



LCD TV

MODELS: 32LC2D
32LC2DU
37LC2D
42LC2D

PLASMA TV

MODELS: 42PC3D
42PC3DC
42PC3DV
50PC3D
60PC1D

OWNER'S MANUAL



Internet Home Page : <http://www.lge.com>
<http://www.lg.ca>

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



As an ENERGY STAR Partner LGE U. S. A.,Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

- Applied models: 42PC3D/3DC/3DV/50PC3D
32/37/42LC2D, 32LC2DU

Please read this manual carefully before operating your set. Retain it for future reference.
Record model number and serial number of the set. See the label attached on the back cover and quote this information to your dealer when you require service.

P/NO : 38289U0527F ①
Printed in Korea

Warning



WARNING:

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.

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.

REGULATORY INFORMATION

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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

CAUTION:

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

COMPLIANCE:

The responsible party for this product's compliance is:
LG Electronics U.S.A., Inc.
1000 Sylvan Avenue, Englewood Cliffs, NJ 07632
Phone: 1-800-243-0000
<http://www.lgusa.com>

Safety Instructions

WARNING :

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

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

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

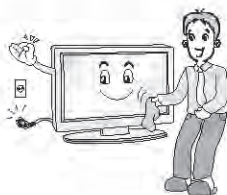
4. Follow all instructions.



5. Do not use this apparatus near water.



6. Clean only with a dry cloth.



7. Do not block any of the 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 is provided for your safety. When 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 the attachments / accessories specified by the manufacturer.

12. Use only with a 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. DISCONNECTING DEVICE FROM MAINS

Main plug is the disconnecting device. The plug must remain readily operable.

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.

FOR LCD TV

Note

- If the TV feels cold to the touch, there may be a small "flicker" when when it is tuned on. This is normal, there is nothing wrong with TV.
- Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.
- Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.

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.
Disposal of this product must be carried out in accordance to the regulations of your local authority.

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Introduction

Accessories

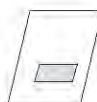
Ensure that the following accessories are included with your TV. If any accessory is missing, please contact the dealer from where you purchased the product. User must use shielded signal interface cables(D-sub 15 pin cable) with ferrite cores to maintain standard compliance for the product.



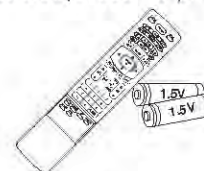
Power Cord



75Ω Round Cable



Owner's Manual

Remote Control /
Batteries

For
42PC3D/3DC/3DV,
50PC3D



2-Wall brackets

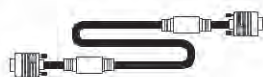


2-eye-bolts

42PC3D/3DC/3DV only

2-bolts
(Refer p. 14)

Option Extras



D-sub 15 pin cable

For 32/37/42LC2D, 32LC2DU

2-TV brackets
2-Wall bracketsTwister Holder
Arrange the wires
with the twister holder.

2-TV Bracket Bolts

Cable
Management
(Refer p.16)

42LC2D only

Polishing Cloth
Polish the TV with
the cloth.

32LC2D/U only

4-bolts for stand
assembly
See below for detail
information.

[Polishing Cloth]

Slightly wipe stained spot on the exterior only with the cleansing cloths for the product exterior if there is stain or fingerprint on surface of the exterior. Do not wipe roughly when removing stain. Please be cautious of that excessive power may cause scratch or discoloration.

For 60PC1D

2-TV brackets
2-Wall brackets

4- Bolts

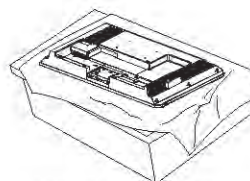


4-RING SPACER

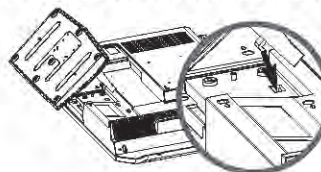
Polishing Cloth
Polish the TV
with the cloth.

Stand Installation for 32LC2D/U

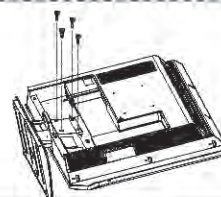
- Carefully place the product screen side down on a cushioned surface that will protect product and screen from damage.



- Place the hook of the stand in the back of the product as shown.

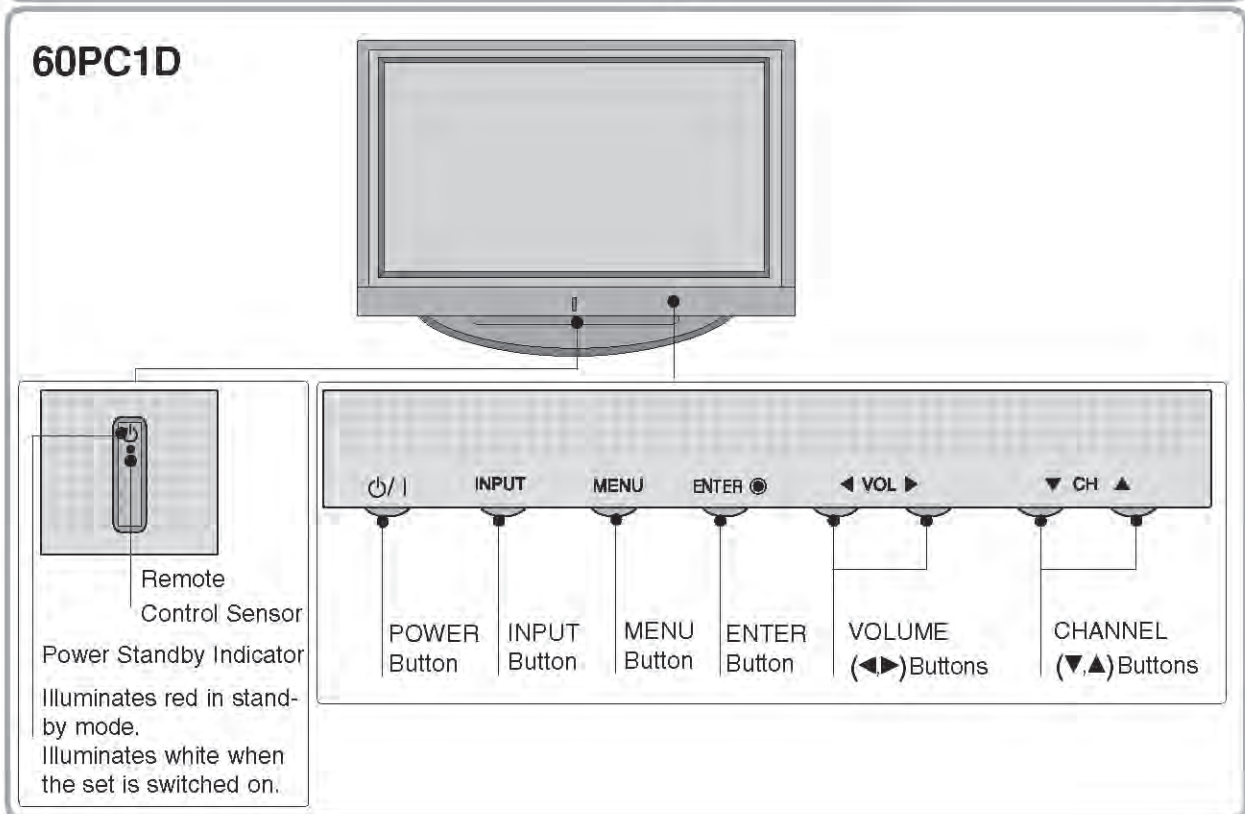
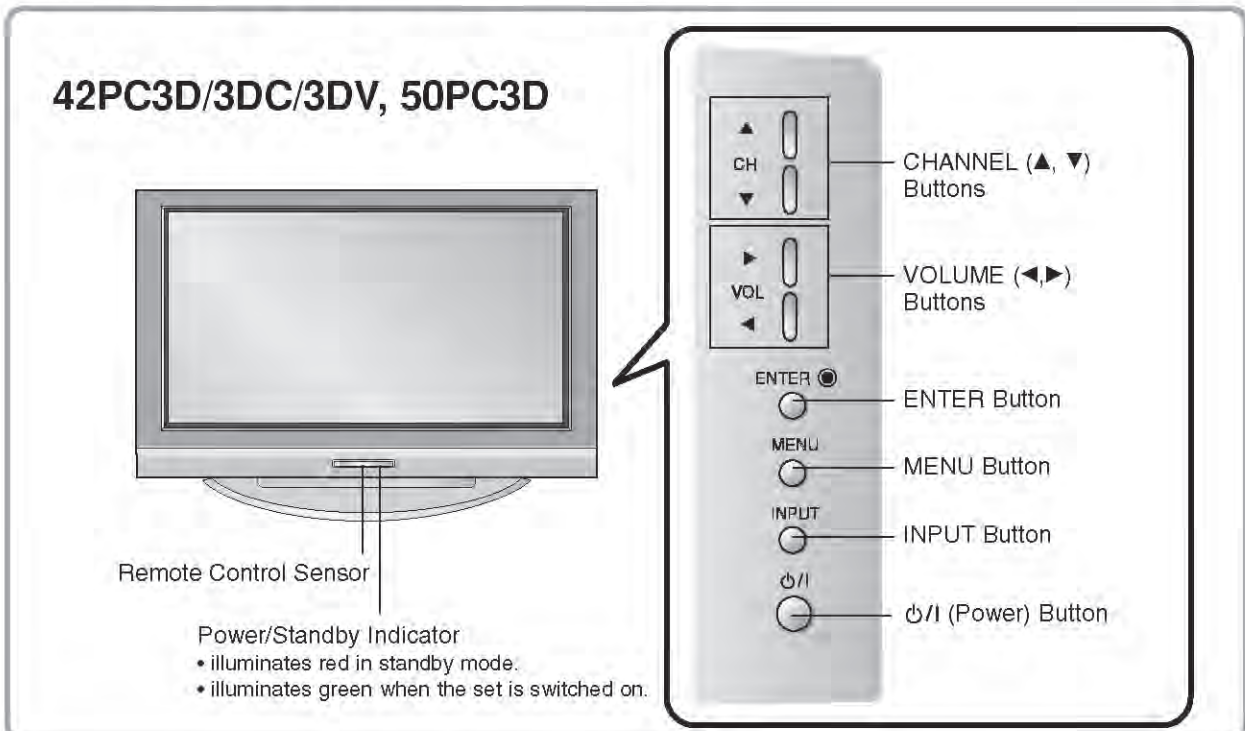


