

APPENDIX H
: USER'S MANUAL

LG Electronics Inc.
www.lge.com

LCD TV | OWNER'S MANUAL



LCD TV OWNER'S MANUAL

LCD TV MODEL
47LB1DA

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.

LG Electronics Inc.

ENERGY STAR 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.


P/NO : 38289U0512J (0606-REV01)
Printed in Korea


www.lge.com

WARNING / CAUTION



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.

WARNING / CAUTION

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

FCC NOTICE

Class B digital device

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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. Unauthorized modification could void the user’s authority to operate this product

WARNING / CAUTION

SAFETY INSTRUCTION

IMPORTANT SAFETY INSTRUCTIONS

Important safety instructions shall be provided with each apparatus. This information shall be given in a separate booklet or sheet, or be located before any operating instructions in an instruction for installation for use and supplied with the apparatus.

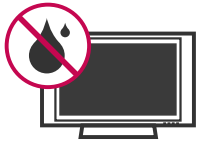
This information shall be given in a language acceptable to the country where the apparatus is intended to be used.

The important safety instructions shall be entitled “Important Safety Instructions”. The following safety instructions shall be included where applicable, and, when used, shall be verbatim as follows. Additional safety information may be included by adding statements after the end of the following safety instruction list. At the manufacturer’s option, a picture or drawing that illustrates the intent of a specific safety instruction may be placed immediately adjacent to that safety instruction :

Read these instructions.
Keep these instructions.
Heed all warnings.
Follow all instructions.



- 1** Do not use this apparatus near water



- 2** Clean only with dry cloth.



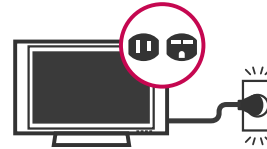
- 3** Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions



- 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.



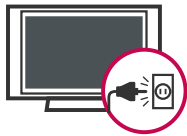
- 7** Only use attachments/accessories specified by the manufacturer.



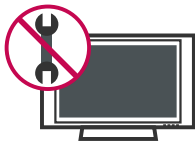
- 8** Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 9** Unplug this apparatus during lightning storms or when unused for long periods of time.



- 10** 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.



- 11** 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.



- 12** Outdoor Use Marking :
WARNING - To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Appliance To Rain Or Moisture



- 13** 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.



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INTRODUCTION

160° - Wide angle range of vision

Your flat panel screen offers an exceptionally broad viewing angle of over 160 degrees. This means that the display is clear and visible to viewers anywhere in the room.

Wide Screen

The wide screen offers a theater-like experience in your own home.

Multimedia

Connect your display to a PC and use it for conferencing, games, and Internet browsing. The Picture-in-Picture feature allows you to view your PC and video images simultaneously.

Versatile

The light weight and thin size makes it easy to install your display in a variety of locations where conventional TVs do not fit.

The Product Manufacturing Process: a few minute colored dots may be present on the TV screen

This TV is composed of 0.9 to 2.2 million cells. A few cell defects will normally occur in the this TV manufacturing process. Several tiny, minute colored dots visible on the screen should be acceptable. This also occurs in other this TV manufacturers' products. The tiny dots appearing does not mean that this TV is defective. Thus a few cell defects are not sufficient cause for this TV to be exchanged or returned. Our production technology minimizes these cell defects during the manufacture and operation of this product.

If the TV feels cold to the touch, there may be a small "flicker" when it is turned 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.
- c. Disposal of this product must be carried out in accordance to the regulations of your local authority.



Official term for an HDTV that conforms to the plug-and-play digital cable TV standard using POD (Point of Deployment) access cards, also called CableCARDS, that allow users to plug the cable directly into an HDTV set and enjoy HDTV and digital cable without having to use a separate set-top box.



SRS is a trademark of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.



Manufactured under license from BBE Sound, Inc.



Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.



High-definition television. High-resolution digital television broadcast and playback system composed of roughly a million or more pixels, 16:9 aspect-ratio screens, and AC3 digital audio. A subset of digital television, HDTV formats include 1080i and 720p resolutions.



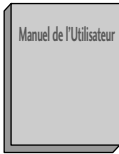
HDMI™, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing."



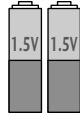
LC's own special digital image generator, consisting of a full digital image processor, APM mode & six different main picture quality factors.

ACCESSORIES

Ensure that the following accessories are included with your product. If an accessory is missing, please contact the dealer where you purchased the product.



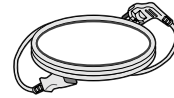
Owner's Manual



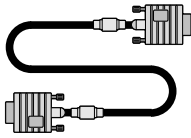
Batteries



Remote Control



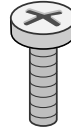
Power Cord



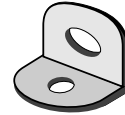
D-sub 15 pin Cable



75ohm Round Cable



2-TV Bracket Bolts



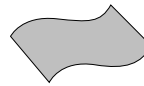
**2-TV Brackets,
2-Wall Brackets**



Twister Holder
Arrange the wires
with the twister holder.



Cable Management
(Refer to p.15)



Polishing Cloth
Polish the screen with the cloth.

