LG
Life's Good

LCD TV
OWNER'S MANUAL

47LH85
55LH85
55LH95

Please read this manual carefully before operating your set and retain it for future reference.
The model and serial number of the TV is located on the back and one side of the TV.
Record it below should you ever need service.

Model:

Serial:

This product qualifies for ENERGY STAR in the "factory default (Home Use)" setting and this is the setting in which power savings will be achieved.

Changing the factory default picture setting or enabling other features will increase power consumption that could exceed the limits necessary to quality for Energy Star rating.

Media Box is not qualified for ENERGY STAR.

ENERGY STAR

P/NO : SAC33601902 (0902-REV01)

www.lgusa.com / www.lg.ca

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.

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.

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.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause (harmful) interference, and (2) this device must accept any interference received, including interference that may cause undesired operation (of the device).

Any changes or modifications in construction of this device which are 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.

SAFETY INSTRUCTIONS

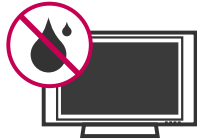## IMPORTANT SAFETY INSTRUCTIONS

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.

S3125A

9   Unplug this apparatus during lighting storms or when unused for long periods of time.
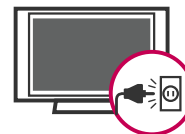
10   Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
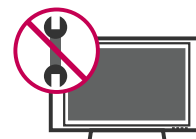
SAFETY INSTRUCTIONS

11 Never touch this apparatus or antenna during a thunder or lighting storm.

12 When mounting a TV on the wall, make sure not to install the TV by the hanging power and signal cables on the back of the TV.

13 Do not allow an impact shock or any objects to fall into the product, and do not drop onto the screen with something.

14 CAUTION concerning the Power Cord:

It is recommend that appliances 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 connect too many appliances to the same AC power outlet as this could result in fire or electric shock.

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.

Do not make the TV with the power cord plugged in. Do not use a damaged or loose power cord. Be sure do grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the TV.
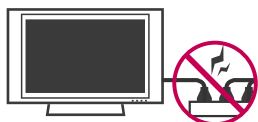
15 WARNING - To reduce the risk of fire or electrical shock, do not expose this product to rain, moisture or other liquids. Do not touch the TV with wet hands. Do not install this product near flammable objects such as gasoline or candles or expose the TV to direct air conditioning.

16 Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g. on shelves above the unit).

17 GROUNDING

Ensure that you connect the earth ground wire to prevent possible electric shock (i.e. a TV with a three-prong grounded AC plug must be connected to a three-prong grounded AC outlet). 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, lightening rods, or gas pipes.

Power Supply

Short-circuit Breaker
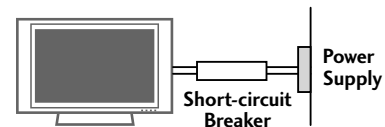
18 DISCONNECTING DEVICE FROM MAINS

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

19 As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if you turn off this unit by SWITCH.
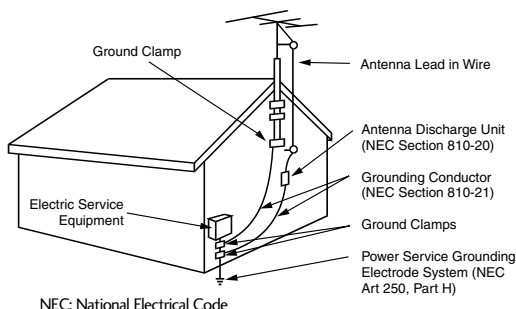
20 ANTENNAS

Outdoor antenna grounding

If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of over-head power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits as death or serious injury can occur.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

Section 810 of the National Electrical Code (NEC) in the U.S.A. provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

Antenna grounding according to the National Electrical Code, ANSI/NFPA 70

Ground Clamp

Antenna Lead in Wire

Antenna Discharge Unit
(NEC Section 810-20)

Grounding Conductor
(NEC Section 810-21)

Electric Service
Equipment

Ground Clamps

Power Service Grounding
Electrode System (NEC
Art 250, Part H)

NEC: National Electrical Code

21 Cleaning

When cleaning, unplug the power cord and scrub gently with a soft cloth to prevent scratching. Do not spray water or other liquids directly on the TV as electric shock may occur. Do not clean with chemicals such as alcohol, thinners or benzene.

22 Moving

Make sure the product is turned off, unplugged and all cables have been removed. It may take 2 or more people to carry larger TVs. Do not press against or put stress on the front panel of the TV.

23 Ventilation

Install your TV where there is proper ventilation. Do not install in a confined space such as a bookcase. Do not cover the product with cloth or other materials (e.g.) plastic while plugged in. Do not install in excessively dusty places.

24 If you smell smoke or other odors coming from the TV or hear strange sounds, unplug the power cord contact an authorized service center.

25 Do not press strongly upon the panel with hand or sharp object such as nail, pencil or pen, or make a scratch on it.
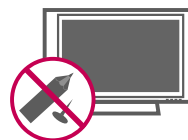
26 Keep the product away from direct sunlight.

27 For LCD TV

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.

28 FCC Radiation Exposure

In order to meet FCC RF Exposure requirements, this device must be installed in such a way that a distance of 20cm is always maintained between the device antenna and nearby persons.

ON DISPOSAL

(Only Hg lamp used LCD TV)

The fluorescent lamp used in this product contains a small amount of mercury. 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.

CONTENTS

SOUND & LANGUAGE CONTROL

TIME SETTING

PARENTAL CONTROL / RATINGS

APPENDIX

FEATURE OF THIS TV

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.

This TV contains the detailed calibrations necessary for professional certification by the Imaging Science Foundation. The resulting ISF "day" and "night" modes will then be accessible by the user to experience the best their LG HDTV has to offer.
CALIBRATE LIKE A PRO: Sophisticated and detailed calibrations can be made through the ISFccc mode. Detailed calibration requires a licensed technician. Please contact your local dealer to inquire about an ISF certified technician.

The AV Mode optimizes the picture into Cinema, Sports, and game Mode according to the video and audio content. The viewer has the ability to quickly choose the correct mode for the picture they are viewing.

LG TV include a unique invisible speaker system, tuned by renowned audio expert, Mr. Mark Levinson. Speakers are embedded in strategic spots behind the front cabinet and use minute vibrations to turn the entire front bezel into the speaker system. The result is a clean, polished look, and enhanced audio by increasing the "sweet spot", giving a wider and richer sound field.

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

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

Automatically enhances and amplifies the sound of human voice frequency range to help keep dialogue audible when background noise swells.

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

Displays HDTV programs in full 1920 x 1080p resolution for a more detailed picture.

⚠ IMPORTANT INFORMATION TO PREVENT "IMAGE BURN / BURN-IN" ON YOUR TV SCREEN

- When a fixed image (e.g. logos, screen menus, video game, and computer display) is displayed on the TV for an extended period, it can become permanently imprinted on the screen. This phenomenon is known as "image burn" or "burn-in." Image burn is not covered under the manufacturer's warranty.

- In order to prevent image burn, avoid displaying a fixed image on your TV screen for a prolonged period (2 or more hours for LCD, 1 or more hours for Plasma).

- Image burn can also occur on the letterboxed areas of your TV if you use the 4:3 aspect ratio setting for an extended period.
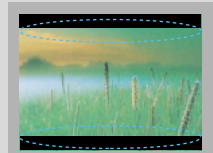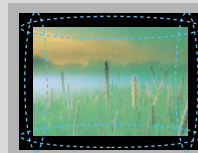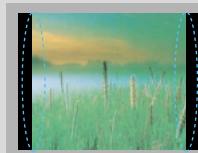
PREPARATION

ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.
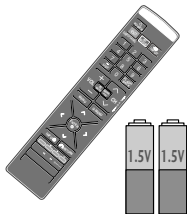
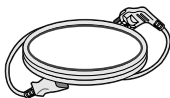The accessories included may differ from the images below.
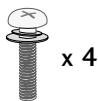
Owner's Manual　　　**CD Manual**　　　**Remote Control, Batteries**　　　**Power Cord**

(For 47LH85)

x 4

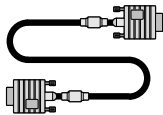**Bolts for stand assembly (Refer to P.15)**　　　**Protection Cover**
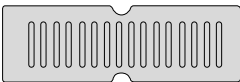
Not included with all models

Polishing Cloth

* Wipe spots on the exterior only with the polishing cloth.

* Do not wipe roughly when removing stain. Excessive pressure may cause scratch or discoloration.
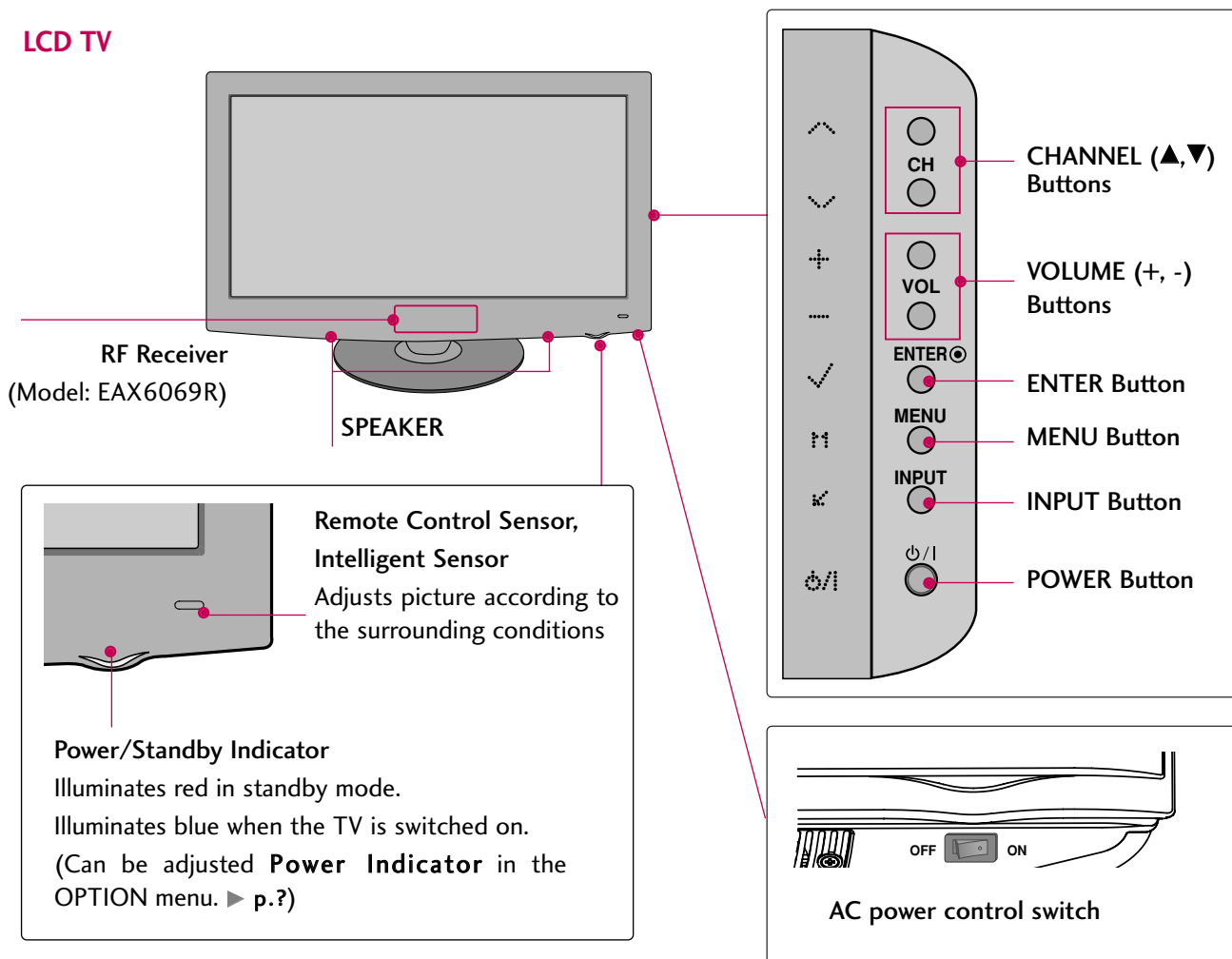

