Ensure that the following accessories are included with your product.

If an accessory is missing, please contact the dealer where you purchased the product.

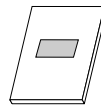
User must use shielded signal interface cables with ferrite cores to maintain standard compliance for the product.



Remote &
Batteries



Power cord



Owner's Manual



Adaptor Plug
(UL to VDE)

Installing Batteries



1

Open the battery cover on the back side.



2

Insert two batteries in correct polarity, match (+ with +), and match (- with -). Don't mix old batteries with new batteries.

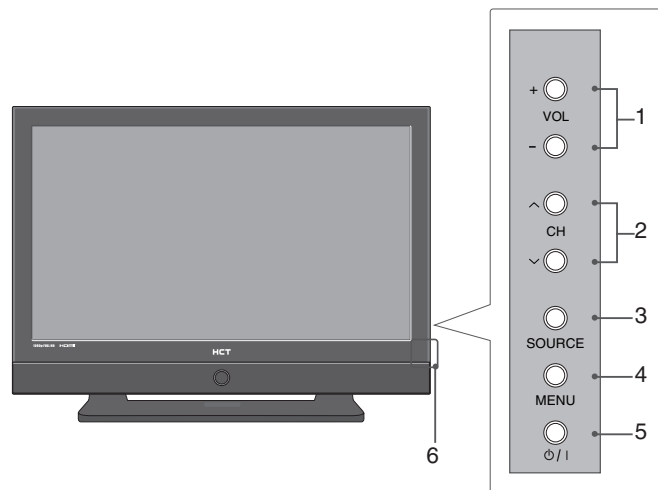


3

Close the battery cover.

Controls And Connectors

Front Panel

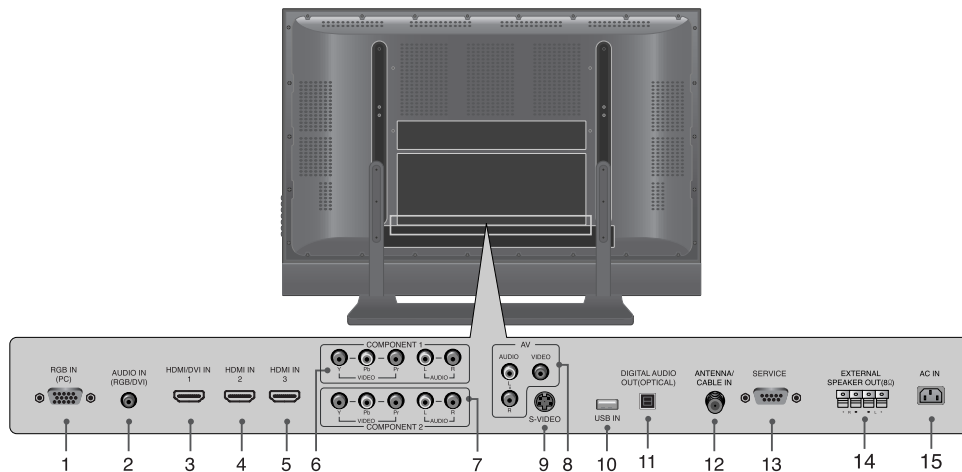


- 1. VOL + / VOL -**
Adjusts menu setting.
Adjusts sound level.
- 2. CH ^ / CH v**
Select a channel.
- 3. SOURCE**
Selects the **TV**, **AV/S-Video**, **Component-1**, **Component-2**, **HDMI 1**, **HDMI 2**, **HDMI 3** or **VGA** mode.
- 4. MENU**
Display on screen menus.
- 5. POWER**
Switches the set on or off.
- 6. Power Indicator**
Illuminates in bright blue when the TV is in standby mode.
Illuminates in dark blue when the TV is switched on.
Remote control sensor
Accepts the IR signal of remote controller.

NOTE -----

Here shown may be somewhat different from your set.

Rear Panel



1. **RGB IN (PC)**
Connect to the video output jack on your PC.
2. **AUDIO IN (RGB/DVI)**
Connect to the audio output jack on your PC.
3. **HDMI/DVI1 IN**
Connect to the HDMI jack for device with HDMI output. (This input can also be used as a DVI connection with an HDMI to DVI adaptor and separate analog audio inputs.)
4. **HDMI2 IN**
Connect to the HDMI jack for device with HDMI output.
5. **HDMI3 IN**
Connect to the HDMI jack for device with HDMI output.
6. **COMPONENT1 IN (YPbPr1)**
Video/Audio inputs for Component1.
7. **COMPONENT2 IN (YPbPr2)**
Video/Audio inputs for Component2.
8. **AV IN**
Connect RCA cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
9. **S-VIDEO IN**
Connect the output of an S-VIDEO device to the S-VIDEO input.
10. **USB IN**
Connect the USB memory stick.
11. **DIGITAL AUDIO OUT(OPTICAL)**
Connect digital audio to various types of equipment.
12. **ANTENNA/CABLE IN**
Connect to your antenna or cable box for TV signal.
13. **SERVICE**
14. **EXTERNAL SPEAKER OUT**
External Speaker outputs.
15. **AC IN**
This TV operates on an AC power.

NOTE

Here shown may be somewhat different from your set.

Remote Control

- All the functions can be controlled with the remote control handset.
- Some functions can also be adjusted with the buttons on the side panel of the set.
- Before using remote control handset, please install the batteries.



POWER
Switches the set on or off.

SOURCE
Selects the TV, AV/S-Video, Component-1, Component-2, HDMI 1, HDMI 2, HDMI 3 or VGA mode.

NUMBER BUTTONS
Selects channel numbers.

Hyphen(—)
Press to select DTV channels.
For example, to select channel '10-1', press '10' then press '—' and '1'.

PRE.CH
Switch to the previous channel number.

VOL + / VOL -
Adjusts sound level.

CH + / CH -
Select a channel.

FAV.CH
Display the favorite channel list.

MUTE
Switches the sound on or off.

MENU
Display on screen menus.

EXIT
Clear all on-screen menus and return to TV viewing from any menu.

Navigational Controls
Adjusts menu settings.
Selects menu item.

OK
Accepts your selection.

EPG
Displays the program guide.

SLEEP
Sets the sleep timer.



INFO
Display the current channel information.

MTS
Select MTS sound : Mono, Stereo and SAP in Analog Channel.
Change the audio language in DTV Channel.

RATIO
Selects your desired picture format.

CC
Select the Caption menu directly.

PICTURE
Recalls your preferred picture setting.

SOUND
Recalls your preferred sound setting.

PHOTO
Select the Photos mode directly.

MUSIC
Select the Music mode directly.

PIP
Switches the sub picture on or off.

PIP INPUT
Not Support.

SWAP
Not Support.

AUD.SWAP
Alternates between main and sub picture audio.

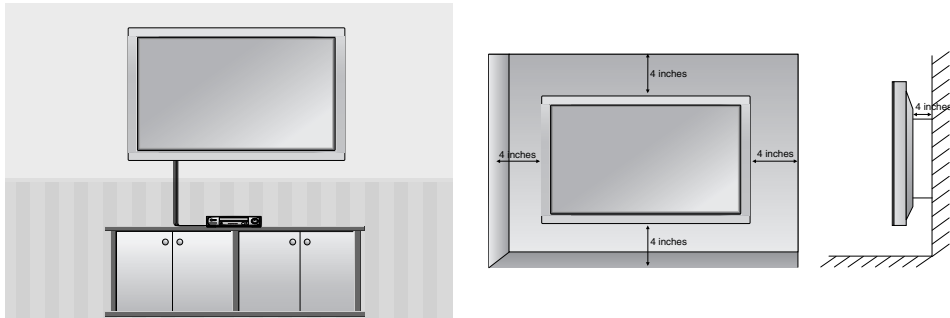
SIZE
Not Support.

POSITION
Moves the sub picture position.

PIP CH +/PIP CH -
Select a channel for the sub picture.

Installation

Wall mount Installation

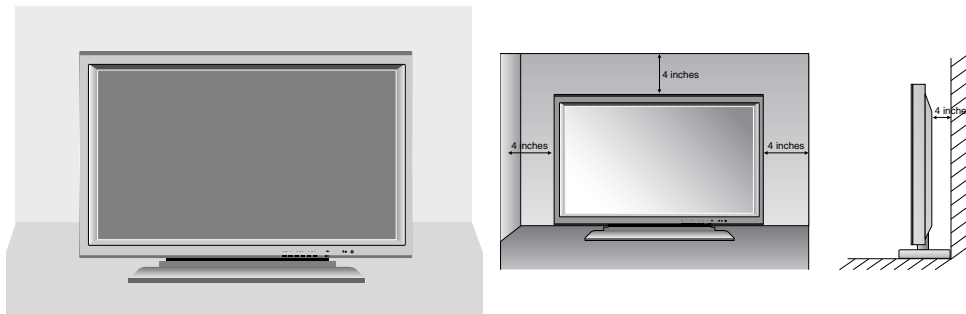


The set can be installed on a wall as shown above.
For proper ventilation, allow a clearance of 4 inches on all four sides from the wall.
Detailed instructions are available from your dealer, refer to the optional Wall Mounting Bracket Installation and Setup Guide. (Wall Mount Sold Separately)

NOTE -----

- Do not install the Wall-Mount except the Qualified Service Personnel.