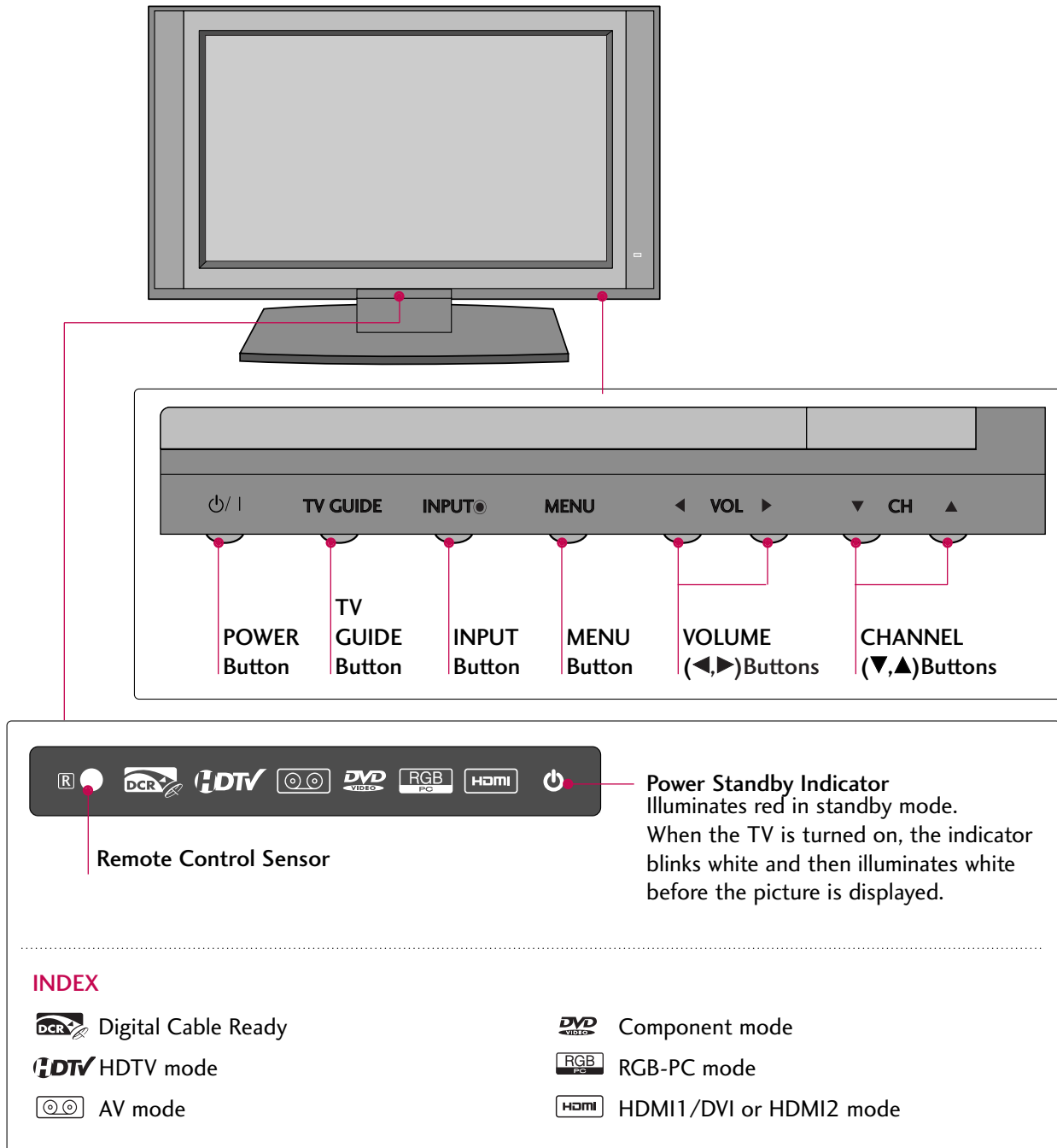
INTRODUCTION

CONTROLS

- Here shown may be somewhat different from your TV.

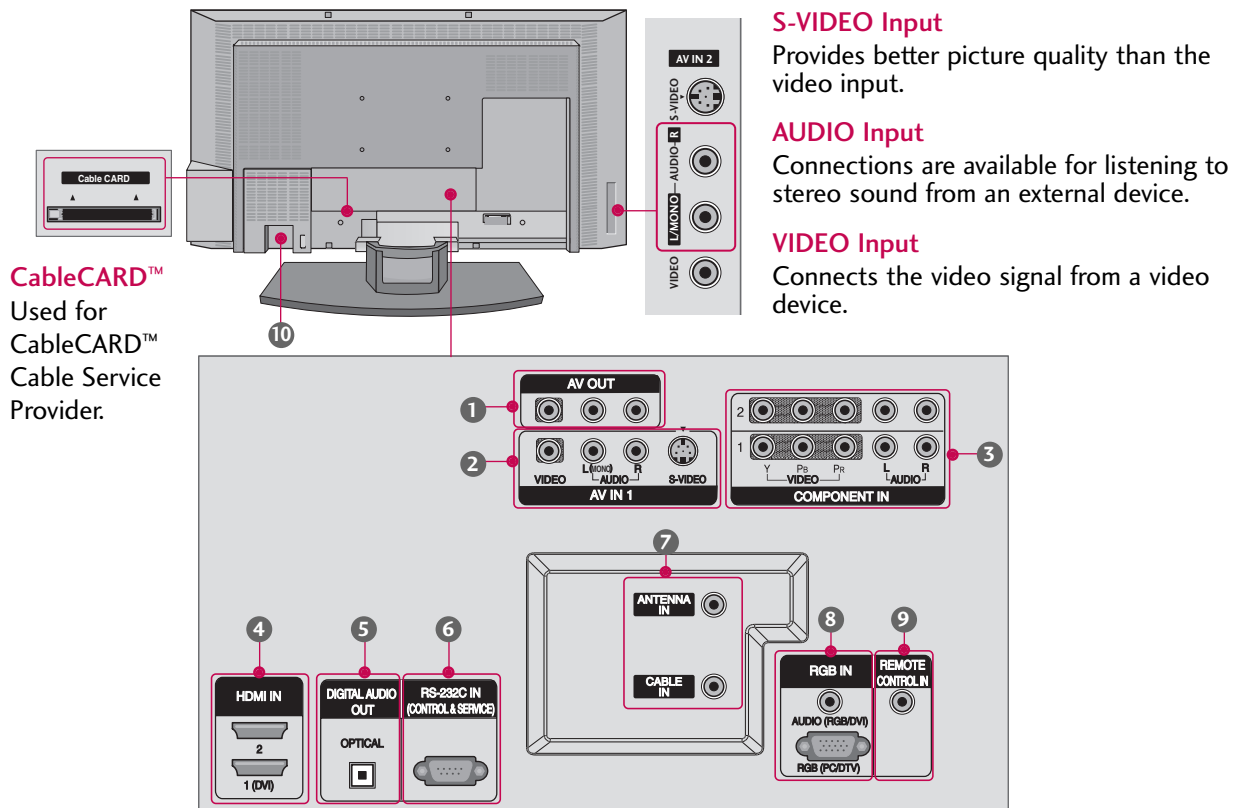
Front Panel Controls

INTRODUCTION



CONNECTION OPTIONS

Back Connection Panel



- 1 **AV OUT**
Connect a second TV or monitor.
- 2 **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.
- 3 **COMPONENT IN**
Connect a component video/audio device to these jacks.
- 4 **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.
- 5 **DIGITAL AUDIO OUT**
Connect digital audio from various types of equipment.
Note: In standby mode, these ports do not work.
- 6 **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
- 7 **ANTENNA IN**
Connect over-the air signals to this jack.
CABLE IN
Connect cable signals to this jack.
- 8 **RGB/AUDIO IN**
Connect the monitor output from a PC to the appropriate input port.
- 9 **Remote Control Port**
Connect your wired remote control.
- 10 **Power Cord Socket**
For operation with AC power.
Caution:
Never attempt to operate the TV on DC power.

TV, DVD, VCR, Select the remote operating mode: TV, DVD, or VCR.

PIP Switches the sub picture PIP, POP, Twin picture or off mode. ▶ p.58-61

PIP CH-/PIP CH+ Changes the PIP channel. ▶ p.59

PIP INPUT Select the connected input source for the sub-picture. ▶ p.59

SWAP Exchange the main/sub images. ▶ p.60

EZ PIC Adjust the factory preset picture depend on the viewing environment. ▶ p.69

EZ SOUND Select the appropriate type of sound for type of program. ▶ p.80

INFO Display information at the top of the screen. ▶ p.97

VCR/DVD control buttons Control video cassette recorders or DVD players.

DAY+/DAY- Move the Listings Grid forward or backward in 24 hour increments.

THUMBSTICK (Up/Down/Left Right/ENTER) Navigate the on-screen menus and adjust the system settings to your preference.

VOLUME +/- Increase/decrease the sound level.

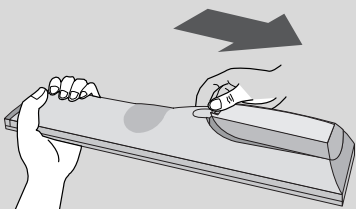
FLASHBK Tune to the last channel viewed.

MUTE Switch the sound on or off. ▶ p.38

CHANNEL +/- Select available channels.

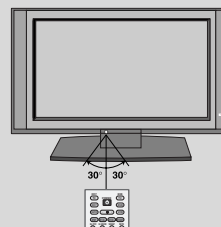
PAGE UP/DOWN Move from one full set of screen information to the next one.