Option Extras

D-sub 15 pin Cable

When using the VGA (D-sub 15 pin cable) PC connection, the user must use shielded signal interface cables with ferrite cores to maintain standards compliance.
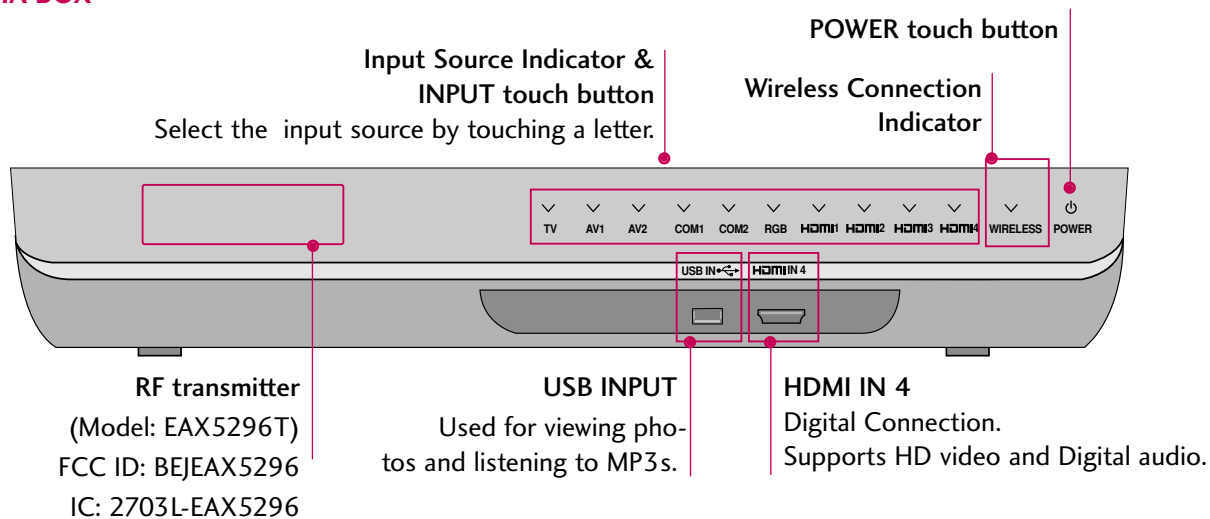
PREPARATION

FRONT PANEL INFORMATION
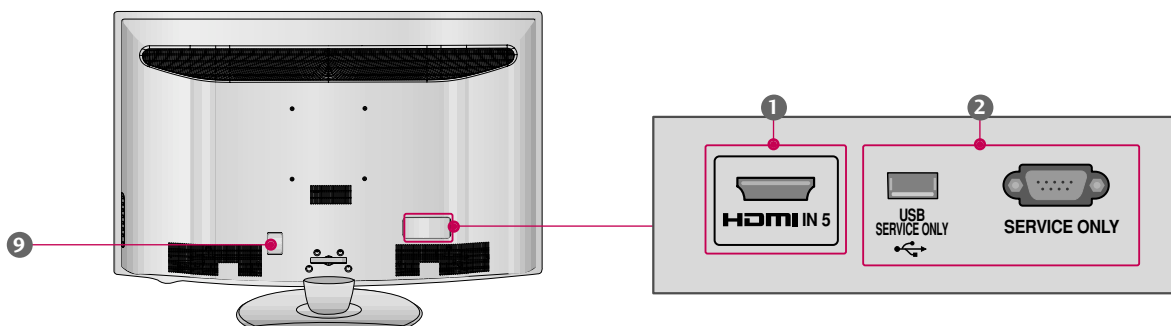
■ Image shown may differ from your product.

LCD TV

RF Receiver
(Model: EAX6069R)

SPEAKER

CHANNEL (▲,▼) Buttons

VOLUME (+, -) Buttons

ENTER Button

MENU Button

INPUT Button

POWER Button

Remote Control Sensor, Intelligent Sensor
Adjusts picture according to the surrounding conditions

Power/Standby Indicator
Illuminates red in standby mode.
Illuminates blue when the TV is switched on.
(Can be adjusted **Power Indicator** in the OPTION menu. ▶ **p.?**)

OFF   ON

AC power control switch

MEDIA BOX

POWER touch button

Input Source Indicator & INPUT touch button
Select the input source by touching a letter.

Wireless Connection Indicator

TV   AV1   AV2   COM1   COM2   RGB   HDMI1   HDMI2   HDMI3   HDMI4   WIRELESS   POWER

USB IN ⟷   HDMI IN 4

RF transmitter
(Model: EAX5296T)
FCC ID: BEJEAX5296
IC: 2703L-EAX5296

USB INPUT
Used for viewing photos and listening to MP3s.

HDMI IN 4
Digital Connection.
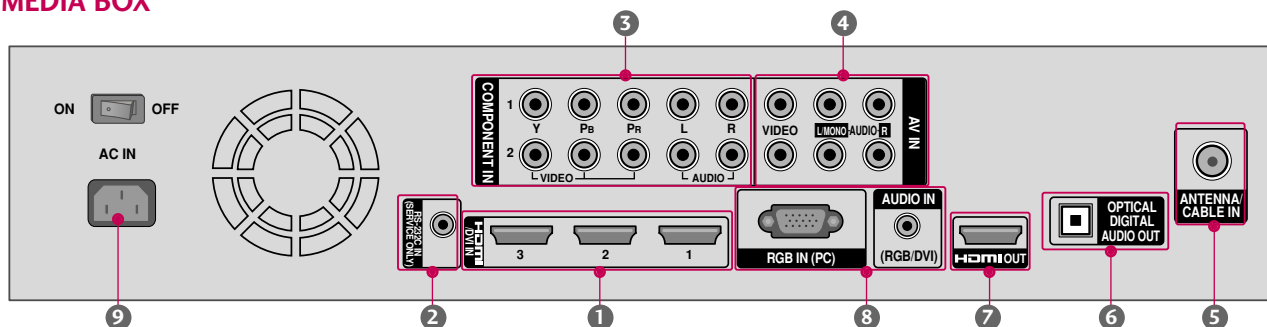Supports HD video and Digital audio.

BACK PANEL INFORMATION

■ Image shown may differ from your product.

LCD TV

MEDIA BOX

❶ **HDMI/DVI IN, HDMI IN**
Digital Connection.
Supports HD video and Digital audio. Doesn't support 480i.
Accepts DVI video using an adapter or HDMI to DVI cable (not included).

❷ **USB IN SERVICE ONLY, SERVICE ONLY**
RS-232C IN SERVICE ONLY
Used for software updates.

❸ **COMPONENT IN**
Analog Connection.
Supports HD.
Uses a red, green, and blue cable for video & red and white for audio.

❹ **AV (Audio/Video) IN**
Analog composite connection. Supports standard definition video only (480i).

❺ **ANTENNA/CABLE IN**
Connect over-the air/Cable signals to this jack.

❻ **OPTICAL DIGITAL AUDIO OUT**
Digital optical audio output for use with amps and home theater systems.
Note: In standby mode, this port doesn't work.

❼ **HDMI OUT**
Wired connection between TV and Media Box.

❽ **RGB IN (PC)**
Analog PC Connection. Uses a D-sub 15 pin cable (VGA cable).
AUDIO IN (RGB/DVI)
1/8" (0.32 cm) headphone jack for analog PC audio input.

❾ **Power Cord Socket**
For operation with AC power.
Caution: Never attempt to operate the TV on DC power.

WIRELESS OPERATION

The Media Box transmits the 1080p HD video signal using 60 GHz freuency wirelessly.

LRP (1-40 Mbps)

HRP (3-4 Gbps)
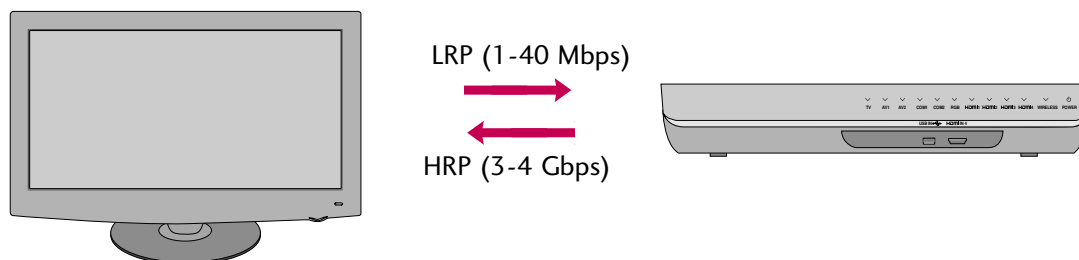
Media Box features

▶ Uncompressed 1080p HD video signal transmission from Media Box to TV in LOS 10 m.

▶ Beam direction due to 60 GHz frequency feature.

▶ Smart antenna technology: Beam direction can be change by obstacle.

> **❗ NOTE**
>
> ▶ To avoid wireless disconnection (due to interference), do not leave the TV and Media Box within LOS 10 m.
>
> ▶ Beam direction can be change by TV and Media Box location.
>
> ▶ If there is a obstacle in beam direction, wireless signal may be weak and the video quality is poor.

Wireless Beamforming

Beam direction can be change by Media Box location.
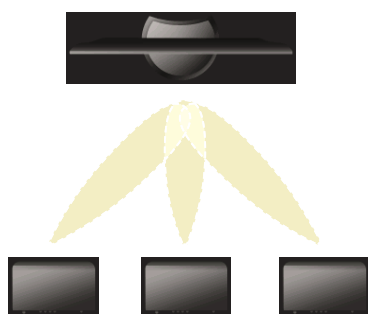
Wireless Beamsteering

■ Beam direction can be change by obstacle.

Side view

Obstacle
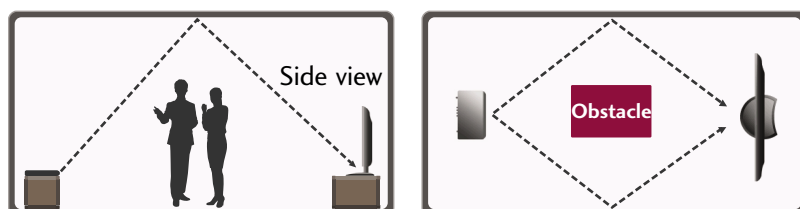
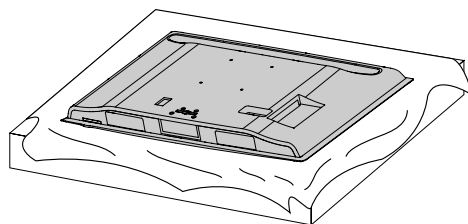Wall and ceiling made by concrete and metal.

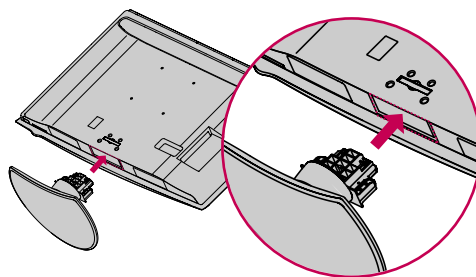# MEDIA BOX INSTALLATION

PREPARATION

STAND INSTRUCTION

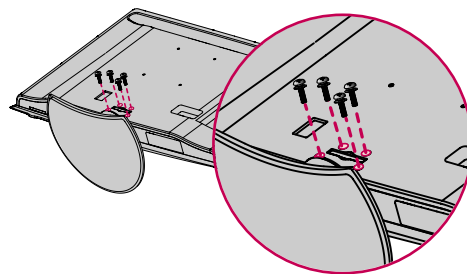■ Image shown may differ from your TV.

INSTALLATION (For 47LH85)

1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.

2 Assemble the TV as shown.

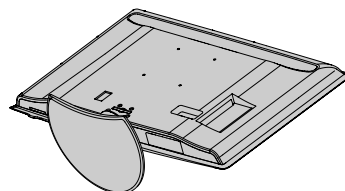**3** Fix the 4 bolts securely using the holes in the back of the TV.

❶ NOTE

▶ When assembling the desk type stand, make sure the bolt is fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten.
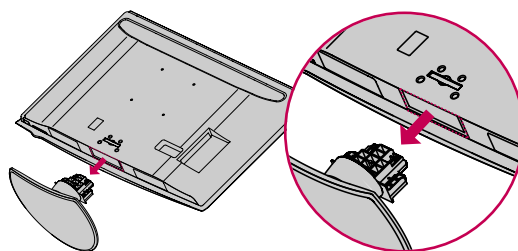
DETACHMENT

1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.
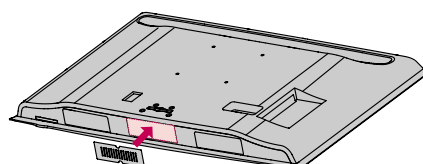
2 Loose the bolts from TV.
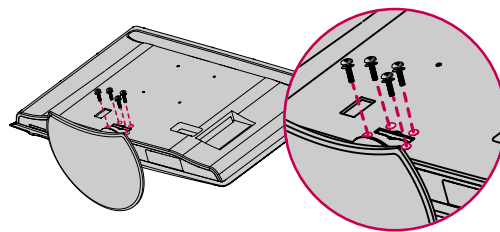
3 Detach the stand from TV.

