

APPENDIX H
: USER'S MANUAL

PLASMA TV

OWNER'S MANUAL

PT32U44H

**Please read this manual carefully before operating your set.
Retain it for future reference.**

WARNING / CAUTION



WARNING/CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER 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 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 appliance.

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.

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.

Caution

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

Important Safety Instructions

Your product has been manufactured and tested with your safety in mind.

However, improper use can result in potential electrical shock or fire hazards.

To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference.

Observing the simple precautions discussed in this operating guide can help you get many years of enjoyment and safe operation that are built into your new product.

This product complies with all applicable U.S. Federal regulations and voluntary safety standards.

The following safety instructions shall be included where applicable, and, when used, shall be verbatim as follows.

1. Do not use this apparatus near water.
2. Clean only with dry cloth.
3. Do not block any ventilation openings.
Install in accordance with the manufacturer's instructions.
4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
5. 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.
6. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
7. Only use attachments/accessories specified by the manufacturer.
8. Unplug this apparatus when unused for long periods of time.
9. 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.
10. Never touch this apparatus or antenna during a thunder or lightning storm.
11. Do not allow an impact shock or any objects to fall into the product, and do not drop onto the screen with something. (You may be injured or the product can be damaged.)
12. 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 exposed to rain or moisture, does not operate normally, or has been dropped.

Important Safety Instructions

13. CAUTION concerning the Power Cord :

Most appliances recommend they be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits.

Check the specification page of this owner's manual to be certain.

Do not overload wall outlets.

Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous.

Any of these conditions could result in electric shock or fire.

Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer.

Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon.

Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

14. Outdoor use marking :

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

15. Wet Location Marking :

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on or over apparatus.

16. GROUNDING

Ensure that you connect the earth ground wire to prevent possible electric shock.

If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

Do not try to ground the unit by connecting it to telephone wires, lightning rods, or gas pipes.

17. DISCONNECTING DEVICE FROM MAINS

Mains plug is the disconnecting device.

The plug must remain readily operable.

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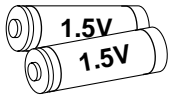
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Accessories

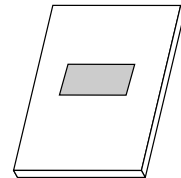
Supplied Accessories



Batteries



Power cord

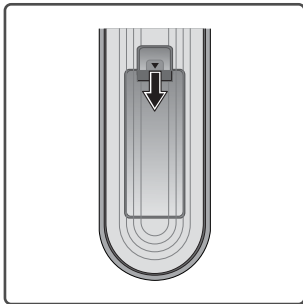


Owner's Manual



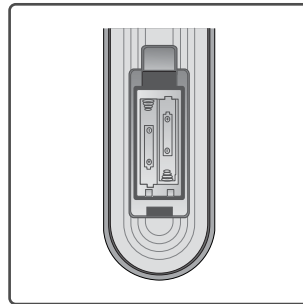
Remote Control

Installing Batteries



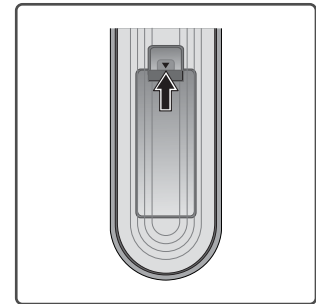
1

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.

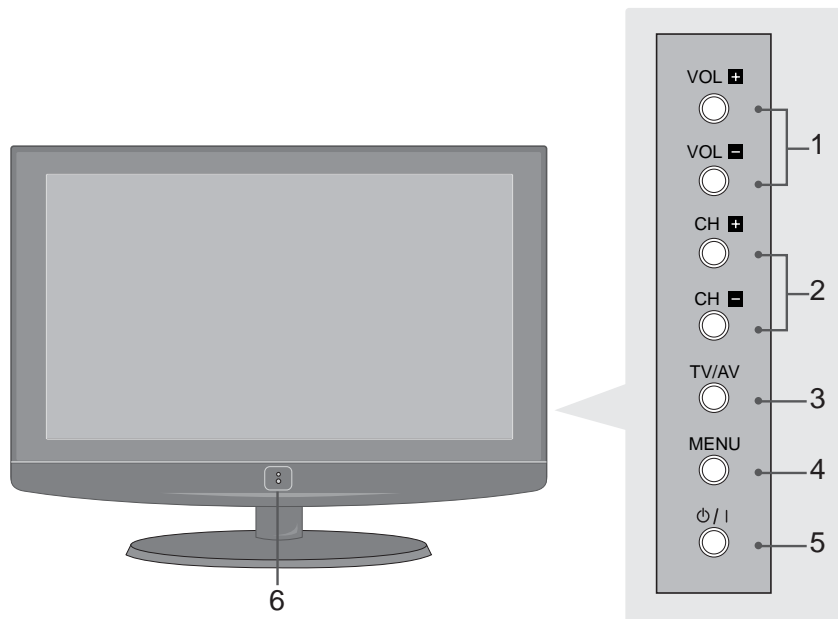


3

Close the battery cover.

Controls

Front Panel



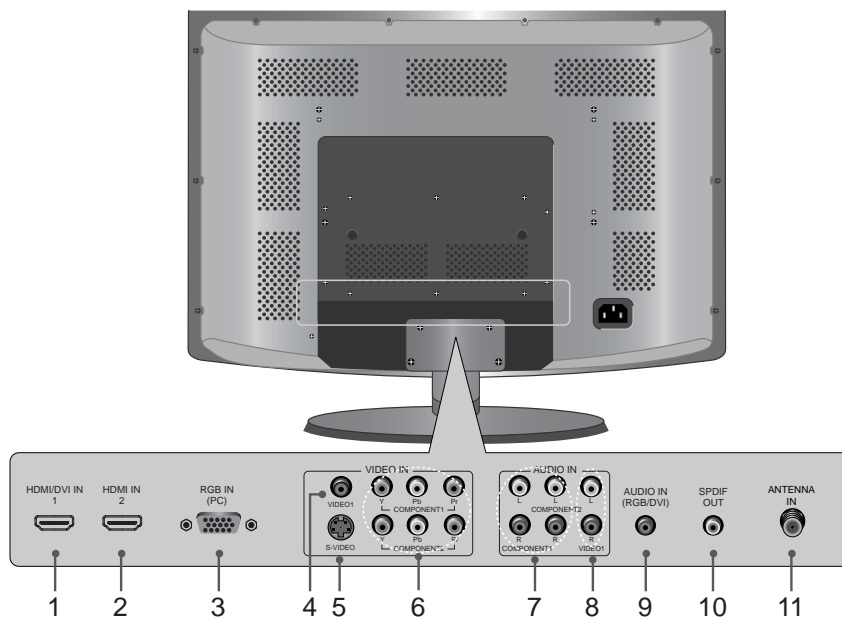
- 1. VOL + / VOL -**
Adjusts menu settings.
Selects menu item.
- 2. CH + / CH -**
Select a channel.
- 3. TV/AV**
Selects the **TV**, **AV**, **S-Video**, **YPbPr1**, **YPbPr2**, **VGA**, **HDMI1** or **HDMI2** mode.
- 4. MENU**
Display on screen menus.
- 5. POWER**
Switches the set on or off.
- 6. Power 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.

Controls

Rear Panel



1. HDMI/DVI1 IN

Connect to the HDMI jack for device with HDMI output.

This input can also be used as a DVI connection with separate analog audio inputs.

2. HDMI2 IN

Connect to the HDMI jack for device with HDMI output.

3. RGB IN (PC)

Connect to the video output jack on your PC.

4. VIDEO IN

Connect video output from an external device to these jack.

5. S-VIDEO

Connect the output of an S -VIDEO VCR to the S-VIDEO input.

6. COMPONENT1 / COMPONENT2 VIDEO IN

Video inputs for Component.

7. COMPONENT1 / COMPONENT2 AUDIO IN

Audio inputs for Component.

8. A/V IN

RCA audio signals from the TV to an external source, such as Audio equipment.

9. AUDIO IN (RGB/DVI)

Connect to the audio output jack on your PC.

10.SPDIFF OUT

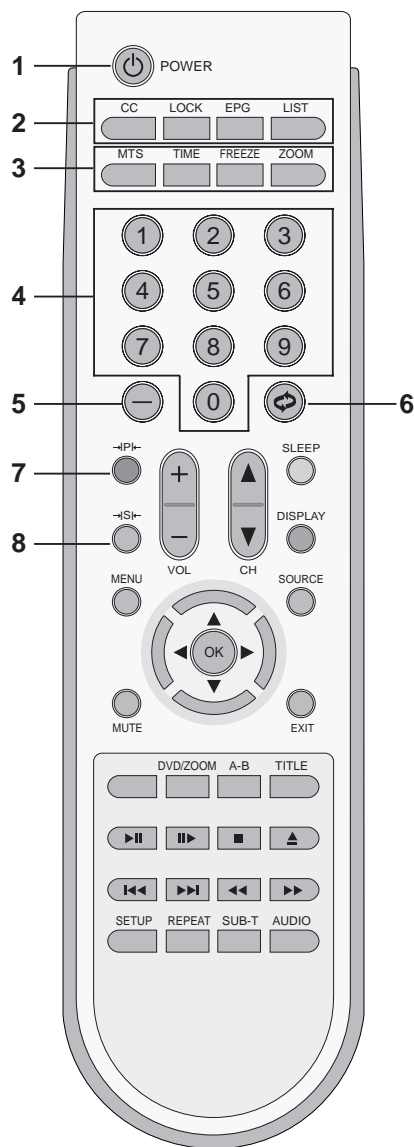
Connect digital audio to various types of equipment.


11.ANTENNA IN

Connect to your aerial for TV signal.