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



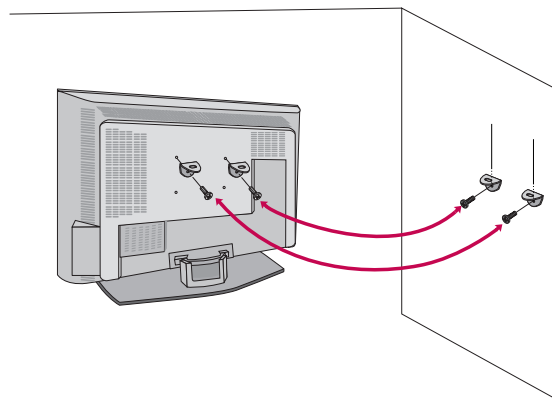
- Use a remote control up to 7 meters distance and 30 degree (left/right) within the receiving unit scope.
- Dispose of used batteries in a recycle bin to preserve environment.

INSTALLATION

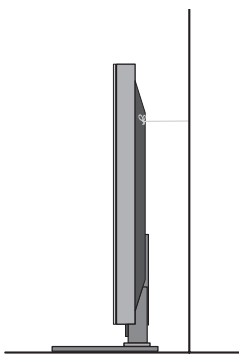
ATTACHING THE TV TO A WALL

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.

INSTALLATION



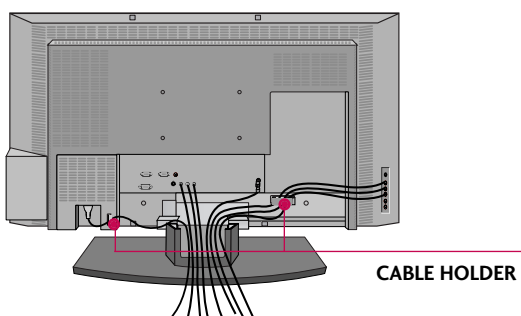
- Insert the eye-bolts (or TV brackets and bolts) to tighten the product to the wall as shown in the picture. Secure the wall brackets with the bolts (not provided as parts of the product, must purchase separately) on the wall. Match the height of the bracket that is mounted on the wall to the holes in the product. Ensure the eye-bolts or brackets are tightened securely.



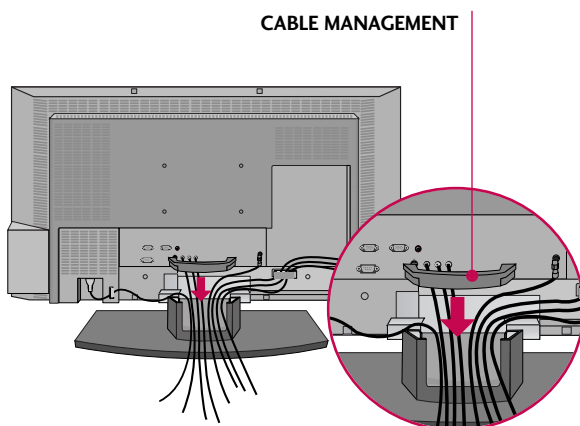
- Use a sturdy rope (not provided as parts of the product, must purchase separately) to tie the product. It is safer to tie the rope so it becomes horizontal between the wall and the product.

WIRE ARRANGEMENT

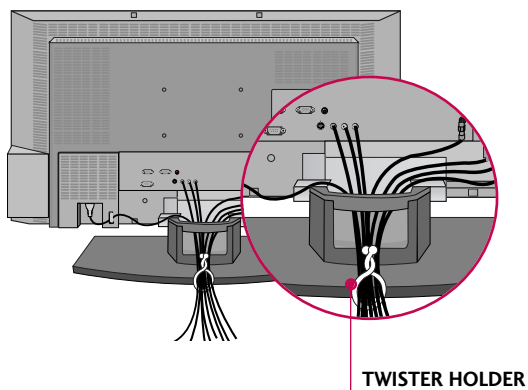
- 1 Connect the cables as necessary.
After connecting the cables neatly, arrange the cables to the Cable Holder.
To connect an additional equipment, see the **External equipment Connections** section.



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

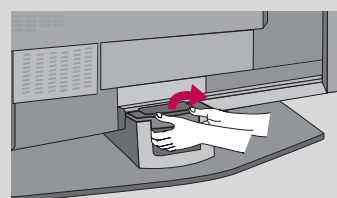


- 3 Bundle the cables using the supplied twister holder.



How to remove the CABLE MANAGEMENT

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



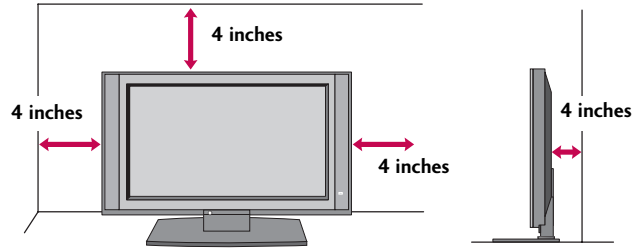
! NOTE

- ▶ 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.

INSTALLATION

DESKTOP PEDESTAL INSTALLATION

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

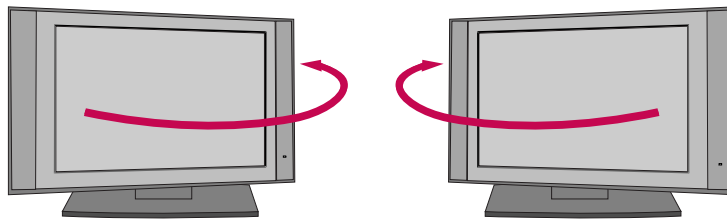


INSTALLATION

⚠ CAUTION

- ▶ Ensure adequate ventilation by following the clearance recommendations.

SWIVEL STAND



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

CONNECTIONS & SETUP

CABLECARD™ SETUP

1. How to use

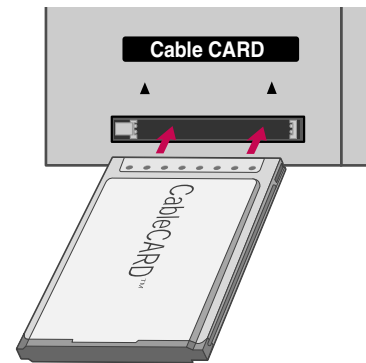
Insert the CableCARD™ from your cable service provider into the CableCARD™ slot on the back of your TV. If pairing information about this TV and the CableCARD is displayed on the screen, contact your cable service provider.

! NOTE

- ▶ This TV supports CableCARD™ technology from Motorola, Scientific Atlanta, and SCM.

! CAUTION

- ▶ When removing, do not drop it as this may cause damage to the CableCARD™.



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.

This TV supports HDCP (High-bandwidth Digital Contents Protection) protocol for Digital Contents (480p,720p,1080i).

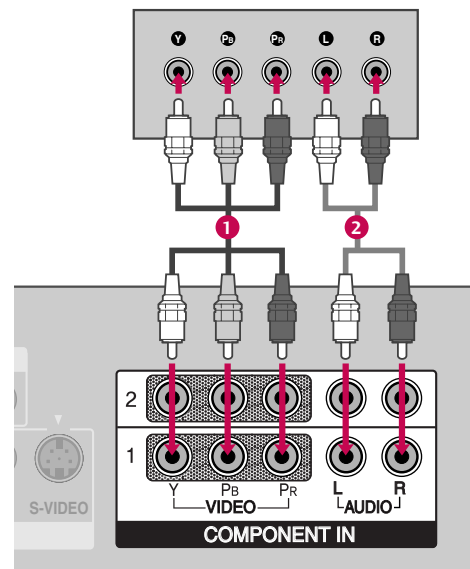
When connecting Component cable

1. How to connect

- 1 Connect the video outputs (Y, PB, PR) of the digital set-top box to the **COMPONENT IN VIDEO 1** jacks on the set. Match the jack colors (Y = green, PB = blue, and PR = red).
- 2 Connect the audio output of the digital set-top box to the **COMPONENT IN AUDIO 1** jacks on the set.