- Install the 4 bolts provided securely, in the back of the product.



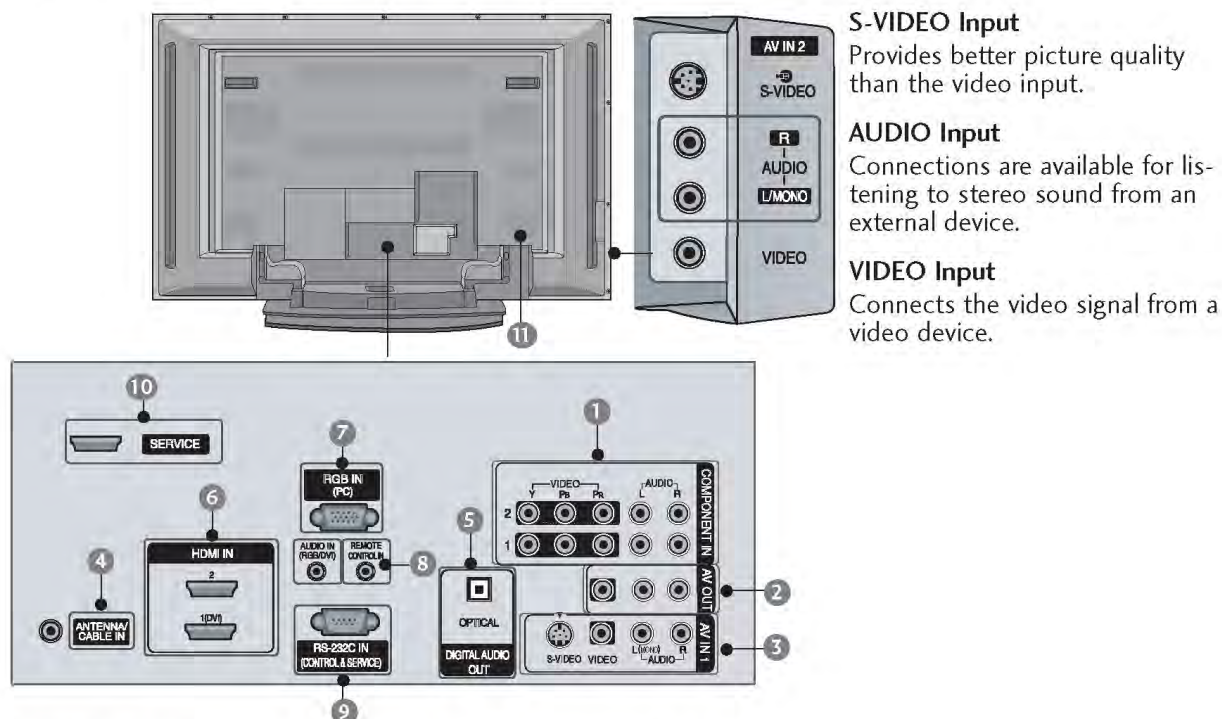
Controls (Model Name: 42PC3D/3DC/3DV, 50PC3D, 60PC1D)

- This is a simplified representation of front panel.
- This picture shown below may be somewhat different from your TV.



Connection Options (Model Name: 42PC3D/3DC/3DV, 50PC3D, 60PC1D)

- This picture shown below may be somewhat different from your TV.



S-VIDEO Input

Provides better picture quality than the video input.

AUDIO Input

Connections are available for listening to stereo sound from an external device.

VIDEO Input

Connects the video signal from a video device.

1 COMPONENT IN

Connect a component video/audio device to these jacks.

2 AV OUT

Connect a second TV or monitor.

3 AV (Audio/Video) IN 1

Connect audio/video output from an external device to these jacks.

S-VIDEO

Connect S-Video out from an S-VIDEO device.

4 ANTENNA/CABLE IN

Connect over-the air signals to this jack.
Connect cable signals to this jack.

5 DIGITAL AUDIO OUT

Connect digital audio from various types of equipment.

Note: In standby mode, these ports do not work.

6 HDMI IN

Connect a HDMI signal to 1 (DVI) or 2.
Or DVI (VIDEO) signal to the 1 (DVI) port with a DVI to HDMI cable.

7 RGB IN (PC)

Connect the monitor output from a PC to the appropriate input port.

8 Remote Control Port

Connect your wired remote control.

AUDIO IN (RGB/DVI)

Connect the monitor output from a PC to the appropriate input port.

9 RS-232C IN (CONTROL & SERVICE) PORT

Connect to the RS-232C port on a PC.

10 SERVICE

11 Power Cord Socket

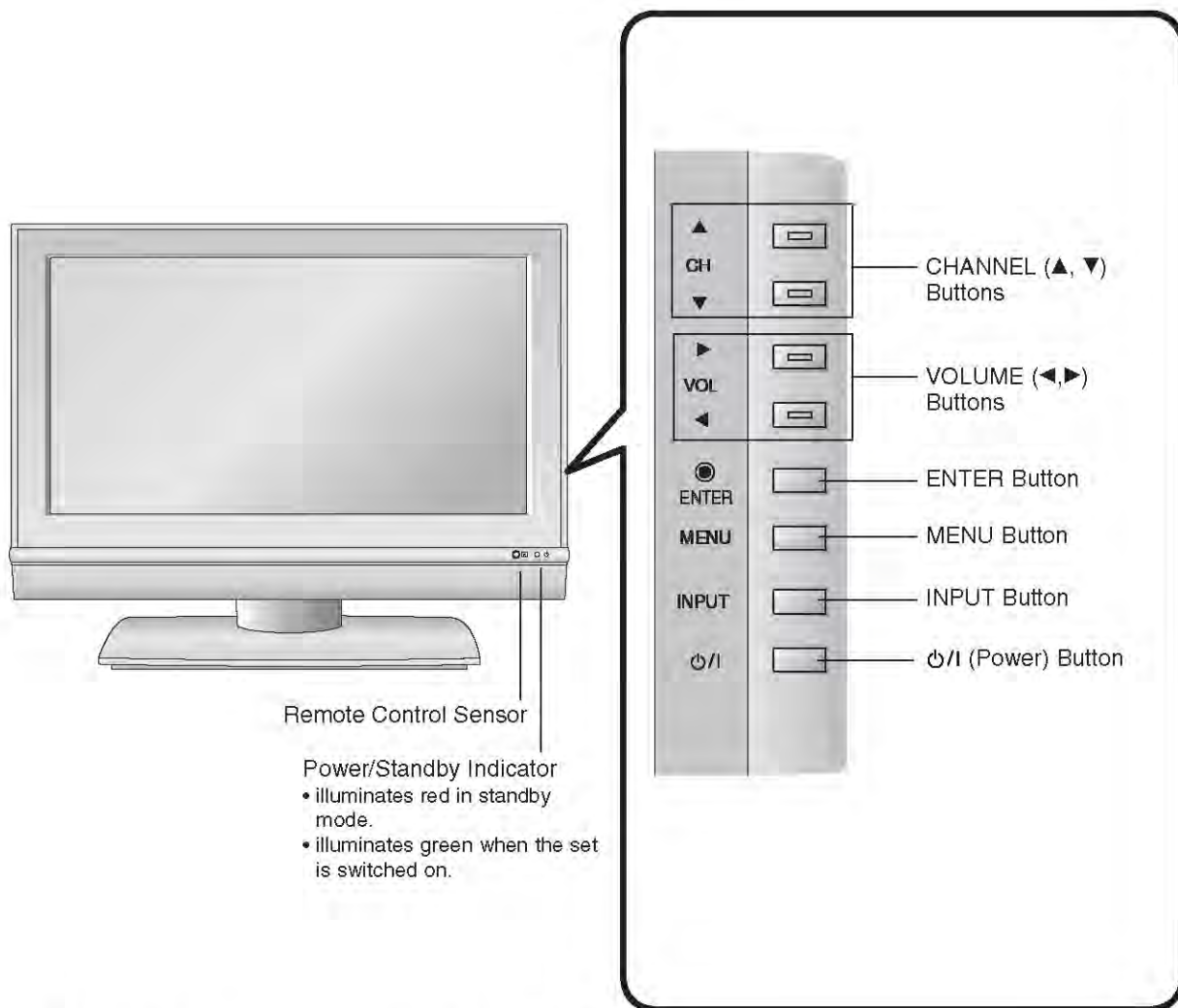
For operation with AC power.