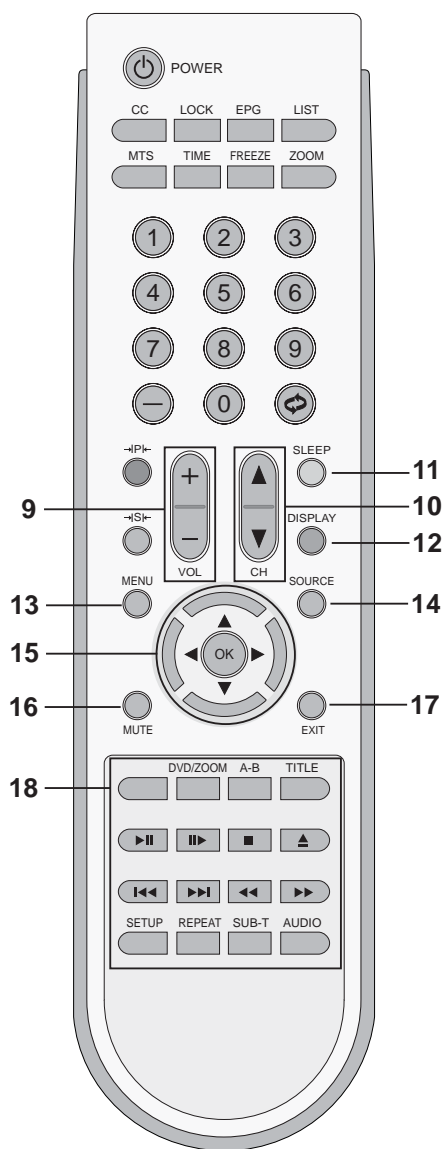
Controls

Remote Control



- 1. POWER**
Switches the set on or off.
- 2. CC**
Select the Caption menu directly.
LOCK
Select the Parental menu directly.
EPG
Displays the program guide.
LIST
Displays the channel list.
- 3. MTS**
Select MTS sound : Mono, Stereo and SAP analog mode.
Change the audio language DTV mode.
TIME
Display the current time.
FREEZE
You can pause the screen you are viewing.
ZOOM
Selects your desired picture format.
- 4. NUMBER BUTTONS**
Selects channel numbers.
- 5. Hyphen(—)**
Press to select DTV channels.
For example, to select channel '10-1', press '10' then press '—' and '1'.
- 6.** 
Switch to the previous channel number.
- 7. -IPI-**
Recalls your preferred picture setting.
- 8. -IS|-**
Recalls your preferred sound setting.

Controls



9. VOL+ / VOL-
Adjusts sound level.

10.CH+ / CH-
Select a channel.

11.SLEEP
Sets the sleep timer.

12.DISPLAY
Shows the present screen information.

13.MENU
Display on screen menus.

14.SOURCE
Selects the **TV, AV, S-Video, YPbPr1, YPbPr2, VGA, HDMI1** or **HDMI2** mode.

15.▲/▼/◀/▶
Adjusts menu settings.
Selects menu item.

OK
Accepts your selection or displays the present screen information.

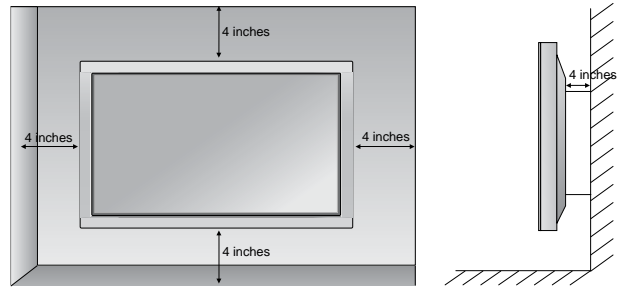
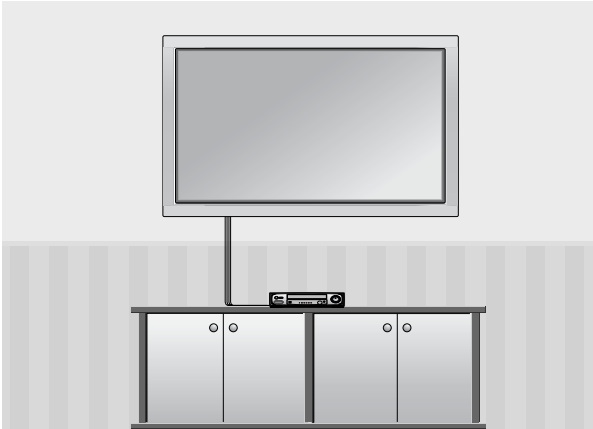
16.MUTE
Switches the sound on or off.

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

18.DVD buttons
Controls DVD players.
Can not use in this model.

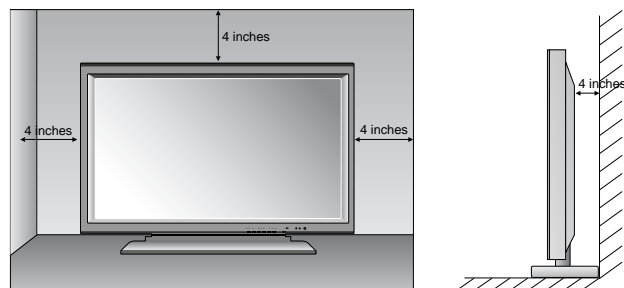
Installation

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.

Desktop Pedestal Installation

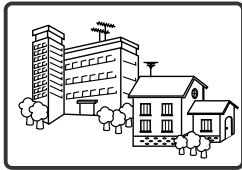


The set can be mounted on a desk as shown above.
For proper ventilation, allow a clearance of 4 inches on each side from the wall.
Detailed instructions are available from your dealer, refer to the optional Desktop Stand Installation and Setup Guide.

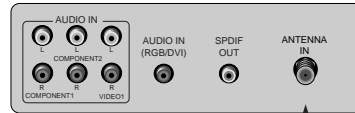
Connections

Antenna Connection

Multi-family Dwellings/ Apartments
(Connect to wall antenna socket)

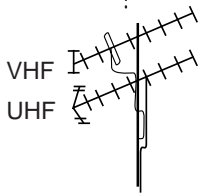


Wall Antenna Socket



RF Coaxial Wire (75 ohm)

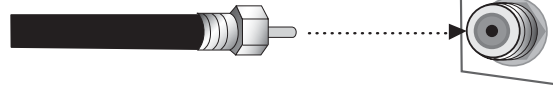
Turn clockwise to tighten.



Outdoor Antenna



Single-family Dwellings /Houses
(Connect to wall jack for outdoor antenna)

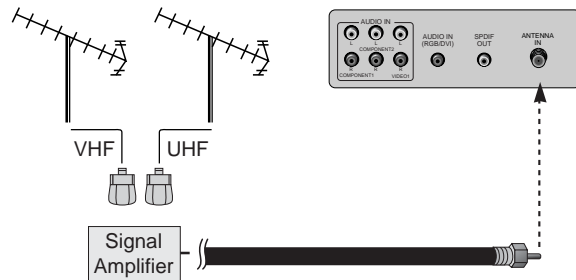


Be careful not to bend the bronze wire when connecting to an antenna port.

* Separately purchase a RF Coaxial Wire(75 ohm)

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.

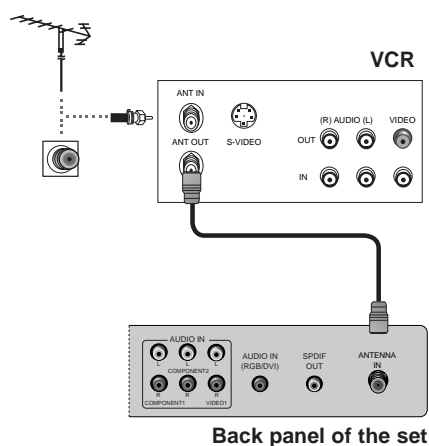


Connections

VCR Connection

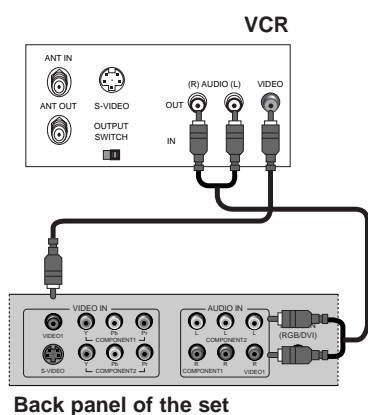
- When connecting the TV to VCR, matches the jack colors.
- Typically a frozen still picture from a VCR. If the 4:3 picture format is used : the fixed images on the sides of the screen may remain visible on the screen.
- To avoid picture noise (interface), leaves an adequate distance between the TV and 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 **PLAY** button on the VCR and match the appropriate channel between the TV and VCR for viewing.

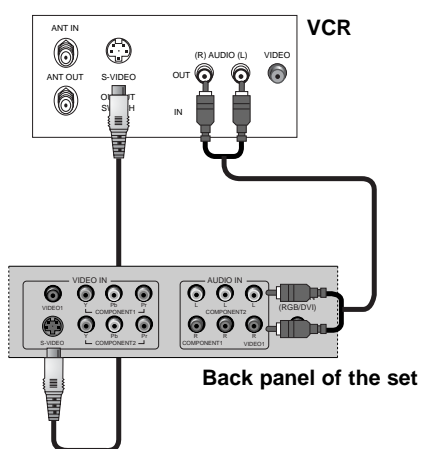
■ When connecting with a RCA cable



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** input source with using the **SOURCE** button on the remote control.
4. Refer to the VCR manual for operating instructions.

Connections

■ When connecting with a S-Video cable

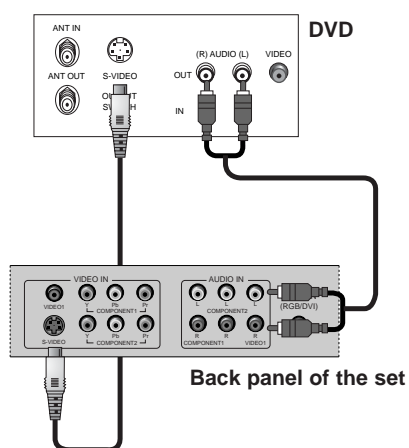


1. Connect the S-VIDEO output of the VCR to the S-VIDEO input on the set. The picture quality is improved; compared to normal composite (RCA cable) input.
2. Connect the audio outputs of the VCR to the **VIDEO1 AUDIO L, R** input jacks on the set.
3. Insert a video tape into the VCR and press **PLAY** on the VCR.
4. Select the **S-Video** input source with using the **SOURCE** button on the remote control.
5. Refer to the VCR manual for operating instructions.