PROTECTION COVER

4 Insert the **PROTECTION COVER** into the TV. After removing the protection paper from the protection cover, adhere it to the TV as shown.
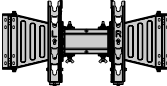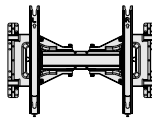
VESA WALL MOUNTING

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest installer.

If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.

We recommend that you use an LG brand wall mount when mounting the TV to a wall.

LG recommends that wall mounting be performed by a qualified professional installer.

Model	VESA (A * B)	Standard Screw	Quantity	Wall Mounting Bracket (sold separately)
47LH85	200 * 200	M6	4	AW-47LG30M
55LH85, 55LH95	400 * 400	M6	4	AW-55LH40M

❶ NOTE

▶ Screw length needed depends on the wall mount used. For further information, refer to the instructions included with the mount.

▶ Standard dimensions for wall mount kits are shown in the table.

▶ When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.

▶ Do not use screws longer then the standard dimension, as they may cause damage to the inside to the TV.

▶ For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.

▶ Do not use screws that do not comply with the VESA standard screw specifications.

Do not use fasten the screws too strongly, this may damage the TV or cause the TV to a fall, leading to personal injury. LG is not liable for these kinds of accidents.

▶ LG is not liable for TV damage or personal injury when a non-VESA or non specified wall mount is used or the consumer fails to follow the TV installation instructions.
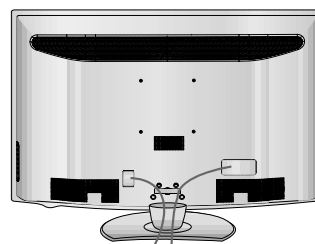
⚠ **CAUTION** ▶ Do not install your wall mount kit while your TV is turned on. It may result in personal injury due to electric shock.
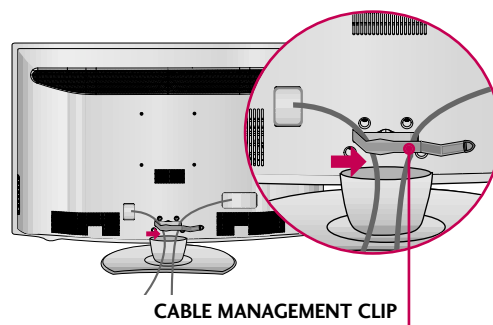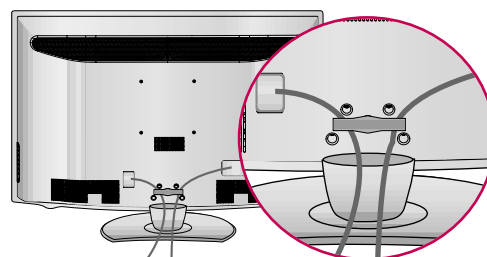
CABLE MANAGEMENT

■ Image shown may differ from your TV.

1 Connect the cables as necessary.
To connect additional equipment, see the
EXTERNAL EQUIPMENT SETUP section.

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

CABLE MANAGEMENT CLIP

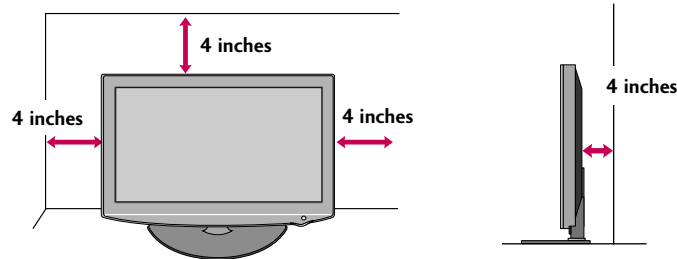**3** Put the cables inside the **CABLE MANAGEMENT
CLIP** and snap it closed.

DESKTOP PEDESTAL INSTALLATION

■ Image shown may differ from your TV.

For proper ventilation, allow a clearance of 4 inches on all four sides from the wall.

4 inches

4 inches   4 inches   4 inches

⚠ **CAUTION**	▶ Ensure adequate ventilation by following the clearance recommendations.
	▶ Do not mount near or above any type of heat source.

SWIVEL STAND

After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.
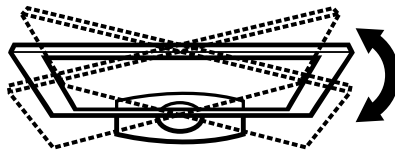
KENSINGTON SECURITY SYSTEM

■ This feature is not available for all models.

- The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.
- For the detailed installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.

  For further information, contact **http://www.kensington.com**, the internet homepage of the Kensington company. Kensington sells security systems for expensive electronic equipment such as note-book PCs and LCD projectors.

NOTE: The Kensington Security System is an optional accessory.
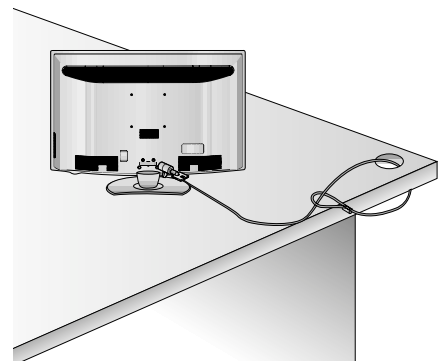
# SECURING THE TV TO THE WALL TO PREVENT FALLING WHEN THE TV IS USED ON A STAND

■ You should purchase necessary components to prevent the TV from tipping over (when not using a wall mount).

■ Image shown may differ from your TV.

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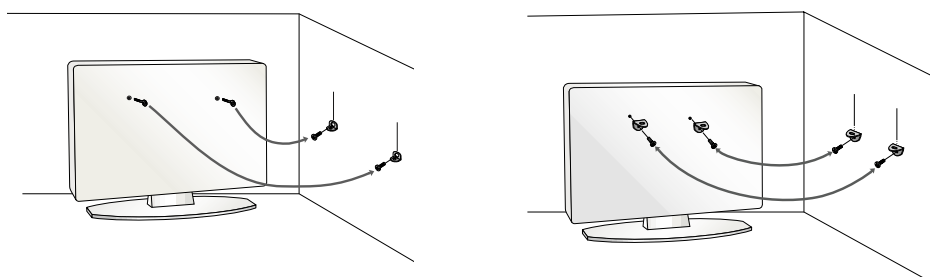
■ Insert the eye-bolts (or TV brackets and bolts) to tighten the product to the wall as shown in the picture.

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

* Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

Secure the wall brackets with the bolts (sold separately) to 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.
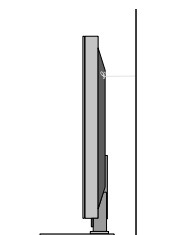
■ Use a sturdy rope (sold separately) to tie the product. It is safer to tie the rope so it becomes horizontal between the wall and the product.

🛈 NOTE

▶ Use a platform or cabinet strong enough and large enough to support the size and weight of the TV.

▶ To use the TV safely make sure that the height of the bracket on the wall and the one on the TV are the same.
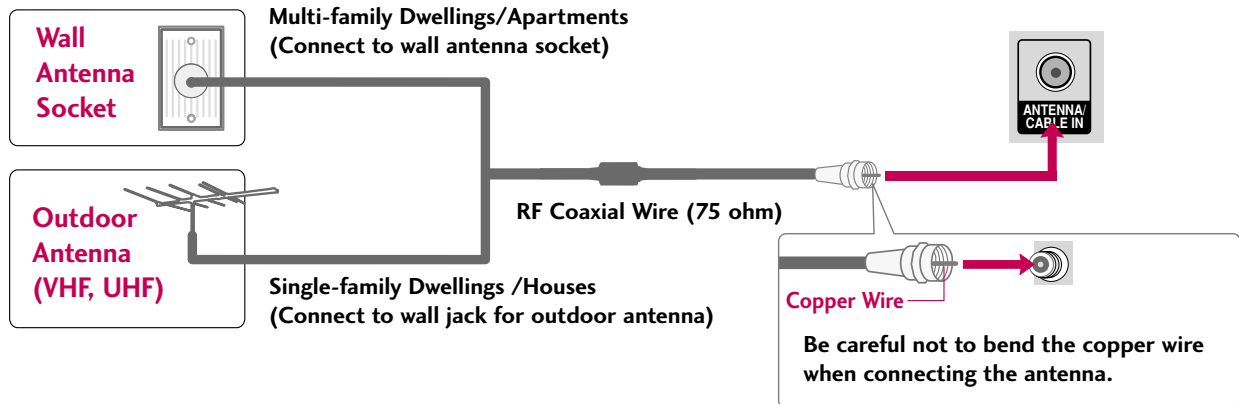
PREPARATION

PREPARATION

■ To prevent damage do not connect to the power outlet until all connections are made between the devices.
■ Image shown may differ from your TV.
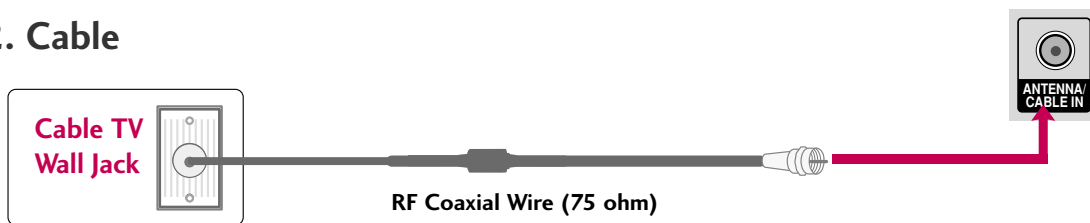
ANTENNA OR CABLE CONNECTION

1. Antenna (Analog or Digital)

Wall Antenna Socket or Outdoor Antenna without a Cable Box Connections.
For optimum picture quality, adjust antenna direction if needed.

Wall Antenna Socket

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

ANTENNA/
CABLE IN

Outdoor Antenna (VHF, UHF)

RF Coaxial Wire (75 ohm)

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

Copper Wire

Be careful not to bend the copper wire when connecting the antenna.

2. Cable

ANTENNA/
CABLE IN

Cable TV Wall Jack

RF Coaxial Wire (75 ohm)

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

EXTERNAL EQUIPMENT SETUP

■ To prevent the equipment damage, never plug in any power cords until you have finished connecting all equipment.

■ Image shown may differ from your TV.

HD RECEIVER SETUP

This Media Box can receive digital over-the-air/digital 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.

Component Connection

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 Media Box. 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 AUDIO 1** jacks on the Media Box.
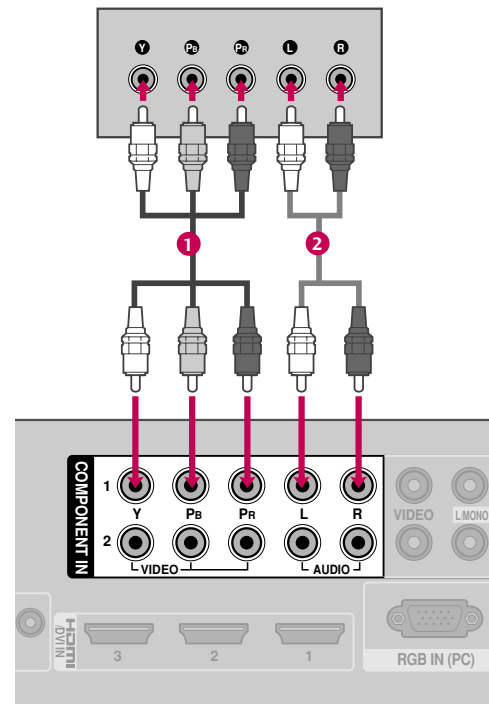
2. How to use

■ Turn on the digital set-top box.
(Refer to the owner's manual for the digital set-top box operation.)

■ Select the **Component1** input source on the Media Box using the **INPUT** button on the remote control.

■ If connected to **COMPONENT IN 2** input, select the **Component2** input source on the Media Box.