2. How to use

- Turn on the digital set-top box.
(Refer to the owner's manual for the digital set-top box.)
- Select **COMPONENT 1** input source with using the **INPUT** button on the remote control.
- If connected to **COMPONENT IN2** input, select **COMPONENT 2** input source.



Signal	Component 1/2	HDMI1/DVI, RGB-DTV, HDMI2
480i	Yes	No
480p	Yes	Yes
720p	Yes	Yes
1080i	Yes	Yes

CONNECTIONS & SETUP

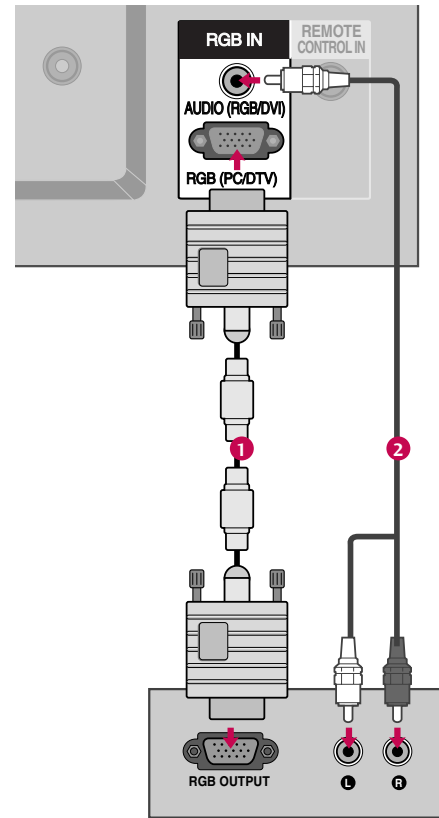
When connecting D-sub 15pin cable

1. How to connect

- 1 Connect the RGB output of the digital set-top box to the **RGB (PC/DTV)** jack on the set.
- 2 Connect the audio outputs of the set-top box to the **AUDIO (RGB/DVI)** jack on the set.

2. How to use

- Turn on the digital set-top box.
(Refer to the owner's manual for the digital set-top box.)
- Select **RGB-DTV** input source with using the **INPUT** button on the remote control.



When connecting HDMI cable

1. How to connect

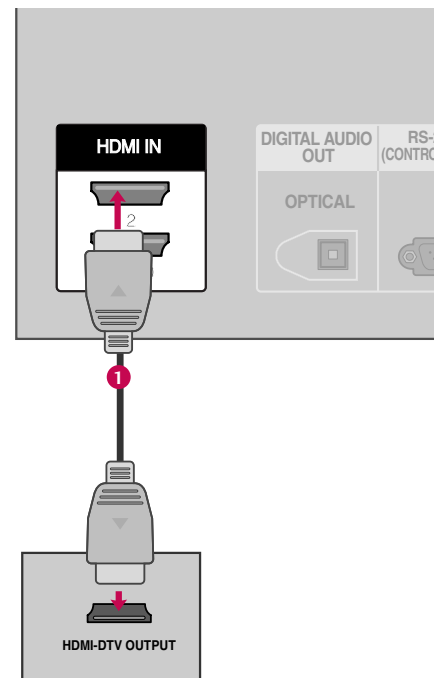
- 1 Connect the digital set-top box to **HDMI IN 1 (DVI)** or **2** jack on the set.
- 2 No separated audio connection is necessary.

2. How to use

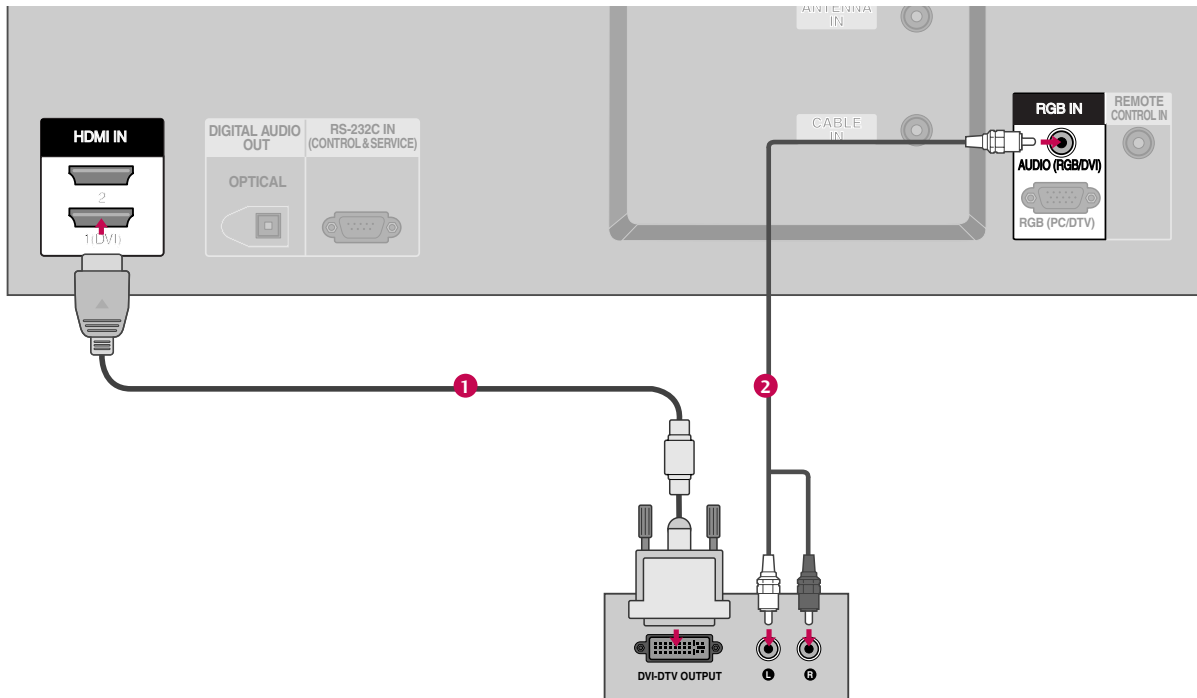
- Turn on the digital set-top box.
(Refer to the owner's manual for the digital set-top box.)
- Select **HDMI1/DVI** or **HDMI2** input source with using the **INPUT** button on the remote control.

! NOTE

- ▶ If the digital set-top box supports Auto HDMI function, the output resolution of the source device will be automatically set to 1280x720p.
- ▶ If the digital set-top box player 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 source device to 1280x720p.



When connecting HDMI to DVI cable



1. How to connect

- 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 output of the digital set-top box to the **AUDIO (RGB/DVI)** jack on the set.

2. How to use

- Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
- Select **HDMI1/DVI** input source with using the **INPUT** button on the remote control.

PC SETUP

This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings. The TV perceives 640x480, 60Hz as DTV 480p based on the PC graphic card. If necessary, change the screen scanning rate for the graphic card accordingly.