Connections

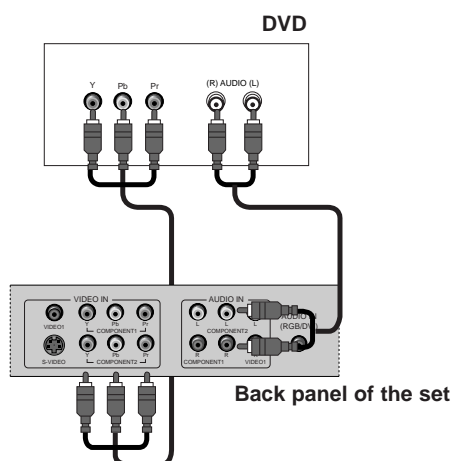
DVD Connection

■ 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 **VIDEO1 AUDIO L, R** input jacks on the set.
3. Turn on the DVD player, insert a DVD.
4. Select **S-Video** input source with using the **SOURCE** button on the remote control.
5. Refer to the DVD player's manual for operating instructions.

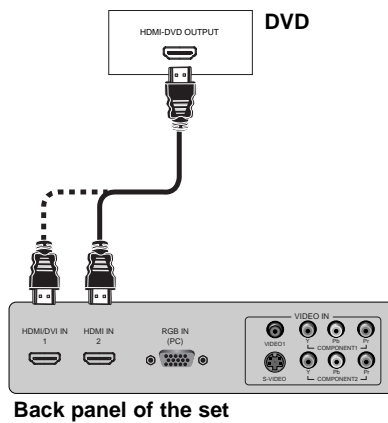
■ When connecting with a Component cable



1. Connect the video outputs (Y, Pb, Pr) of the DVD to the **COMPONENT1 VIDEO(Y, Pb, Pr)** or **COMPONENT2 VIDEO(Y, Pb, Pr)** 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 **YPbPr** or **YPbPr2** source with using the **SOURCE** button on the remote control.
5. Refer to the DVD player's manual for operating instructions.

Connections

■ When connecting with a HDMI cable



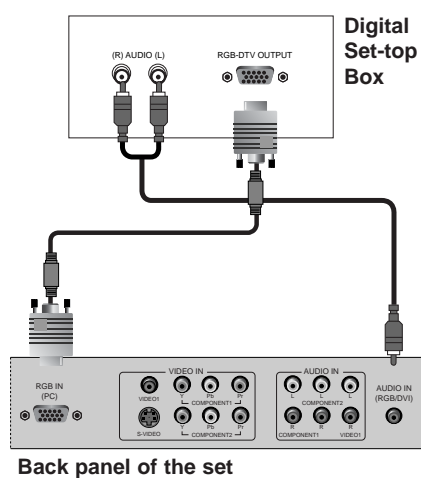
1. Connect the **HDMI** output of the DVD to the **HDMI/DVI1 IN** or **HDMI2 IN** jack on the set.
2. Select **HDMI1** or **HDMI2** input source with using the **SOURCE** button on the remote control.
3. Refer to the DVD player's manual for operating instructions.

Connections

HDSTB Connection

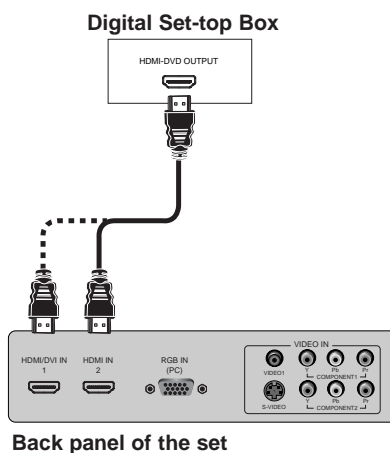
- This TV can receive Digital Over-the-air/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the figure as shown below.

■ 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 **PC** input source with using the **SOURCE** button on the remote control.
5. Refer to the digital set-top box manual for operating instructions.

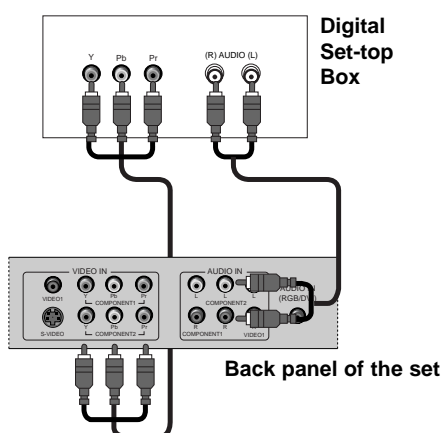
■ When connecting with a HDMI cable



1. Connect the **HDMI** output of the digital set-top box to the **HDMI/DVI1 IN** or **HDMI2 IN** jack on the set.
2. Turn on the digital set-top box.
3. Select **HDMI1** or **HDMI2** input source with using the **SOURCE** button on the remote control.
4. Refer to the digital set-top box manual for operating instructions.

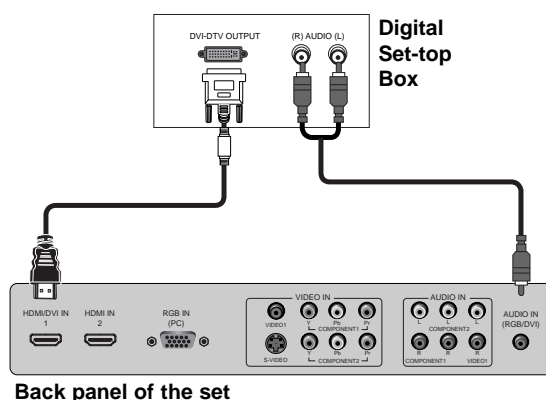
Connections

■ When connecting with a Component cable



1. Connect the video outputs (Y, PB, PR) of the DVD to the **COMPONENT1 VIDEO(Y, Pb, Pr)** or **COMPONENT2 VIDEO(Y, Pb, Pr)** 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 **YPbPr** or **YPbPr2** source with using the **SOURCE** button on the remote control.
5. Refer to the digital set-top box manual for operating instructions.

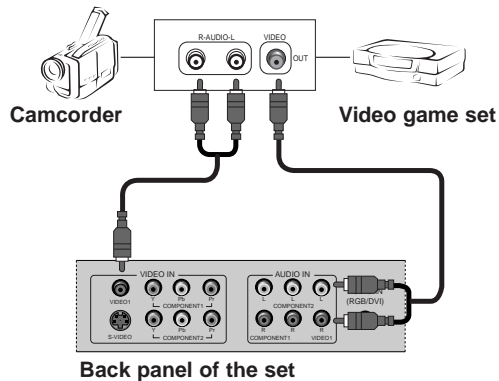
■ When connecting with a HDMI to DVI cable



1. Connect the DVI output of the digital set-top box to the **HDMI/DVI 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 **HDMI1** input source with using the **SOURCE** button on the remote control.
5. Refer to the digital set-top box manual for operating instructions.

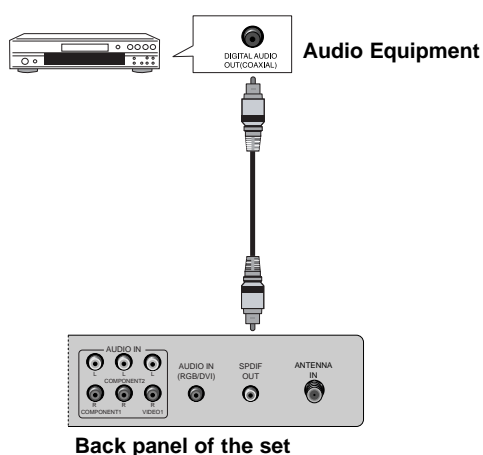
Connections

External AV 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** 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

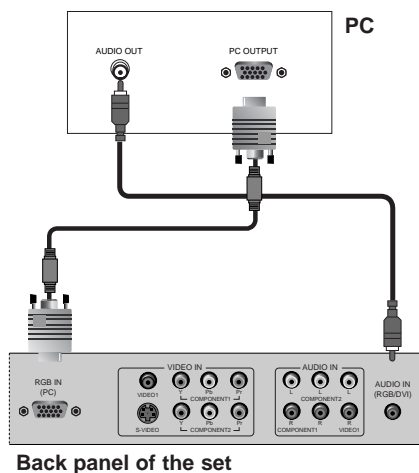


1. Connect one end of the optical or coaxial cable to the TV's SPDIF OUT port.
2. Connect the other end of the optical or coaxial cable to the digital audio input on the audio equipment.
3. Set the "SPDIF Type option - Off" in the **AUDIO** menu.
4. Refer to the external audio equipment manual for for operation.

Connections

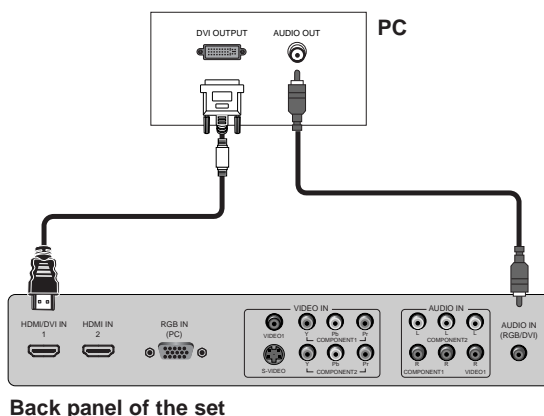
PC Connection

■ 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 **PC** 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/DVI1 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 **HDMI1** input source with using the **SOURCE** button on the remote control.

Connections

Resolution

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640 x 480	31.47	59.94
	37.86	72.81
	37.50	75.00
800 x 600	35.16	56.25
	37.88	60.32
	48.08	72.19
	46.88	75.00
1024 x 768	48.36	60.00
	56.48	70.07
	60.02	75.03
720 x 400	31.47	70.00

NOTE -----

- a. The synchronization input form is separate.
 - b. If the resolution is not supported, 'UNSUPPORTED' message will be displayed.
-

Basic Operation

Turning On or Off

Standby Setup: The AC power cord must be set up and connected to have the TV in standby mode 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▲** or **CH▼** 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  button to view the last channel you were watching.

