LG

Life's Good

LCD TV / DVD Combo
OWNER'S MANUAL

26LG40
32LG40

Please read this manual carefully before operating your set and retain it for future reference.

Write the model number and serial number from the label on the back cabinet on the front or back of this manual.

CAUTION - CLASS 1M VISIBLE
AND INVISIBLE LASER RADIATION
WHEN OPEN DO NOT VIEW DIRECTLY
WITH OPTICAL INSTRUMENTS

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

ENERGY STAR

As an ENERGY STAR Partner LG Electronics USA, Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

www.lgusa.com / www.lg.ca

WARNING / CAUTION

WARNING / CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING/CAUTION

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

NOTE TO CABLE/TV INSTALLER

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

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

A

SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS
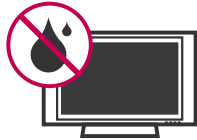
Read these instructions.
Keep these instructions.
Heed all warnings.
Follow all instructions.

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.
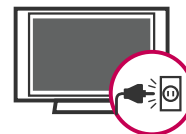
10 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
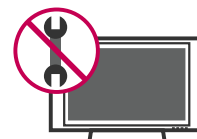
SAFETY INSTRUCTIONS

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
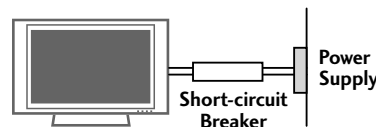
18 DISCONNECTING DEVICE FROM MAINS

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

19 Keep the product away from direct sunlight.
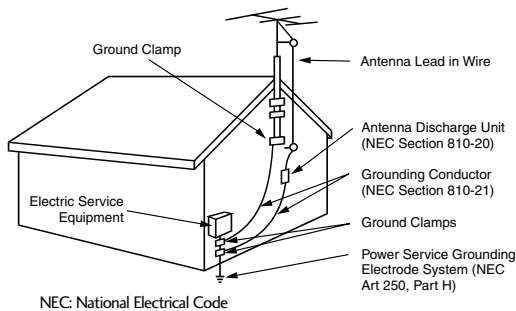
20 ANTENNAS

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 overhead 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.

CONTENTS

SOUND & LANGUAGE CONTROL

TIME SETTING

PARENTAL CONTROL / RATINGS

APPENDIX

- 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

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.

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.
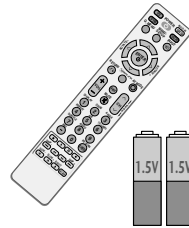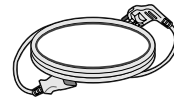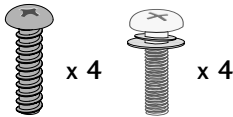The accessories included may differ from the images below.
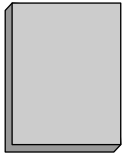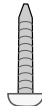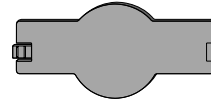
Owner's Manual

CD Manual

Remote Control, Batteries

Power Cord
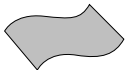
x 4   x 4

Bolts for stand assembly
(Refer to P.10)

Screw for stand fixing
(Refer to P.12)

Protection Cover

Cable Management Clip

Polishing Cloth
(This feature is not available for all models.)

* Wipe spots on the exterior only with the polishing cloth.
* Do not wipe roughly when removing stains. Excessive pressure may cause scratches or discoloration.
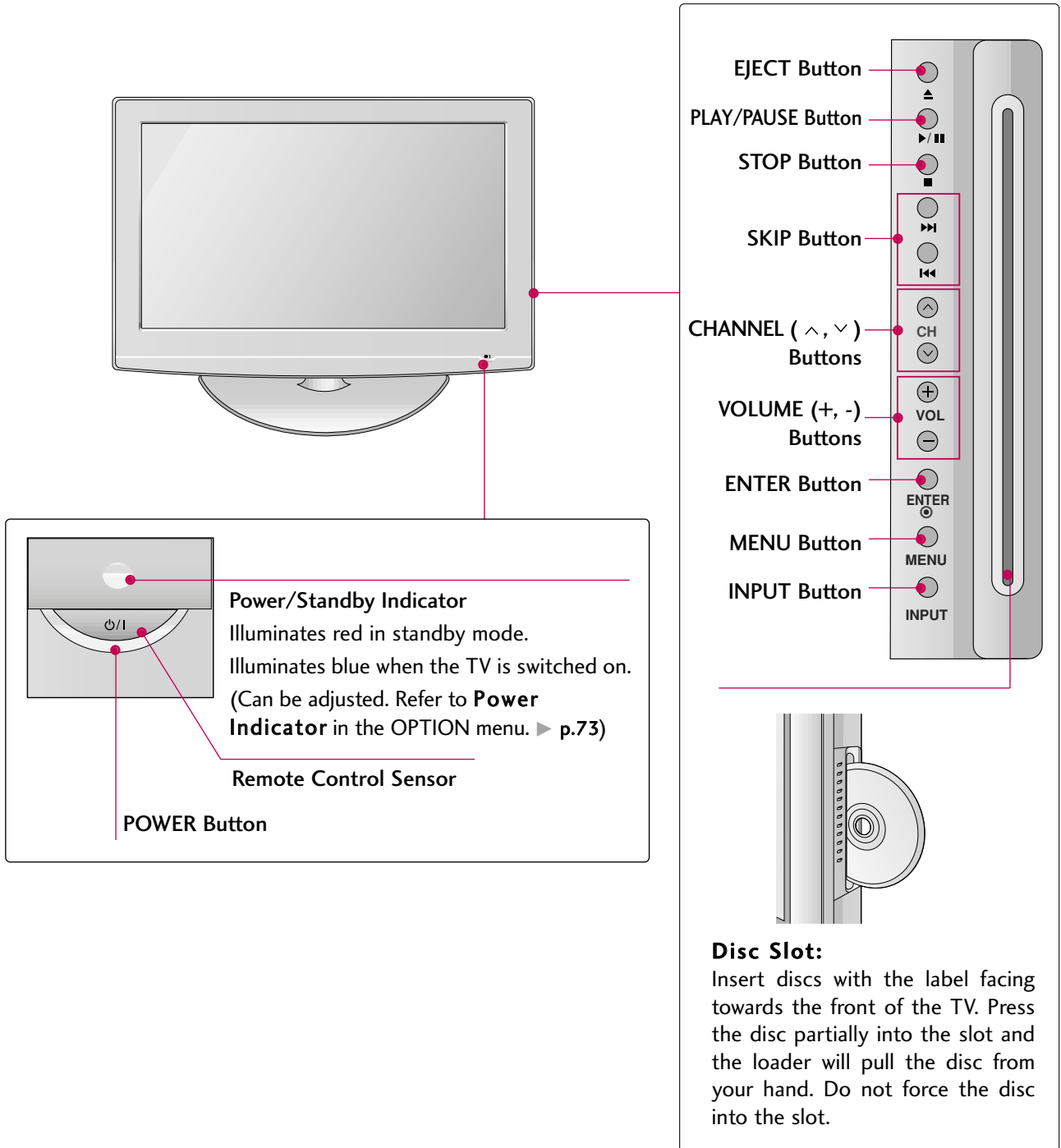
Option Extras
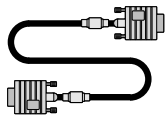
D-sub 15 pin Cable