Supported Resolutions

Signal	Component	HDMI
480i	Yes	No
480p	Yes	Yes
720p	Yes	Yes
1080i	Yes	Yes
1080p	Yes	Yes

Y, CB/PB, CR/PR

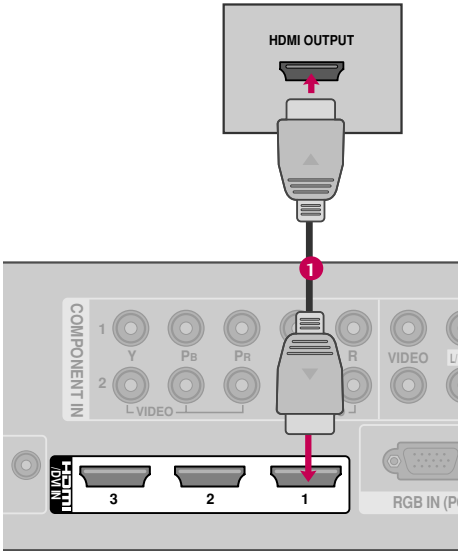| Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
720x480i	15.73	59.94
	15.73	60.00
720x480p	31.47	59.94
	31.50	60.00
1280x720p	44.96	59.94
	45.00	60.00
1920x1080i	33.72	59.94
	33.75	60.00
1920x1080p	26.97	23.94
	27.00	24.00
	33.71	29.97
	33.75	30.00
	67.432	59.939
	67.50	60.00

HDMI Connection

1. How to connect

1 Connect the digital set-top box to **HDMI/DVI IN** **1**, **2**, **3**, or **4** jack on the Media Box.

2 No separate audio connection is necessary.
HDMI supports both audio and video.

2. How to use

■ Turn on the digital set-top box.
(Refer to the owner's manual for the digital set-top box.)
■ Select the **HDMI1**, **HDMI2**, **HDMI3**, or **HDMI4** input source on the Media Box using the **INPUT** button on the remote control.

HDMI-DTV

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
720x480p	31.47 31.50	59.94 60.00
1280x720p	44.96 45.00	59.94 60.00
1920x1080i	33.72 33.75	59.94 60.00
1920x1080p	26.97 27.00 33.71 33.75 67.432 67.50	23.94 24.00 29.97 30.00 59.939 60.00

WATCHING TV / CHANNEL CONTROL

DVI to HDMI Connection

1. How to connect

① Connect the DVI output of the digital set-top box to the **HDMI/DVI IN 1**, **2**, **3**, or **4** jack on the Media Box.

② Connect the digital set-top box audio output to the **AUDIO IN (RGB/DVI)** jack on the Media Box.

2. How to use

- Turn on the digital set-top box.

  (Refer to the owner's manual for the digital set-top box.)

- Select the **HDMI1**, **HDMI2**, **HDMI3**, or **HDMI4** input source on the Media Box using the **INPUT** button on the remote control.
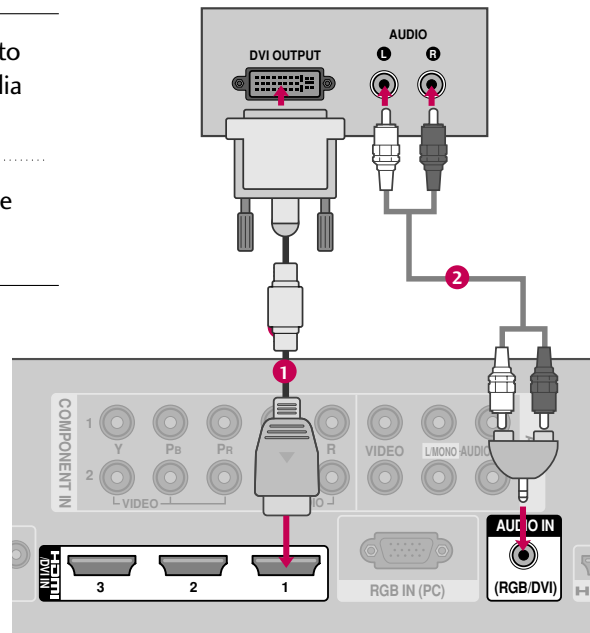
EXTERNAL EQUIPMENT SETUP

DVD SETUP

Component Connection

1. How to connect

1 Connect the video outputs (Y, PB, PR) of the DVD to the **COMPONENT IN VIDEO 1** jacks on the Media Box. Match the jack colors (Y = green, PB = blue, and PR = red).

2 Connect the audio outputs of the DVD to the **COMPONENT IN AUDIO 1** jacks on the Media Box.
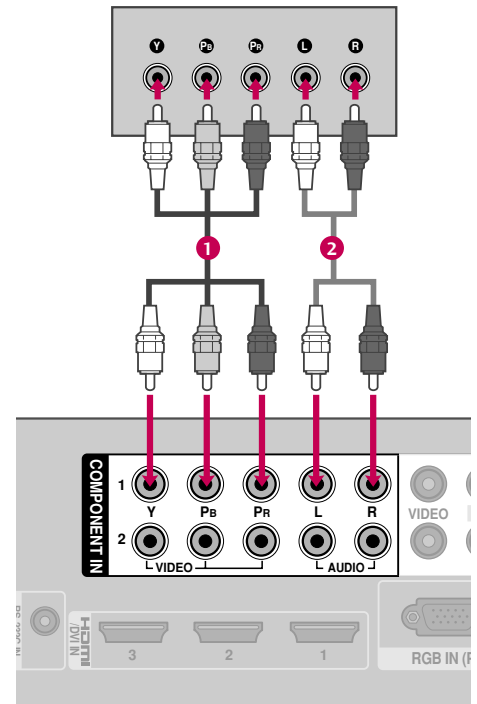
2. How to use

- Turn on the DVD player, insert a DVD.
- Select the **Component1** input source on the Media Box using the **INPUT** button on the remote control.
- If connected to **COMPONENT IN 2** input, select the **Component2** input source on the Media Box.
- Refer to the DVD player's manual for operating instructions.

Composite (RCA) Connection

1. How to connect

1 Connect the **AUDIO/VIDEO** jacks between Media Box and DVD. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)

2. How to use

- Turn on the DVD player, insert a DVD.
- Select the **AV1** or **AV2** input source on the Media Box using the **INPUT** button on the remote control.
- Refer to the DVD player's manual for operating instructions.
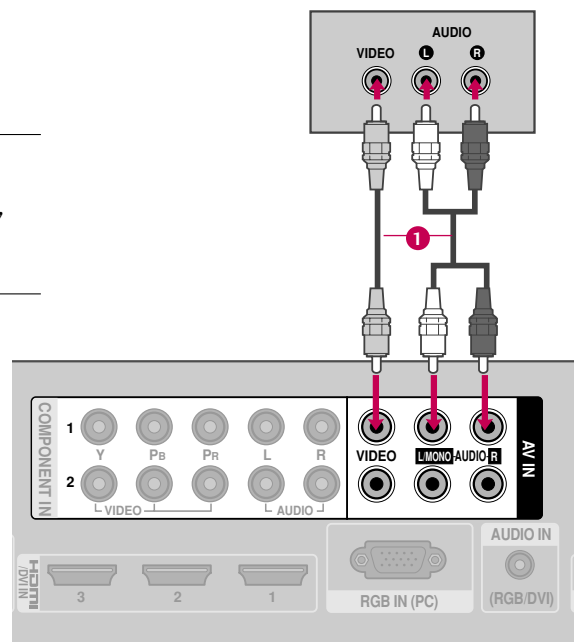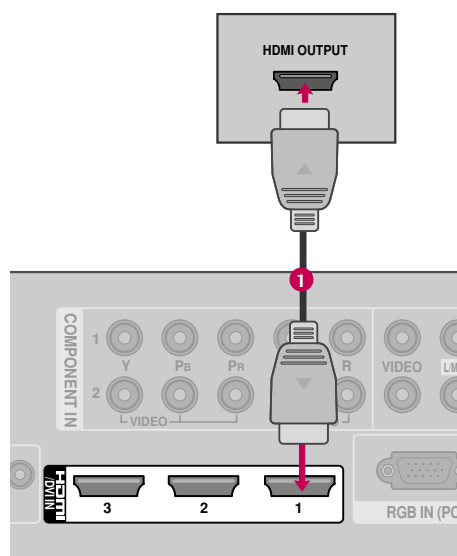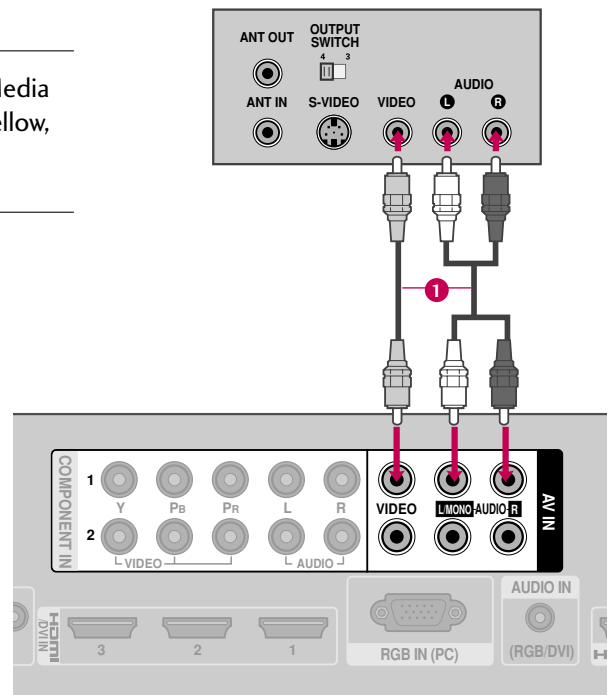
HDMI Connection

1. How to connect

1 Connect the HDMI output of the DVD to the **HDMI/DVI IN 1**, **2**, **3** or **4** jack on the Media Box.

2 No separate audio connection is necessary. HDMI supports both audio and video.

2. How to use

- Select the **HDMI1**, **HDMI2**, **HDMI3**, or **HDMI4** input source on the Media Box using the **INPUT** button on the remote control.
- Refer to the DVD player's manual for operating instructions.

> ❶ **NOTE**
>
> ▶ Check HDMI cable over version 1.3.
> If the HDMI cables don't support HDMI version 1.3, it can cause flickers or no screen display. In this case use the latest cables that support HDMI version 1.3.

EXTERNAL EQUIPMENT SETUP

VCR SETUP

Antenna Connection

1. How to connect

1 Connect the RF antenna out socket of the VCR to the **ANTENNA/CABLE IN** socket on the Media Box.

2 Connect the antenna cable to the RF antenna in socket of the VCR.
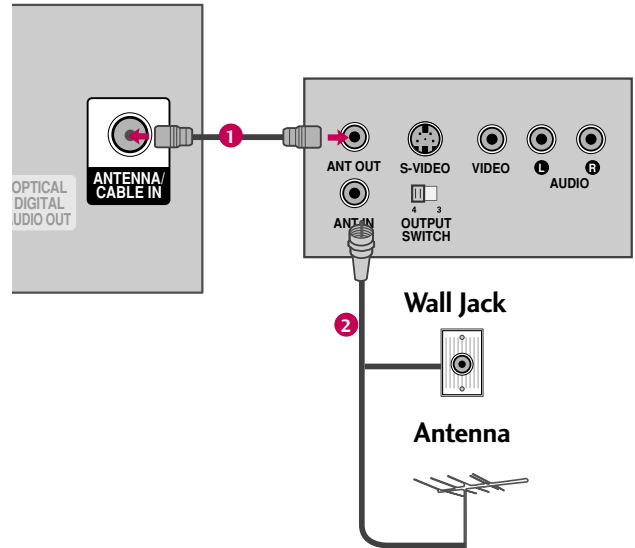
2. How to use

■ Set VCR output switch to 3 or 4 and then tune Media Box to the same channel number.
■ Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)

Composite (RCA) Connection

1. How to connect

1 Connect the **AUDIO/VIDEO** jacks between Media Box and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)

2. How to use

■ Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
■ Select the **AV1** input source on the Media Box using the **INPUT** button on the remote control.
■ If connected to **AV IN 2**, select **AV2** input source on the Media Box.

26

LCD TV AND MEDIA BOX WIRED SETUP

1. How to connect

1 Connect the **HDMI IN 5** of the TV to the **HDMI OUT** jacks on the Media Box.

2 No separate audio connection is necessary.
HDMI supports both audio and video.

2. How to use

■ Select the **Component1** input source on the Media Box using the **INPUT** button on the remote control.