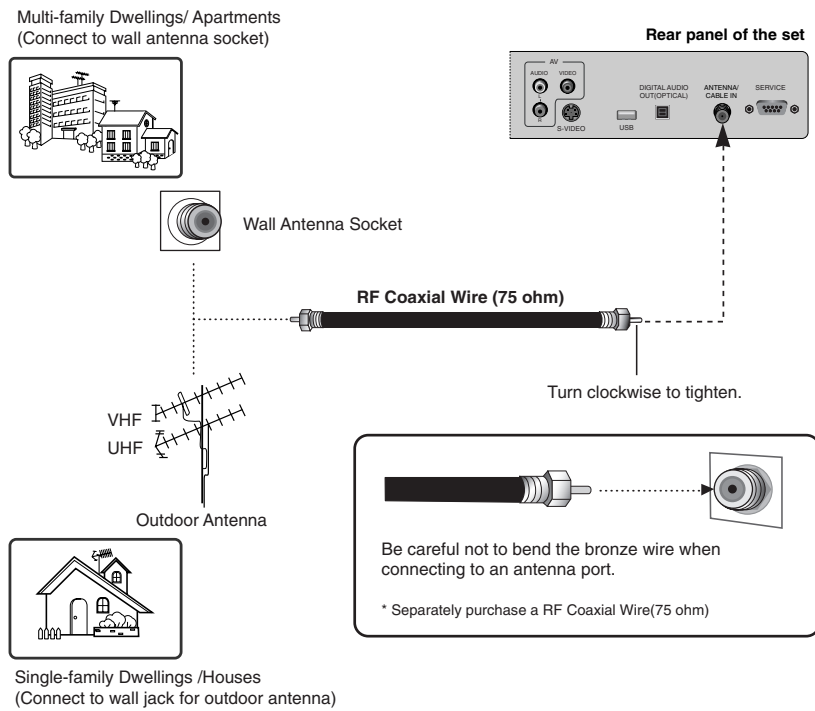
Desktop Pedestal Installation



The set can be mounted on a desk as shown above.
For proper ventilation, allow a clearance of 4 inches on each side from the wall.
Detailed instructions are available from your dealer, refer to the optional Desktop Stand Installation and Setup Guide.

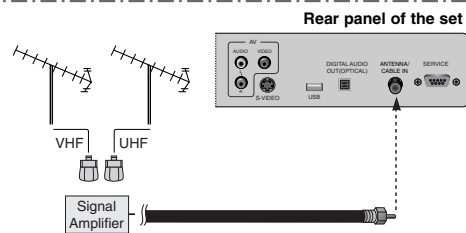
Connections

Antenna Connection



NOTE

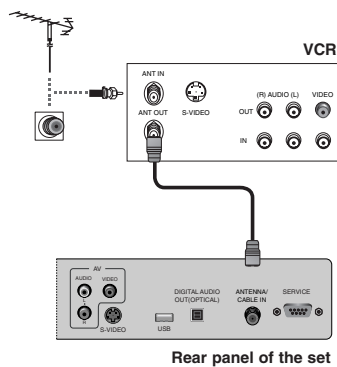
- To improve the picture quality in a poor signal area, please purchase a signal amplifier and install properly.
- If the antenna is not installed properly, contact your dealer for assistance.



VCR Connection

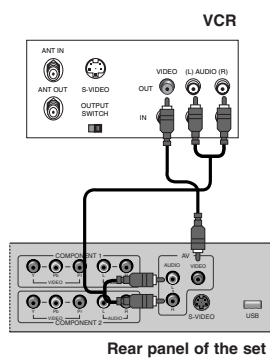
- To avoid picture noise (interface), leaves an adequate distance between the TV and the VCR.

■ When connecting with an antenna



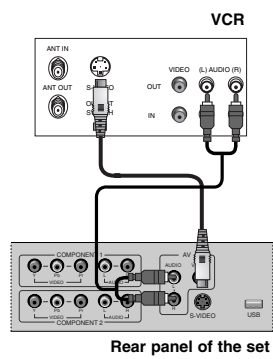
1. Connect the Antenna out socket of the VCR to the Antenna input socket on the TV.
2. Press the **POWER** button on the VCR and match the appropriate input selection between the TV and VCR for viewing.

■ When connecting with a RCA cable



1. Connect the AUDIO/VIDEO jacks between TV and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)
2. Insert a video tape into the VCR and press **PLAY** on the VCR.
3. Select the **AV/S-Video** input source with using the **SOURCE** button on the remote control.
4. Refer to the VCR manual for operating instructions.

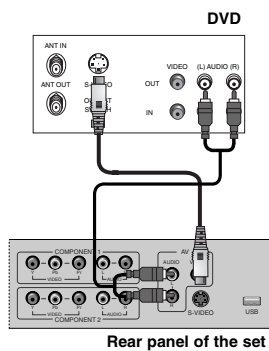
■ When connecting with a S-Video cable



1. Connect the S-VIDEO output of the VCR to the S-VIDEO input on the set. The picture quality is improved; compared to normal composite (RCA cable) input.
2. Connect the audio outputs of the VCR to the AV **AUDIO L, R** input jacks on the set.
3. Insert a video tape into the VCR and press **PLAY** on the VCR.
4. Select the **AV/S-Video** input source with using the **SOURCE** button on the remote control.
5. Refer to the VCR manual for operating instructions.

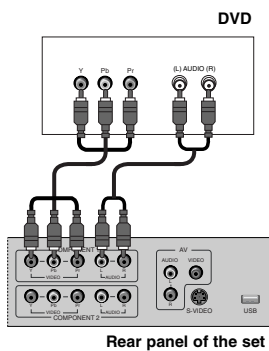
DVD Connection

■ When connecting with a S-Video cable



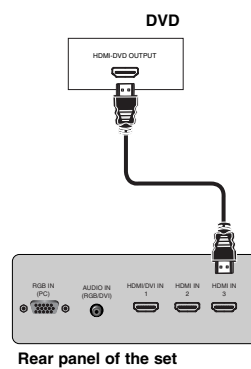
1. Connect the **S-VIDEO** output of the DVD to the **S-VIDEO** input on the set.
2. Connect the audio outputs of the DVD to the **AV AUDIO L, R** input jacks on the set.
3. Turn on the DVD player, insert a DVD.
4. Select **AV/S-Video** input source with using the **SOURCE** button on the remote control.
5. Refer to the DVD player's manual for operating instructions.

■ When connecting with a Component Cable



1. Connect the video outputs (Y, PB, PR) of the DVD to the **COMPONENT1 VIDEO(Y, Pb, Pr1)** or **COMPONENT2 VIDEO(Y, Pb, Pr2)** jacks on the set.
2. Connect the audio outputs of the DVD to the **COMPONENT1 AUDIO L, R** or **COMPONENT2 AUDIO L, R** jacks on the set.
3. Turn on the DVD player, insert a DVD.
4. Select **Component-1** or **Component-2** source with using the **SOURCE** button on the remote control.
5. Refer to the DVD player's manual for operating instructions.

■ When connecting with a HDMI cable

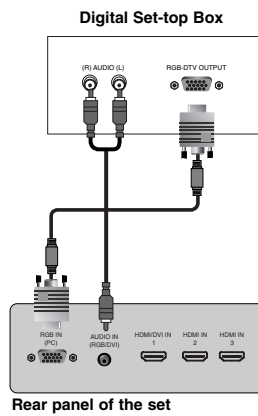


1. Connect the **HDMI** output of the DVD to the **HDMI/DVI1 IN, HDMI2 IN** or **HDMI3 IN** jack on the set.
2. Select **HDMI 1, HDMI 2** or **HDMI 3** input source with using the **SOURCE** button on the remote control.
3. Refer to the DVD player's manual for operating instructions.

HDSTB Connection

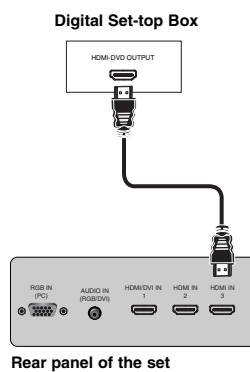
- This TV can receive Digital Over-the-air/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the figure as shown below.

■ When connecting with a D-Sub 15 pin cable



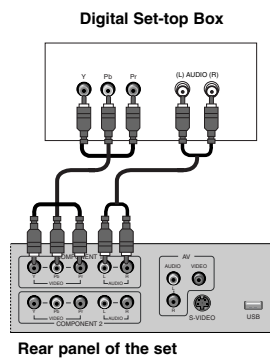
1. Connect the **RGB** output of the digital set-top box to the **RGB IN (PC)** jack on the set.
2. Connect the audio outputs of the set-top box to the **AUDIO IN (RGB/DVI)** jack on the set.
3. Turn on the digital set-top box.
4. Select **VGA** input source with using the **SOURCE** button on the remote control.
5. Refer to the digital set-top box manual for operating instructions.

■ When connecting with a HDMI cable



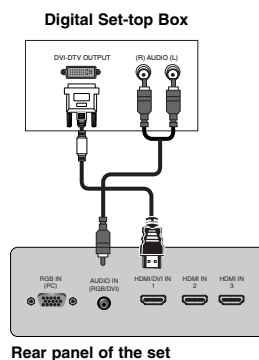
1. Connect the **HDMI** output of the digital set-top box to the **HDMI/DVI1 IN, HDMI2 IN** or **HDMI3 IN** jack on the set.
2. Turn on the digital set-top box.
3. Select **HDMI 1, HDMI 2** or **HDMI 3** input source with using the **SOURCE** button on the remote control.
4. Refer to the digital set-top box manual for operating instructions.