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.
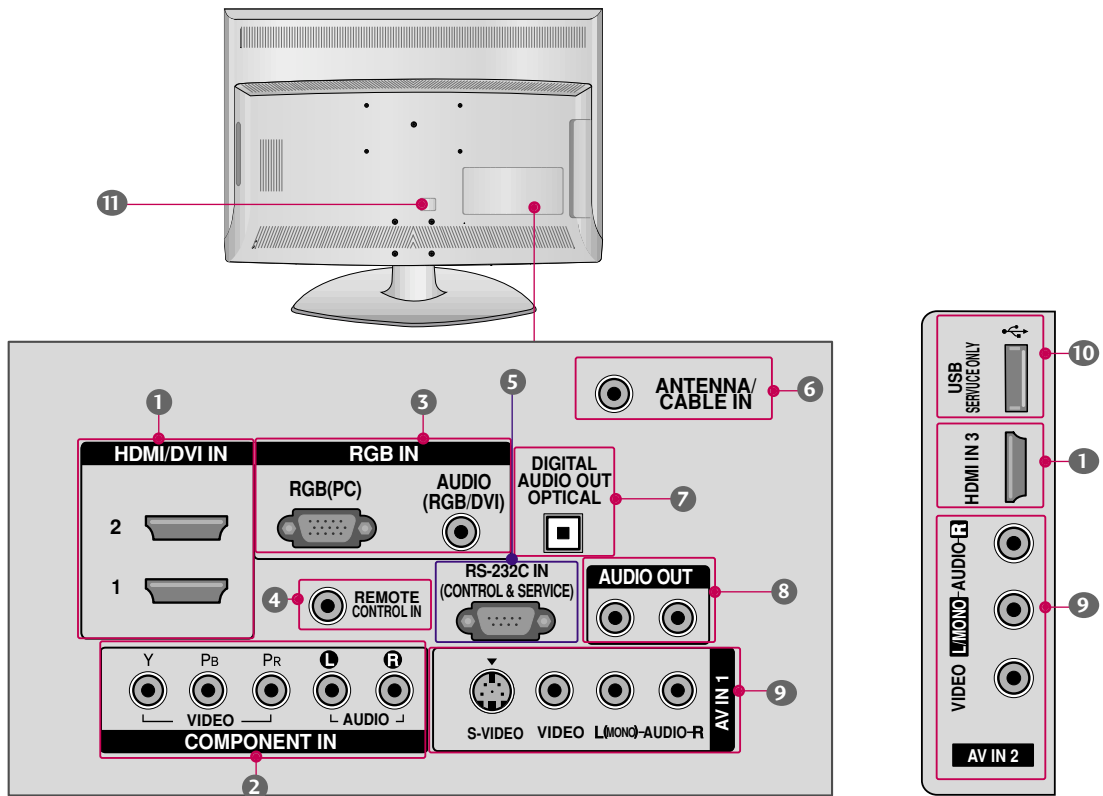
PREPARATION

FRONT PANEL INFORMATION

▪ Image shown may differ from your TV.

▪ **NOTE**: If your TV has a protection tape attached, remove the tape.
   And then wipe the TV with a cloth (If a polishing cloth is included with your TV, use it).