OTHER A/V SOURCE SETUP

Camcorder

Video Game Set
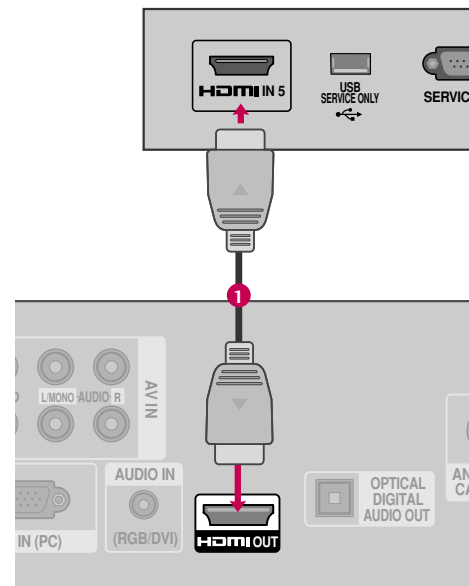
1. How to connect

1 Connect the **AUDIO/VIDEO** jacks between Media Box and external equipment. Match the jack colors.

(Video = yellow, Audio Left = white, and Audio Right = red)

2. How to use

- Select the **AV2** input source on the Media Box using the **INPUT** button on the remote control.
- If connected to **AV IN 1** input, select the **AV1** input source on the Media Box.
- Operate the corresponding external equipment.
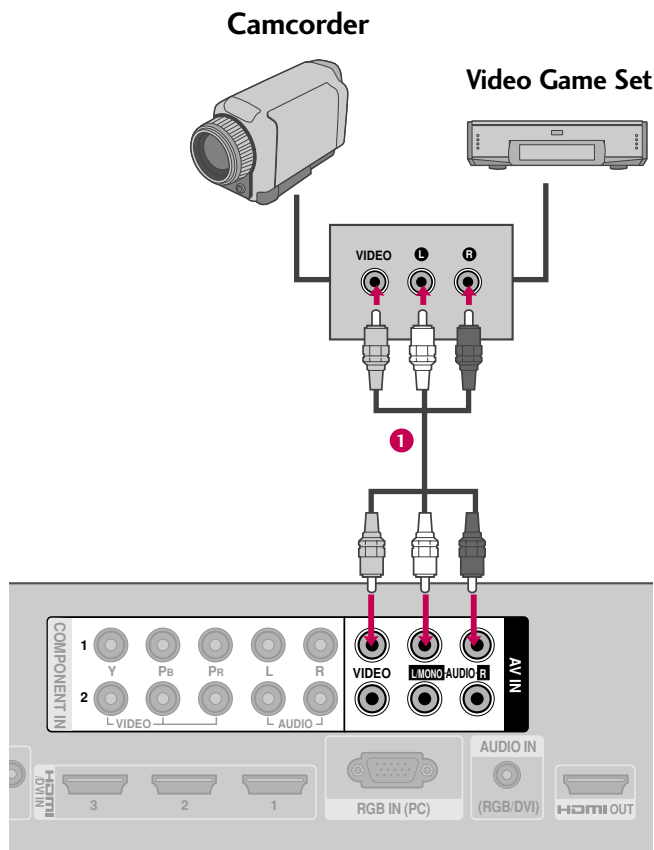
USB CONNECTION

1. How to connect

1 Connect the USB device to the **USB IN** jack on the Media Box.

2. How to use

- After connecting the **USB IN** jack, you use the USB function.

(▶ **p.?**)
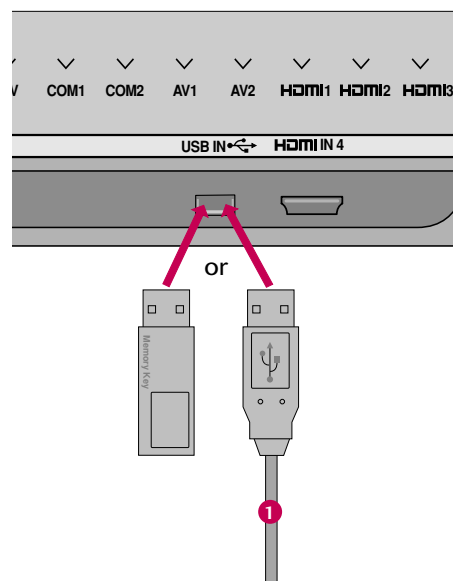
AUDIO OUT CONNECTION

Send the TV's audio to external audio equipment via the Audio Output port.

If you want to enjoy digital broadcasting through 5.1-channel speakers, connect the OPTICAL DIGITAL AUDIO OUT terminal on the back of TV to a Home Theater (or amp).

1. How to connect

1 Connect one end of the optical cable to the Media Box port of **OPTICAL DIGITAL AUDIO OUT**.

2 Connect the other end of the optical cable to the digital audio input on the audio equipment.

3 Set the "TV Speaker option - Off" in the AUDIO menu. (▶ **p.?**). See the external audio equipment instruction manual for operation.

🛈 NOTE

▶ When connecting with external audio equipment, such as amplifiers or speakers, you can turn the TV speakers off in the menu. (▶ **p.?**)

⚠ CAUTION

▶ Do not look into the optical output port. Looking at the laser beam may damage your vision.
▶ Audio with ACP (Audio Copy Protection) function may block digital audio output.
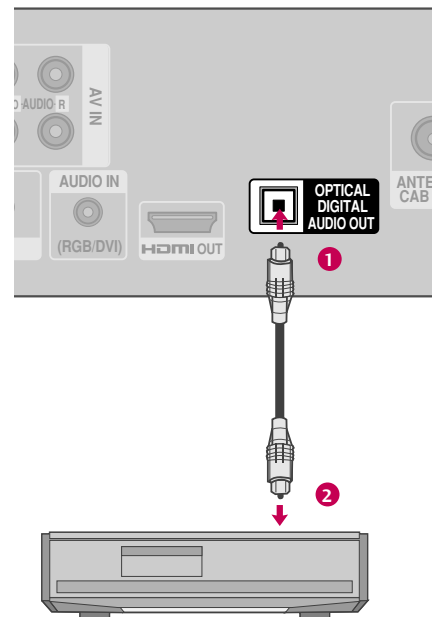
EXTERNAL EQUIPMENT SETUP

PC SETUP

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

VGA (D-Sub 15 pin) Connection

1. How to connect

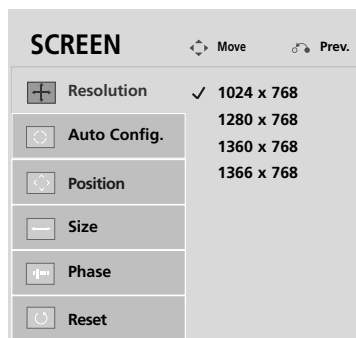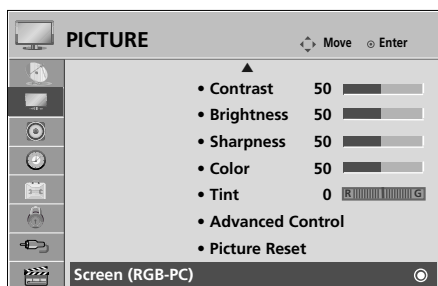**1** Connect the VGA output of the PC to the **RGB IN (PC)** jack on the Media Box.

2 Connect the PC audio output to the **AUDIO IN (RGB/DVI)** jack on the Media Box.

2. How to use

■ Turn on the PC and the Media Box.
■ Select the **RGB-PC** input source on the Media Box using the **INPUT** button on the remote control.
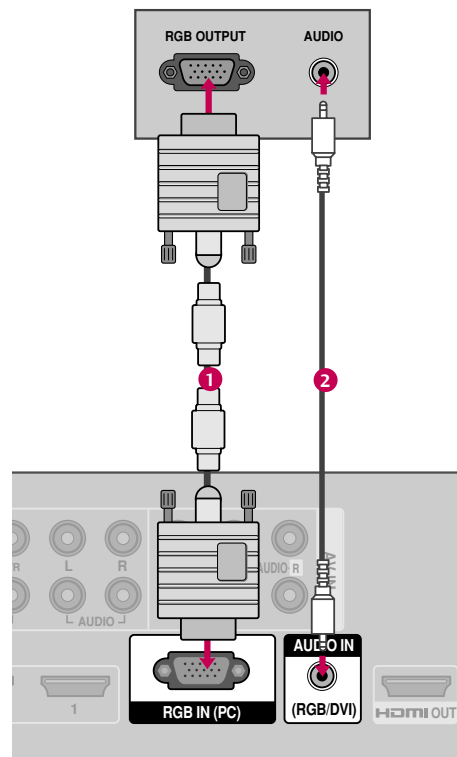
DVI to HDMI Connection

1. How to connect

1 Connect the DVI output of the PC to the **HDMI/DVI IN 1**, **2**, or **3** jack on the Media Box.

2 Connect the PC audio output to the **AUDIO IN (RGB/DVI)** jack on the Media Box.

2. How to use

■ Turn on the PC and the Media Box.
■ Select the **HDMI1**, **HDMI2**, or **HDMI3** input source on the Media Box using the **INPUT** button on the remote control.

ℹ NOTE

▶ Check HDMI cable over version 1.3.
If the HDMI cables don't support HDMI version 1.3, it can cause flickers or no screen display. In this case use the latest cables that support HDMI version 1.3.

30
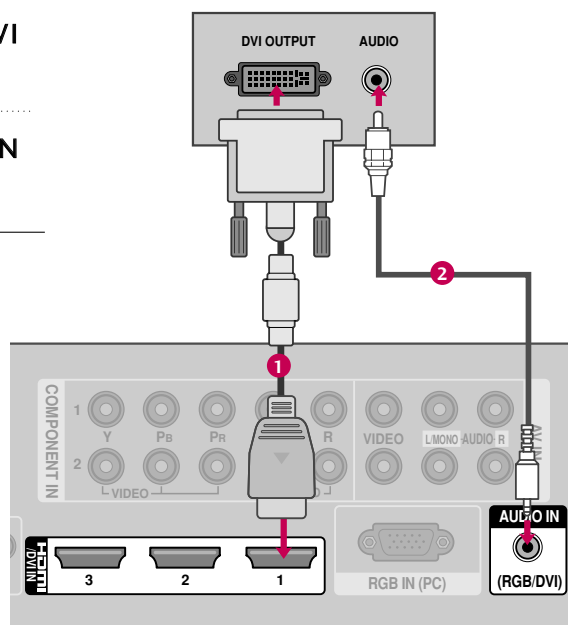
❶ NOTES

▶ To get the the best picture quality, adjust the PC graphics card to **1920x1080**.

▶ Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use.

▶ In PC mode, there may be noise associated with the resolution, vertical pattern, contrast or brightness. 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 PICTURE menu until the picture is clear.

▶ 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.

▶ Depending on the graphics card, some resolution settings may not allow the image to be positioned on the screen properly.

▶ If there are overscan in HDMI-PC 1920x1080, change aspect ratio to **Just scan**.

▶ When selecting HDMI-PC, set the "Input Label - PC" in the OPTION menu.

▶ The TV provides EDID data to the PC system with a DDC protocol. DDC protocol is preset for RGB (Analog RGB), HDMI (Digital RGB) mode.

Supported Display Specifications (RGB-PC, HDMI-PC)

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
640x350	31.468	70.09
720x400	31.469	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1280x768	47.776	59.87
1360x768	47.712	60.015
1280x1024	63.981	60.02
1600x1200	75.00	60.00
1920x1080 RGB-PC	66.587	59.934
1920x1080 HDMI-PC	67.5	60.00

EXTERNAL EQUIPMENT SETUP

Screen Setup for PC mode

Selecting Resolution

You can choose the resolution in RGB-PC mode.
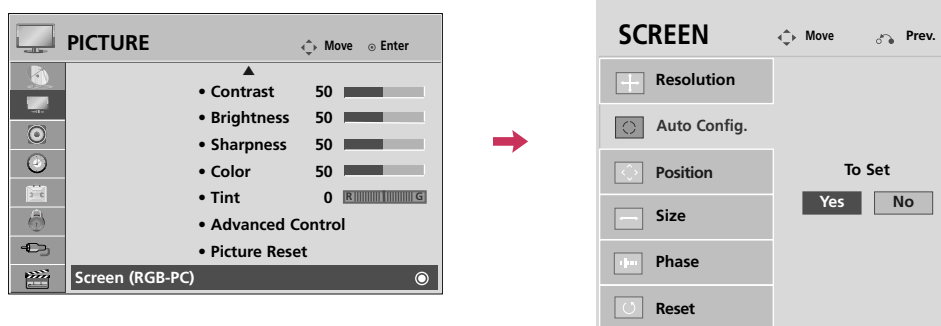The **Position**, **Phase**, and **Size** can also be adjusted.

PICTURE	Move Enter
• Contrast	50
• Brightness	50
• Sharpness	50
• Color	50
• Tint	0
• Advanced Control	
• Picture Reset	
Screen (RGB-PC)	

SCREEN	Move Prev.
Resolution	✓ 1024 x 768
Auto Config.	1280 x 768
Position	1360 x 768
Size	1366 x 768
Phase	
Reset	

1 MENU Select **PICTURE**.

2 ENTER Select **Screen (RGB-PC)**.

3 ENTER Select **Resolution**.

4 ENTER Select the desired resolution.

5 ENTER

Auto Configure

Automatically adjusts picture position and minimizes image instability. After adjustment, if the image is still not correct, try using the manual settings or a different resolution or refresh rate on the PC.