Basic Operation

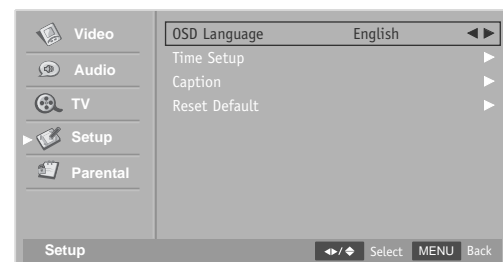
Input Selection

1. Press the **SOURCE** button to change the input mode.
2. Press the **▲** or **▼** button to select your desired mode.
3. Press the **OK** button to change your selected mode.

Input Source
√ TV
AV
S-Video
YPbPr1
YPbPr2
VGA
HDMI1
HDMI2

Language Selection

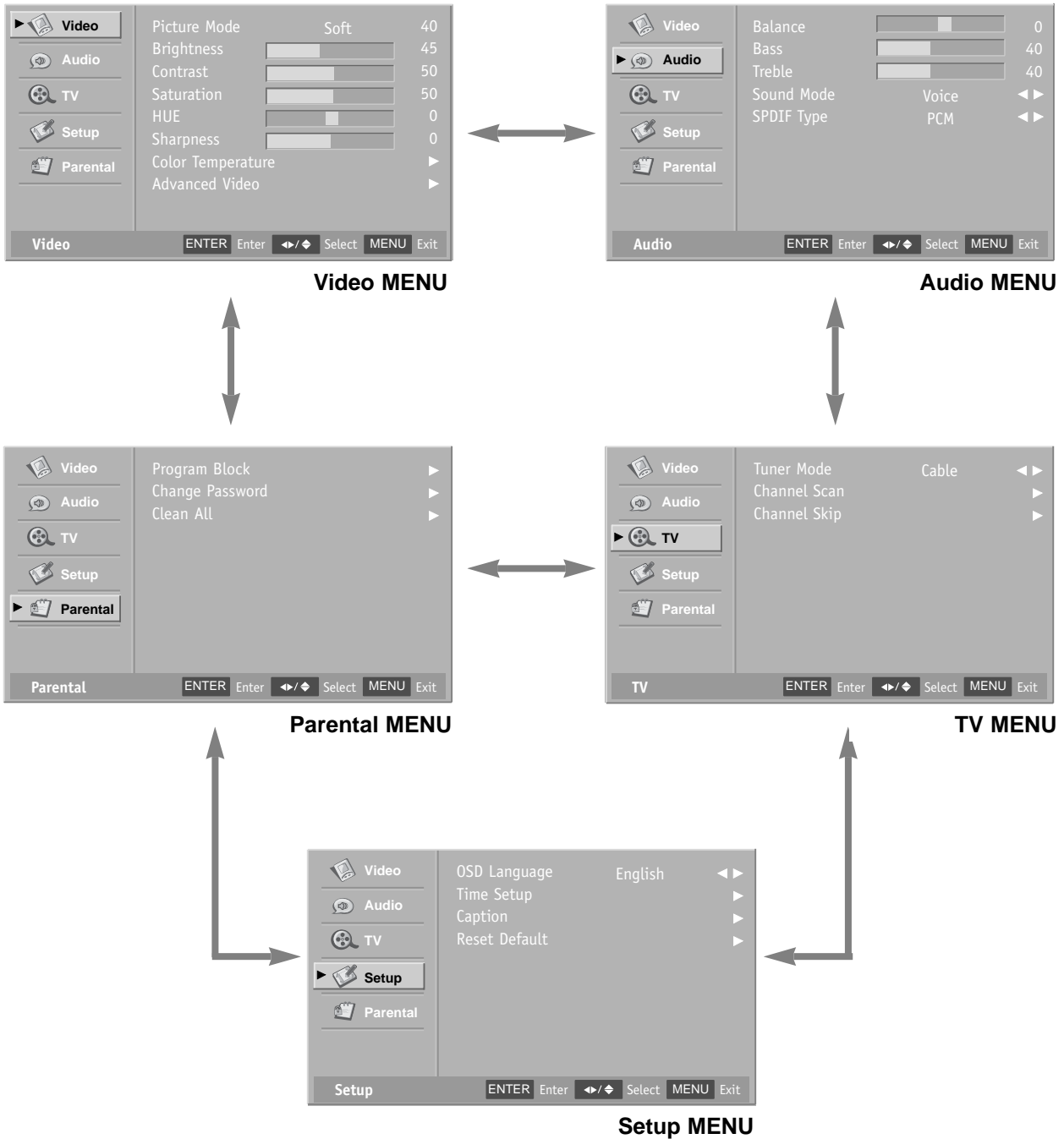
1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Setup**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **OSD Language**.
3. Press the **◀** or **▶** button to select desired your language.
4. All the on screen menu will appear in the 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 and then use **▲** or **▼** button to select each menu.
2. Press the **OK** button and then **▲** or **▼** or **◀** or **▶** button to display the available menus.

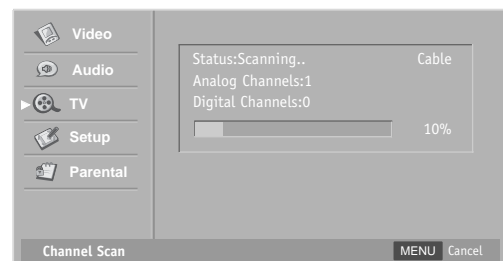
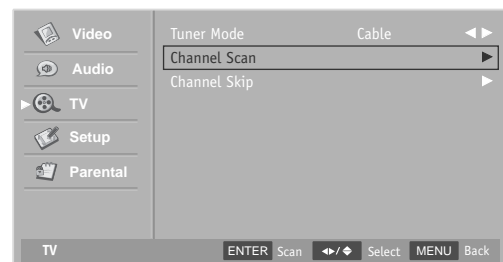
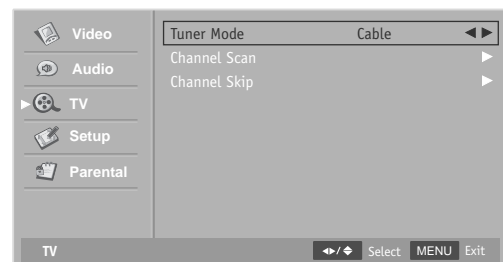


Setting up TV Channel

Auto Scan

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

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **TV**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Tuner Mode**.
3. Press the ◀ or ▶ button to select **Antenna** or **Cable**.
4. Press the ▲ or ▼ button to select **Channel Scan**.
5. Press the **OK** button to start auto search.
The TV will begin memorizing all of the available channels.
6. Press the **MENU** button at any time to interrupt the memorization process.

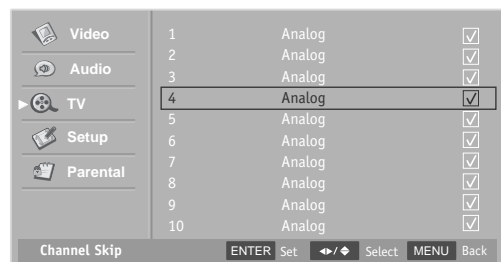
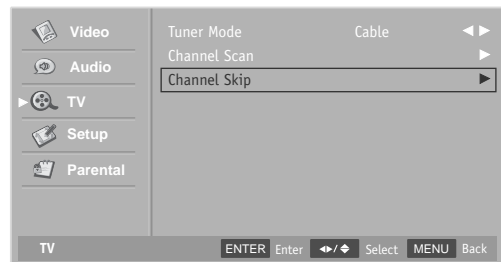


Setting up TV Channel

Add/Delete Channel

You can store manually the channel in whatever order you desire.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **TV**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Channel Skip**.
3. Press the **OK** button and then press the ▲ or ▼ button to select channel you want to add or delete.
If you want to skip the selected channel, press the **OK** button.
4. Save the other channels in the same method.
5. Press the **MENU** button to return to the previous menu.

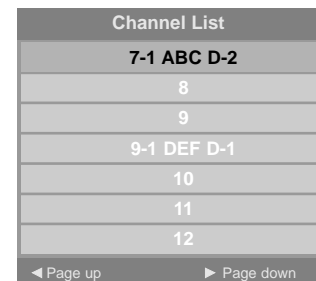


Setting up TV Channel

Calling the Channel List

You can check the channels stored in the memory by displaying the channel list.

1. Press the **LIST** button to display the **Channel List**.
The channel list appears on the screen.
One channel list page contains seven channels as right picture.
2. Press the ◀ button to select previous page or press the ▶ button to select next page.
3. Press the ▲ or ▼ button to select channel and then press the **OK** button.
The screen switches to the chosen channel number.



Channel List	
7-1 ABC D-2	
8	
9	
9-1 DEF D-1	
10	
11	
12	
◀ Page up	▶ Page down

EPG(Electronic Program Guide)

Displays Broadcasting guide of received channel.

1. Press the **EPG** button to display the EPG.
The EPG appears on the screen.
2. Press the ◀ or ▶ button to change channel and displays broadcasting guide in the bottom of screen.



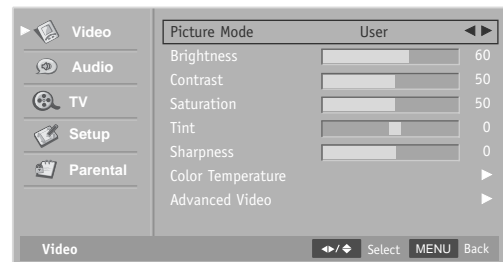
Sunday, 3-February-2008 9:00:00 PM		
7 ◀	7-1 ABC D-2	▶ 8
Today	9:00 PM	HD
Today	10:00 PM	
Today	11:00 PM	
Tomorrow	12:00 AM	ABC
Tomorrow	12:50 AM	HD1
▼		
9:01 PM-10:09 PM Sun, 3-Feb		Not Rated

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 and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Picture Mode**.
3. Press the **◀** or **▶** button to select **Soft, Standard, Vivid** or **User**.
4. Press the **MENU** button to return to the previous menu.