■ When connecting with a Component cable



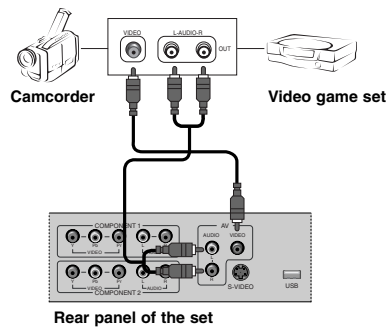
1. Connect the video outputs (Y, PB, PR) of the digital set-top box to the **COMPONENT1 VIDEO(Y, Pb, Pr1)** or **COMPONENT2 VIDEO(Y, Pb, Pr2)** jacks on the set.
2. Connect the audio outputs of the digital set-top box to the **COMPONENT1 AUDIO L, R** or **COMPONENT2 AUDIO L, R** jacks on the set.
3. Turn on the digital set-top box.
4. Select **Component-1** or **Component-2** source with using the **SOURCE** button on the remote control.
5. Refer to the digital set-top box manual for operating instructions.

■ When connecting with a HDMI to DVI cable



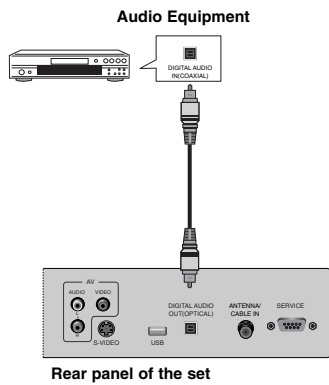
1. Connect the DVI output of the digital set-top box to the **HDMI/DVI1 IN** jack on the set.
2. Connect the audio outputs of the set-top box to the **AUDIO IN (RGB/DVI)** jack on the set.
3. Turn on the digital set-top box.
4. Select **HDMI 1** input source with using the **SOURCE** button on the remote control.
5. Refer to the digital set-top box manual for operating instructions.a

External A/V Source



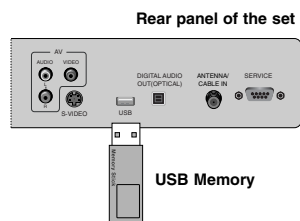
1. Connect the AUDIO/VIDEO jacks between TV and external equipment. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)
2. Select the **AV/S-Video** input source with using the **SOURCE** button on the remote control.
3. Operate the corresponding external equipment.
4. Refer to the external equipment manual for operating instructions.

Digital Audio Out



1. Connect one end of the optical cable to the TV's DIGITAL AUDIO OUT(OPTICAL) port.
2. Connect the other end of the optical cable to the digital audio input on the audio equipment.
3. Refer to the external audio equipment manual for operation.

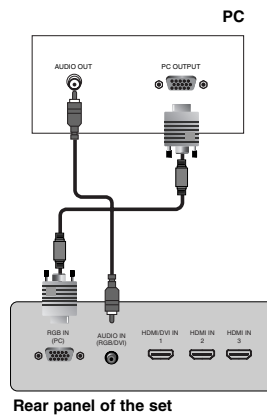
USB in setup



1. Connect the USB device to the USB IN jack on the set.
2. After connecting the USB IN jack, you can use the Photos/Music function.
3. Select the **Photos** or **Music** input source with using the **PHOTO** or **MUSIC** button on the remote control.

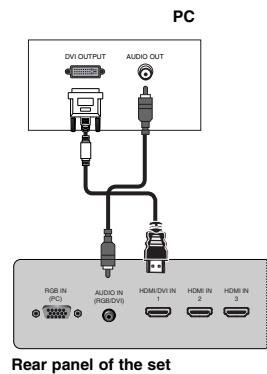
PC Connection

■ When connecting with a D-Sub 15 pin cable



1. Connect the **RGB** output of the PC to the **RGB IN(PC)** jack on the set.
2. Connect the PC audio outputs to the **AUDIO IN (RGB/DVI)** jack on the set.
3. Turn on the PC and the set.
4. Select **VGA** input source with using the **SOURCE** button on the remote control.

■ When connecting with a HDMI to DVI cable



1. Connect the DVI output of the PC to the **HDMI/DVI IN** jack on the set.
2. Connect the PC audio outputs to the **AUDIO IN (RGB/DVI)** jack on the set.
3. Turn on the PC and the set.
4. Select **HDMI 1** input source with using the **SOURCE** button on the remote control.

Resolution

■ PC

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640 x 480	31.469	59.941
800 x 600	37.879	60.317
1024 x 768	48.363	60.004
1280 x 768	47.776	59.870
1360 x 768	47.712	60.015
1366 x 768	47.130	59.650

■ HDMI

	Resolution	Vertical Frequency (Hz)
VIDEO	480/60P	60.000
	720/60P	60.000
	1080/60I	60.000
	1080/60P	60.000
PC	640 x 480	59.940
	800 x 600	61.317
	1024 x 768	60.004
	1280 x 768	59.995
	1360 x 768	60.015
	1366 x 768	59.650

NOTE

- a. The synchronization input form is separated.
 b. If the resolution is not supported, 'Not Support!' message will be displayed.

Basic Operation

Turning On or Off

Standby Setup: The AC power cord must be connected to have the TV in standby mode and ready to be turned on. Press the **ON/OFF** button on the side panel of the TV to go into standby mode.

1. If the TV is in standby mode, press the **POWER** button on the remote or the TV itself to turn the TV on.
2. Press the **POWER** button again on the remote controller or the TV itself to turn the TV off.

Channel Selection

You can select a channel number with the **CH ^ / CH v** button or **NUMBER** buttons.

Volume Adjustment

Press the **VOL+ / VOL-** button to adjust the sound level.

Sound Mute

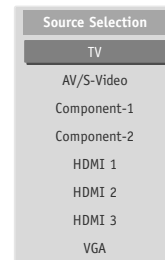
Press the **MUTE** button. The sound is switched off and the mute display appears.
To cancel mute mode, press the **MUTE** or **VOL+ / VOL-** button again.

Quick View

Press the **PRE.CH** button to view the last channel you were watching.

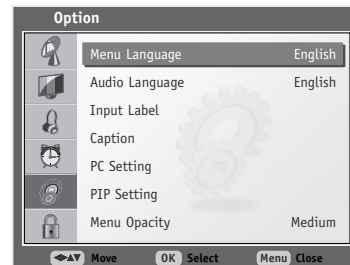
Input Selection

1. Press the **SOURCE** button to display the **Source Selection**.
2. Press the **Down** or **Up** button to select your desired mode.
3. Press the **OK** button to change your selected mode.



Language Selection

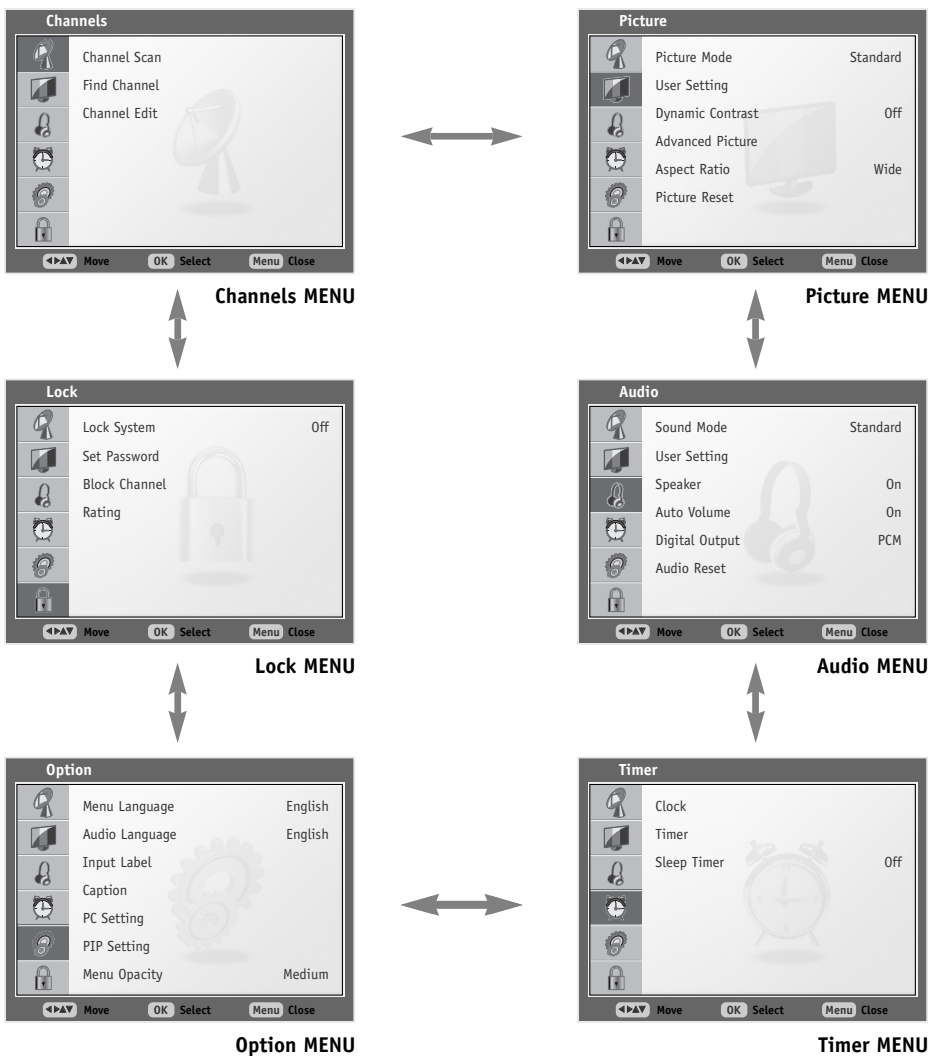
1. Press the **MENU** button and then press the **Down** or **Up** button to select the **Option**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **Menu Language**.
3. Press the **Down** or **Up** button to select your desired language and then press the **OK** button. (Select between English, French, Spanish, German)
4. The on screen menu will then appear in the selected language.