Caution:

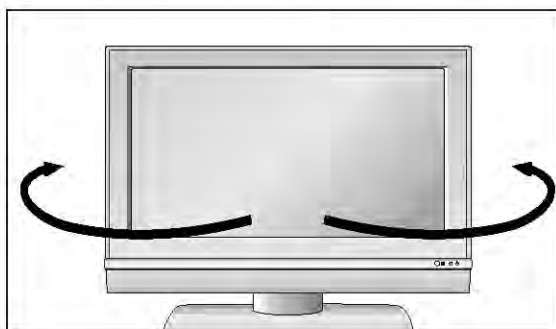
Never attempt to operate the TV on DC power.

Controls (Model Name: 32/37/42LC2D, 32LC2DU)

- This is a simplified representation of front panel.
- This picture shown below may be somewhat different from your TV.



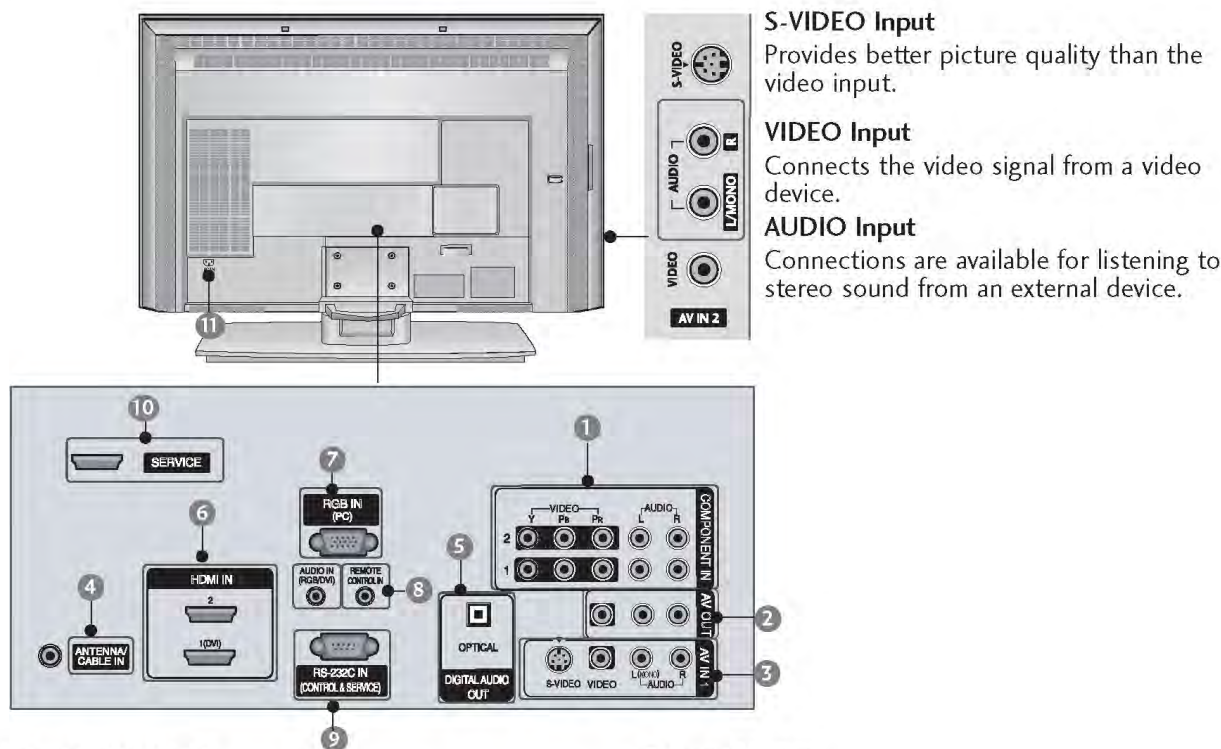
Swivel Stand (42LC2D Only)



- The TV can be conveniently swivelled on its stand 30° to the left or right to provide the optimum viewing angle.

Connection Options (Model Name: 32/37/42LC2D, 32LC2DU)

- This picture shown below may be somewhat different from your TV.



1 COMPONENT IN

Connect a component video/audio device to these jacks.

2 AV OUT

Connect a second TV or monitor.

3 AV (Audio/Video) IN 1

Connect audio/video output from an external device to these jacks.

S-VIDEO

Connect S-Video out from an S-VIDEO device.

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Connect over-the air signals to this jack.
Connect cable signals to this jack.

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Connect digital audio from various types of equipment.

Note: In standby mode, these ports do not work.

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Connect a HDMI signal to 1 (DVI) or 2.
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Connect the monitor output from a PC to the appropriate input port.

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Connect your wired remote control.

AUDIO IN (RGB/DVI)

Connect the monitor output from a PC to the appropriate input port.

9 RS-232C IN (CONTROL & SERVICE) PORT

Connect to the RS-232C port on a PC.

10 SERVICE

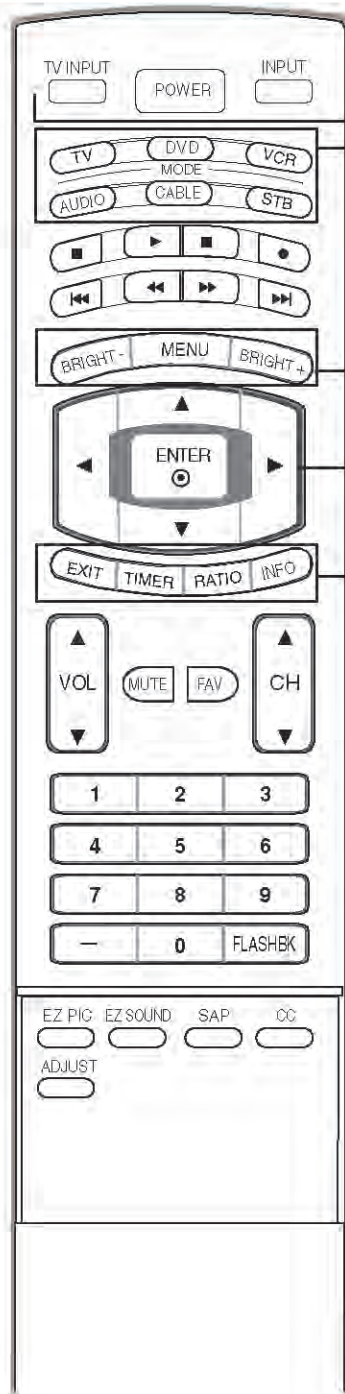
11 Power Cord Socket

For operation with AC power.

Caution:

Never attempt to operate the TV on DC power.

Remote Control Key Functions



POWER

Turns your TV or any other programmed equipment on or off, depending on mode.

TV INPUT

In AV1-2, Component 1-2, or RGB-PC, HDMI1/DVI, and HDMI2 input sources, screen returns to the last TV channel.