PICTURE	◇ Move ⊙ Enter
• Contrast	50
• Brightness	50
• Sharpness	50
• Color	50
• Tint	0 R ‖‖‖‖‖‖‖‖ G
• Advanced Control	
• Picture Reset	
Screen (RGB-PC)	◎

SCREEN	◇ Move Prev.
Resolution	
Auto Config.	
Position	**To Set**
Size	Yes No
Phase	
Reset	

1 MENU Select **PICTURE**.

2 ENTER Select **Screen (RGB-PC)**.

3 ENTER Select **Auto Config.**.

4 ENTER Select **Yes**.

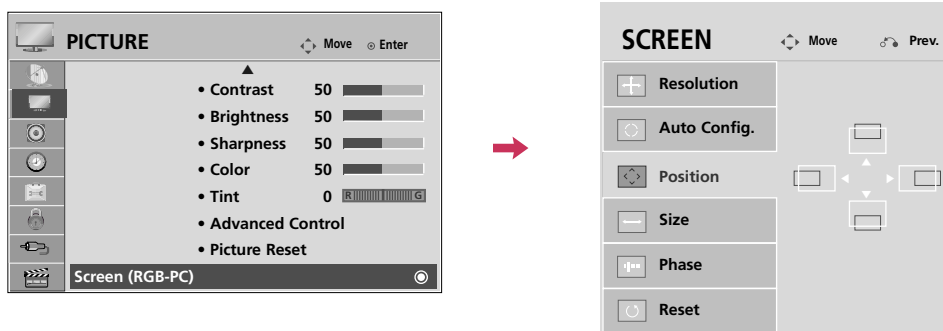**5** ENTER Start Auto Configuration.

- ■ If the position of the image is still not correct, try Auto adjustment again.
- ■ If picture needs to be adjusted again after Auto adjustment in RGB-PC, you can adjust the **Position**, **Size** or **Phase**.
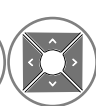
EXTERNAL EQUIPMENT SETUP

Adjustment for screen Position, Size, and Phase

If the picture is not clear after auto adjustment and especially if characters are still trembling, adjust the picture phase manually.
This feature operates only in RGB-PC mode.

PICTURE ◇ Move ⊙ Enter

▲
- Contrast 50
- Brightness 50
- Sharpness 50
- Color 50
- Tint 0 R⊞⊞⊞⊞⊞G
- Advanced Control
- Picture Reset

Screen (RGB-PC) ◉

SCREEN ◇ Move ↶ Prev.

⊞ Resolution
◇ Auto Config.
◇ Position
— Size
⊡ Phase
↻ Reset

---

1 MENU Select **PICTURE**.

2 ENTER Select **Screen (RGB-PC)**.

3 ENTER Select **Position**, **Size**, or **Phase**.

4 ENTER Make appropriate adjustments.

5 ENTER

■ **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.

Screen Reset (Reset to original factory values)

Returns **Position**, **Size**, and **Phase** to the default factory settings.
This feature operates only in RGB-PC mode.
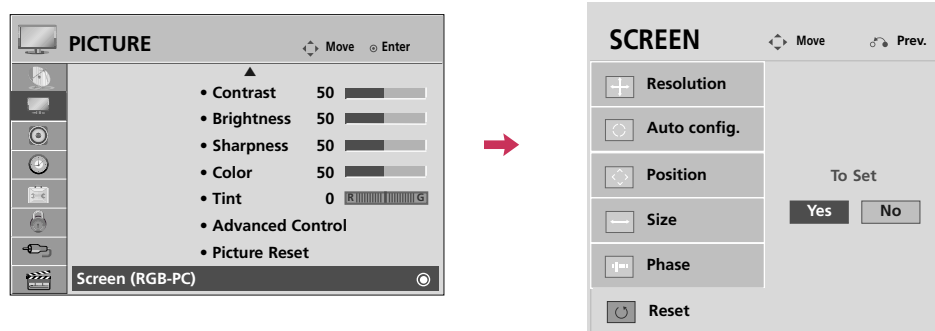
PICTURE	◇ Move ⦾ Enter
▲	
• Contrast	50 ▬▬
• Brightness	50 ▬▬
• Sharpness	50 ▬▬
• Color	50 ▬▬
• Tint	0 R⦚⦚⦚⦚⦚⦚⦚⦚⦚G
• Advanced Control	
• Picture Reset	
Screen (RGB-PC)	⦾

SCREEN	◇ Move Prev.
Resolution	
Auto config.	
Position	**To Set**
Size	
Phase	Yes No
Reset	

1
MENU   Select **PICTURE**.

2
ENTER   Select **Screen (RGB-PC)**.

3
ENTER   Select **Reset**.

4
ENTER   Select **Yes**.

5
ENTER

WATCHING TV / CHANNEL CONTROL

REMOTE CONTROL FUNCTIONS

When using the remote control, aim it at the remote control sensor on the TV.

POWER	Turns the TV on from standby or off to standby.
ENERGY SAVING	Adjusts the Energy Saving. ▶ **p.86**
AV MODE	Toggles through preset Video and Audio modes. ▶ **p.58**
INPUT	Rotates through inputs. Also switches the TV on from standby. ▶ **p.56**

VOLUME UP /DOWN	Adjusts the volume.
MUTE	Switches the sound on or off. ▶ **p.45**

MENU	Displays the main menu or clears all on-screen displays and return to TV viewing.
Q.MENU	Opens the list of Quick Menu options. ▶ **p.49**
THUMBSTICK (Up/Down/Left Right/ENTER)	Navigates the on-screen menus and adjusts the system settings to your preference.

INFO	Displays channel information and wireless signal strength at the top of the screen. ▶ **p.55**
RETURN	Allows the user to move return one step in an interactive application or other user interaction function.

36
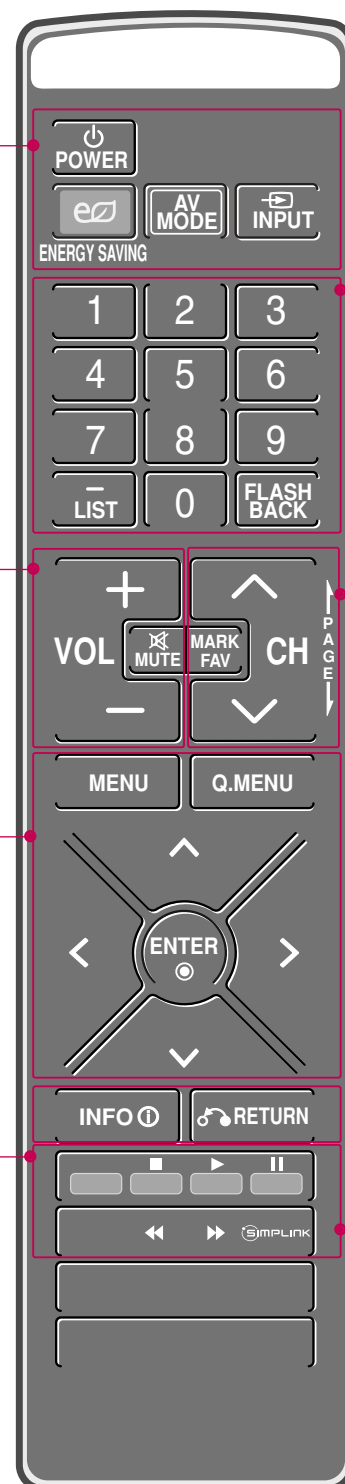
NUMBER button

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

LIST Displays the channel table. ▶ **p.53**

FLASHBK Tunes to the last channel viewed.

CHANNEL UP/DOWN Changes the channel.

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

FAV Scroll through the programmed Favorite channels. ▶ **p.54**

MARK Select the input to apply the Picture Wizard settings. ▶ **p.79**
Use to mark or unmark a photo/music. ▶ **p.64**, **68**, **72**

USB, SIMPLINK Control buttons
○ Controls USB menu (Photo List and Music List.)
○ Controls the SIMPLINK compatible devices.

SIMPLINK See a list of AV devices connected to TV.
When you toggle this button, the SIMPLINK menu appears at the screen. ▶ **p.60-61**

Installing Batteries
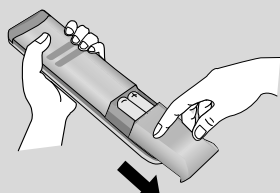
■ Open the battery compartment cover on the back side and install the batteries matching correct polarity.

■ Install two 1.5V AAA batteries. Don't mix old or used batteries with new ones.

■ Close cover.

TURNING ON THE TV

1 First, connect power cord correctly and switch the **AC power control switch** on TV.
At this moment, the TV switches to standby mode.
- In standby mode to turn TV on, press the ⏻/I , **INPUT**, **CH (** ∧ or ∨ **)** button on the TV or press the **POWER**, **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 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.

❶ NOTE

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

▶ If you do not complete the **Initial setting**, it will appear whenever the TV is switched on until the **Initial setting** procedure is completed.

▶ If the TV is unplugged once or turn off with the AC power control switch on the TV, reset the **Clock** function.

- **When pressing** ⏻/I **button on the TV or POWER the remote control.**

TV	Media Box
On	On
	Sleep
	Standby
Standby	On
	Sleep
	Standby

➡

TV	Media Box
Standby	Sleep
	Sleep
	Standby
On	On
	On
	Standby

- **When pressing POWER button on the Media Box.**
You cannot turn on the TV using POWER button on the Media Box.

TV	Media Box
On	On
	Sleep
	Standby
Standby	On
	Sleep
	Standby

➡

TV	Media Box
Standby	Sleep
On	On
On	On
Standby	Sleep
	On
	On

* Standby: The status that wireless connection is impossible between TV and Media Box.

* Sleep: The status that wireless connection is possible between TV and Media Box.

38

CHANNEL SELECTION

1 Press the **CH (** ∧ or ∨ **)** or **NUMBER** buttons to select a channel number.

VOLUME ADJUSTMENT

Adjust the volume to suit your personal preference.

1 Press the **VOL (+** or **-)** 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 (+** or **-)** button.
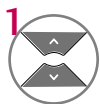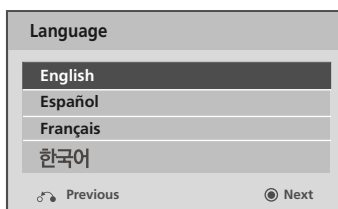
INITIAL SETTING

This Function guides the user to easily set the essential items for viewing the TV for the first time when purchasing the TV. It will be displayed on the screen when turning the TV on for the first time. It can also be activated from the user menus.
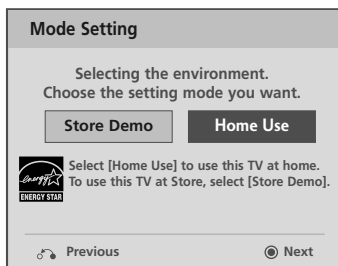
- Default selection is "**Home Use**". We recommend setting the TV to "**Home Use**" mode for the best picture in your home environment.
- "**Store Demo**" Mode is only intended for use in retail environments. Customers can adjust the "**Picture** menu - **Picture mode**" manually while inspecting the TV, but the TV will automatically return to preset in-store mode after 5 minutes.
- "**Store Demo**" Mode is an optimal setting for displaying at stores. "Store Demo" mode initializes the TV to set the image quality.
- You can also adjust **Initial Setting** in the **OPTION** menu.