On Screen Menus

Your TV's OSD (On Screen Display) may differ slightly from what is shown in this manual.

1. Press the **MENU** button on enter the on-screen menu and then use either the **Down** or **Up** button to select each sub-menu.
2. Press the **OK** button and then use **Down, Up, Left** and **Right** buttons to navigate to the available menus.

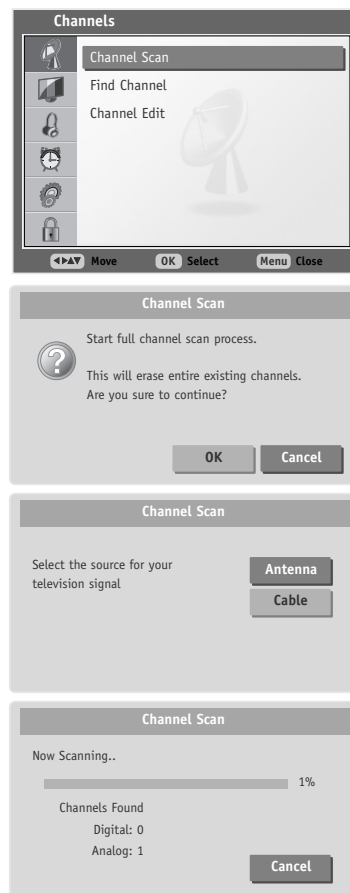


Setting up the TV Channels

Auto Scan

Automatically finds all channels available through the Antenna or Cable and stores them in memory on the channel list.

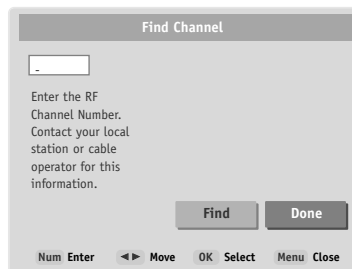
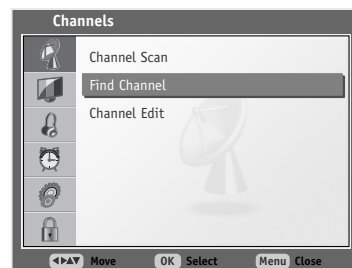
1. Press the **MENU** button and then press the **Down** or **Up** button to select the **Channels**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **Channel Scan**.
3. Press the **OK** button and then press the **Left** or **Right** button to select **OK** or **Cancel**.
4. Press the **OK** button and then press the **Down** or **Up** button to select **Antenna** or **Cable**.
5. Press the **OK** button to start auto search.
The TV will begin memorizing all of the available channels.
6. Select the **Cancel** and then press the **OK** button at any time to interrupt the memorization process.



Find Channel

You can directly enter the channel number you want to find and find the entered channel.

1. Press the **MENU** button and then press the **Down** or **Up** button to select the **Channels**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **Find Channel**.
3. Press the **OK** button and then press the number button to select channel number you want to find.
4. Press the **Left** or **Right** button to select **Find** or **Done**.
If you want to add selected channel, select **Find** with using **Left** button.
Then press the **OK** button. Otherwise select **Done**.
5. Press the **MENU** button to return to the previous menu.



Add / Delete a Channel

You can manually store or remove channels in whatever order you desire. From the default channel list created from the Channel Scan channel search, you can create two different types of channel lists in memory: Channel List and Favorite Channel List.

1. Press the **MENU** button and then press the **Down** or **Up** button to select the **Channels**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **Channel Edit**.
3. Press the **OK** button and then press the **Down** or **Up** button to select channel you want to add or delete.

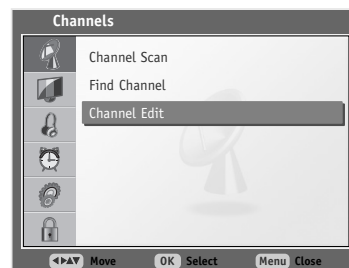
Channel List:

Press the **OK** button to add or delete channel to the Channel List.
When the **DEL** icon is shown, the channel will be deleted.

Favorite Channel List:

Press the **FAV.CH** button to add or delete channel to the Favorite Channel List.
The **FAV** icon will appear.
When the **FAV** icon is displayed, the selected channel is set as favorites.

4. Save the other channels in the same method.
5. Press the **MENU** button to return to the previous menu.



EPG (Electronic Program Guide)

Displays Broadcasting guide of received channel.

1. Press the **EPG** button to display the Electronic Program Guide.
2. To exit the Electronic Program Guide, press the **EPG** button again.



Picture Controls

Auto Picture Controls

Picture Mode adjusts the set for the best picture appearance. Select the preset value in the Picture Mode menu.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Picture Mode**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Mild**, **Standard**, **Dynamic** or **User**, then press the **OK** button.
5. Press the **MENU** button to return to the previous menu.

Mild

Select this option to display with a soft image.

Standard

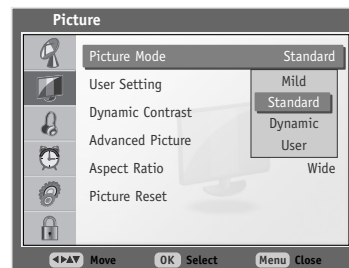
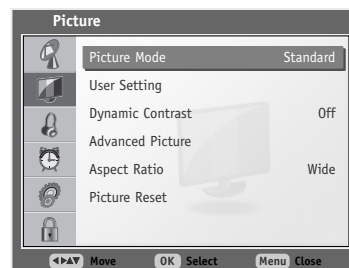
The most general and natural screen display status.

Dynamic

Select this option to display with a sharp image.

User

Select this option to use the user-defined setting.



NOTE

- If you want to select **Picture Mode** directly, press the **PICTURE** button.
- Every time you press the button, it will switch between **Mild**, **Standard**, **Dynamic** or **User**.

Manual Picture Controls

You can adjust picture **Contrast**, **Brightness**, **Color**, **Tint** and **Sharpness** to the levels you prefer.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **User Setting**, then press the **OK** button.
4. Press the **Down** or **Up** button to select desired picture option.
(**Contrast**, **Brightness**, **Color**, **Tint**, **Sharpness**)
5. Press the **OK** button and then press the **Left** or **Right** button to make appropriate adjustments.
6. Press the **MENU** button to return to the previous menu.

Contrast

Adjusts the difference between the light and dark levels in the picture.

Brightness

Increases or decreases amount of white in the your picture.

Color

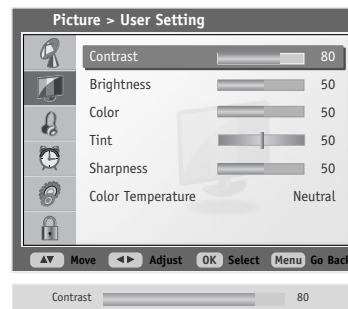
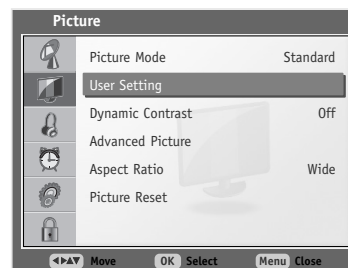
Adjusts intensity of all colors.

Tint

Adjusts the balance between red and green levels.

Sharpness

Adjusts the level of sharpness in the edges between the light and dark areas of the picture. The lower the level, the softer the image.



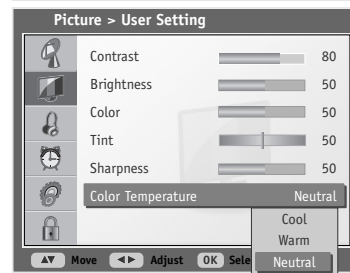
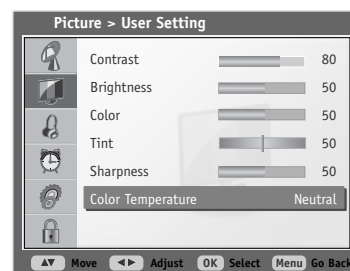
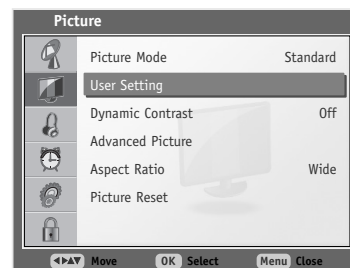
NOTE

- The adjustment of Color, Tint and Sharpness is not allowed when the current source is VGA.

Color Temperature

You can adjust to color temperature you prefer.