EJECT Button ▲

PLAY/PAUSE Button ▶/❚❚

STOP Button ■

SKIP Button ▶▶❘ ❘◀◀

CHANNEL (∧ , ∨)
Buttons
CH

VOLUME (+, -)
Buttons
VOL

ENTER Button
ENTER

MENU Button
MENU

INPUT Button
INPUT

Power/Standby Indicator
Illuminates red in standby mode.
Illuminates blue when the TV is switched on.
(Can be adjusted. Refer to **Power Indicator** in the OPTION menu. ▶ **p.73**)

Remote Control Sensor

POWER Button

ⓘ/❙

Disc Slot:
Insert discs with the label facing towards the front of the TV. Press the disc partially into the slot and the loader will pull the disc from your hand. Do not force the disc into the slot.

BACK PANEL INFORMATION

■ Image shown may differ from your TV.

1. **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).

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

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

4. **REMOTE CONTROL IN PORT**
   For a wired remote control.

5. **RS-232C IN (CONTROL & SERVICE)**
   Used by third party devices.

6. **ANTENNA/CABLE IN**
   Connect over-the air signals to this jack.
   Connect cable signals to this jack.

7. **DIGITAL AUDIO OUT OPTICAL**
   Digital audio output for use with amps and home theater systems.
   Includes an optical connection.
   Note: In standby mode, these ports do not work.

8. **AUDIO OUT**
   Analog audio output for use with amps and home theater systems.

9. **AV (Audio/Video) IN**
   Analog composite connection. Supports standard definition video only (480i).
   S-VIDEO
   Better quality than standard composition. Supports standard definition video only (480i).

10. **USB SERVICE ONLY**
    Used for software updates.

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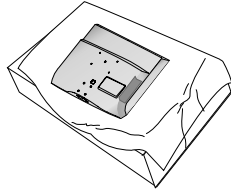   Caution: Never attempt to operate the TV on DC power.
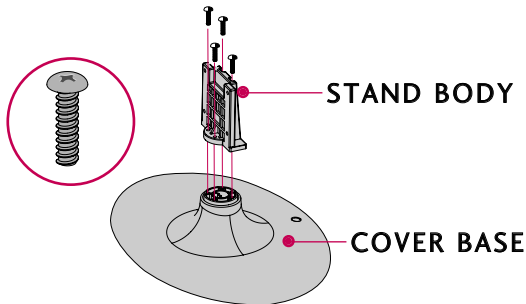
STAND INSTRUCTION

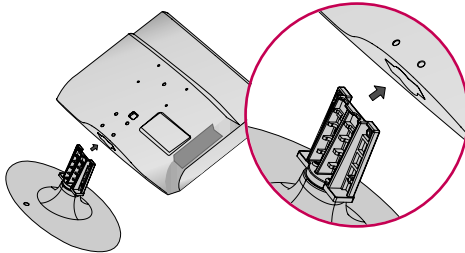■ Image shown may differ from your TV.

INSTALLATION

1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.
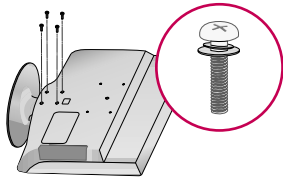
2 Assemble the parts of the **STAND BODY** with **COVER BASE** of the TV.

STAND BODY

COVER BASE

3 Assemble the TV as shown.

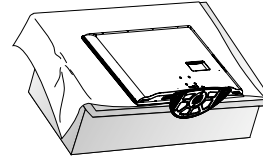**4** Fix the 4 bolts securely using the holes in the back of the TV.

! 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.

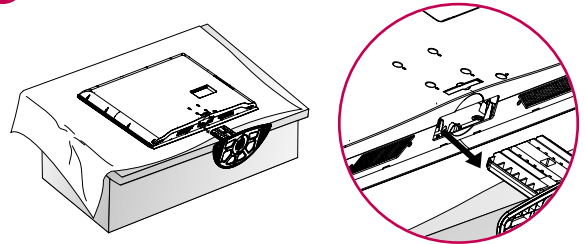### DETACHMENT

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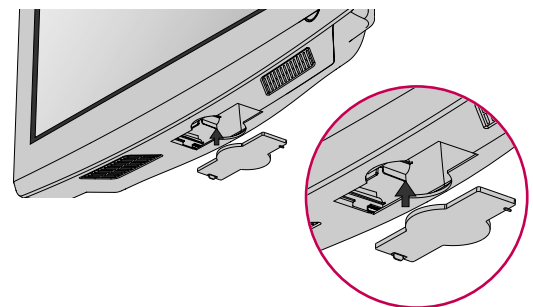
2 Loose the bolts from TV.
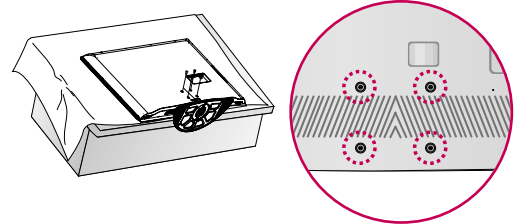
3 Detach the stand from TV.

PROTECTION COVER

After removing the stand, install the included **protection cover** over the hole for the stand.