INPUT

External input modes rotate in regular sequence: TV, AV1-2, Component 1-2, RGB-PC, HDMI1/DVI or HDMI2.

(AV 1-2, Component 1-2, RGB-PC, HDMI1/DVI or HDMI2 input sources are linked automatically, only if these are connected.)

MODE

Selects the remote operating mode: TV, DVD, VCR, AUDIO, CABLE, or STB. Select a mode other than TV, for the remote to operate an external device.

MENU

Brings up the main menu to the screen.

BRIGHT + / -

- Adjust brightness on screen.

- It turns to the default settings brightness by changing mode source.

THUMBSTICK (Up/Down/Left/Right/ENTER)

Allows you to navigate the on-screen menus and adjust the system settings to your preference.

EXIT

Clears all on-screen displays and returns to TV viewing from any menu.

TIMER ▶ p.45

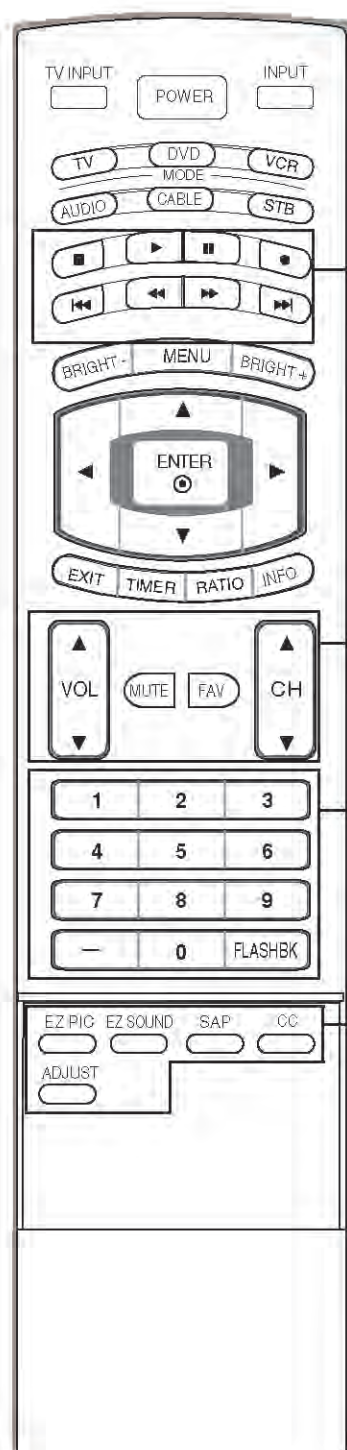
Lets you select the amount of time before your TV turns itself off automatically.

RATIO ▶ p.47

Changes the aspect ratio.

INFO

When you watch the TV, information displays on top of the screen. Not available in Component 1-2, RGB, HDMI1/DVI and HDMI2 mode.

**VCR/DVD/DVHS/Camcorder BUTTONS**

Control some video cassette recorders or DVD players ("RECORD" button is not available for DVD player).

VOLUME UP/DOWN

Increases/decreases the sound level.

CHANNEL UP/DOWN

Selects available channels found with EZ scan and Manual scan.

MUTE ▶ p.29

Switches the sound on or off.

FAV

Use to scroll the Favorite channels.

NUMBER BUTTONS**— (DASH)**

Used to enter a program number for multiple program channels such as 2-1, 2-2, etc.

FLASHBK

Returns to the last channel viewed.

EZ PIC ▶ p.35

Selects a factory preset picture mode depending on the viewing environment.

EZ SOUND ▶ p.41

Selects the sound appropriate for the program's character.

SAP

Selects MTS sound: Mono, Stereo, and SAP in analog mode. Change the audio language in DTV mode.

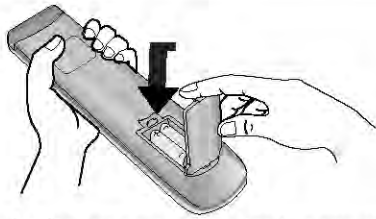
CC ▶ p.48 (*In DTV/CADTV mode ▶ p.48)

Select a closed caption: Off, CC1-4, Text1-4.

ADJUST

Adjusts screen position, size, and phase in PC mode.

Installing Batteries



- Open the battery compartment cover on the back side and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5V AA batteries. Don't mix old or used batteries with new ones.
- Close cover.

Remote control effective range

32/37/42LC2D, 32LC2DU 42PC3D/3DC/3DV, 50PC3D 60PC1D



- Use a remote control up to 7 meters distance and 30 degree (left/right) within the receiving unit scope.
- Dispose of used batteries in a recycle bin to preserve environment.

ATTACHING THE TV TO A WALL

We recommend that you set up the TV close to a wall so it cannot fall over if pushed backwards.

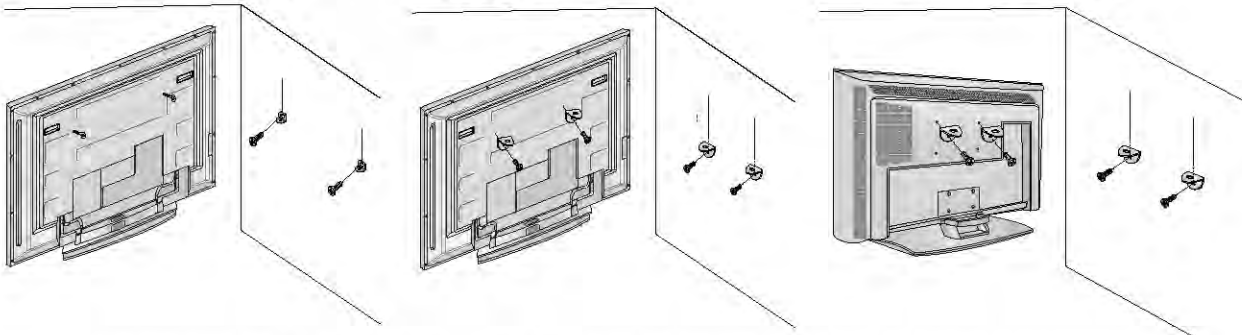
Additionally, we recommend that the TV be attached to a wall so it cannot be pulled in a forward direction, potentially causing injury or damaging the product.

Caution: Please make sure that children don't climb on or hang from the TV.

42PC3D/3DC/3DV, 50PC3D

60PC1D

32/37/42LC2D, 32LC2DU

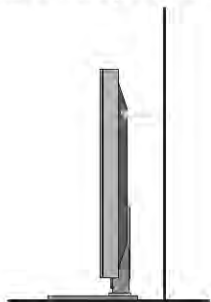


- Insert the eye-bolts (or TV brackets and bolts) to tighten the product to the wall as shown in the picture.

* If your product has the bolts in the eye-bolts position, loosen the bolts.

Secure the wall brackets with the bolts (not provided as parts of the product, must purchase separately) on the wall. Match the height of the bracket that is mounted on the wall to the holes in the product.

Ensure the eye-bolts or brackets are tightened securely.



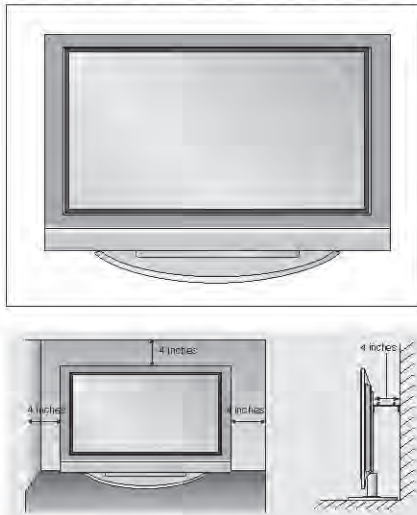
- Use a sturdy rope (not provided as parts of the product, must purchase separately) to tie the product. It is safer to tie the rope so it becomes horizontal between the wall and the product.

Installation

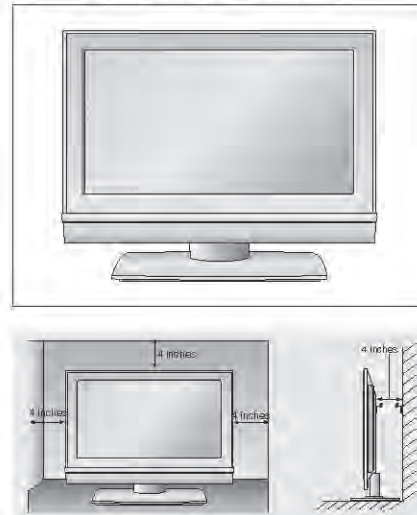
DESKTOP PEDESTAL INSTALLATION

For proper ventilation, allow a clearance of 4 inches on each side from the wall.