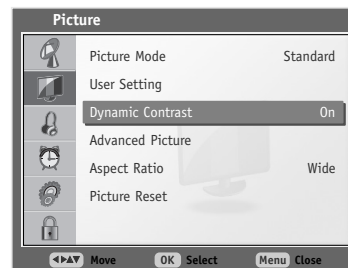
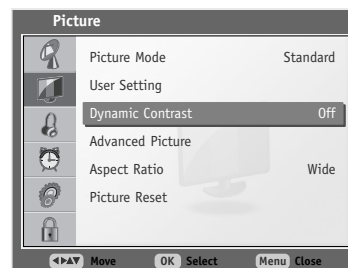
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **User Setting**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Color Temperature**, then press the **OK** button.
5. Press the **Down** or **Up** button to select **Cool**, **Warm** or **Neutral**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.



Dynamic Contrast

Optimizing the contrast automatically according to the video signal.

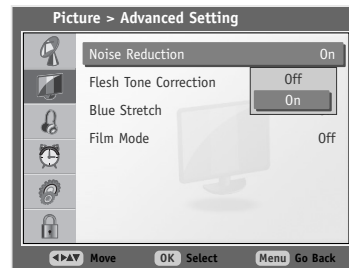
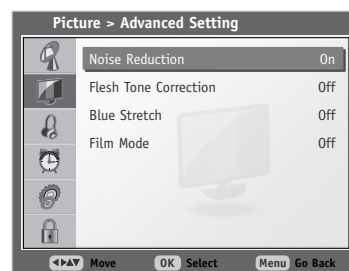
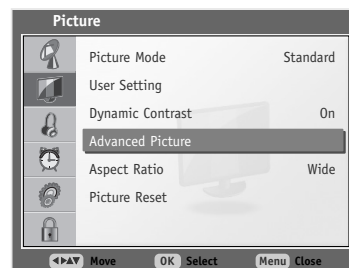
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Dynamic Contrast**.
4. Press the **OK** button to select **On** or **Off**.
5. Press the **MENU** button to return to the previous menu.



Noise Reduction

Use this feature to reduce picture artifacts caused by the digitizing of image motion content that may be present in the picture.

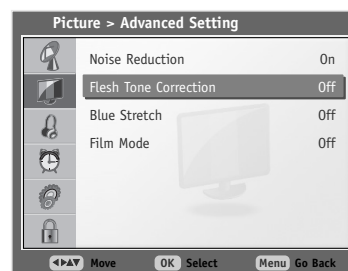
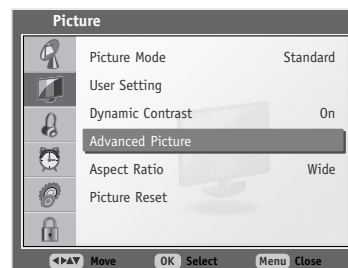
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Advanced Picture**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Noise Reduction**, then press the **OK** button.
5. Press the **Down** or **Up** button to select **Off** or **On**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.



Flesh Tone Correction

In some cases, activation of this feature can result in a more pleasing production of sky and flesh color. For example, the skin color of human will be shown more naturally.

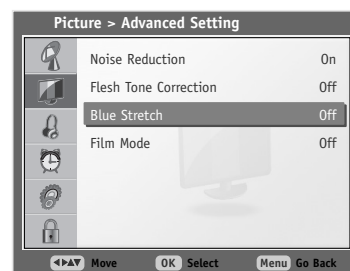
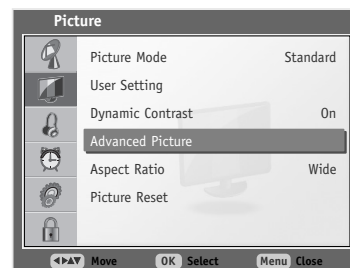
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Advanced Picture**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Flesh Tone Correction**.
5. Press the **OK** button to select **On** or **Off**.
6. Press the **MENU** button to return to the previous menu.



Blue Stretch

This is the function to make the white color look bluer.

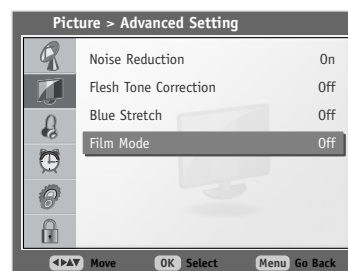
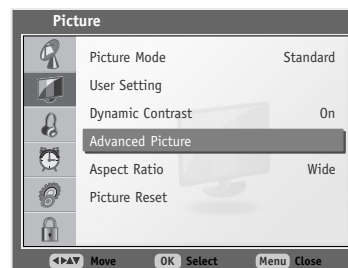
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Advanced Picture**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Blue Stretch**.
5. Press the **OK** button to select **On** or **Off**.
6. Press the **MENU** button to return to the previous menu.



Film Mode

By controlling Film Mode for the screen lag or shaking that can occur during the conversion from movie to TV video signal, you can view the movie in as good condition as master copy through your TV.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Advanced Picture**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Film Mode**.
5. Press the **OK** button to select **On** or **Off**.
6. Press the **MENU** button to return to the previous menu.



Aspect Ratio

You can watch the screen in various picture formats. Screen size selection depends on the type of video input.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Aspect Ratio**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Auto**, **Wide**, **Zoom1** or **Zoom2**, then press the **OK** button.
5. Press the **MENU** button to return to the previous menu.

Auto

When your set receives the wide screen signal, it will change automatically the picture format that has been sent.

Wide

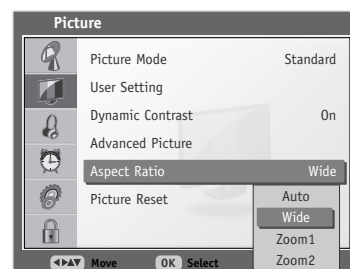
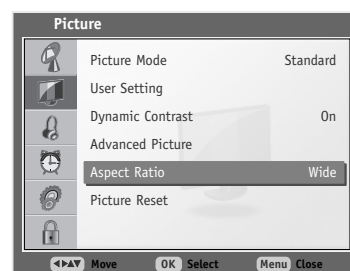
You can enjoy the cinema or general TV program through the 16:9 mode.

ZOOM1

The screen size when Wide screen is vertically enlarged.

ZOOM2

This is the function to enlarge the screen size vertically than ZOOM1.



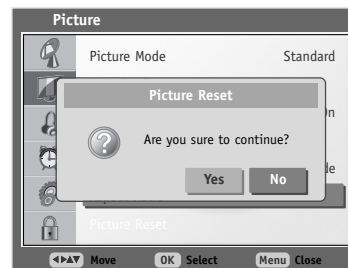
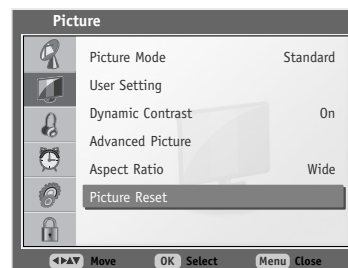
NOTE

- If you want to select **Aspect Ratio** directly, press the **RATIO** button.
- Every time you press the button, it will switch between **Auto**, **Wide**, **Zoom1** or **Zoom2**.

Reset Picture Mode

Use to quickly reset all the Picture menu options to their original factory preset values.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Picture**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Picture Reset**, then press the **OK** button.
4. Confirmation OSD will appear.
If you want to return the picture setting to factory default you can select **OK** button and then press the **OK** button.
5. Press the **MENU** button to return to the previous menu.

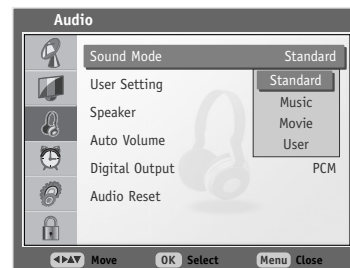
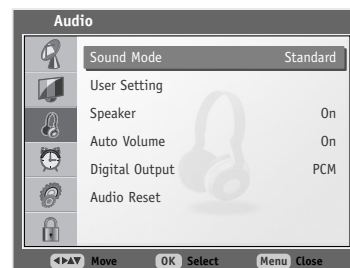


Sound Controls

Auto Sound Controls

This Sound Mode automatically adjusts the sound controls to the recommended settings.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Audio**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Sound Mode**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Standard**, **Music**, **Movie** or **User**, then press the **OK** button.
5. Press the **MENU** button to return to the previous menu.



Standard

The most commanding and natural audio.

Music

Select this option to enjoy the original sound when listening to the music.

Movie

Select this option to enjoy sublime sound.

User

Select this option to manually adjust the audio settings.

NOTE

- If you want to change the **Sound Mode** without entering the menus, press the **SOUND** button.
- Each time you press the button, it will switch between **Standard**, **Music**, **Movie** and **User**.

Manual Sound Controls

This function allows you to manually adjust the audio settings to your preferred levels.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Audio**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **User Setting**, then press the **OK** button.
4. Press the **Down** or **Up** button to select desired picture option.
(**Treble**, **Bass**, **Balance**)
5. Press the **Left** or **Right** button to make appropriate adjustments.
6. Press the **MENU** button to return to the previous menu.

Treble

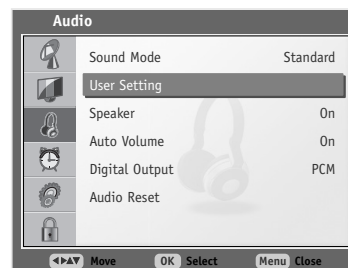
This adjusts the range of the high pitch sound.

Bass

This adjusts the range of the low pitch sound.