Step1. Selecting Language

Language	
English	
Español	
Français	
한국어	
Previous	⊙ Next

1 ENTER Select Menu Language.

Step2. Mode setting

Mode Setting	
Selecting the environment. Choose the setting mode you want.	
Store Demo	**Home Use**
ENERGY STAR Select [Home Use] to use this TV at home. To use this TV at Store, select [Store Demo].	
Previous	⊙ Next

1 ENTER Select **Home Use**.

Step3. Time setting

Time Setting	
Current Time Setting	◄ **Auto** ►
Month	02
Date	21
Year	2009
Hour	10 AM
Minute	10
Time Zone	**Eastern**
Daylight Saving	**Auto**
Previous	⊙ Next

1 Select **Auto** or **Manual**.

2 ENTER Select desired time option.

Step4. Auto Tuning

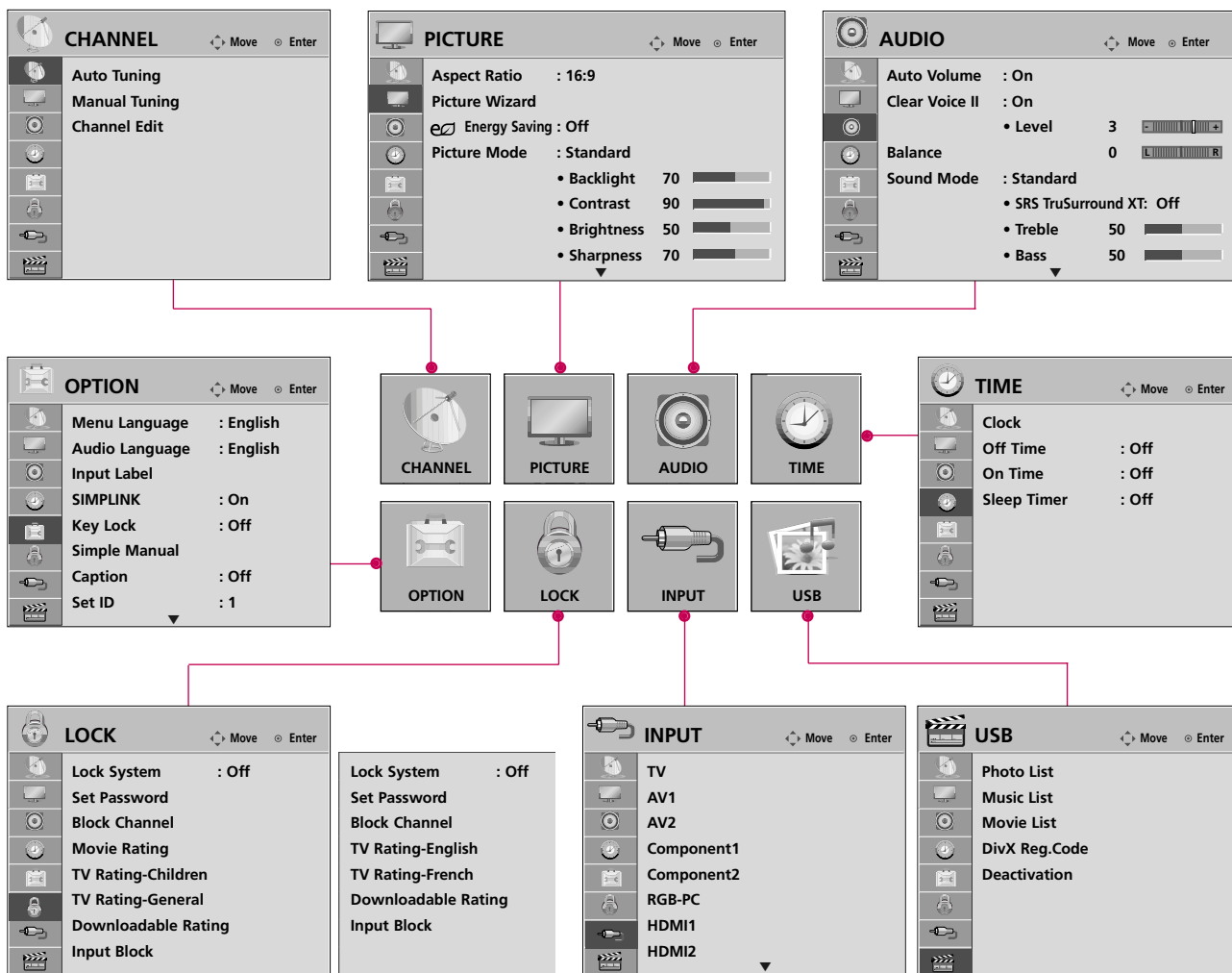| Auto Tuning	
Before starting, be sure that the TV antenna is connected.	
Previous	INFO ⓘ Simple Manual ⊙ Next
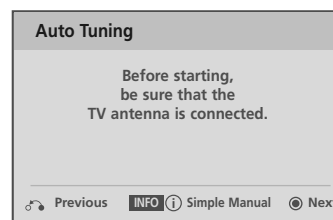
1 ENTER Check your antenna connection and start **Auto Tuning**.

ON-SCREEN MENUS SELECTION

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

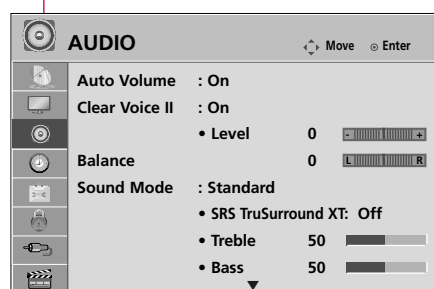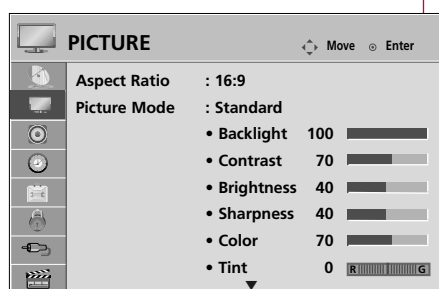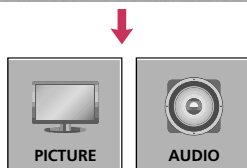| CHANNEL	◇ Move ⊙ Enter
Auto Tuning	
Manual Tuning	
Channel Edit	

PICTURE	◇ Move ⊙ Enter
Aspect Ratio	: 16:9
Picture Wizard	
Energy Saving	: Off
Picture Mode	: Standard
• Backlight	70
• Contrast	90
• Brightness	50
• Sharpness	70

AUDIO	◇ Move ⊙ Enter
Auto Volume	: On
Clear Voice II	: On
• Level	3
Balance	0
Sound Mode	: Standard
• SRS TruSurround XT:	Off
• Treble	50
• Bass	50

OPTION	◇ Move ⊙ Enter
Menu Language	: English
Audio Language	: English
Input Label	
SIMPLINK	: On
Key Lock	: Off
Simple Manual	
Caption	: Off
Set ID	: 1

CHANNEL   PICTURE   AUDIO   TIME

OPTION   LOCK   INPUT   USB

TIME	◇ Move ⊙ Enter
Clock	
Off Time	: Off
On Time	: Off
Sleep Timer	: Off

LOCK	◇ Move ⊙ Enter
Lock System	: Off
Set Password	
Block Channel	
Movie Rating	
TV Rating-Children	
TV Rating-General	
Downloadable Rating	
Input Block	

Lock System	: Off
Set Password	
Block Channel	
TV Rating-English	
TV Rating-French	
Downloadable Rating	
Input Block	

INPUT	◇ Move ⊙ Enter
TV	
AV1	
AV2	
Component1	
Component2	
RGB-PC	
HDMI1	
HDMI2	

USB	◇ Move ⊙ Enter
Photo List	
Music List	
Movie List	
DivX Reg.Code	
Deactivation	

For USA   **For Canada**

---

1 MENU — Display each menu.

2 ENTER — Select a menu item.

3 ENTER — Accept the current selection.

4 MENU — Return to TV viewing.

WATCHING TV / CHANNEL CONTROL

When connecting HDMI5

HDMI1	HDMI2	HDMI3	HDMI4	HDMI5

PICTURE   AUDIO

PICTURE　　　　　　　　　Move　Enter

Aspect Ratio	**: 16:9**
Picture Mode	**: Standard**
• Backlight	**100**
• Contrast	**70**
• Brightness	**40**
• Sharpness	**40**
• Color	**70**
• Tint	**0** R ▌▌▌▌▌▌▌▌▌ G

AUDIO　　　　　　　　　Move　Enter

|	
Auto Volume	**: On**
Clear Voice II	**: On**
• Level	**0** – ▌▌▌▌▌▌▌▌ +
Balance	**0** L ▌▌▌▌▌▌▌▌ R
Sound Mode	**: Standard**
• SRS TruSurround XT:	**Off**
• Treble	**50**
• Bass	**50**

NOTE

► This product not only provides composite, component and HDMI1-4 that can be used as the input terminal to the Media Box but also provides HDMI5 that can be directly connected to the TV for limited usage.

► Use of menu other than picture/audio is limited while viewing through HDMI5.

QUICK MENU

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

Q.Menu (Quick Menu) is a menu of features which users might use frequently.

◄   **Aspect Ratio**   ►

⟷ 16:9
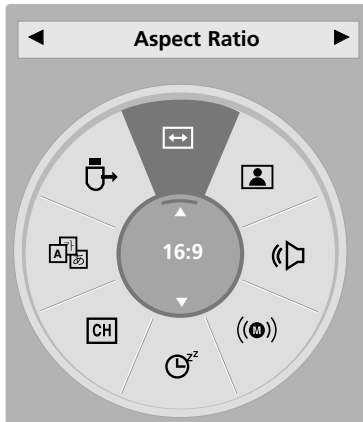
- ⟷ **Aspect Ratio**: Selects your desired picture format.
- ⚏ **Picture Mode**: Selects the factory preset picture depend on the viewing environment.
- ⟨⟨⟩ **Sound Mode**: Selects the factory preset sound for type of program.
- ⟨⟨M⟩⟩ **Multi Audio**: Changes the audio language (Digital signal).
- ⟨⟨M⟩⟩ **SAP**: Selects MTS sound (Analog signal).
- ⏱ᶻᶻ **Sleep Timer**: Select the amount of time before your TV turns off automatically.
- ⟨CH⟩ **Del/Add/Fav**: Select channel you want to add/delete or add the channel to the Favorite List.
- ᴬ⚏ **Caption**: Select on or off.
- ⭲ **USB Device**: Select "Eject" in order to eject a USB device.

1

[Q.MENU] [‹ ›]   Display each menu.

2

[˄ ˅]   Make appropriate adjustments.

3

[Q.MENU]   Return to TV viewing.

CHANNEL SETUP

Auto Scan (Auto Tuning)

Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list.
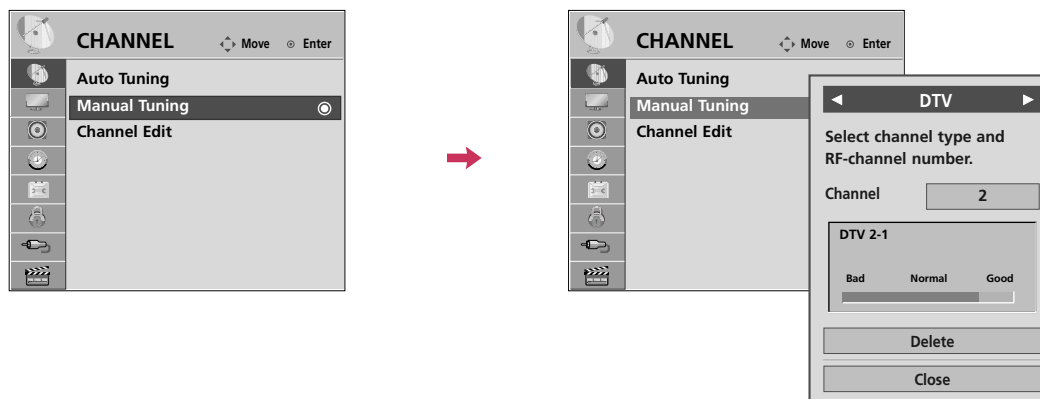
CHANNEL	◇ Move ⊙ Enter
Auto Tuning	⦿
Manual Tuning	
Channel Edit	

➡

CHANNEL	◇ Move ⊙ Enter
Auto Tuning	
Manual Tuning	
Channel Edit	

Check your antenna connection. The previous channel information will be updated during Auto Tuning.

Yes

No

1
MENU

Select **CHANNEL**.

2
ENTER
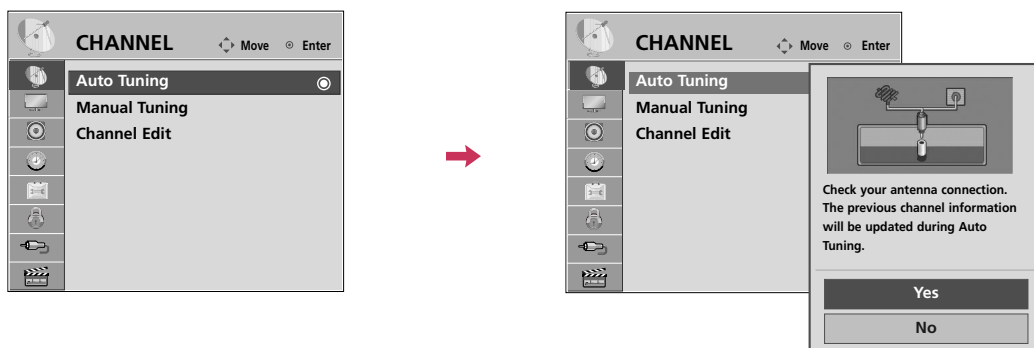
Select **Auto Tuning**.

3
ENTER

Select **Yes**.