Press the **PROTECTION COVER** into the TV until you hear it click. And push the tab aside.
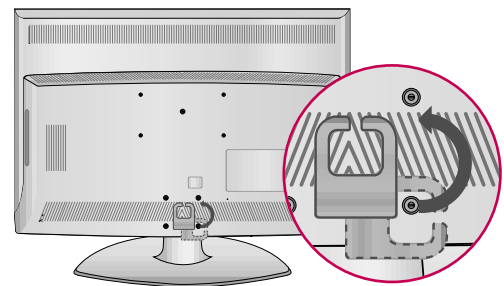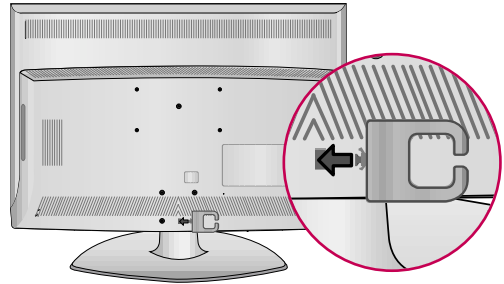
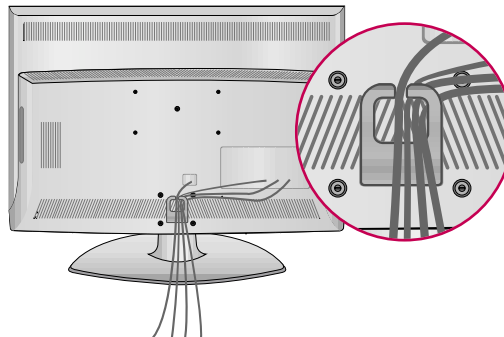# CABLE MANAGEMENT

■ Image shown may differ from your TV.

1 Align the hole with the tab on the **CABLE MANAGEMENT CLIP**.

Turn the **CABLE MANAGEMENT CLIP** as shown.

Note: This cable management clip can be broken by excessive pressure.

2 Connect the cables as necessary.

To connect additional equipment, see the **EXTERNAL EQUIPMENT SETUP** section.
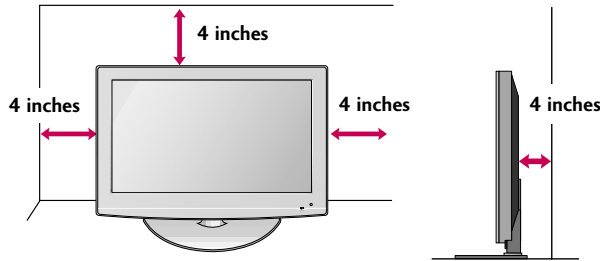
DESKTOP PEDESTAL INSTALLATION

■ 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.
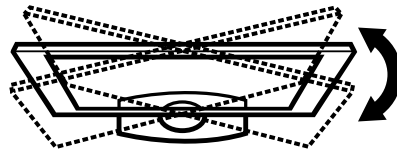
ATTACHING THE TV TO A DESK

The TV should be attached to a desk so it cannot be pulled in a forward/backward direction, potentially causing injury or damaging the TV.

Stand

1-Screw
 (provided as parts of the product)

Desk
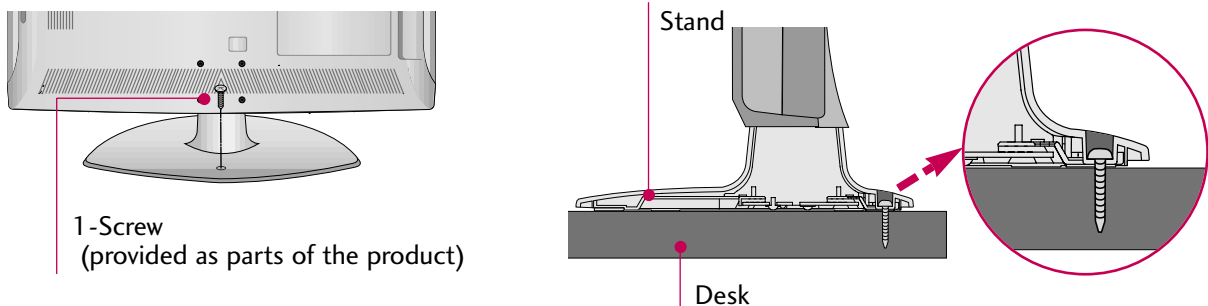
⚠ WARNING

► To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the machine may cause injury.

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 dealer.

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.

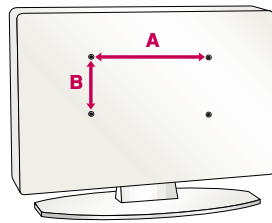| Product	Model	VESA (A * B)	Standard Screw	Quantity
LCD TV	26LG40, 32LG40	200 * 100	M4	4

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.

SECURING THE TV TO THE WALL TO PREVENT FALLING WHEN THE TV IS USED ON A STAND

■ You should purchase necessary components to prevent TV from falling off of the stand.

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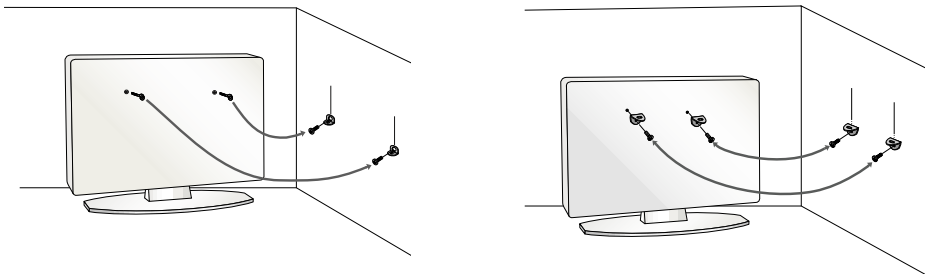
■ Insert the eye-bolts (or TV brackets and bolts) to tighten the product to the wall as shown in the picture.