Balance

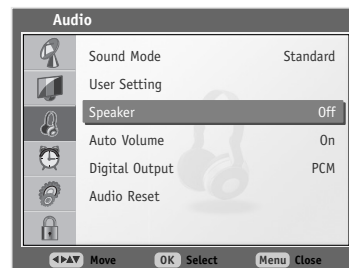
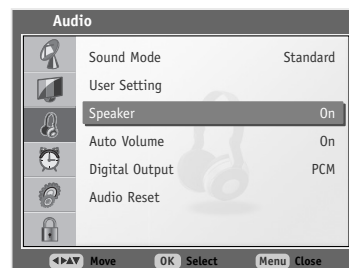
Adjusts the left to right sound balance between the built-in speakers.



Speaker On/Off

Turn the TV speakers off if using external audio equipment. Feature turns the Speaker option On or Off.

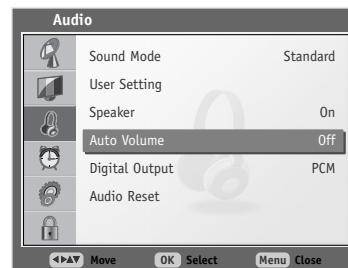
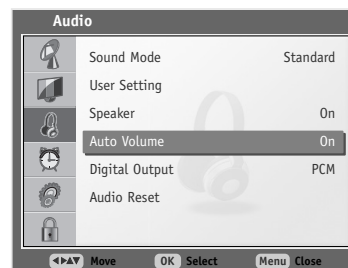
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Audio**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Speaker**.
4. Press the **OK** button to select **On** or **Off**.
5. Press the **MENU** button to return to the previous menu.



Auto Volume Control

This function automatically stabilizes the volume level while changing to channels with different audio levels.

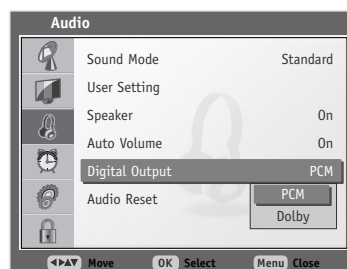
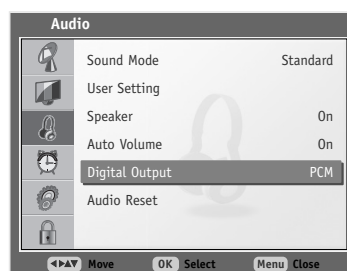
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Audio**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Auto Volume**.
4. Press the **OK** button to select **On** or **Off**.
5. Press the **MENU** button to return to the previous menu.



Digital Output

This option activates Digital Audio Output. This is recommended for use with other devices capable of receiving digital audio signals. (This mode is set to Off by default)

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Audio**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Digital Output**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **PCM** or **Dolby**, then press the **OK** button.
5. Press the **MENU** button to return to the previous menu.




PCM (Pulse-code modulation)

This mode creates a digital representation of an analog signal and is only used with an audio CD signal.

Dolby Digital

Television will output a digital audio signal.

<p><Dolby Digital></p> 	<p>Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.</p>
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Reset Audio Mode

Use to quickly reset all the Audio menu options to their original factory preset values.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Audio**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Audio Reset**, then press the **OK** button.
4. Confirmation OSD will appear.
If you want to return the audio setting to factory default you can select **OK** button and then press the **OK** button.
5. Press the **MENU** button to return to the previous menu.



Stereo/SAP Broadcast Setup

This TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that the station may transmit.

The television will automatically switch to Mono sound if the broadcasted channel is transmitted in Mono. Also, you can manually select Mono if you want to listen to a stereo or SAP broadcasted channel in Mono.

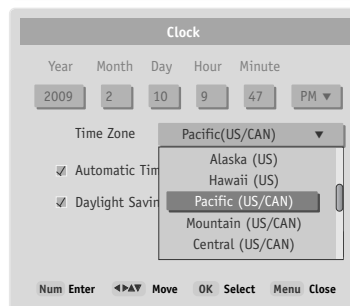
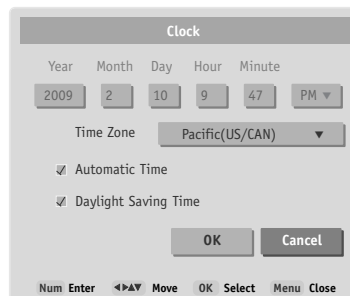
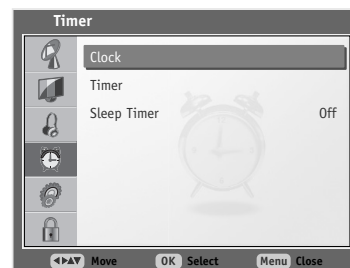
1. Use the **MTS** button to select your desired MTS mode in analog signal.
Each time you press the **MTS** button, Mono, Stereo, or SAP appear in turn.
If other languages available on the digital signal, select them with the **MTS** button.
2. Press **EXIT** button to save and return to TV viewing.

Time Setting

Auto Time Setting

The time is set automatically from a digital channel signal. The digital channel signal includes information for the current time provided by the broadcasting station. Set the time manually if the current time is set incorrectly by the Auto Synchronization function.

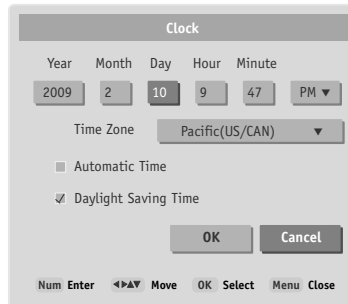
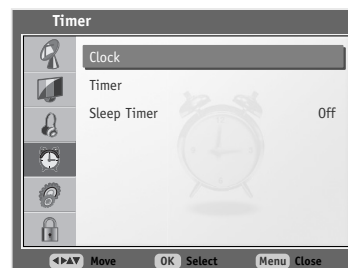
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Timer**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Clock**, then press the **OK** button.
4. Press the **Up** button to select **Time Zone**, then press the **OK** button.
5. Press the **Down** or **Up** button to select your viewing area time zone, then press the **OK** button.
(Alaska, Hawaii, Pacific, Mountain, Central, Eastern, Atlantic, Newfoundland, Samoa)
6. Press the **Down** or **Up** button to select **Automatic Time**, then press the **OK** button.
7. Press the **Down** or **Up** button to select **Daylight Saving Time**, then press the **OK** button, depending on whether or not your viewing area observes Daylight Saving Time.
8. Press the **Left** or **Right** button to select **OK** or **Cancel**, then press the **OK** button.
If you want to save the setting, select **OK** and if not, select **Cancel**.
9. Press the **MENU** button to return to the previous menu.



Manual Time Setting

If the current time setting is wrong, this function allows you to set the clock manually.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Timer**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Clock**, then press the **OK** button.
4. Press the **Left** or **Right** button to select either the Year, Month, Day, Hour or Minute option. Once selected, use the number button to set the Year, Month, Day, Hour and Minute options.
5. Press the **Left** or **Right** button to select AM/PM, then press the **OK** button.
6. Press the **Down** or **Up** button to select **AM** or **PM**, then press the **OK** button.
7. Press the **Left** or **Right** button to select **OK** or **Cancel**, then press the **OK** button. If you want to save the setting, select **OK** and if not, select **Cancel**.
8. Press the **MENU** button to return to the previous menu.



NOTE

- If **Automatic Time** is marked, **Year, Month, Day, Hour** and **Minute** are cannot be adjusted.
-

Auto On/Off Time Setting

The timer function operates only if the current time has been set. The TV turns on automatically with the Timer function.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Timer**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Timer**, then press the **OK** button.
4. Press the **Left** or **Right** button to select day option. Once selected, use the **OK** button to set the day.
5. Press the **Down** or **Up** button to select **Time On, On Time, Source/Channel** or **Off Time**.

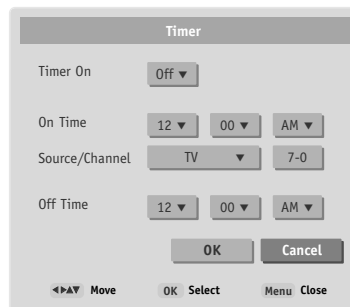
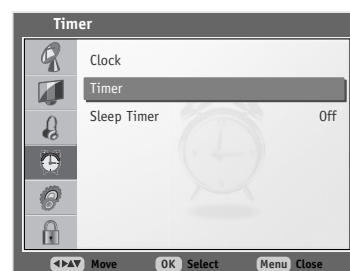
Time On: Set the Timer function On or Off.

On Time: Set the start time at turn-on.

Source/Channel: Set the source and channel at turn-on.

Off Time: Set the start time at turn-off.

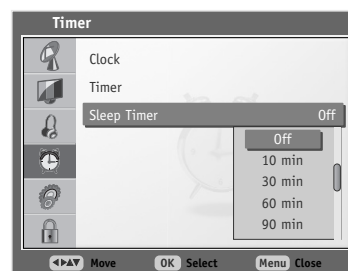
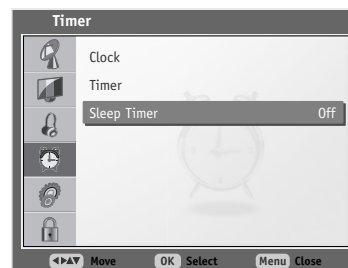
6. Press the **Left** or **Right** button to move the position and then press the **OK** button.
7. Once selected, use the **Down** or **Up** buttons to set the On Time, Source/Channel or Off Time, then press the **OK** button.
8. Press the **Left** or **Right** button to select **OK** or **Cancel**.
9. Press the **MENU** button to return to the previous menu.