42PC3D/3DC/3DV, 50PC3D, 60PC1D



32/37/42LC2D, 32LC2DU



⚠ CAUTION

- ▶ Ensure adequate ventilation by following the clearance recommendations.

- This picture shown below may be somewhat different from your TV.



GROUNDING

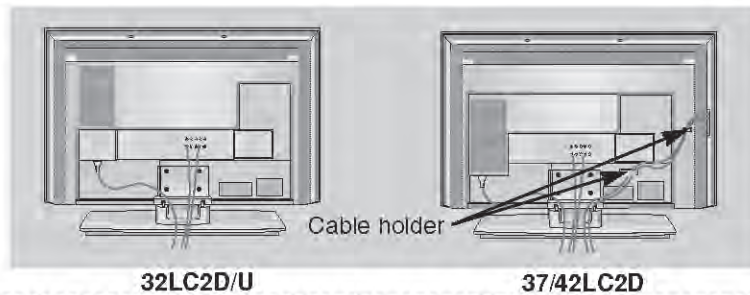
Ensure that you connect the earth ground wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

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

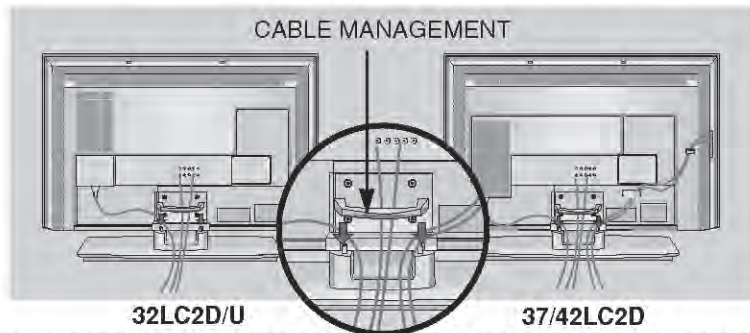
Basic Connection (For 32/37/42LC2D, 32LC2DU)

- 1** Connect the cables as necessary. After connecting the cables neatly, arrange the cables to the Cable Holder.

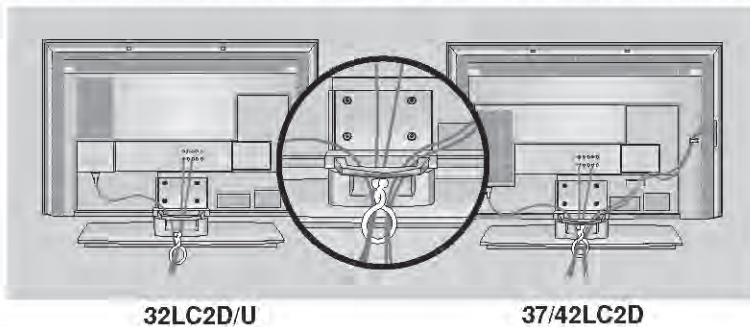
To connect an additional equipment, see the **External equipment Connections** section.



- 2** Reinstall the **CABLE MANAGEMENT** as shown.

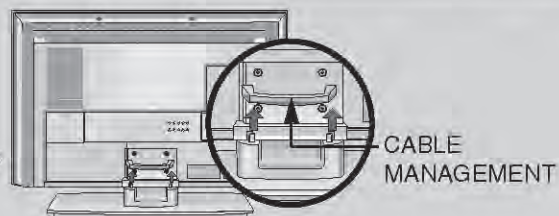


- 3** Bundle the cables using the supplied twister holder.



How to remove the CABLE MANAGEMENT

- Hold the **CABLE MANAGEMENT** with both hands and pull it upward.

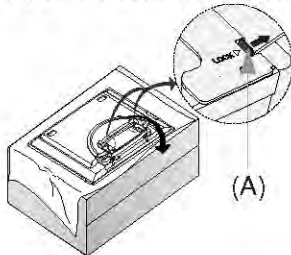


- Do not hold the **CABLE MANAGEMENT** when moving the product.
- If the product is dropped, you may be injured or the product may be broken.

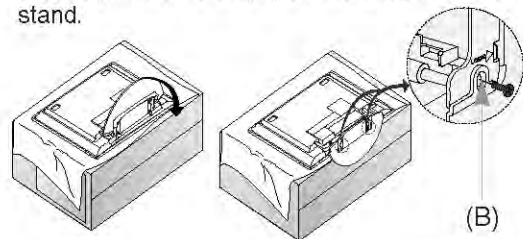
Basic Connection

How to use stand (For 42PC3D/3DC/3DV)

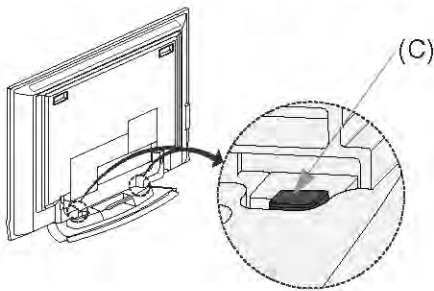
- 1** Place the set with the screen facing down on a cushion or soft cloth as shown. Before unfolding the stand, please make sure two locks (A) on the bottom of the stand push outward.



- 2** Pull the stand out as shown. After unfolding the stand, please insert and tighten the screws (provided as parts of the product) in the holes (B) on the bottom of the stand.



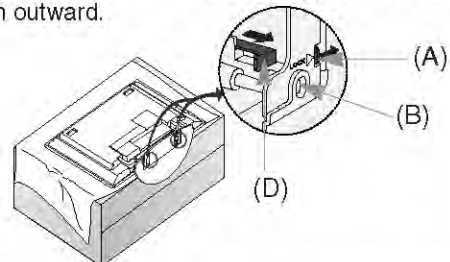
- 3** When connecting cables to the set, Do not disengage the lock (C). This may cause the set to fall, causing serious bodily injury and serious damage to the set.



* Image shown here may be slightly different from your set.

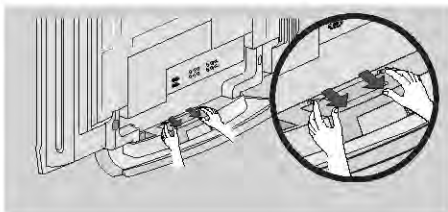
When closing the stand for storage

- First remove the screws in the holes (B) on the bottom of the stand. And then pull two Hooks (D) of the stand bottom and fold the stand into the back of the set.
- After folding, push the two Locks (A) of the stand bottom outward.

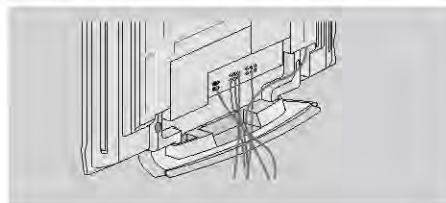


How to arrange the cable (For 50PC3D)

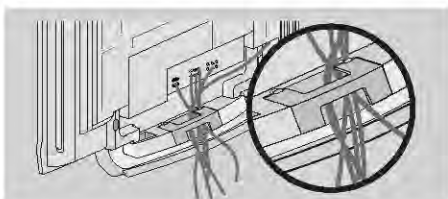
- 1** Hold the **CABLE MANAGEMENT** with both hands and push it as shown.



- 2** Connect the cables as necessary. To connect an additional equipment, see the **External equipment Connections** section.

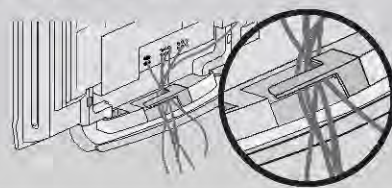


- 3** Reinstall the **CABLE MANAGEMENT** as shown.



For 60PC1D, 42PC3D/3DC/3DV

Arrange the cable as shown.