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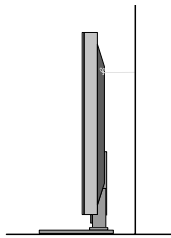
■ Use a sturdy rope (sold separately) to tie the product. It is safer to tie the rope so it becomes horizontal between the wall and the product.

🛈 NOTE

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

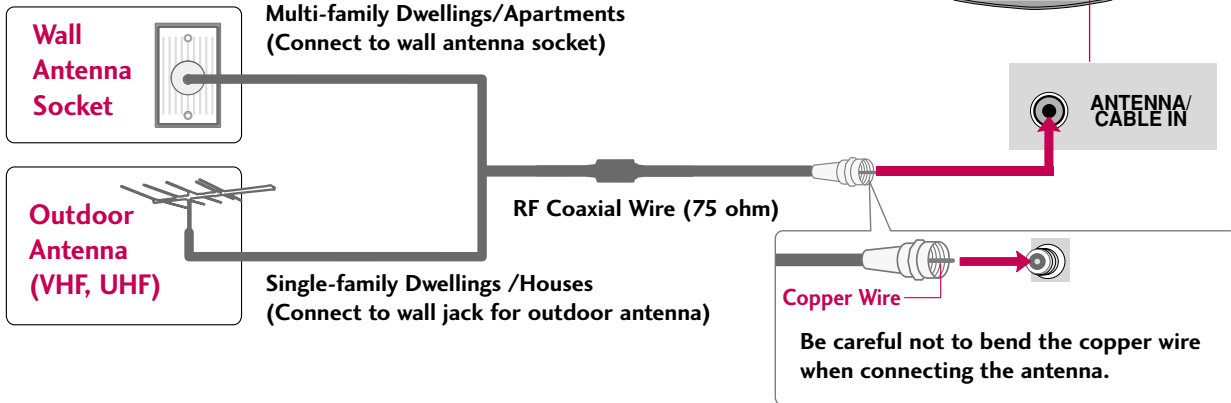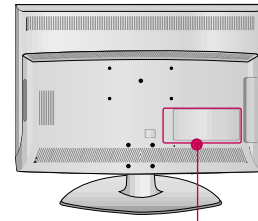► To use the TV safely make sure that the height of the bracket on the wall and the one on the TV are the same.

■ To prevent damage do not connect to the power outlet until all connections are made between the devices.

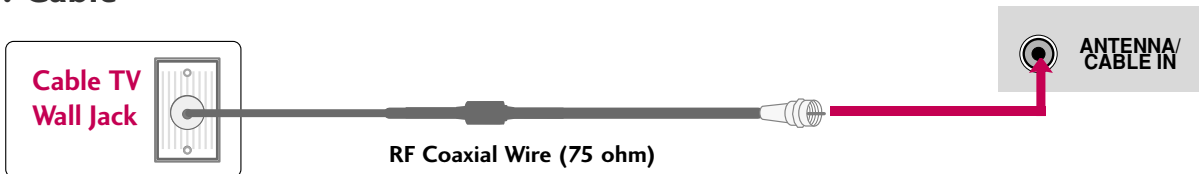# ANTENNA OR CABLE CONNECTION

1. Antenna (Analog or Digital)

Wall Antenna Socket or Outdoor Antenna without a Cable Box Connections.

For optimum picture quality, adjust the antenna direction if needed.

Wall Antenna Socket

Outdoor Antenna (VHF, UHF)

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

RF Coaxial Wire (75 ohm)

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

ANTENNA/ CABLE IN

Copper Wire

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

2. Cable

Cable TV Wall Jack

ANTENNA/ CABLE IN

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.

HD RECEIVER SETUP

This TV can receive digital over-the-air or 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, refer to the figure as shown below.

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** jacks on the TV. 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** jacks on the TV.
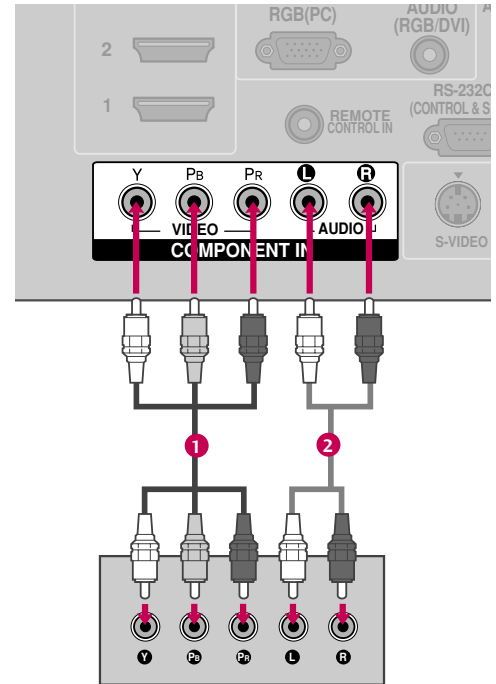
2. How to use

■ Turn on the digital set-top box.
(Refer to the owner's manual for the digital set-top box. operation)
■ Select the **Component** input source on the TV using the **INPUT** button on the remote control.