Sleep Timer

The sleep timer automatically switches the set to standby after the preset time elapses.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Timer**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Sleep Timer**, then press the **OK** button.
4. Press the **Down** or **Up** button to select desired sleep time, then press the **OK** button.
The timer begins to count down from the number of minutes selected.
5. Press the **MENU** button to return to the previous menu.



NOTE

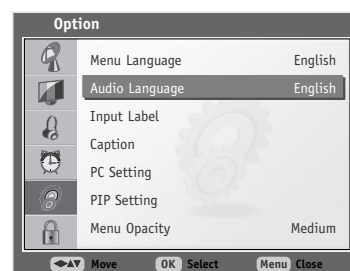
- If you want to select **Sleep Timer** directly, press the **SLEEP** button.
- Every time you press the button, it will switch between **Off, 10, 30, 60, 90** and **120**.

Option Menus

Audio Language

Other languages may be available if a digital signal is provided by the broadcasting station.

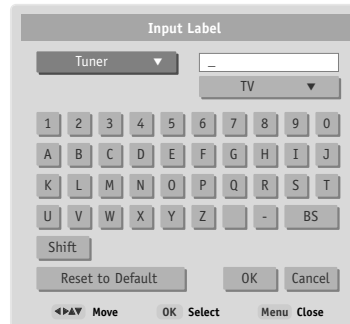
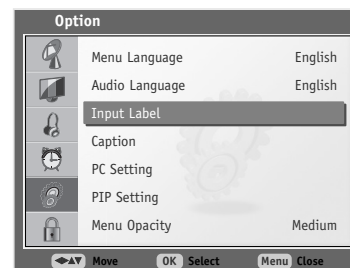
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Option**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Audio Language**, then press the **OK** button.
4. Press the **Down** or **Up** button to select your desired language and then press the **OK** button.
(Select between English, French, Spanish, German, Korean, Chinese, Japanese)
5. Press the **MENU** button to return to the previous menu.



Input Label

Sets a label to each input source which is not in use when you press SOURCE button.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Option**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Input Label**, then press the **OK** button.
4. Press the **Down** or **Up** button to select the input source to rename, then press the **OK** button.
5. Press the **Down** button to select the predefined name and then press the **OK** button.
6. Or when you want to directly rename it yourself, press the **Down** or **Up** or **Left** or **Right** button, select the characters shown on the screen and press the **OK** button.
7. Press the **Left** or **Right** button to select **OK** or **Cancel**. If you want to confirm the assigned new name, select **OK**. Then press the **OK** button. Otherwise select **Cancel**.
8. Press the **MENU** button to return to the previous menu.



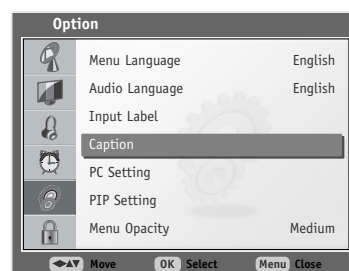
NOTE

- When you want to enter lower case characters, select the **Shift** button and then select the character you want after pressing the **OK** button
- If you want to reset the entered character, select the **Reset to Default** button and then the **OK** button.
- If you want to delete the entered character, select the **BS** button and then press the **OK** button.

Caption Mode

Caption must be provided to help people with hearing loss watch TV.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Option**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Caption**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Display**, then press the **OK** button.
5. Press the **Down** or **Up** button to select **On** or **Off**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.



NOTE

- If you want to select **Caption** directly, press the **CC** button.

Closed Caption-Analog

The Analog Caption function operates when watching regular analog channels. Analog caption displays information at any position on the screen and is usually the program's dialog.

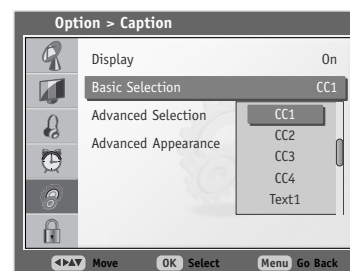
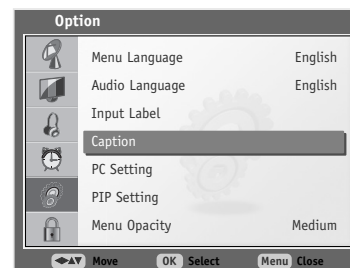
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Option**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Caption**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Basic Selection**, then press the **OK** button.
5. Press the **Down** or **Up** button repeatedly to select **CC1**, **CC2**, **CC3**, **CC4**, **Text1**, **Text2**, **Text3** or **Text4**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.

Caption

The term for the words that scroll across the bottom of the TV screen; usually the audio portion of the program provided for the hearing impaired.

TEXT

The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.



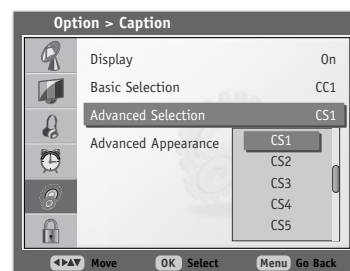
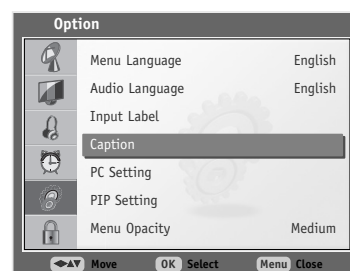
NOTE

- If you want to select **Caption** directly, press the **CC** button.

Closed Caption-Digital

The Digital Caption function only operates on digital channels. Choose the language you want the DTV captions to appear in.

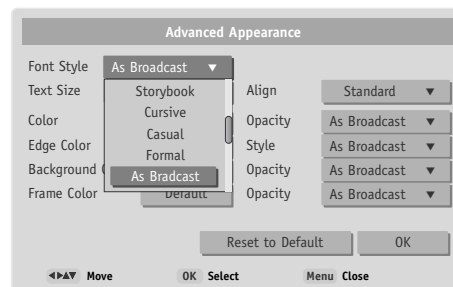
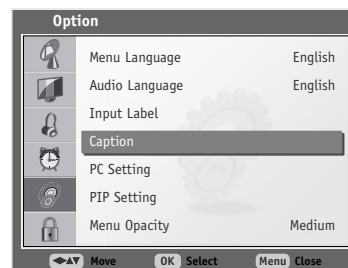
1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Option**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Caption**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Advanced Selection**, then press the **OK** button.
5. Press the **Down** or **Up** button repeatedly to select **CS1**, **CS2**, **CS3**, **CS4**, **CS5** or **CS6**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.



Closed Caption Options

Customize the DTV captions that appear on your screen.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Option**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Caption**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Advanced Appearance**, then press the **OK** button.
5. Press the **Down** or **Up** or **Left** or **Right** button to select desired caption option.
(**Font Style**, **Text Size**, **Align**, **Color**, **Color Opacity**, **Edge Color**, **Edge Color Style**, **Background Color**, **Background Color Opacity**, **Frame Color**, **Frame Color Opacity**)
6. Press the **Down** or **Up** button and then press the **OK** button to customize your preference.
7. To complete the setting, press the **Down** or **Up** or **Left** or **Right** button, select **OK** button and then press the **OK** button.
8. Press the **MENU** button to return to the previous menu.



NOTE

- If caption options are selected to **As Broadcast**, Caption Options are cannot be adjusted.
- If you select the **Reset to Default**, reset all the caption options to their original factory preset values.

Font Style

Select a typeface for the words.

Text Size

Set the size the words will appear in.

Text Align

Select an align for the words.

Text Color

Choose a color for the text.

Text Opacity

Select the opacity for the text color.

Edge Color

Select a color for the edges.

Edge Style

Select an edge type.

Background Color

Select a background color.

Background Opacity

Select the opacity for the background color.

Frame Color

Select a color for the frame.

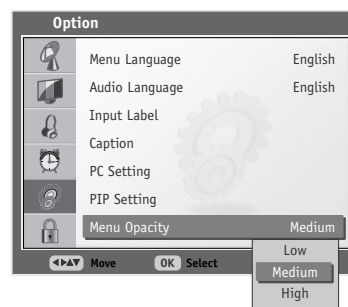
Frame Opacity

Select the opacity for the frame.

Menu Opacity

You can set the transparency of the menu box.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Option**, then press the **OK** button.
3. Press the **Down** or **Up** button to select **Menu Opacity**, then press the **OK** button.
4. Press the **Down** or **Up** button to select **Low**, **Medium** or **High**, then press the **OK** button.
5. Press the **MENU** button to return to the previous menu.



Parental Control

Enter your password

Parental Control can be used to block specific channels, ratings and other viewing sources. Set up blocking schemes to block specific channels, ratings, and external viewing sources. A password is required to gain access to this menu.

1. Press the **MENU** button to display the menu.
2. Press the **Down** or **Up** buttons to select the **Lock**, then press the **OK** button.
3. Enter password as requested.
The TV is set up with the initial password "0-0-0-0".



Lock System

Enables or disables the blocking scheme you set up previously.

1. After inputting the password, press the **Down** or **Up** button to choose **Lock System**.
2. Press the **OK** button to select **On** or **Off**.
When you select **On**, the Lock menus are enable.
3. Press the **MENU** button to return to the previous menu.



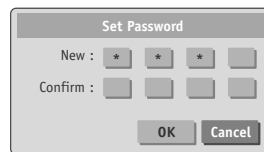
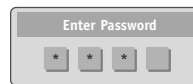
NOTE

- When **Lock System** is **On**, you cannot use the PIP function.

Set Password

Change the password by inputting a new password twice.