Soft

Select this option to display with a soft image.

Standard

The most general and natural screen display status.

Vivid

Select this option to display with a sharp image.

User

Select this option to use the user-defined setting.

NOTE

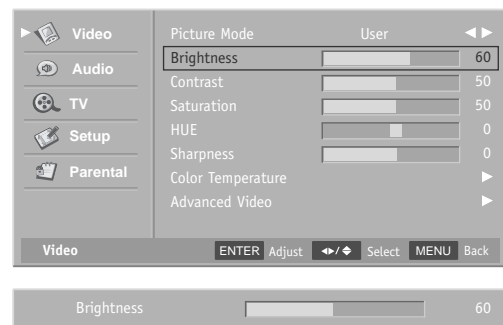
- If you want to select Picture Mode directly, press the **→IP←** button.
- Every time you press the button, it will switch between **Soft, Standard, Vivid** or **User**.
- When you adjust **Brightness, Contrast, Saturation, HUE** or **Sharpness, Picture Mode** changes to **User**.

Picture Controls

Manual Picture Controls

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

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select desired picture option. (**Brightness**, **Contrast**, **Saturation**, **HUE**, **Sharpness**)
3. Press the **OK** button and then press the **◀** or **▶** button to make appropriate adjustments.
4. Press the **MENU** button to return to the previous menu.



Brightness

Increases or decreases amount of white in the your picture.

Contrast

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

Saturation

Adjusts intensity of all colours.

HUE

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

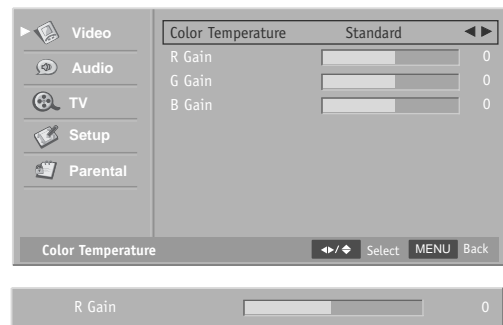
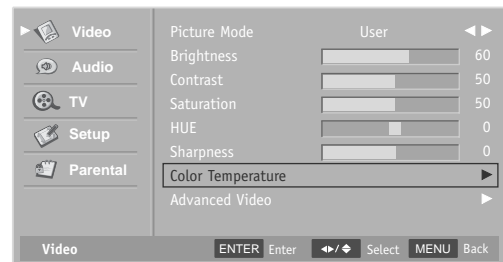
- Tint can not adjust in DTV mode.

Picture Controls

Color Temperature

You can adjust to color temperature you prefer.

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Color Temperature**.
3. Press the **OK** button and then press the **◀** or **▶** button to select **Cool**, **Standard**, **Warm** or **User**.
4. Press the **▲** or **▼** button to select desired color item.
5. Press the **OK** button and then press the **◀** or **▶** button to make appropriate adjustments.
6. Press the **MENU** button to return to the previous menu.



NOTE

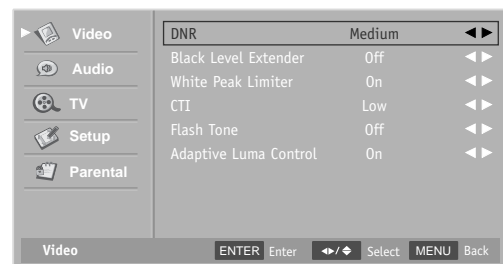
- When you adjust **R Gain**, **G Gain** or **B Gain**, **Color Temperature** change to **User**.

Advanced Video

Digital Noise Reduction

Removing the noise up to the point where it does not damage the original picture.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Video**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Advanced Video**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **DNR**.
4. Press the ◀ or ▶ button to select **Off**, **Low**, **Medium**, **Strong** or **Auto**.
5. Press the **MENU** button to return to the previous menu.



Off

Turns the screen noise reduction function off.

Low

Reduces screen noise at a low level.

Medium

Reduces screen noise at a medium level.

Strong

Reduces screen noise at a high level.

Auto

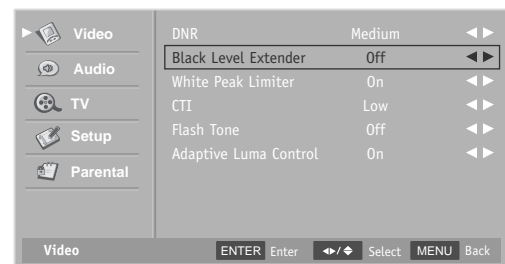
Adjusts automatically screen noise according to received signal.

Advanced Video

Black Level Extender

?????

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Advanced Video**.
3. Press the **OK** button and then press the **▲** or **▼** button to select **Black Level Extender**.
4. Press the **◀** or **▶** button to select **On** or **Off**.
5. Press the **MENU** button to return to the previous menu.

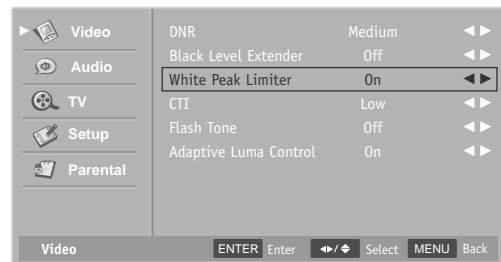


Advanced Video

White Peak Limiter

?????

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Advanced Video**.
3. Press the **OK** button and then press the **▲** or **▼** button to select **White Peak Limiter**.
4. Press the **◀** or **▶** button to select **On** or **Off**.
5. Press the **MENU** button to return to the previous menu.

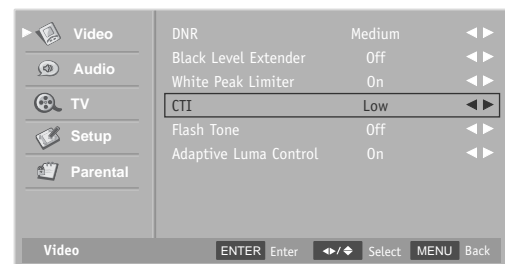


Advanced Video

CTI

?????

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Advanced Video**.
3. Press the **OK** button and then press the **▲** or **▼** button to select **CTI**.
4. Press the **◀** or **▶** button to select **Off**, **Low**, **Medium** or **Strong**.
5. Press the **MENU** button to return to the previous menu.

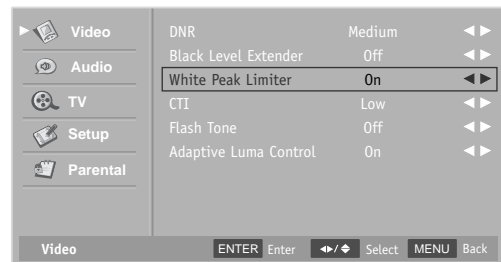


Advanced Video

Flash Tone

?????

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Video**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Advanced Video**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Flash Tone**.
4. Press the ◀ or ▶ button to select **On** or **Off**.
5. Press the **MENU** button to return to the previous menu.

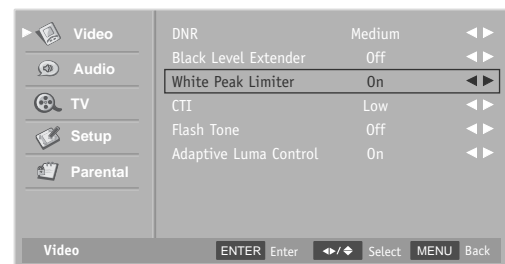


Advanced Video

Adaptive Luma Control

?????

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Advanced Video**.
3. Press the **OK** button and then press the **▲** or **▼** button to select **Adaptive Luma Control**.
4. Press the **◀** or **▶** button to select **On** or **Off**.
5. Press the **MENU** button to return to the previous menu.

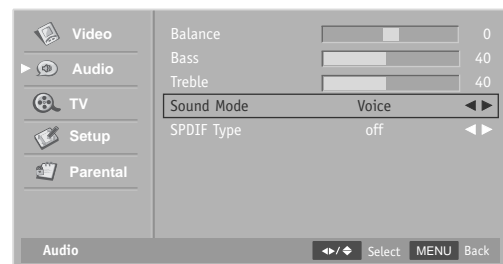


Sound Controls

Auto Sound Controls

Sound Mode lets you enjoy the best sound without any special adjustment because the set sets the appropriate sound options.

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Audio**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Sound Mode**.
3. Press the **◀** or **▶** button to select **Voice, Concert, Jazz** or **User**.
4. Press the **MENU** button to return to the previous menu.



Voice

???

Concert

???

Jazz

????

User

Select this option to use the user-defined audio settings.

NOTE

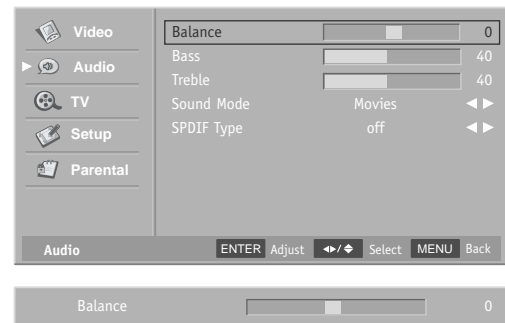
- If you want to select Sound Mode directly, press the **→SI←** button.
- Every time you press the button, it will switch between **Voice, Concert, Jazz** and **User**.
- When you adjust **Bass** or **Treble**, Sound Mode changes to **User**.

Sound Controls

Manual Sound Controls

This is the function to adjust the audio condition in the way the user wants.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Audio**.
2. Press the **OK** button and then press the ▲ or ▼ button to select desired picture option.
(**Bass, Treble, Balance**)
3. Press the **OK** button and then press the ◀ or ▶ button to make appropriate adjustments.
4. Press the **MENU** button to return to the previous menu.



Bass

This adjusts the range of the low pitch sound.

Treble

This adjusts the range of the high pitch sound.

Balance

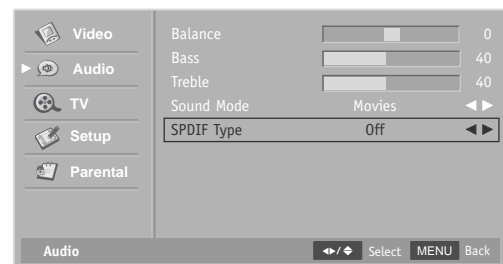
Adjust the sound balance of speaker to the levels you prefer.