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

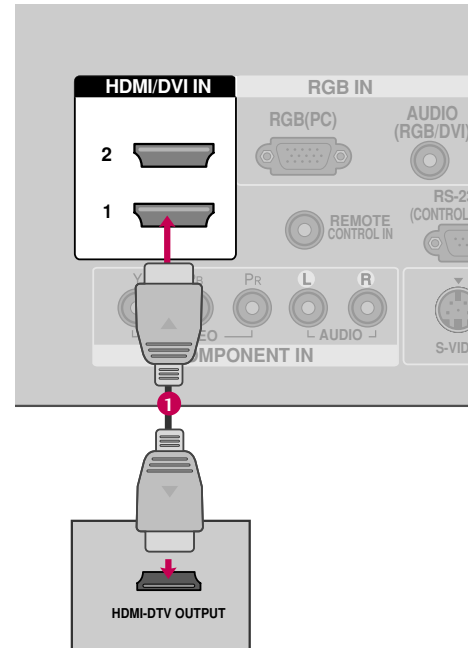| Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
720x480i	15.73 15.73	59.94 60.00
720x480p	31.47 31.50	59.94 60.00
1280x720p	44.96 45.00	59.94 60.00
1920x1080i	33.72 33.75	59.94 60.00
1920x1080p	26.97 27.00 33.71 33.75 67.43 67.50	23.94 24.00 29.97 30.00 59.94 60.00

HDMI Connection

1. How to connect

1 Connect the digital set-top box to **HDMI/DVI IN1**, **2**, or **3** jack on the TV.

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**, or **HDMI3** input source on the TV using the **INPUT** button on the remote control.
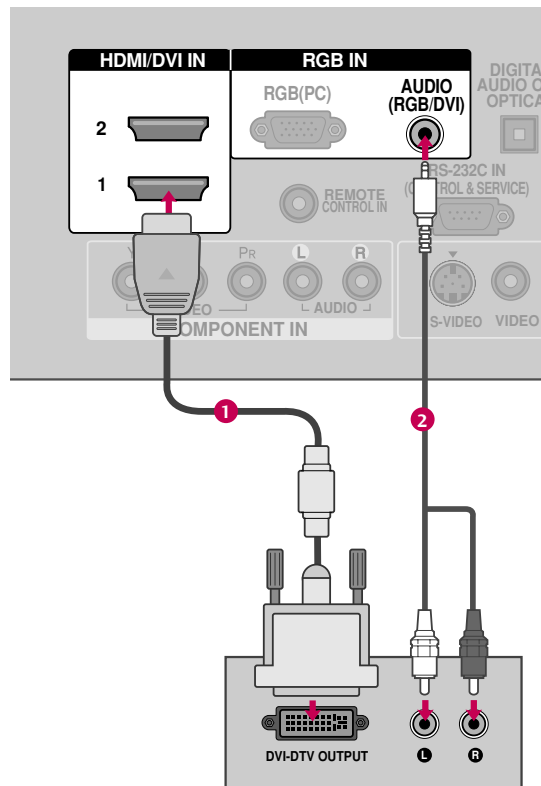
HDMI-DTV

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	23.976 24.00 29.97 30.00 59.939 60.00

DVI to HDMI Connection

1. How to connect

1 Connect the DVI output of the digital set-top box to the **HDMI/DVI IN1**, **2**, or **3** jack on the TV.

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

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 **HDMI 1**, **HDMI 2** or **HDMI 3** input source on the TV using the **INPUT** button on the remote control.

❗ NOTE

▶ A DVI to HDMI cable or adapter is required for this connection. DVI doesn't support audio, so a separate audio connection is necessary.

DVD SETUP

Component Connection

1. How to connect

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

2 Connect the audio outputs of the DVD to the **COMPO-NENT IN AUDIO** jacks on the TV.
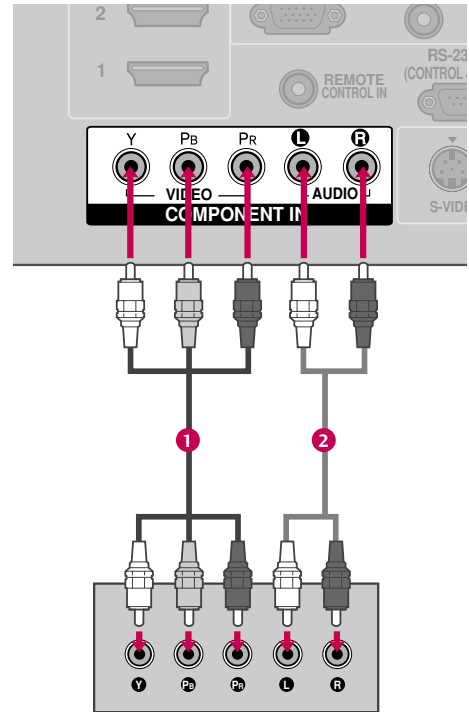
2. How to use

■ Turn on the DVD player, insert a DVD.

■ Select **Component** input source by using the **INPUT** button on the remote control.

■ Refer to the DVD player's manual for operating instructions.

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

| Component ports on the TV	Y	PB	PR
Video output ports on DVD player	Y	PB	PR
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

EXTERNAL EQUIPMENT SETUP

S-Video Connection

1. How to connect

1 Connect the S-VIDEO output of the DVD to the **S-VIDEO** input on the TV.

2 Connect the audio outputs of the DVD to the **AUDIO** input jacks on the TV.

2. How to use

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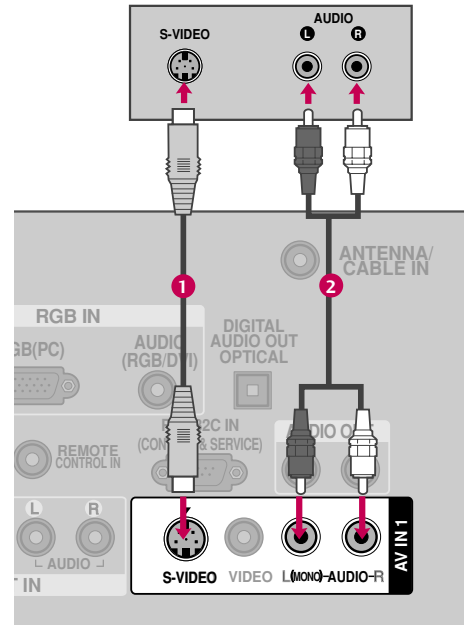
HDMI Connection