When connecting D-sub 15pin cable

1. How to connect

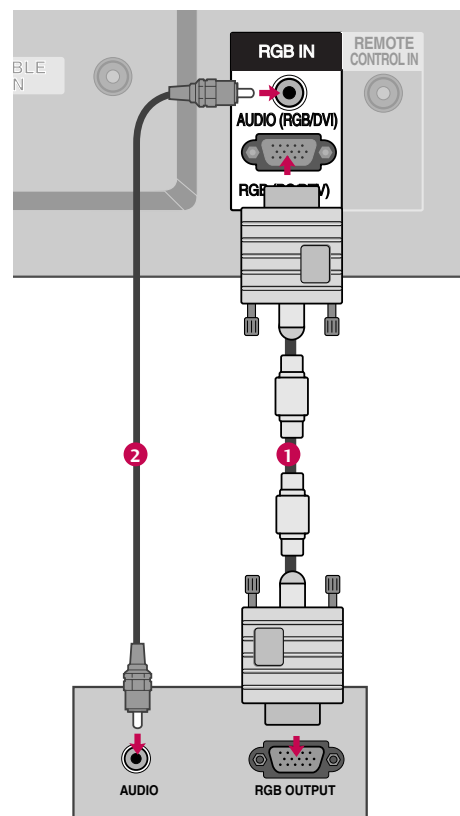
- 1 Connect the RGB output of the PC to the **RGB (PC/DTV)** jack on the set.
- 2 Connect the PC audio output to the **AUDIO (RGB/DVI)** jack on the set.

2. How to use

- Turn on the PC and the set.
- Select **RGB-PC** input source in main input option of **SETUP** menu. (▶ p.67)
- Once you select **RGB-PC** in main input option of **SETUP** menu, **INPUT** button is also available for this purpose.

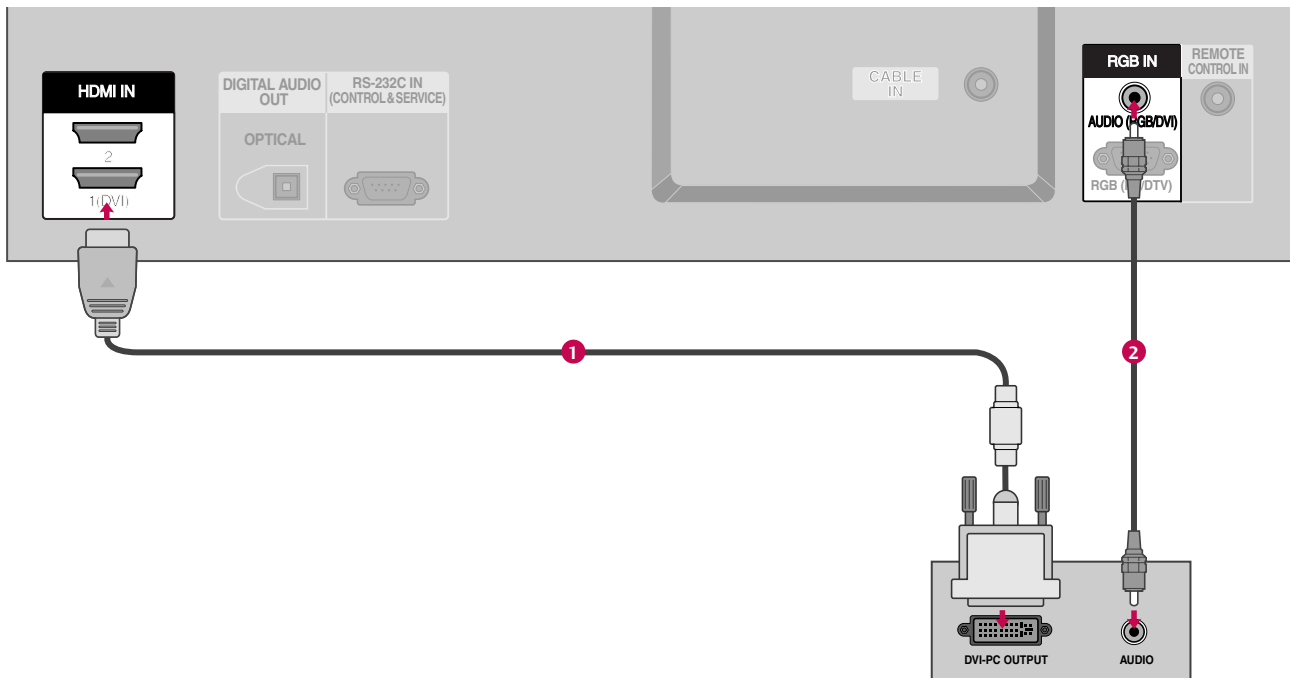
! NOTE

- ▶ Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the **VIDEO** 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.



CONNECTIONS & SETUP

When connecting HDMI to DVI cable



1. How to connect

- 1 Connect the DVI output of the PC to the **HDMI IN 1 (DVI)** jack on the set.
- 2 Connect the PC audio output to the **AUDIO (RGB/DVI)** jack on the set.

2. How to use

- Turn on the PC and the set
- Select **HDMI1/DVI** input source with using the **INPUT** button on the remote control.

! NOTE

- ▶ HDMI2 source does not support DVI source.
- ▶ 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's output resolution to 1024x768, 60Hz.

! NOTES

- ▶ To get the the best picture quality, adjust the PC graphics card to 1024x768, 60Hz.
- ▶ Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use.
- ▶ When Source Devices are connected with HDMI/DVI Input, the output PC Resolution (VGA, SVGA, XGA), Position and Size may not fit on the Screen. As shown in the picture, press the ADJUST button to adjust the screen Position of the TV SET and contact a PC graphics card service center.
- ▶ 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.
- ▶ If the HDMI/DVI Source Device is not connected to the Cable or if there is a poor cable connection, "No signal" is displayed in the HDMI/DVI Input. In this case, that Video Resolution is not supported. If "Invalid Format" is displayed, refer to the Source Device manual or contact your service center.
- ▶ Avoid keeping a fixed image on the screen for a long period of time. The fixed image may become permanently imprinted on the screen.
- ▶ The synchronization input form for Horizontal and Vertical frequencies is separate.

Supported Display Specifications (RGB/HDMI-PC)

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
640x350	31.468	70.09
720x400	31.469	70.08
640x480	31.469	59.94
	37.861	72.80
	37.500	75.00
800x600	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02
1280x768	47.776	59.870
1360x768	47.720	59.799

* RGB-PC mode only: 640x350, 720X400

* HDMI-PC mode only: 1280x768

Supported Display Specifications (RGB/HDMI-DTV)

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
720x480	31.47	60
	31.47	59.94
1280x720	45.00	60.00
	44.96	59.94
1920x1080	33.75	60.00
	33.72	59.94

CONNECTIONS & SETUP

Screen Setup for PC mode

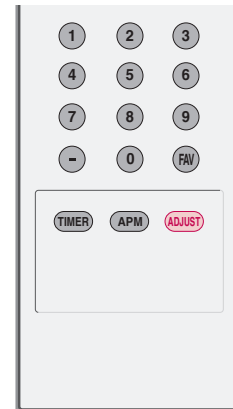
Overview

When RGB connect to PC output and select the RGB-PC in Main Input, this function is used.

When HDMI IN 1 (DVI) connect to PC output and select HDMI1/DVI input, this function is used.

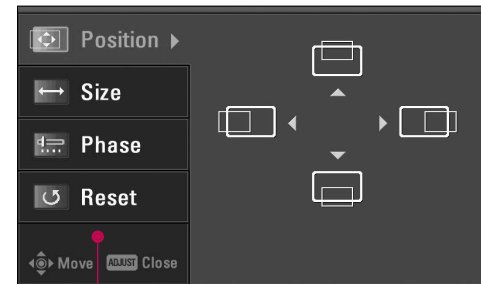
In RGB-DTV mode, SIZE and PHASE is not available.

In HDMI-PC mode, SIZE is not available for 47LB1DA.