External Equipment Connections

NOTE: All cables shown are not included with the TV

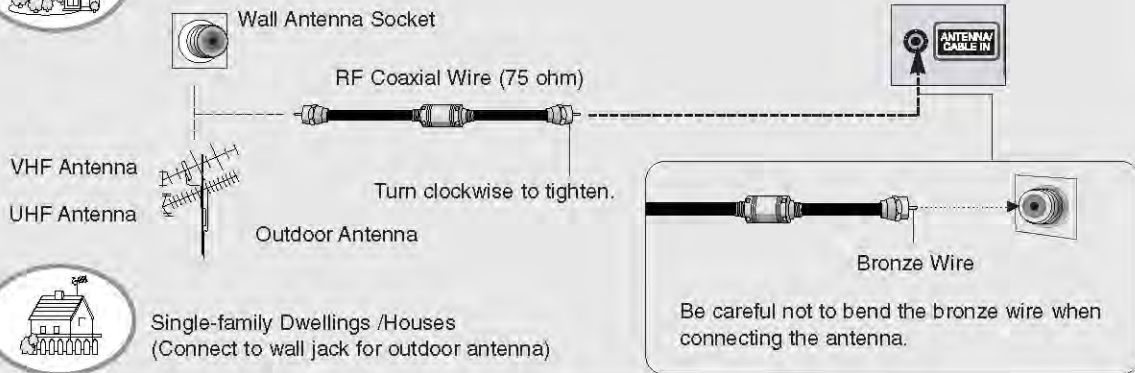
Antenna Or Cable Connection

Analog and Digital TV signals provided on antenna

- Antenna or Cable Service without a Cable Box Connection.
- For optimum picture quality, adjust antenna direction if needed.



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

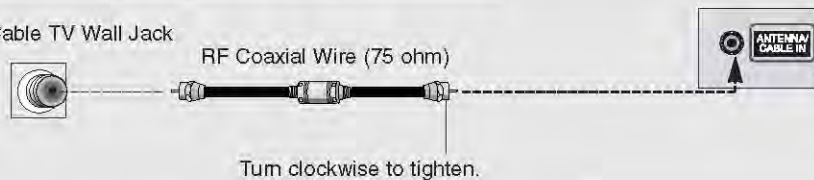


Single-family Dwellings /Houses
(Connect to wall jack for outdoor antenna)

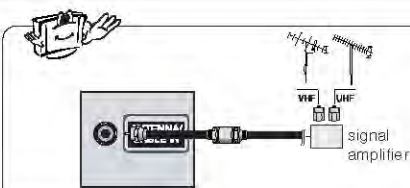
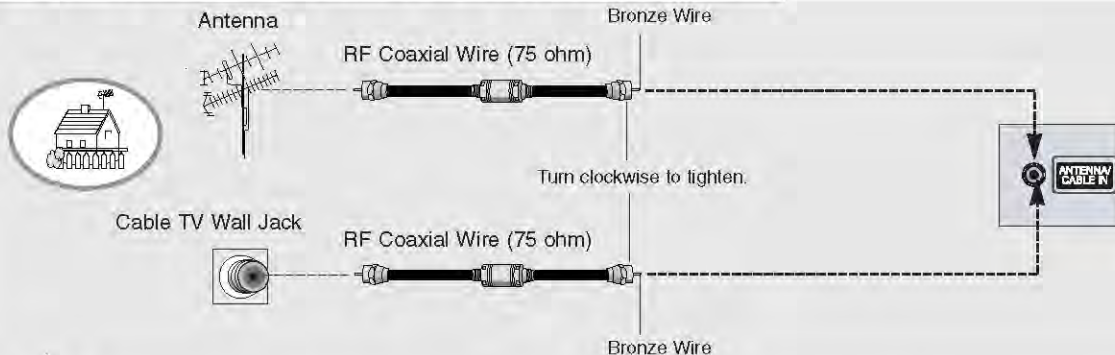
Analog and Digital TV signals provided on cable



Cable TV Wall Jack



Analog and DTV signals provided on two separate antennas

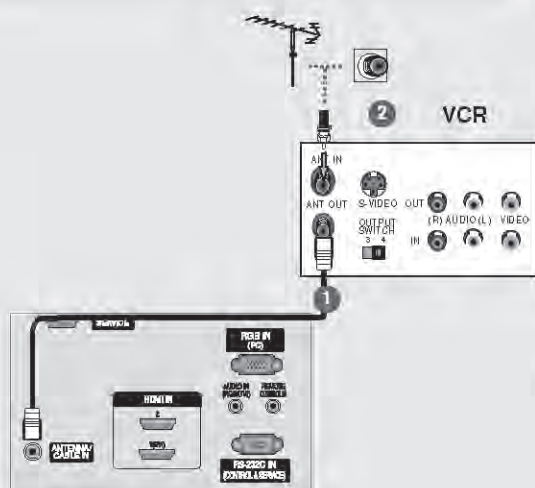


- In a poor signal area to improve picture quality, purchase and install a signal amplifier.
- If the antenna needs to be split for two TV's, install a "2-Way Signal Splitter" in the connections.
- If the antenna is not installed properly, contact your dealer for assistance.

VCR Setup

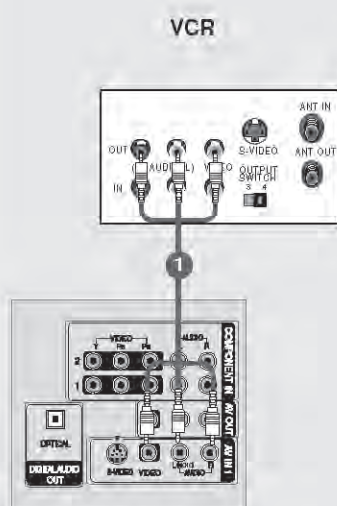
- To avoid picture noise (interference), leave an adequate distance between the VCR and TV.
- Typically a frozen still picture from a VCR. If the 4:3 picture format is used; the fixed images on the sides of the screen may remain visible on the screen.

When connecting with an antenna



- 1 Connect the RF antenna out socket of the VCR to the **Antenna** socket on the set.
- 2 Connect the antenna cable to the RF antenna in socket of the VCR.
- 3 Set VCR output switch to 3 or 4 and then tune TV to the same channel number.
- 4 Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)

When connecting with a RCA cable

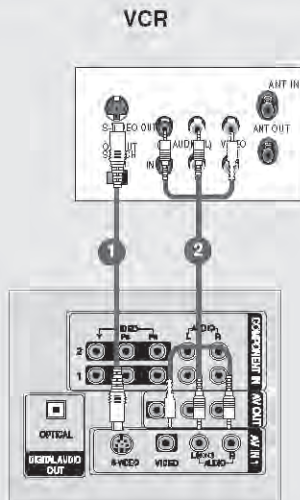


- 1 Connect the **AUDIO/VIDEO** jacks between TV and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)
- 2 Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
- 3 Select **AV1** input source using the **INPUT** button on the remote control.
 - If connected to **AV IN2**, select **AV2** input source.



- If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** jack of the set.

When connecting with an S-Video cable

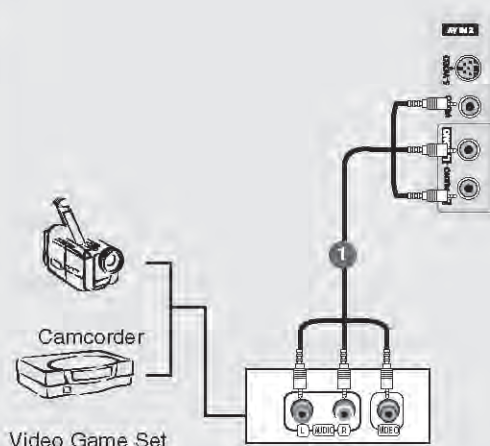


- 1 Connect the S-VIDEO output of the VCR to the **S-VIDEO** input on the set. The picture quality is improved; compared to normal composite (RCA cable) input.
- 2 Connect the audio outputs of the VCR to the **AUDIO** input jacks on the set.
- 3 Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
- 4 Select **AV1** input source with using the **INPUT** button on the remote control.
- If connected to **AV IN2**, select **AV2** input source.



Do not connect to both Video and S-Video at the same time. In the event that you connect both Video and the S-Video cables, only the S-Video will work.

External AV Source Setup



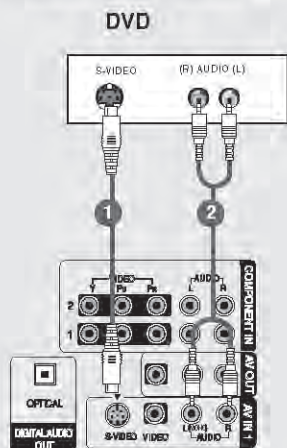
- 1 Connect the **AUDIO/VIDEO** jacks between TV and external equipment. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).
- 2 Select **AV2** input source with using the **INPUT** button on the remote control.
- If connected to **AV IN1** input, select **AV1** input source.
- 3 Operate the corresponding external equipment. Refer to external equipment operating guide.



• This TV finds the connected input sources automatically for AV1, AV2, Component 1-2, RGB, HDMI1/DVI and HDMI2 sources are connected.