1. How to connect

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

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

2. How to use

■ Select the **HDMI 1**, **2**, or **3** input source on the TV using the **INPUT** button on the remote control.
■ Refer to the DVD player's manual for operating instructions.
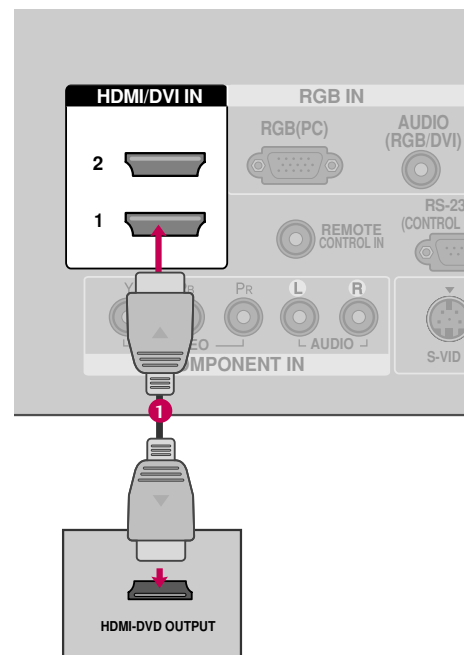
VCR SETUP

■ To avoid picture noise (interference), leave an adequate distance between the VCR and TV.
■ If the 4:3 picture format is used; the fixed images on the sides of the screen may remain visible on the screen. This phenomenon is common to all TVs and is not covered by warranty.

Antenna Connection
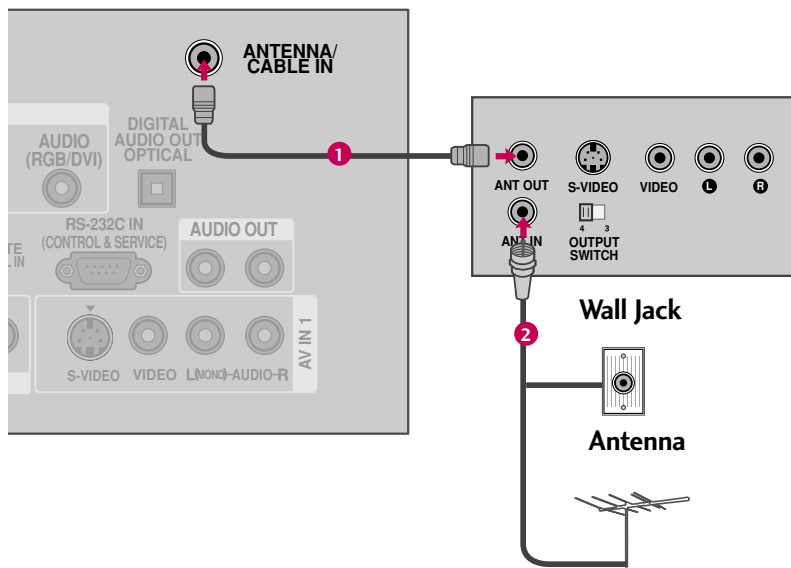
1. How to connect

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

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 TV 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.)

EXTERNAL EQUIPMENT SETUP

Composite (RCA) Connection
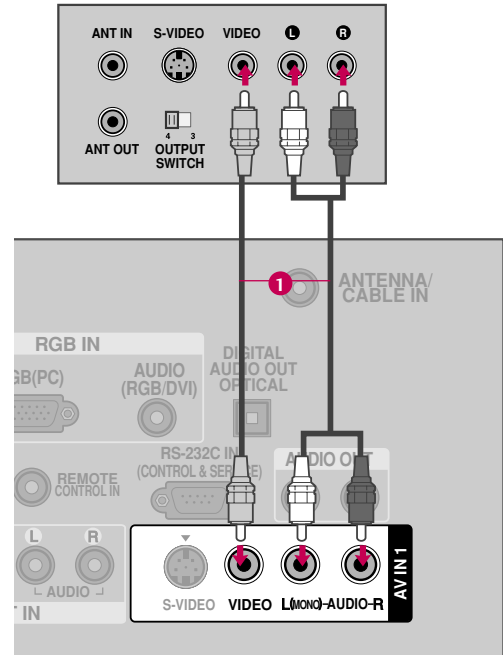
1. How to connect

1 Connect the **AUDIO/VIDEO** jacks between TV 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 TV using the **INPUT** button on the remote control.
■ If connected to **AV IN2**, select **AV2** input source on the TV.