Sound Controls

SPDIF

Output the audio signal with the digital signal for the user to enjoy the sound more vividly.

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Audio**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **SPDIF Type**.
3. Press the **◀** or **▶** button to select **Off**, **Dolby Digital**, or **PCM**.
4. Press the **MENU** button to return to the previous menu.



Off

When it is specified as default, it is not output with the digital audio signal.

Dolby Digital

It can output the digital audio signal.

PCM

This mode is used only for the audio CD signal.

Sound Controls

STEREO/SAP BROADCAST SETUP

This TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program if the station transmits an additional sound signal as well as the original one and when you select Stereo or SAP on the remote control.

Mono sound is automatically received if the broadcast is only in Mono; even though Stereo or SAP has been selected.

Select Mono if you want to listen to the mono sound in remote areas during stereo/SAP broadcasting. Stereo or SAP can be received in Analog channel.

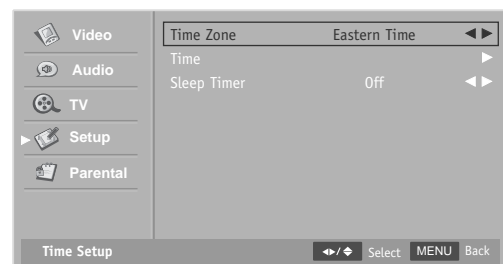
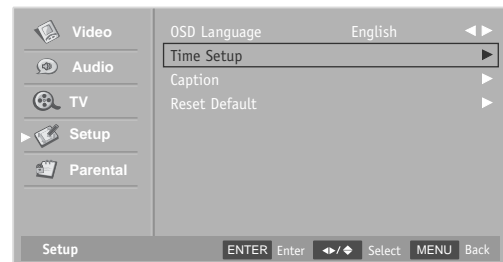
1. Use the **MTS** button to select your desired MTS mode in analog signal.
Each time you press the **MTS** button, Mono, Stereo, or SAP appear in turn.
If other languages available on the digital signal, select them with the **MTS** button.
2. Press **EXIT** button to save and return to TV viewing.

Time Setting

Time Zone Setting

You can set the Time Zone for your local area.
This is operated from the Auto Synchronization.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Setup**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Time Setup**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Time Zone**.
4. Press the ◀ or ▶ button to select your viewing area time zone.
(**Eastern Time, Indiana, Central Time, Mountain Time, Arizona, Pacific Time, Alaska, Hawaii**)
5. Press the **MENU** button to return to the previous menu.

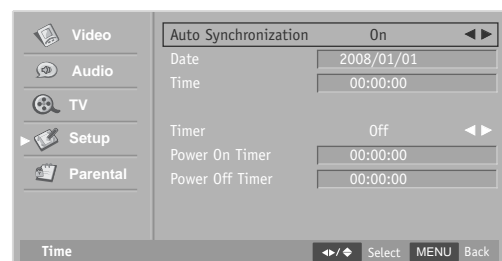


Time Setting

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 and then press the **▲** or **▼** button to select the **Setup**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Time Setup**.
3. Press the **OK** button and then press the **▲** or **▼** button to select **Time**.
4. Press the **OK** button and then press the **▲** or **▼** button to select **Auto Synchronization**.
5. Press the **◀** or **▶** button to select **On**.
6. Press the **MENU** button to return to the previous menu.



NOTE

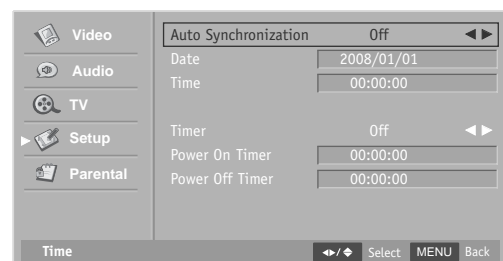
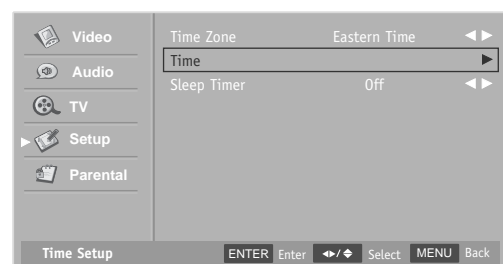
-
- If **Auto Synchronization** is selected to **On**, **Date** and **Time** menu are cannot be adjusted.
-

Time Setting

Manual Time Setting

If the current time setting is wrong, reset the clock manually.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Setup**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Time Setup**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Time**.
4. Press the **OK** button and then press the ▲ or ▼ button to select **Auto Synchronization**.
5. Press the ◀ or ▶ button to select **Off**.
6. Press the ▲ or ▼ button to select **Date** or **Time**.
7. Press the ◀ or ▶ button to move the position and use number buttons to set present date or time.
8. Press the **MENU** button to return to the previous menu.

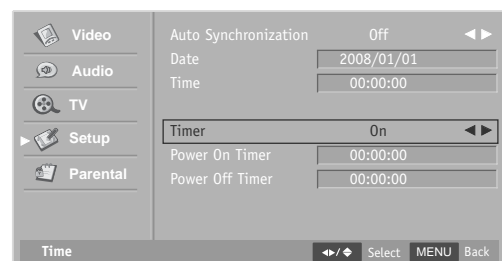


Time Setting

Auto On/Off Time Setting

The timer function operates only if the current time has been set.
The TV turns on/off automatically with the Power On/Off Timer function.

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Setup**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Time Setup**.
3. Press the **OK** button and then press the **▲** or **▼** button to select **Time**.
4. Press the **OK** button and then press the **▲** or **▼** button to select **Timer**.
5. Press the **◀** or **▶** button to select **On**.
If **Timer** is selected to **Off**, **Power On Timer** and **Power Off Timer** menu are cannot be adjusted.
6. Press the **▲** or **▼** button to select **Power On Timer** or **Power Off Timer**.
7. Press the **◀** or **▶** button to move the position and use number buttons to set TV on or off time.
8. Press the **MENU** button to return to the previous menu.

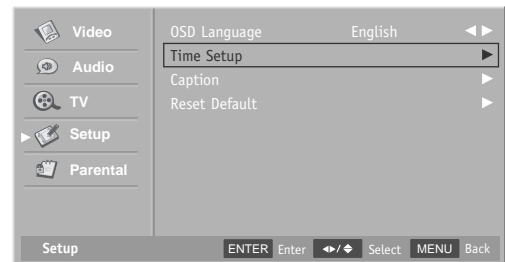


Time Setting

Sleep Timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Setup**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Time Setup**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Sleep Timer**.
4. Press the ◀ or ▶ button to select desired sleep time. The timer begins to count down from the number of minutes selected.
5. Press the **MENU** button to return to the previous menu.



NOTE

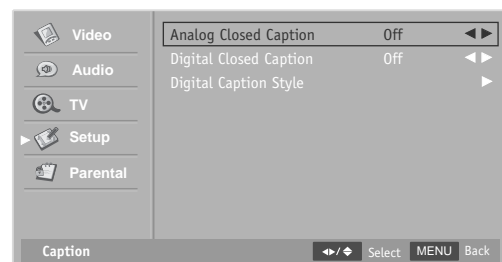
- If you want to select Sleep Timer directly, press the **SLEEP** button.
- Every time you press the button, it will switch between **Off, 5, 10, 15, 30, 45, 60, 90, 120, 180** and **240**.

Captions

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 and then press the ▲ or ▼ button to select the **Setup**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Caption**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Analog Closed Caption**.
4. Press the ◀ or ▶ button repeatedly to select **Off**, **CC1**, **CC2**, **CC3**, **CC4**, **TEXT1**, **TEXT2**, **TEXT3** or **TEXT4**.
5. 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

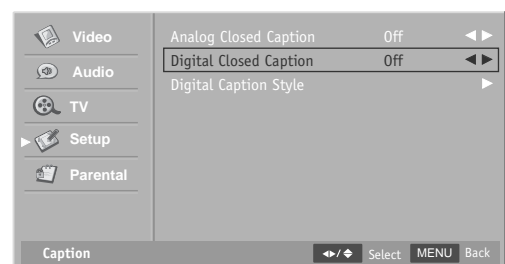
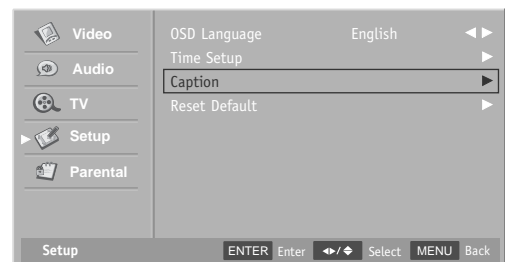
- If you want to select **Caption** directly, press the **CC** button.

Captions

Closed Caption-Digital

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

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Setup**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Caption**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Digital Closed Caption**.
4. Press the ◀ or ▶ button repeatedly to select **Off**, **SERVICE1**, **SERVICE2**, **SERVICE3**, **SERVICE4**, **SERVICE5** or **SERVICE6**.
5. Press the **MENU** button to return to the previous menu.

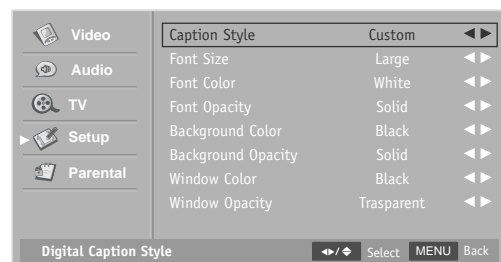
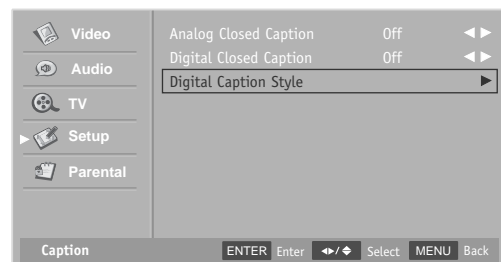


Captions

Closed Caption Options

Customize the DTV captions that appear on your screen.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Setup**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Caption**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Digital Caption Style**.
4. Press the **OK** button and then press the ▲ or ▼ button to select **Caption Style**.
5. Press the ◀ or ▶ button to select **Custom**.
6. Press the ▲ or ▼ button to select desired caption option.
(**Font Size**, **Font Color**, **Font Opacity**, **Background Color**, **Background Opacity**, **Window Color**, **Window Opacity**)
7. Press the ◀ or ▶ button to customize your preference.
8. Press the **MENU** button to return to the previous menu.