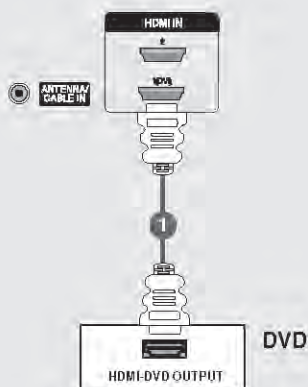
DVD Setup

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 **AUDIO** input jacks on the set.
- 3 Turn on the DVD player, insert a DVD.
- 4 Select **AV1** input source with using the **INPUT** button on the remote control.
- If connected to **AV IN2**, select **AV 2** input source.
- 5 Refer to the DVD player's manual for operating instructions.

When connecting with a HDMI cable

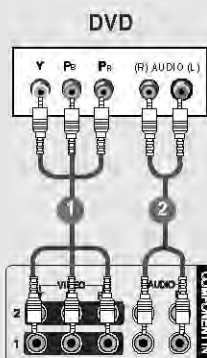


- 1 Connect the HDMI output of the DVD to the **HDMI IN 1(DVI)** or **2** jack on the set.
- 2 Select **HDMI1/DVI** or **HDMI2** input source with using the **INPUT** button on the remote control.
- 3 Refer to the DVD player's manual for operating instructions.



- TV can receive the video and audio signal simultaneously with using a HDMI cable.
- If the DVD supports Auto HDMI function, the DVD output resolution will be automatically set to 1280x720p.
- If the DVD does not support Auto HDMI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the DVD to 1280x720p.

When connecting with a component cable



- 1 Connect the video outputs (Y, Pb, Pr) of the DVD to the **COMPONENT IN VIDEO** jacks on the set.
- 2 Connect the audio outputs of the DVD to the **COMPONENT IN AUDIO** jacks on the set.
- 3 Turn on the DVD player, insert a DVD.
- 4 Select **Component 1** input source with using the **INPUT** button on the remote control.
- If connected to **COMPONENT IN 2**, select **Component 2** input source.
- 5 Refer to the DVD player's manual for operating instructions.



• Component Input ports

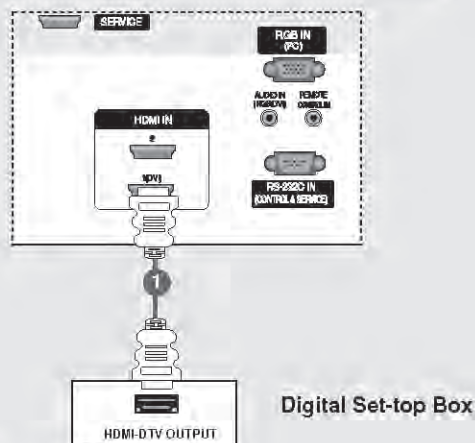
To get better picture quality, connect a DVD player to the component input ports as shown below.

Component ports on the TV	Y	Pb	Pr
Video output ports on DVD player	Y	Pb	Pr
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	P _B	P _R

HDSTB Setup

- 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 HDMI cable

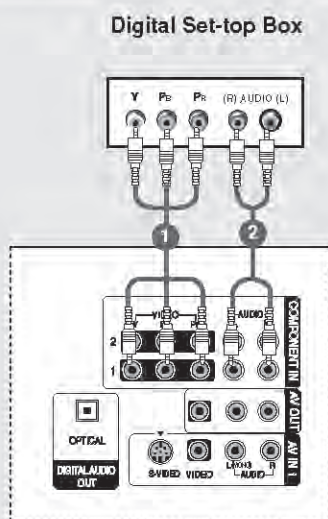


- 1 Connect the HDMI output of the digital set-top box to the **HDMI IN 1(DVI)** or **2** jack on the set.
- 2 Select **HDMI1/DVI** or **HDMI2** input source with using the **INPUT** button on the remote control.
- 3 Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)



- TV can receive the video and audio signal simultaneously using a HDMI cable.
- If the digital set-top box supports Auto HDMI function, output resolution of the digital set-top box will be automatically set to 1280x720p.
- If the digital set-top box does not support Auto HDMI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the digital set-top box to 1280x720p.

When connecting with a Component cable

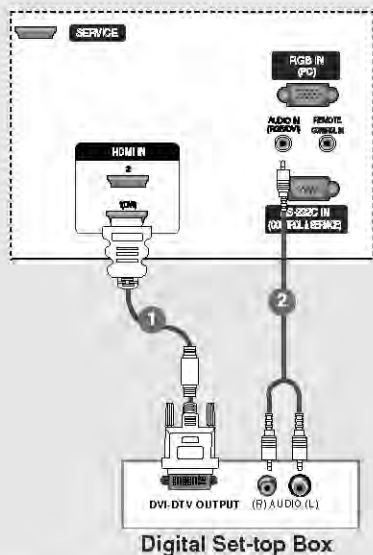


- 1 Connect the video outputs (Y, Pb, Pr) of the digital set-top box to the **COMPONENT IN VIDEO** jacks on the set.
- 2 Connect the audio output of the digital set-top box to the **COMPONENT IN AUDIO** jacks on the set.
- 3 Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
- 4 Select **Component 1** input source with using the **INPUT** button on the remote control.
- If connected to **COMPONENT IN 2**, select **Component 2** input source.



Signal	Component1/2	HDMI1/DVI, HDMI2
480i	Yes	No
480p/720p/1080i	Yes	Yes

When connecting with a HDMI to DVI cable



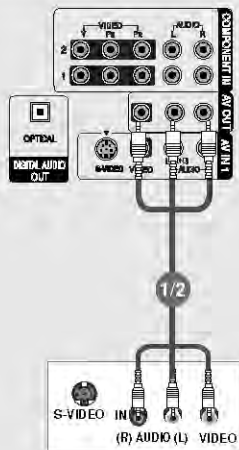
- 1 Connect the DVI output of the digital set-top box to the **HDMI IN 1(DVI)** jack on the set.
- 2 Connect the audio outputs of the set-top box to the **AUDIO IN(RGB/DVI)** jack on the set.
- 3 Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
- 4 Select **HDMI1/DVI** input source with using the **INPUT** button on the remote control.



- If the digital set-top box has a DVI output and no HDMI output, a separated audio connection is necessary.
- If the digital set-top box supports Auto DVI function, the output resolution of the digital set-top box will be automatically set to 1280x720p.
- If the digital set-top box does not support Auto DVI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of the digital set-top box to 1280x720p.

AV Out Setup

- The TV has a special signal output capability which allows you to hook up a second TV or monitor.



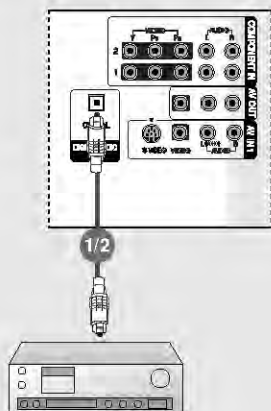
- 1 Connect the second TV or monitor to the TV's **AV OUT** jacks.
- 2 See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.



- Component 1-2, RGB-PC, HDMI1/DVI, HDMI2, DTV input sources cannot be used for Monitor out.
- We recommend to use the video and audio output jacks for VCR recording.

Digital Audio Output

- Send the TV's audio to external audio equipment (stereo system) via the Digital Audio Output Optical port.



- 1 Connect one end of an optical cable to the TV Digital Audio Optical Output port.
- 2 Connect the other end of the optical cable to the digital audio optical input on the audio equipment.
- 3 See the external audio equipment instruction manual for operation.
When connecting with external audio equipments, such as amplifiers or speakers, please turn the TV speakers off. (Refer to p.43)



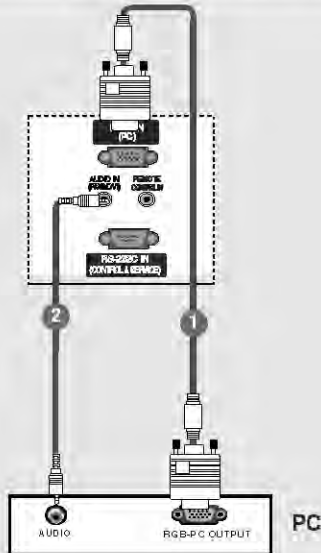
CAUTION

Do not look into the optical port. Looking at the laser beam may damage your vision.