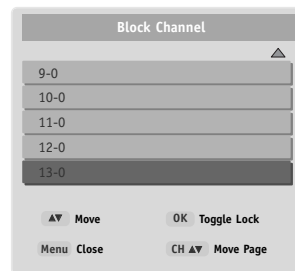
1. After inputting the password, press the **Down** or **Up** button to select **Set Password**.
2. Press the **OK** button and then re-enter the same 4 digits.
3. Select any 4 digits for your new password and enter the them on the **New**.
4. As soon as the 4 digits are entered, re-enter the same 4 digits on the **Confirm**.
5. Press the **Left** or **Right** button to select **OK**, then press the **OK** button.
Then your changed password has been memorized.
6. Press the **MENU** button to return to the previous menu.



Channel Blocking

Blocks any channels that you do not want to watch or that you do not want your children to watch.

1. After inputting the password, press the **Down** or **Up** button to choose **Block Channel**. Then display a list of all channels.
2. Press the **Down** or **Up** button to select a channel and then press the **OK** button to block or unblock it.
3. Press the **MENU** button to return to the previous menu.



TV Ratings for USA

Prevents children from watching certain TV programs, according to the rating limits set. The children rating will not apply to TV programs until you select the ratings you want to be blocked.

1. After inputting the password, press the **Down** or **Up** button to choose **Rating**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **USA - TV**.
3. Press the **OK** button.
4. Press the **Down** or **Up** or **Left** or **Right** buttons to choose and **OK** button to set up the menu options for USA TV Ratings.
5. Press the **Left** or **Right** or **Down** or **Up** button to select **OK**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.



NOTE

- When you select **Lock All**, all options will be locked and when you select **Unlock All**, all options will be unlocked.

TV (FCC) Age Categories

TV-MA

Mature audiences only.
This program may contain mature themes, profane language, graphic violence and explicit sexual content.

TV-14

Parents strongly cautioned.
This program may contain sophisticated themes, sexual content, strong language and more intense violence.

TV-PG

Parental guidance suggested.
The program may contain infrequent coarse language, limited violence, some suggestive sexual dialog and situations.

TV-G

General audience.
This contains little or no violence, no strong language, and little or no sexual dialog or situations.

TV-Y7

Directed for older children.
Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of seven.

TV-Y

All children.
The themes and elements in this program are specifically designed for a very young audience, including children from ages two – six.

TV (FCC) Content Sub-Categories:

- D:** Dialog...sexual innuendo.
- L:** Offensive language.
- S:** Sexual Situation
- V:** Violence.
- FV:** Fantasy or cartoon violence.

Movie Ratings

Blocks movies according to the movie ratings limits specified so children cannot view certain movies. Applies to movies broadcasted on TV and allows you to select which ratings you want blocked.

1. After inputting the password, press the **Down** or **Up** button to choose **Rating**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **USA - Movie**.
3. Press the **OK** button.
4. Press the **Down** or **Up** buttons to choose and **OK** button to set up the menu options for USA Movie Ratings.
5. Press the **Down** or **Up** button to select **OK**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.

The MPAA Rating System (Movies)

G
General Audience.

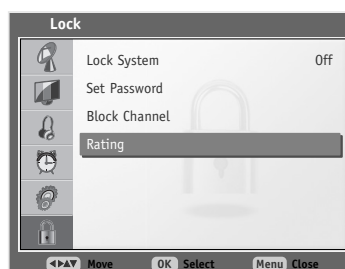
PG
Parental guidance suggested.

PG-13
Parents strongly cautioned.

R
Restricted.

NC-17
No one 17 and under admitted.

X
Adults only.



NOTE

- If you set PG-13 : G and PG movies will be available, PG-13, R, NC-17 and X will be blocked.

TV Rating English for Canada

Selecting canadian english language rating system.

1. After inputting the password, press the **Down** or **Up** button to choose **Rating**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **Canada - English**.
3. Press the **OK** button.
4. Press the **Down** or **Up** buttons to choose and **OK** button to set up the menu options for Canadian English Ratings.
5. Press the **Down** or **Up** button to select **OK**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.

Canadian English Ratings

C
Children

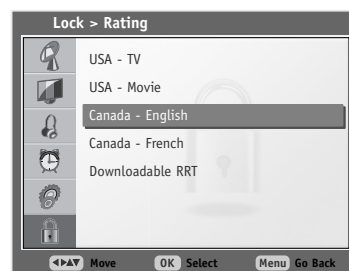
C8+
Children eight years and older

G
General programming, suitable for all audiences

PG
Parental Guidance

14+
Viewers 14 years and older

18+
Adult programming



TV Rating French for Canada

Selecting canadian french language rating system.

1. After inputting the password, press the **Down** or **Up** button to choose **Rating**.
2. Press the **OK** button and then press the **Down** or **Up** button to select **Canada - French**.
3. Press the **OK** button.
4. Press the **Down** or **Up** buttons to choose and **OK** button to set up the menu options for Canadian French Ratings.
5. Press the **Down** or **Up** button to select **OK**, then press the **OK** button.
6. Press the **MENU** button to return to the previous menu.

Canadian French Ratings

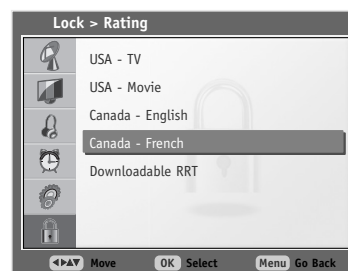
G
General

8 ans+
General-Not convenient for little children

13 ans+
Not convenient for children of 13 years and younger

16 ans+
Not convenient for children of 16 years and younger

18 ans+
This programs is only for adult



Specification

Model		KPP-50SAT
Dimension (Width x Height x Depth)	Without Stand	1241.0 mm (48.86") x 841.0 mm (33.11") x 399.0 mm (15.71")
	With Stand	1241.0 mm (48.86") x 900.0 mm (35.43") x 774.0 mm (30.47")
Weight (kg / lbs)	Without Stand	45.0 kg (99.20 lbs)
	With Stand	50.3 kg (110.89 lbs)
Broadcast Signal System		ATSC / NTSC
Contrast Ratio		30,000:1
Brightness		1,500 cd/m ²
Power Rating		AC100-240V ~50/60Hz
Consumption		430W
Audio Output		10W + 10W
Operating Temperature		0°C ~ 40°C
Accessories		<ul style="list-style-type: none"> • Batteries & Remote • Owner's Manual • Power Cord • Plug Adaptor(UL to VDE)
External Port		<ul style="list-style-type: none"> • 3 x HDMI • USB IN • RGB IN (PC) • DIGITAL AUDIO OUT (OPTICAL) • AUDIO IN (RGB / DVI) • ANTENNA / CABLE IN • AV IN • AC IN • S-VIDEO • SERVICE • COMPONENT 1 • COMPONENT 2

• The Specification shown above may be changed without prior notice for quality important.

Troubleshooting

Problem	Solution
No picture on screen.	<ul style="list-style-type: none">• Check whether the set is turned on.• Make sure the power cord is plugged into the wall.• Test if there is power coming from the wall outlet by plugging in another product into the same wall outlet where the set's power cord was plugged in.
The remote control doesn't work.	<ul style="list-style-type: none">• Check to see if there is any object between the set and the remote control causing obstruction.• Check to see if the batteries are installed with the correct polarities.• Install new batteries.
Picture appears slowly, after switching on.	<ul style="list-style-type: none">• This is normal as the image is muted during the start up process of the set. Please contact your service center, if the picture has not appeared after five minutes.
No or Poor color	<ul style="list-style-type: none">• Select color in the Picture menu and press the Left or Right button.
Horizontal/Vertical bars or picture shaking	<ul style="list-style-type: none">• Check for local interference such as a nearby electrical appliance or power tool.
Unusual sound from inside the set.	<ul style="list-style-type: none">• A change in ambient humidity or temperature may result in an unusual noise at the time of switching off or on of the set and does not indicate a fault with the set.

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.



 **CEA**
Consumer Electronics Association
www.CE.org/safety

**|HCT|
LIMITED WARRANTY**

HCT will repair or at its option, replace without charge, your product which proves to be defective in material or workmanship under normal use, during the warranty period listed below from the date of original purchase.

MODEL No.

Warranty Period

1 Year

No other expressed warranty is applicable to this product.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESSED WARRANTY HEREIN. HCT SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGE DIRECT OR CONSEQUENTIAL ARISING OUT OF THE USE OF OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusion or limitation of incidental consequential damage or limitations on how long an implied warranty lasts; so these limitations or exclusions may not apply to you.

This warranty gives you specific legal right and you may also have other rights which vary from state to state.

THE ABOVE WARRANTY DOES NOT APPLY:

- Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by HCT to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed.
- Damages that occurs in shipment, due to act of God, and cosmetic damage.
- Signal reception problems and failures due to line power surge.
- Products used for commercial purposes (including but not limited to rental).
- Accessories
- To service calls, which do not involve defective workmanship or material such as, head cleaning and explaining the operation of the unit.

Therefore, these costs should be paid by the customer.

AFTER THE WARRANTY

Please contact HCT's Customer Support to obtain the cost of out of warranty repair or replacement.

For customer use:

Enter below the Model No. which is located either on the rear, bottom or side of the cabinet.

Retain this information for future reference.

Model No.: _____ Serial No.: _____

Purchase date: _____ Name of shop: _____

|HCT|

P/NO : 3350GDKM0094A
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