Adjustment for screen Position, Size, Phase, Reset

- 1 Press the **ADJUST** button and then use ▲ or ▼ button to select **Position**, **Size**, or **Phase**.
- 2 Press the **ENTER** button and then use ▲ ▼ ◀ ▶ button to make appropriate adjustments.
 - The **Phase** adjustment range is -16 ~ +16.
 - The **Size** adjustment range is -30 ~ +30.
- 3 Press the **ENTER** button.



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

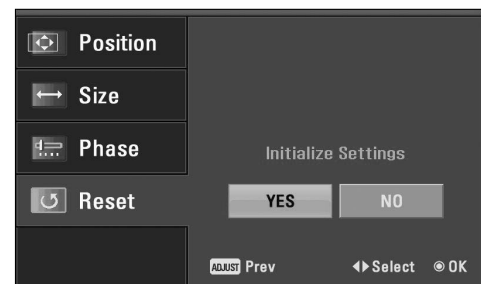
Size This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

Phase This function allows you to remove any horizontal noise and clear or sharpen the image of characters. In HDMI/DVI-PC mode, PHASE is not available.

Initializing (Reset to original factory values)

To initialize the adjusted values

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



1 2 3

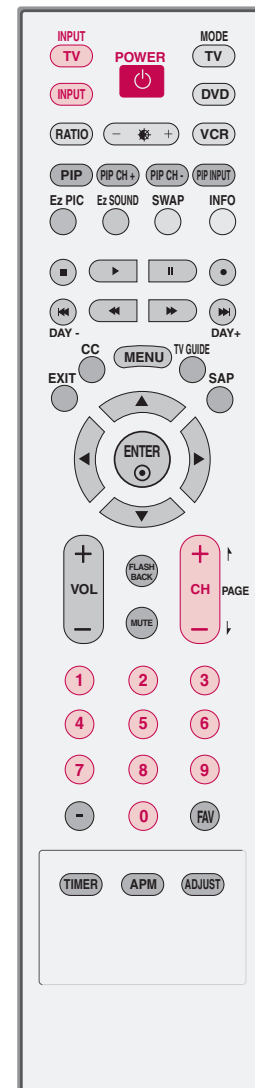
BASIC OPERATION

TURNING THE TV ON

- 1** First, connect power cord correctly.
At this moment, the TV switches to standby mode.
 - In standby mode, press the $\phi/|$, **INPUT**, **CH** (\blacktriangle or \blacktriangledown) button on the TV or press the **POWER**, **INPUT**, **TV**, **INPUT**, **CH**(+ or-), **Number (0~9)** button on the remote control.
- 2** Select the viewing source by using the **INPUT** button on the remote control.
 - This TV is programmed to remember which mode it was last set to, even if you turn the TV off.
- 3** When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

! NOTE

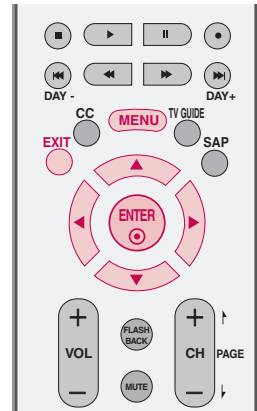
- ▶ If you intend to be away on vacation, disconnect the power plug from the wall power outlet.
- ▶ After turning on the TV, it could take up to a week for the TV Guide On Screen system to receive full listings data.
- ▶ When the TV is turned on, the indicator will blink white before the picture is seen.



BASIC OPERATION

ON-SCREEN MENUS LANGUAGE SELECTION

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

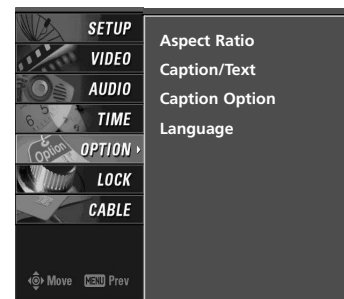


1 Press the **MENU** button and then use ▲ or ▼ button to select the **OPTION** menu.

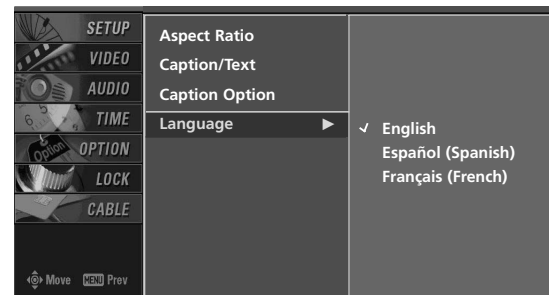
2 Press the ► button and then use ▲ or ▼ button to select **Language**.

3 Press the ► button and then use ▲ or ▼ button to select your desired language.
From this point on, the on-screen menus will be shown in the selected language.

4 Press the **EXIT** button to return to TV viewing or press **MENU** to return to the previous menu.



1



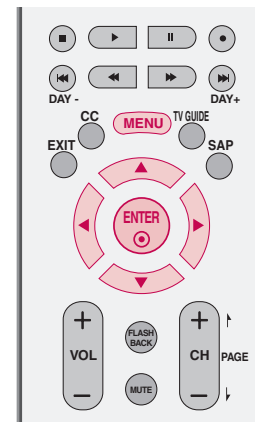
2 **3**

INITIAL CHANNEL SEARCH (EZ SCAN)

This feature automatically finds all channels available through the antenna or cable input and stores them in memory on the channel list.

Run EZ Scan again after any Antenna/Cable connection changes.

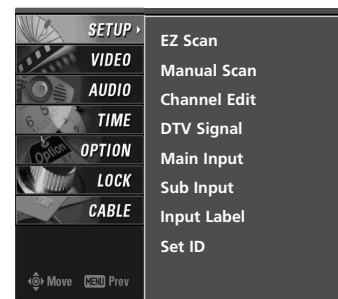
Note: A password is required to gain access to EZ Scan menu if the Lock System is turned on.



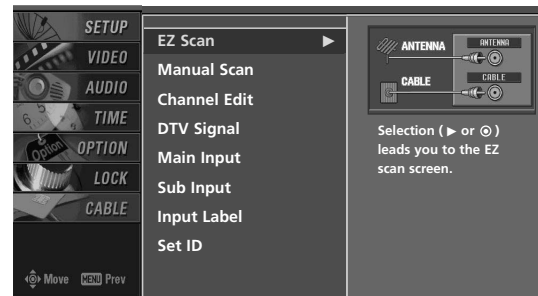
1 Press the **MENU** button and then use **▲** or **▼** button to select the **SETUP** menu.

2 Press the **▶** button and then use **▲** or **▼** button to select **EZ Scan**.

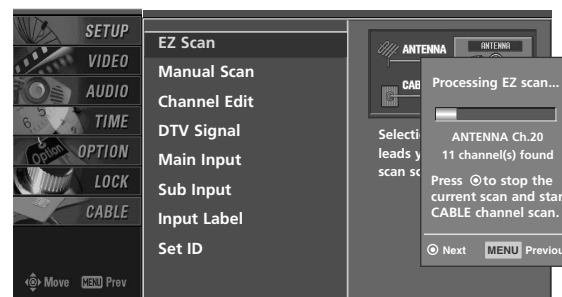
3 Press the **ENTER** button to begin the channel search. Allow EZ Scan to complete the channel search cycle for ANTENNA and CABLE.