4
ENTER

Run **Auto tuning**.

5
RETURN

Return to the previous menu.

MENU

Return to TV viewing.

■ The TV will ask for a password if parental control has been activated (LOCK Menu). Use the password you set up in the LOCK Menu to allow a channel search.

Add/Delete Channel (Manual Tuning)

When selecting DTV or CADTV input signal, you can view the on-screen signal strength monitor to see the quality of the signal being received.

CHANNEL	◇ Move ⊙ Enter
Auto Tuning	
Manual Tuning	◉
Channel Edit	

➡

CHANNEL	◇ Move ⊙ Enter
Auto Tuning	
Manual Tuning	
Channel Edit	

◄ **DTV** ►

Select channel type and RF-channel number.

Channel   2

DTV 2-1

Bad   Normal   Good

Delete

Close

1
MENU

Select **CHANNEL**.

2
ENTER

Select **Manual Tuning**.

3
ENTER

Select **DTV**, **TV**, **CADTV**, or **CATV**.

4

Select channel you want to add or delete.

5
ENTER

Select **Add** or **Delete**.

6
↩RETURN

Return to the previous menu.

MENU

Return to TV viewing.

■ The TV will ask for a password if parental control has been activated (LOCK Menu). Use the password you set up in the LOCK Menu to allow a channel search.
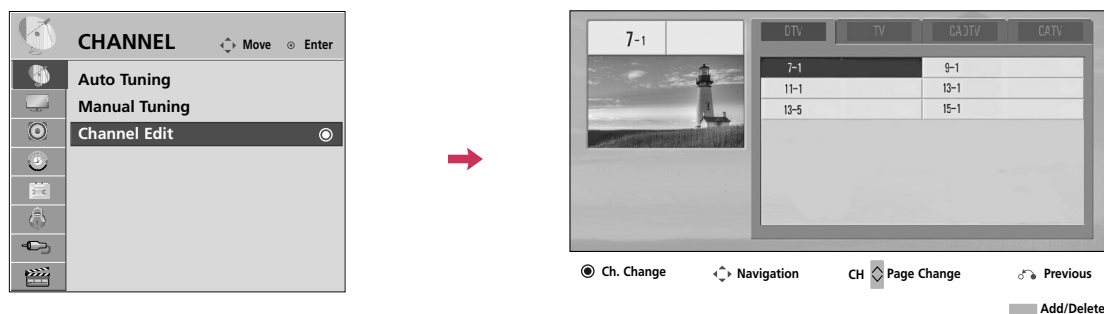
Channel Editing

The channels in the Channel Edit List are displayed in black and the channels deleted from the Channel Edit List are displayed in blue.

When a channel number is deleted, it means that you will be unable to select it using **CH** ∧ ∨ button during TV viewing.

If you wish to select the deleted channel, directly enter the channel number with the NUMBER buttons or select it in the **Channel Edit** menu.

CHANNEL	◇ Move ⊙ Enter
Auto Tuning	
Manual Tuning	
Channel Edit	◉

➡

7-1		DTV	TV	CADTV	CATV
		7-1		9-1	
		11-1		13-1	
		13-5		15-1	

◉ Ch. Change ◇ Navigation CH ◇ Page Change ↶ Previous

▨ Add/Delete

1 | MENU / ◇ | Select **CHANNEL**.

2 | ENTER / ∧∨ | Select **Channel Edit**.

3 | ENTER / ◇ | Select a channel.

4 | ❚❚ | Add or delete a channel.

5 | RETURN | Return to the previous menu.

| MENU | Return to TV viewing.

CHANNEL LIST

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

This padlock is displayed when the channel is locked with parental control.

Channel List

🔒 ☐DTV 2-1   ◉
   ☐DTV 3-1
   ☐DTV 4-1

↩ **Exit**
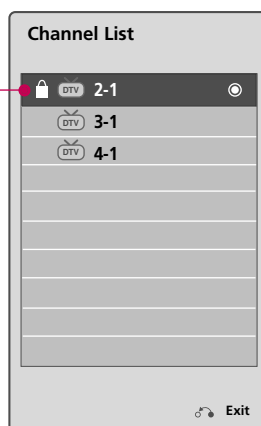
Displaying Channel List

1
LIST — Display the **Channel List**.

Selecting a channel in the channel list

1
Select a channel.

2
ENTER — Switch to the chosen channel number.
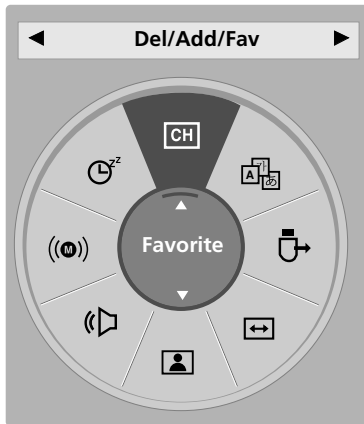
Paging through a channel list

1
CH PAGE — Turn the pages.

2
RETURN — Return to TV viewing.
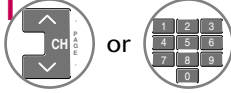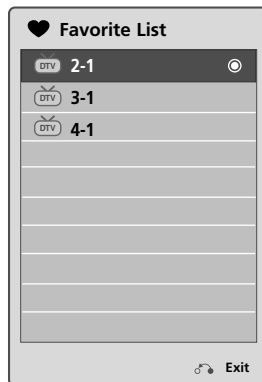
FAVORITE CHANNEL SETUP

Favorite Channels are a convenient feature that lets you quickly select channels of your choice without waiting for the TV to select all the in-between channels.

To tune to a favorite channel, press the **FAV** (Favorite) button repeatedly.

◄ **Del/Add/Fav** ►

CH

Favorite

1 CH or [1 2 3 / 4 5 6 / 7 8 9 / 0]   Select your desired channel.

2 Q.MENU < >   Select **Del/Add/Fav**.

3   Select **Favorite**.

4 Q.MENU   Return to TV viewing.

FAVORITE CHANNEL LIST

♥ **Favorite List**

DTV **2-1** ◉
DTV **3-1**
DTV **4-1**

↩ **Exit**

Displaying the favorite channel list

1 MARK FAV   Display the Favorite channel list.

Selecting a channel in the favorite channel list

1   Select a channel.

2 ENTER   Switch to the chosen channel number.

Paging through a favorite channel list

1 CH   Turn the pages.

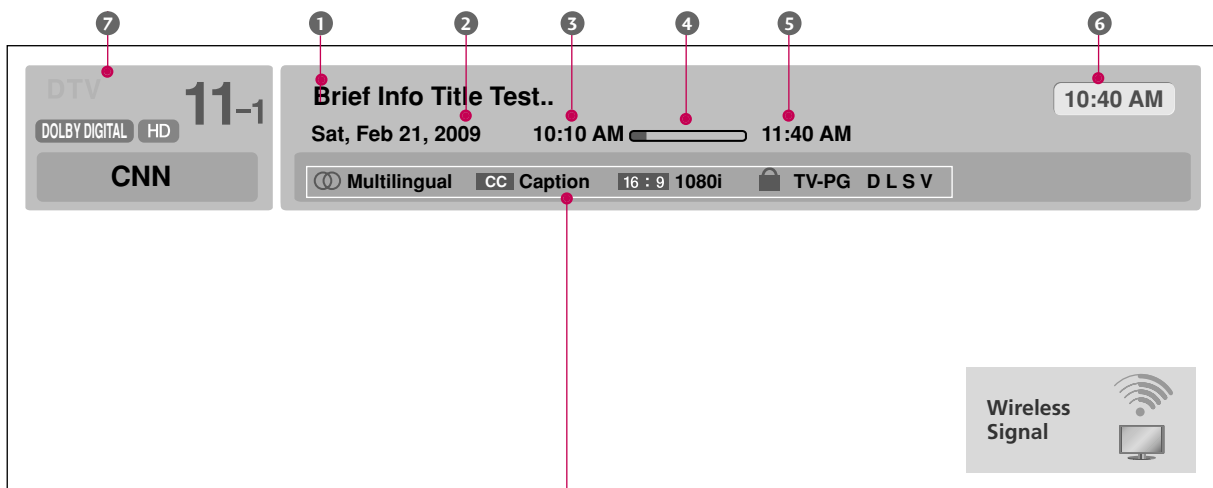**2** RETURN   Return to TV viewing.

BRIEF INFORMATION

Brief Info shows the present screen information.

1

INFO⊕ Show the Brief Info on the screen.

2

RETURN Return to TV viewing.

⑦ ① ② ③ ④ ⑤ ⑥

DTV **11**–1	**Brief Info Title Test..**			10:40 AM
DOLBY DIGITAL HD	Sat, Feb 21, 2009 10:10 AM ▭ 11:40 AM			
CNN	◯◯ **Multilingual** CC **Caption** 16:9 **1080i** 🔒 **TV-PG D L S V**			

Wireless Signal

|		
◯◯	**Multilingual** : The program contains two or more audio services. Use the **Q.MENU** menu to select wanted Audio.	
CC	**Caption** : The program contains one or more caption services. Use the **Q.MENU** menu to select wanted Closed caption.	
4:3 16:9	The original aspect ratio of the video is 4:3 The original aspect ratio of the video is 16:9 (wide)	
480i 480p 720p 1080i 1080p	The video resolution is 720x480i The video resolution is 720x480p The video resolution is 1280x720p The video resolution is 1920x1080i The video resolution is 1920x1080p	
🔒	**V-Chip**: The program contains V-Chip information. Refer to the LOCK menu: A (Age), D (Dialogue), L (Language), S (Sex), V (Violence), FV (Fantasy Violence)	

① Program title
② Day, Month, Year
③ Program start time
  Program progress bar
  Program finish time
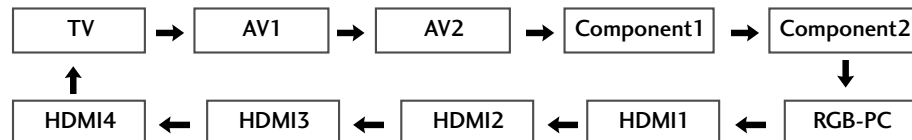 Present time
  Banner information

INPUT LIST

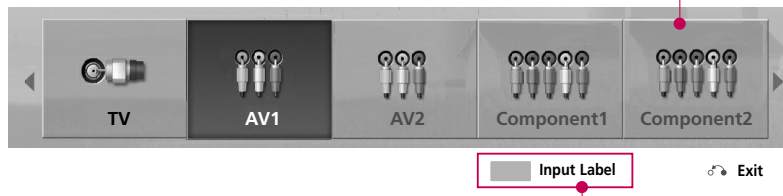**Only these input signals which are connected to a TV can be activated and selected.**

1
INPUT | ‹ › | ENTER
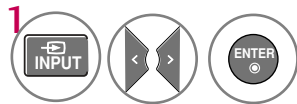
Select the desired input source.
■ You can also select the desired input source in the **INPUT** menu.

TV → AV1 → AV2 → Component1 → Component2 ↓
↑
HDMI4 ← HDMI3 ← HDMI2 ← HDMI1 ← RGB-PC

ie)

Disconnected inputs are inactive (grayed out)

TV   AV1   AV2   Component1   Component2

Input Label   Exit

Select a desired input source (except **TV**). Then, you can select your desired **Input Label** with using Blue button. ▶ **p.55**

ie) In case of changing the input label using Blue button

VCR   Game   DVD   Set Top Box
TV   AV1   AV2   Component1   Component2

■ When new external device is connected, this popup menu is displayed automatically.
  If selecting **Yes**, you can select input source that you want to appreciate.
■ But, when selecting "**SIMPLINK - On**", popup menu for HDMI input will not be displayed.

⚠ **New external input is connected. Do you want to use this?**

AV2

Yes   No

___
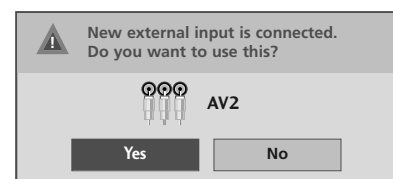
■ **TV**: Select it to watch over-the-air, cable and digital cable broadcasts.
■ **AV**: Select them to watch a VCR or other external equipment.

■ **Component**: Select them to watch DVD or a Digital set-top box.
■ **RGB-PC**: Select it to view PC input.
■ **HDMI**: Select them to watch high definition devices.