Font Size

Set the size the words will appear in.

Font Color

Choose a color for the text.

Font Opacity

Specify the opacity for the text color.

Background Color

Select a background color.

Background Opacity

Select the opacity for the background color.

Window Color

Select a color for the edges.

Window Opacity

Select the opacity for the edges.

NOTE

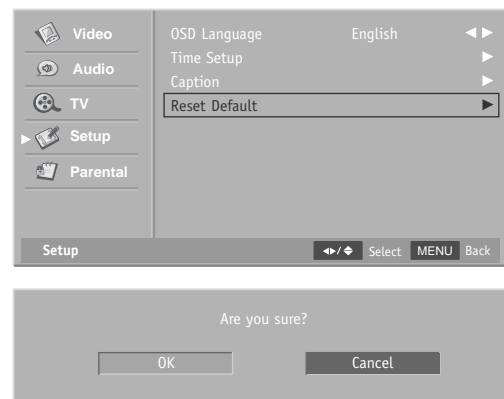
- If **Caption Style** is selected to **As Broadcaster**, **Caption Options** are cannot be adjusted.

Reset

Reset Default

Use to quickly reset all the menu options to their original factory preset values.
This function deletes all TV channel.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Setup**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Reset Default**.
3. Press the ◀ or ▶ button and then press the ◀ or ▶ button to select **OK**.
4. Press the **OK** button to reset.
5. Reset the menu options to original values.
6. Press the **MENU** button to return to the previous menu



Parental Control

Enter the 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.

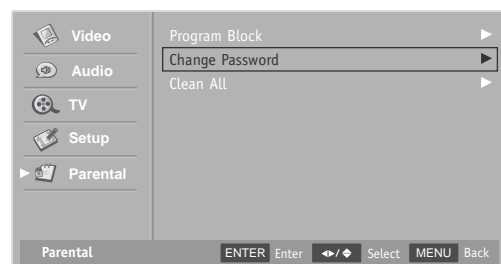
1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Parental**.
2. Press the **OK** button and then enter password as requested.
3. The TV is set up with the initial password "0-0-0-0".



Set Password

Change the password by inputting a new password twice.

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

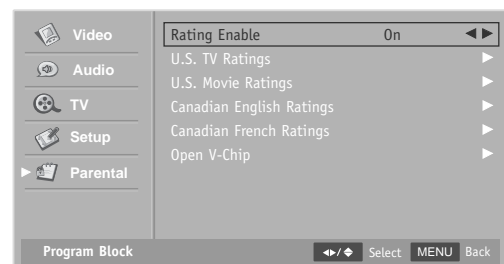
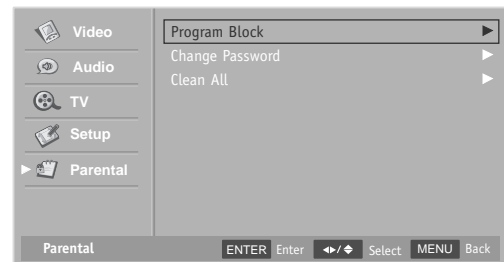


Parental Control

Rating Enable/Disable

Enables or disables the blocking scheme you set up previously.

1. After inputting the password, press the ▲ or ▼ button to choose **Program Block**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Rating Enable**.
3. Press the ◀ or ▶ button to select **On** or **Off**.
When you select On, the Program Block menus are enable.
4. Press the **MENU** button to return to the previous menu

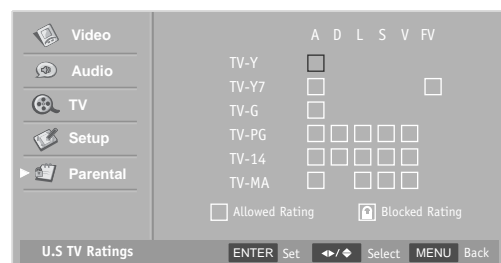
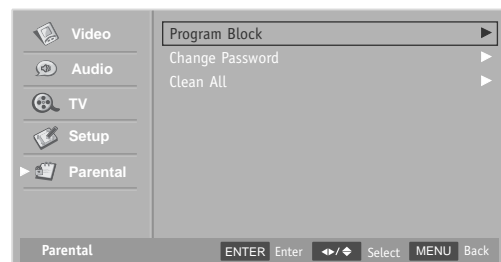


Parental Control

TV Ratings for USA

Prevents children from watching certain children's TV programs, according to the ratings limit set. The children rating does not apply to other TV programs. Unless you block certain TV programs intended for mature audiences in the TV Rating - sub menu, your children can view those programs.

1. After inputting the password, press the ▲ or ▼ button to choose **Program Block**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **U.S. TV Rating**.
3. Press the **OK** button.
4. Press the ▲ or ▼ or ◀ or ▶ buttons to choose and **OK** button to set up the menu options for U.S. TV Ratings.
5. Press the **MENU** button to return to the previous menu



Parental Control

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:

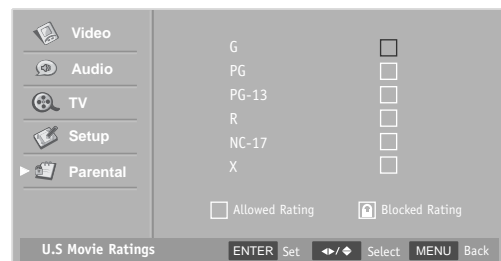
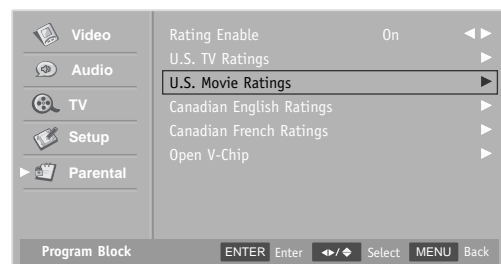
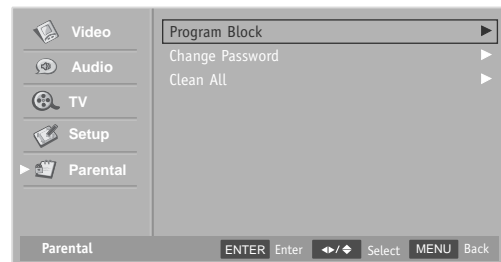
- V:** Violence.
- S:** Sex.
- L:** Offensive language.
- V:** Violence.
- D:** Dialog...sexual innuendo.
- FV:** Fantasy or cartoon violence.

Parental Control

Movie Ratings

Blocks movies according to the movie ratings limits specified, so children cannot view certain movies. You can set the ratings limit by blocking out all the movies with the ratings above a specified level. Keep in mind that the movie ratings limit only applies to movies shown on TV, not TV programs, such as soap operas.

1. After inputting the password, press the ▲ or ▼ button to choose **Program Block**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **U.S. Movie Rating**.
3. Press the **OK** button.
4. Press the ▲ or ▼ buttons to choose and **OK** button to set up the menu options for U.S. Movie Ratings.
5. 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

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

Parental Control

TV Rating English for Canada

Selecting canadian english language rating system.

1. After inputting the password, press the ▲ or ▼ button to choose **Program Block**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Canadian English Ratings**.
3. Press the **OK** button.
4. Press the ▲ or ▼ buttons to choose and **OK** button to set up the menu options for Canadian English Ratings.
5. 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

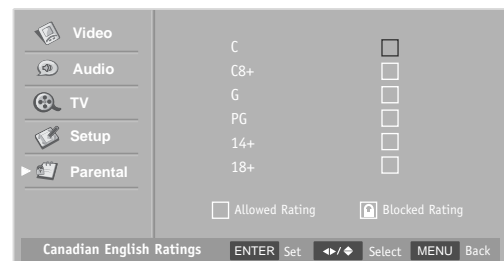
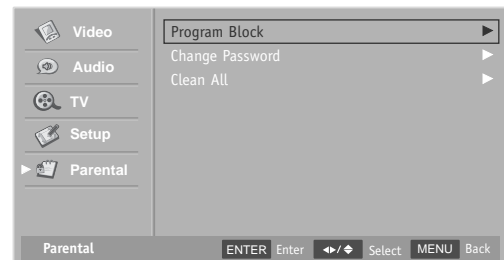
Parental Guidance

14+

Viewers 14 years and older

18+

Adult programming



Parental Control

TV Rating French for Canada

Selecting canadian french language rating system.

1. After inputting the password, press the ▲ or ▼ button to choose **Program Block**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Canadian French Ratings**.
3. Press the **OK** button.
4. Press the ▲ or ▼ buttons to choose and **OK** button to set up the menu options for Canadian French Ratings.
5. 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+

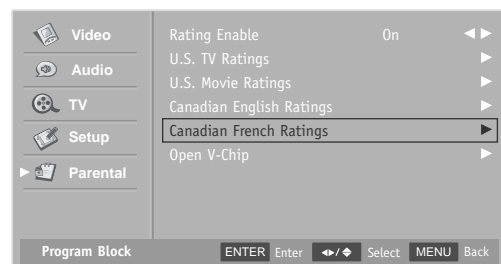
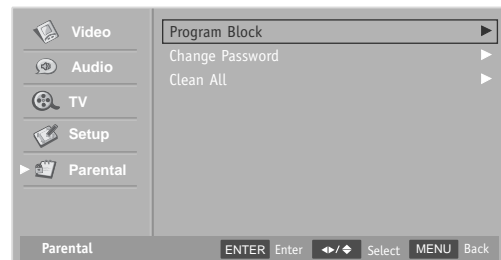
Not convenient for children of 13 years and younger

16 ans+

Not convenient for children of 16 years and younger

18 ans+

This programs is only for adult

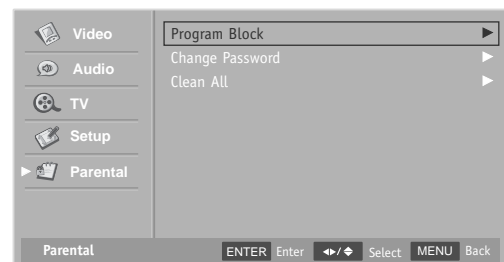


Parental Control

Open V-Chip

??????