1



2

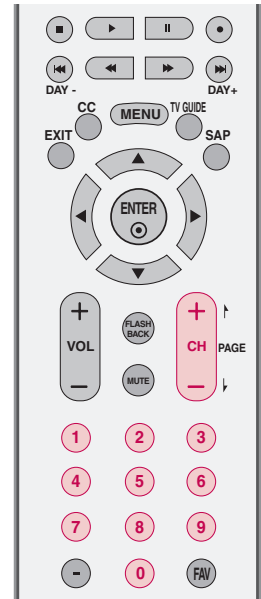


3

BASIC OPERATION

CHANNEL SELECTION

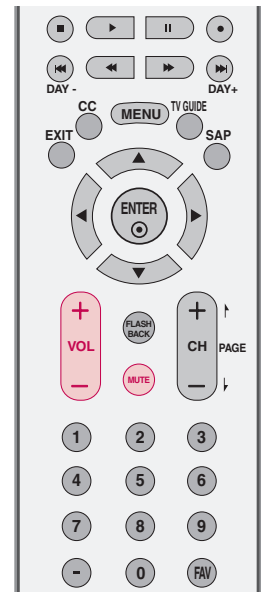
-
- 1 Press the **CH +/-** or **NUMBER** buttons to select a channel number.
-



VOLUME ADJUSTMENT

Adjust the volume to suit your personal preference.

-
- 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 the Mute function by pressing the **MUTE** or **VOL +/-** button.
-



TV GUIDE ON SCREEN™ SYSTEM

TV GUIDE ON SCREEN SETUP

The TV Guide On Screen system uses Setup information to provide you with show listings and lineups in your area—which are updated several times a day.

Once you set up the TV according to manufacturer's instructions, you are ready to set up the TV Guide On Screen system.

! NOTE

- ▶ The TV Guide On Screen system provides listings for cable-ready, and digital cable services as well as over-the-air broadcast. It does not provide listings for satellite services.

Ready to setup

1 Welcome Screen

The TV Guide On Screen system's Welcome Screen appears:

- By pressing the **TV GUIDE** button
- When you power On your TV if you previously skipped "Set up TV Guide On Screen now" on the Reminder Screen.

The Welcome Screen highlights features of the TV Guide On Screen system.

Press the **ENTER** button to begin Setup.



1

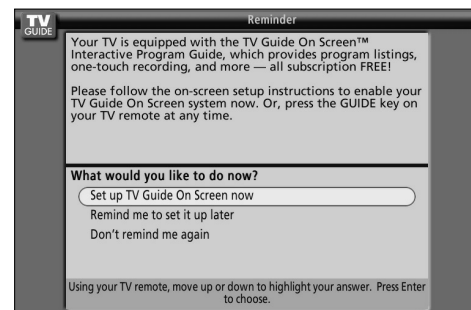
2 Reminder Screen

The TV Guide On Screen system's Reminder Screen appears:

- After initial TV set up.
- If you power Off the TV and then power it back On.

To make a selection, use the **▲** or **▼** button to highlight an option, and press the **ENTER** button.

- "Set up TV Guide On Screen now", displays the Welcome Screen. Press the **ENTER** button to begin Setup.
- "Remind me to set up later" returns you to watching TV.
- "Don't remind me again" returns you to watching TV and stops the reminder screen from appearing upon power On.



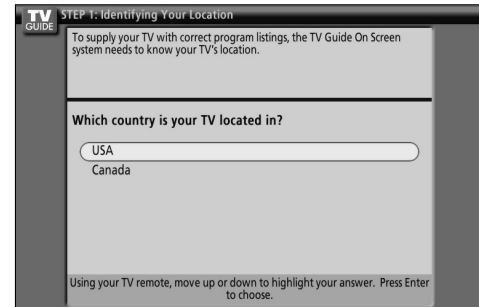
2

TV GUIDE ON SCREEN™ SYSTEM

Using TV Guide

1 Screen 1: Country

- This screen asks you the location of your TV.
- Use the ▲ or ▼ button to highlight a country.
- Press the **ENTER** button to display Screen 2.

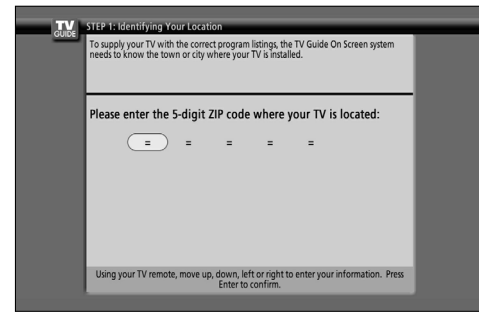


1

2 Screen 2: Enter ZIP or Postal Code

Option 1

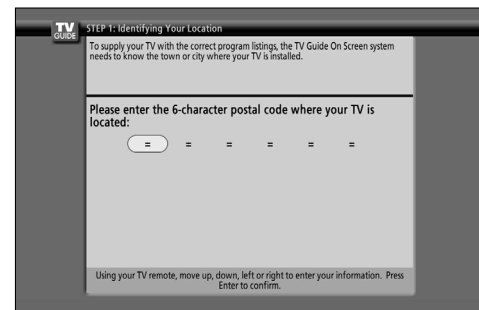
- If you selected USA in Screen 1, you see the ZIP Code screen.
- You input numbers by either pressing the number keys on the remote or using the ▲ or ▼ button to display a number, and then the ◀ or ▶ button to move to another field.
- Press the **ENTER** button to display Screen 3.



2

Option 2

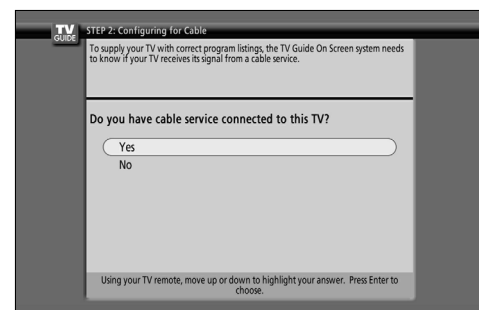
- If you selected Canada in Screen 1, you see the Postal Code screen.
- You input characters by using the ▲ or ▼ button, and then the ◀ or ▶ button to move to another field.
- Press the **ENTER** button to display Screen 3.



2

3 Screen 3: Do you have Cable Service connected?

- If you select Yes, you see Screen 4.
- If you select No, you see Screen 4.



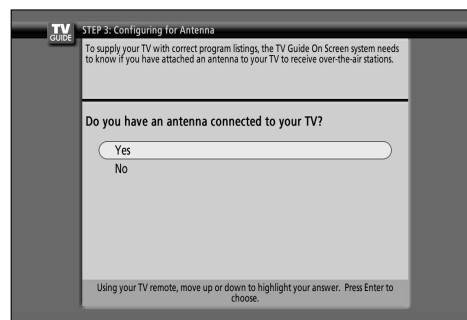
3

4 Screen 4: Do you have an antenna connected?

- If you select Yes, you see Screen 5.
- If you select No, you see Screen 5.

! NOTE

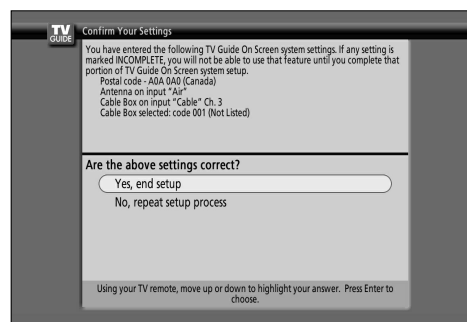
- ▶ If you selected No in Screen 3 then you must select Yes in this screen to receive a channel lineup and listings.