PC Setup

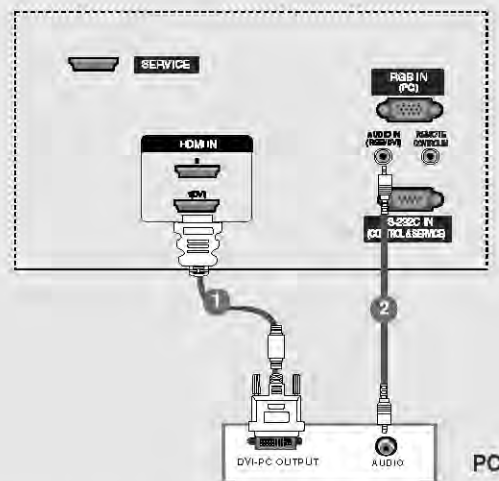
- This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings.

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 **RGB-PC** input source with using the **INPUT** button on the remote control.

When connecting with a HDMI to DVI cable



- 1 Connect the DVI output of the PC to the **HDMI IN 1 (DVI)** jack on the set.
- 2 Connect the audio outputs of the PC to the **AUDIO IN (RGB/DVI)** jack on the set.
- 3 Turn on the PC and the set.
- 4 Select **HDMI1/DVI** input source with using the **INPUT** button on the remote control.



- If the PC has a DVI output and no HDMI output, a separated audio connection is necessary.
- If the PC does not support Auto DVI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of PC graphics card to 1024x768, 60Hz.



1. Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use.
2. When Source Devices connected with HDMI/DVI Input, output PC Resolution (VGA, SVGA, XGA, WXGA), Position and Size may not fit to Screen. Press the ADJUST button to adjust the screen Position of TV SET and contact an PC graphics card service center.
3. When Source Devices connected with HDMI/DVI Input, output TV SET Resolution (480p, 720p, 1080i) and TV SET Display fit EIA/CEA-861-B Specification to Screen. If not, refer to the Manual of HDMI/DVI Source Devices or contact your service center.
4. In case HDMI/DVI Source Devices is not connected Cable or poor cable connection, "NO SIGNAL" OSD display in HDMI/DVI Input. In case that Video Resolution is not supported TV SET output in HDMI/DVI Source Devices, "INVALID FORMAT" OSD display. Refer to the Manual of HDMI/DVI Source Devices or contact your service center.
5. Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC, HDMI/DVI mode. If noise is present, change the PC or HDMI/DVI mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.
6. Avoid keeping a fixed image on the TV's screen for a long period of time. The fixed image may become permanently imprinted on the screen.
7. The synchronization input form for Horizontal and Vertical frequencies is separate.

Supported Display Resolution

RGB-PC, HDMI1/DVI-PC Mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
*640x350	31.469	70.08	1280x768	47.776	59.87
640x480	31.469	59.94	1360x768	47.720	59.799
*720x400	31.469	70.08	1366x768	47.130	59.65
800x600	37.879	60.31			
1024x768	48.363	60.00			

* Only for RGB-PC

HDMI1/DVI-DTV, HDMI2-DTV Mode

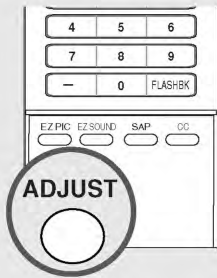
Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x480	31.469	59.94	1920x1080i	33.720	59.94
	31.500	60.00		33.750	60.00
1280x720	44.960	59.94			
	45.000	60.00			

• 42PC3DV is not supported to 1280x768, 1360x768, 1366x768.

Screen Setup for PC mode

- When RGB connect to PC input and select the RGB-PC, this function is used.
- When HDMI/DVI connect to PC input and select HDMI/DVI input, this function is used.
- After connecting RGB-PC or HDMI/DVI to PC input and checking the screen quality.

* Adjustment for screen Resolution, Position, Size, and Phase



Mini Glossary

Position This function is to adjust picture to left/right and up/down as you prefer.

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

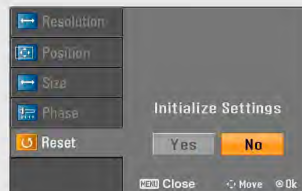
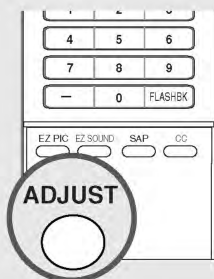
Phase This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

Resolution This function allows you select Resolution of XGA/WXGA.

- 1 Press the **ADJUST** button and then use ▲ / ▼ button to select **Resolution, POSITION, SIZE, or PHASE**.
- 2 Press **ENTER** button and then use ▲ / ▼ / ◀ / ▶ buttons to make appropriate adjustments.
 - The **PHASE** adjustment range is -16 ~ +16.
(In HDMI/DVI-PC mode, **PHASE** is not available.)
 - The **SIZE** adjustment range is -30 ~ +30.
(In HDMI/DVI-PC mode, **SIZE** is not available.)
- 3 Press **ENTER** button.

* When you change the resolution, select the proper resolution in present input to see the best picture appearance.

* Initializing (Reset to original factory values)



- To initialize the adjusted values

- 1 Press the **ADJUST** button and then use ▲ / ▼ button to select the **RESET** option.
- 2 Press **ENTER** button and then use ◀ / ▶ button to select **Yes**.
- 3 Press **ENTER** button.

Operation

Basic operation

Turning on the TV

1. First, connect power cord correctly. At this moment, the TV switches to standby mode.
In standby mode to turn TV on, press the **⏻/I**, **INPUT, CH ▲ / ▼** button on the TV or press the **POWER, TV INPUT, INPUT, CH ▲ / ▼**, Number (0 ~ 9) button on the remote control .
2. Select the viewing source by using **TV INPUT, INPUT** button on the remote control.
This TV is programmed to remember which power state it was last set to, even if the power cord is out.
3. When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

Volume Adjustment

1. Press the **VOL ▲ / ▼** button to adjust the volume.
2. If you want to switch the sound off, press the **MUTE** button.
3. You can cancel this function by pressing the **MUTE** or **VOL ▲ / ▼** button.

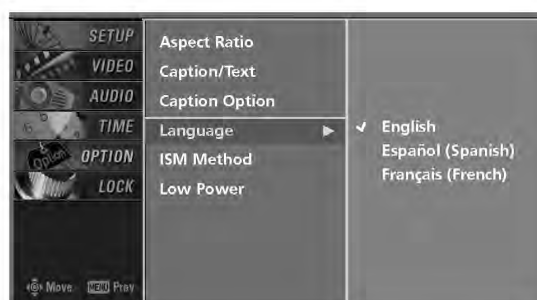
Channel Selection

Press the **CH ▲ / ▼** or **NUMBER** buttons to select a channel number.



- If you intend to be away on vacation, disconnect the power plug from the wall power outlet.

On Screen Menus Language Selection



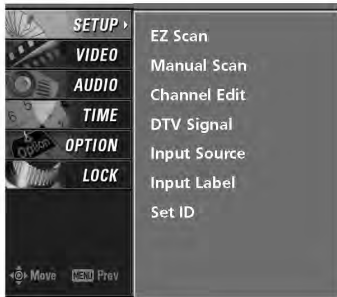
- The menus can be shown on the screen in the selected language. First select your language.

- 1 Press the **MENU** button and then use **▲ / ▼** button to select the **OPTION** menu.
- 2 Press the **▶** button and then use **▲ / ▼** button to select **Language**.
- 3 Press the **▶** button and then use **▲ / ▼** button to select your desired language. From this point on, the on-screen menus will be shown in the selected language.
- 4 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.

On Screen Menus Selection and Adjustment

How to adjust the OSD screen

1. Press the **MENU** button and then **▲** / **▼** button to select each menu.
2. Press the **▶** button and then use **▲** / **▼** / **◀** / **▶** button to display the available menus.



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

Setup Menu Options

EZ Scan (Channel Search)



- Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list.
- Run EZ Scan again after any Antenna/Cable connection changes.
- A password is required to gain access to EZ Scan menu if the Lock System is turned on.

- 1 Press the **MENU** button and then use **▲** / **▼** button to select the **SETUP** menu.
- 2 Press the **▶** button and then use **▲** / **▼** button to select **EZ Scan**.
- 3 Press the **ENTER** button to begin the channel search. Allow EZ Scan to complete the channel search cycle for ANTENNA, and CABLE.

Manual Scan



- A password is required to gain access to Manual Scan menu if the Lock System is turned on.

- 1 Press the **MENU** button and then use **▲** / **▼** button to select the **SETUP** menu.
- 2 Press the **▶** button and then use **▲** / **▼** button to select **Manual Scan**.
- 3 Press the **▶** button and then use **▲** / **▼** button to select TV, DTV, CATV, and CADTV.
- 4 Press the **▶** button and then use **▲** / **▼** button to select channel number you want to add or delete.
- 5 Press the **ENTER** button to add or delete for the channel number.
- 6 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.