1. After inputting the password, press the ▲ or ▼ button to choose **Program Block**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Open V-Chip**.
3. Press the **OK** button twice.
4. Press the ▲ or ▼ buttons to choose the menu options for Open V-Chip.
5. Press the **OK** button.
5. Press the **MENU** button to return to the previous menu

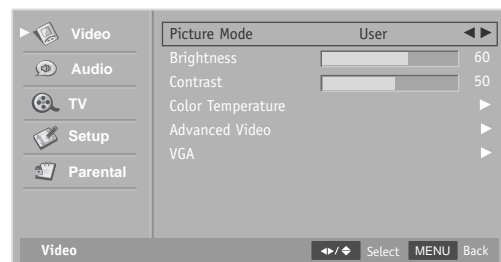


Setting the PC Mode

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 and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select **Picture Mode**.
3. Press the **◀** or **▶** button to select **Soft**, **Standard**, **Vivid** or **User**.
4. Press the **MENU** button to return to the previous menu.



Soft

Select this option to display with a soft image.

Standard

The most general and natural screen display status.

Vivid

Select this option to display with a sharp image.

User

Select this option to use the user-defined setting.

NOTE

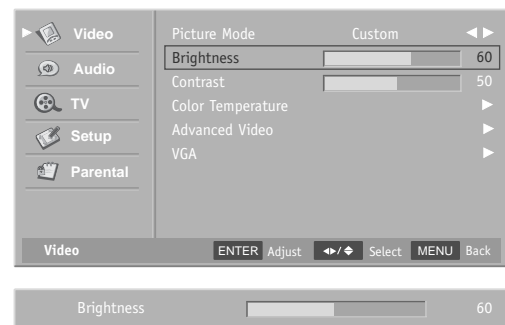
- Select the **VGA** mode by pressing **SOURCE** button
- If you want to select Picture Mode directly, press the **→IP←** button.
- Every time you press the button, it will switch between **Soft**, **Standard**, **Vivid** or **User**.
- When you adjust **Brightness**, **Contrast**, **Picture Mode** changes to **User**.

Setting the PC Mode

Manual Picture Control

You can adjust picture Brightness and Contrast to the levels you prefer.

1. Press the **MENU** button and then press the **▲** or **▼** button to select the **Video**.
2. Press the **OK** button and then press the **▲** or **▼** button to select desired picture option. (**Brightness, Contrast**)
3. Press the **OK** button and then press the **◀** or **▶** button again to make appropriate adjustments.
4. Press the **MENU** button to return to the previous menu.



Brightness

Increases or decreases amount of white in the your picture.

Contrast

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

NOTE

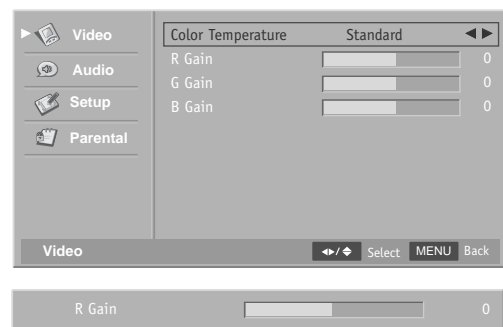
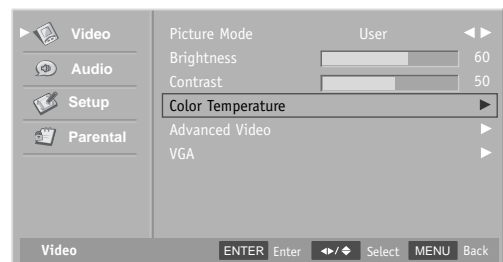
- Select the **VGA** mode by pressing **SOURCE** button

Setting the PC Mode

Color Temperature

You can adjust to color temperature you prefer.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Video**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **Color Temperature**.
3. Press the **OK** button and then press the ◀ or ▶ button to select **Cool**, **Standard**, **Warm** or **User**.
4. Press the ▲ or ▼ button to select desired color item.
5. Press the **OK** button and then press the ◀ or ▶ button to make appropriate adjustments.
6. Press the **MENU** button to return to the previous menu.



NOTE

- When you adjust **R Gain**, **G Gain** or **B Gain**, **Color Temperature** change to **User**.

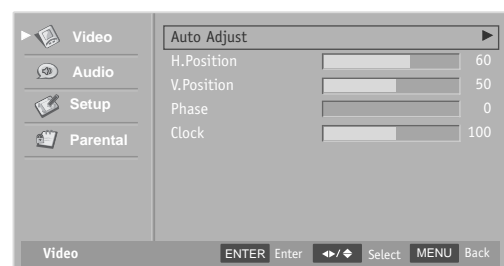
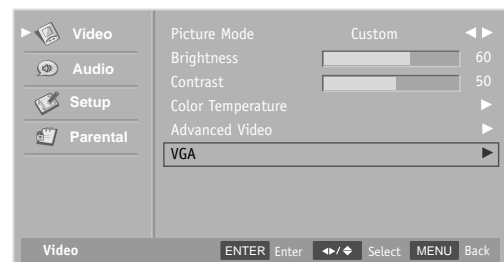
Setting the PC Mode

Auto Adjustment

This function is for the automatic adjustment of the screen position, clock, phase and scale in pc mode. The displayed image will disappear for a few seconds while the auto configuration is in progress. Although the image is still not correct, your set is functioning properly but needs further adjustment.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Video**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **VGA**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **Auto Adjust**.
4. Press the **OK** button to start auto adjust.
5. If picture needs to be adjusted more after Auto Adjust, you can adjust manually.

For more information on Manual Adjust, refer to the next page.



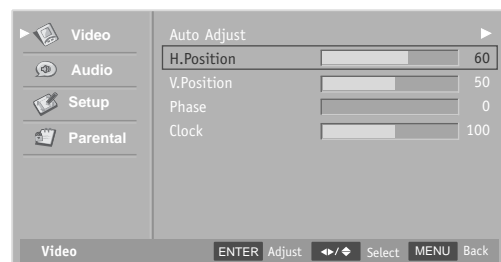
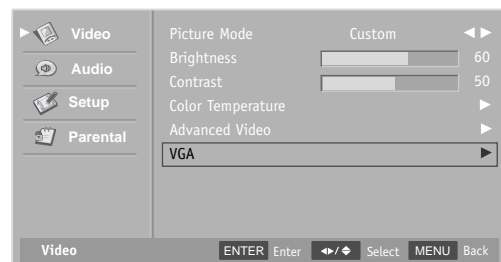
Setting the PC Mode

Manual Adjustment

If the picture isn't clear after auto adjustment and especially if characters are still trembling, adjust the picture phase manually.

To correct the screen size, adjust **Clock**.

1. Press the **MENU** button and then press the ▲ or ▼ button to select the **Video**.
2. Press the **OK** button and then press the ▲ or ▼ button to select **VGA**.
3. Press the **OK** button and then press the ▲ or ▼ button to select **H.Position** or **V.Position**.
4. Press the **OK** button and then press the ◀ or ▶ button to make appropriate adjustments.
5. Press the ▲ or ▼ button to select **Phase** or **Clock**.
6. Press the **OK** button and then press the ◀ or ▶ button to make appropriate adjustments.
7. Press the **MENU** button to return to the previous menu.



H.Position

This function is to adjust horizontal position of screen.

V.Position

This function is to adjust vertical position of screen.

Phase

This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

Clock

This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

Special Functions

Picture Format

You can watch the screen in various picture formats; 4:3 Zoom, Wide.

If a fixed image is displayed on the screen for a long time, that fixed image may become imprinted on the screen and remain visible.

Repeatedly press the **ZOOM** button to select your desired picture format.

- **4:3**

Following selection will lead you to view a picture with an original 4:3 aspect ratio, with gray bars appearing at both the left and right sides.

- **Zoom**

Following selection will lead you to view the picture without any alternation, while filling the entire screen.

However, the top and bottom portions of the picture will be cropped.

- **Wide**

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

The screen 16:9 is viewed just like that but the screen 4:3 is magnified to the left and right so that the screen 16:9 is full.

Special Functions

Freezing the current picture

You can freeze the picture when watching a television program simply by pressing the **FREEZE** button.

To return to normal viewing, press it **FREEZE** button again.



Play Screen



Stop Screen

Specification

Model		PT32U44H
Dimension	Horizontal	918.0 mm
	Height	698.0 mm
	Thickness	296.0 mm
Weight		21.5 kg
Contrast Ration		1,800:1 (25/100 White Window)
Brightness		500 cd/m ²
Panel Resolution		852 (H) x 480 (V)
Display Color		16.7M colors
Audio Output		10W + 10W
Consumption		160W
External Port		<ul style="list-style-type: none"> ● HDMI / DVI1 IN ● HDMI2 IN ● RGB IN(PC) ● VIDEO1 IN ● S-VIDEO IN ● COMPONENT1 VIDEO IN ● COMPONENT2 VIDEO IN ● COMPONENT1 AUDIO IN ● COMPONENT2 AUDIO IN ● VIDEO1 AUDIO IN ● AUDIO IN (RGB / DVI) ● SPDIF OUT ● ANTENNA IN

Troubleshooting

Problem	Check Point
No picture on screen.	<ul style="list-style-type: none"> ● Check whether the set is turned on. ● Power cord inserted into wall outlet? ● Plug another product's power cord into the 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 ◀, ▶ button.
Horizontal/Vertical bars or picture shaking	<ul style="list-style-type: none"> ● Check for local interference such as an 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.

PLASMA TV

P/NO : 3350GDKM00???
GPN08MA008E