4

5 Screen 5: Are your basic settings correct?

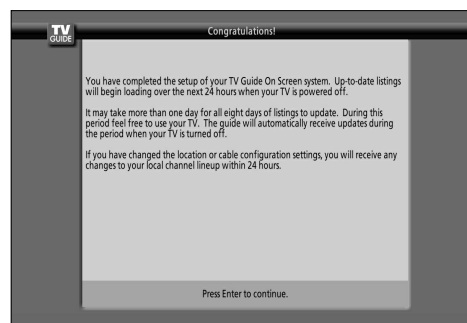
- If you select Yes, you see Screen 6.
- If you select No, you see Screen 1.



5

6 Screen 6: Congratulations

- Press the **ENTER** button to display Screen 7.



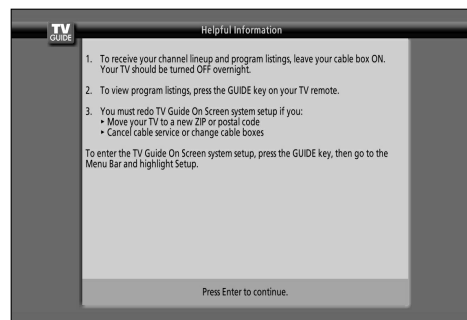
6

7 Screen 7: Helpful Information

- This screen tells you valuable information on using your Guide.
- Press the **ENTER** button to watch TV.

! NOTE

- ▶ The TV Guide On Screen system receives program listings data through your cable or over-the-air video signal. In order to receive regular program listings, please remember to do the following:
 1. Turn OFF your TV when it is not in use. (Do not unplug the power cord.)
 2. If you have more than one Cable system in your area, you may be prompted to select which Cable system's program data to download. If so prompted, please follow the on-screen instructions.
- ▶ Program listings are updated several times a day. It may take up to 24 hours to begin to receive any TV program listings. It may take up to one week to receive all eight days of TV program listings.



7

TROUBLESHOOTING CHECKLIST

The operation does not work normally.	
The remote control doesn't work	<ul style="list-style-type: none"> ■ Check to see if there is any object between the product and the remote control causing obstruction. Ensure you are pointing the remote control directly at the TV. ■ Ensure that the batteries are installed with correct polarity (+ to +, - to -). ■ Ensure that the correct remote operating mode is set: TV, VCR etc. ■ Install new batteries.
Power is suddenly turned off	<ul style="list-style-type: none"> ■ Is the sleep timer set? ■ Check the power control settings. Power interrupted. ■ No broadcast on station tuned with Auto off activated.

The operation does not work normally.	
No picture & No sound	<ul style="list-style-type: none"> ■ Check whether the product is turned on. ■ Try another channel. The problem may be with the broadcast. ■ Is the power cord inserted into wall power outlet? ■ Check your antenna direction and/or location. ■ Test the wall power outlet, plug another product's power cord into the outlet where the product's power cord was plugged in.
Picture appears slowly after switching on	<ul style="list-style-type: none"> ■ This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.
No or poor color or poor picture	<ul style="list-style-type: none"> ■ Adjust Color in menu option. ■ Keep a sufficient distance between the product and the VCR. ■ Try another channel. The problem may be with the broadcast. ■ Are the video cables installed properly? ■ Activate any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	<ul style="list-style-type: none"> ■ Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	<ul style="list-style-type: none"> ■ Station or cable product experiencing problems, tune to another station. ■ Station signal is weak, reorient antenna to receive weaker station. ■ Check for sources of possible interference.
Lines or streaks in pictures	<ul style="list-style-type: none"> ■ Check antenna (Change the direction of the antenna).

The audio function does not work.

Picture OK & No sound	<ul style="list-style-type: none">■ Press the VOL or VOLUME button.■ Sound muted? Press MUTE button.■ Try another channel. The problem may be with the broadcast.■ Are the audio cables installed properly?
No output from one of the speakers	<ul style="list-style-type: none">■ Adjust Balance in menu option.
Unusual sound from inside the product	<ul style="list-style-type: none">■ A change in ambient humidity or temperature may result in an unusual noise when the product is turned on or off and does not indicate a fault with the product.

There is a problem in PC mode. (Only PC mode applied)

The signal is out of range	<ul style="list-style-type: none">■ Adjust resolution, horizontal frequency, or vertical frequency.■ Check the input source.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	<ul style="list-style-type: none">■ Work the Auto configure or adjust clock, phase, or H/V position. (Option)
Screen color is unstable or single color	<ul style="list-style-type: none">■ Check the signal cable.■ Reinstall the PC video card.

APPENDIX

There is a problem on the TV Guide On Screen™ function.

My Guide listings disappeared after a power failure	<ul style="list-style-type: none"> ■ You should begin to receive listings again within 24 hours.
Some channel numbers in the Guide are incorrect.	<ul style="list-style-type: none"> ■ You can correct them using Change Channel Display under the Setup menu.
I have not received any Guide listings.	<ul style="list-style-type: none"> ■ Listings usually appear within 24 hours after a successful Setup. ■ It may take up to a week to fill the Listings grid with the full 8 days of listings. ■ If you see a Listings grid with the message "No Listings" displayed you should start to receive updated program listings within 24 hours. ■ If the message "No data for this screen" is displayed: <ul style="list-style-type: none"> - Check the connections between the TV, cable, antenna. - Verify Setup information under Change System Settings. - If this message is still displayed after multiple days, please contact the LG®Brand Customer Support.
A show I set to Remind did not.	<ul style="list-style-type: none"> ■ Check the Schedule menu and verify that the show is listed as a reminder.
I set a show to Auto-Tune and it did not.	<ul style="list-style-type: none"> ■ Check the Schedule menu and verify that the show is listed as a Reminder. ■ Highlight the show under Listings and do the following: <ul style="list-style-type: none"> - Press the Menu key on the remote. - Use the down arrow to highlight Edit Reminder, and press ENTER. - Verify the Auto-Tune option reads Yes. ■ The TV must be On at the scheduled time for Auto-Tune.
I set a show with the Power On TV option and it did not	<ul style="list-style-type: none"> ■ Check the Schedule menu and verify that the show is listed as a Reminder. ■ Highlight the show under Listings and do the following: <ul style="list-style-type: none"> - Press the Menu key on the remote. - Use the down arrow to highlight Edit Reminder, and press ENTER. - Verify the Power On TV option reads Yes.

MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you can enjoy your new TV.

Caution: Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

- 1 Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
- 2 Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cleaning the Cabinet

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Please be sure not to use a wet cloth.

Extended Absence

CAUTION

- ▶ If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

APPENDIX

PRODUCT SPECIFICATIONS

MODELS		47LB1 DA (47LB1 DA-UB)
Dimensions (Width x Height x Depth)	including stand	50.4 x 32.6 x 12.4 inches 1280.0 x 828.0 x 315.0 mm
	excluding stand	50.4 x 28.3 x 5.3 inches 1280.0 x 718.0 x 135.0 mm
Weight	including stand	124.6 pounds / 56.5 kg
	excluding stand	101.2 pounds / 45.9 kg
Power requirement		AC100-240V ~ 50/60Hz
Television System		NTSC-M, ATSC, 64 & 256 QAM
Program Coverage		VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135
External Antenna Impedance		75 ohm
Environment condition	Operating Temperature	32 ~ 104°F (0 ~ 40°C)
	Operating Humidity	Less than 80%
	Storage Temperature	-4 ~ 140°F (-20 ~ 60°C)
	Storage Humidity	Less than 85%

- The specifications shown above may be changed without prior notice for quality improvement.