❗ NOTE

▶ If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** jack of the TV.
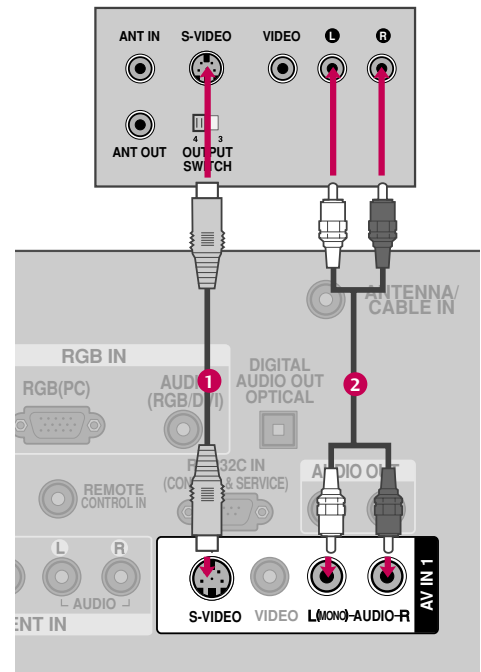
S-Video Connection

1. How to connect

1 Connect the S-VIDEO output of the VCR to the **S-VIDEO** input on the TV.

2 Connect the audio outputs of the VCR to the **AUDIO** input jacks on the TV.

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 TV using the **INPUT** button on the remote control.

⚠ CAUTION

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

❗ NOTE

▶ The picture quality is improved: compared to normal composite (RCA cable) input.

OTHER A/V SOURCE SETUP

1. How to connect

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

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

2. How to use

- Select the **AV2** input source on the TV using the **INPUT** button on the remote control.
- If connected to **AV IN1** input, select the **AV1** input source on the TV.
- Operate the corresponding external equipment.

Camcorder

Video Game Set

VIDEO **L** **R**

HDMI

VIDEO L/MONO AUDIO R

AV IN 2
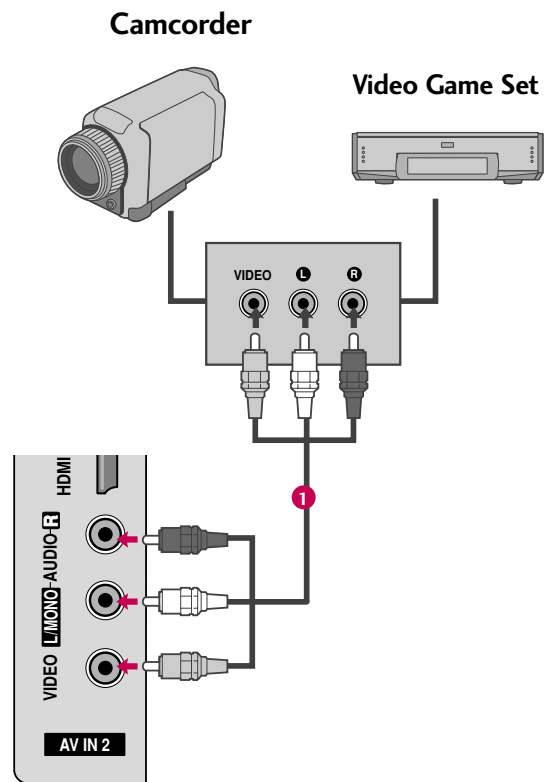
AUDIO OUT CONNECTION

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

Analog

1. How to connect

1 Connect audio outputs to the TV's **AUDIO OUT** jacks.

2 Set the "TV Speaker option - Off" in the AUDIO menu. (▶ **p.79**). See the external audio equipment instruction manual for operation.
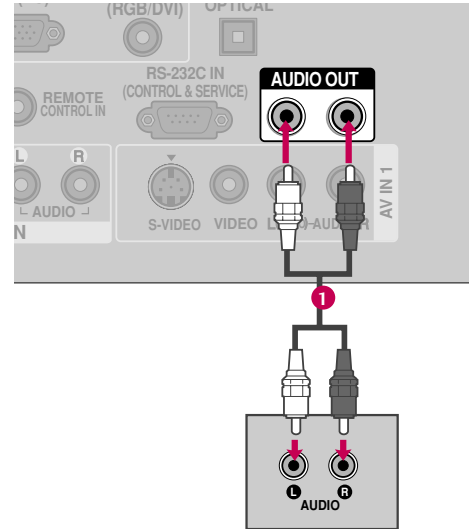
Digital

1. How to connect

1 Connect one end of the optical cable to the TV's **OPTI- CAL** port of **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.79**). See the external audio equipment instruction manual for operation.

❶ NOTE

▶ When connecting with external audio equipments, such as amplifiers or speakers, you can turn the TV speakers off in the menu. (▶ **p.79**)

⚠ CAUTION

▶ Do not look into the optical output port. Looking at the laser beam may damage your vision.
▶ Composite audio out (the red and white jacks) only works with composite inputs. Use optical audio output for any type of DTV signal.
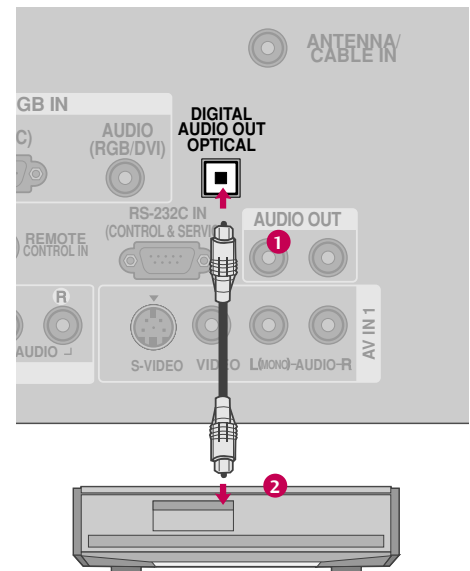
PC SETUP

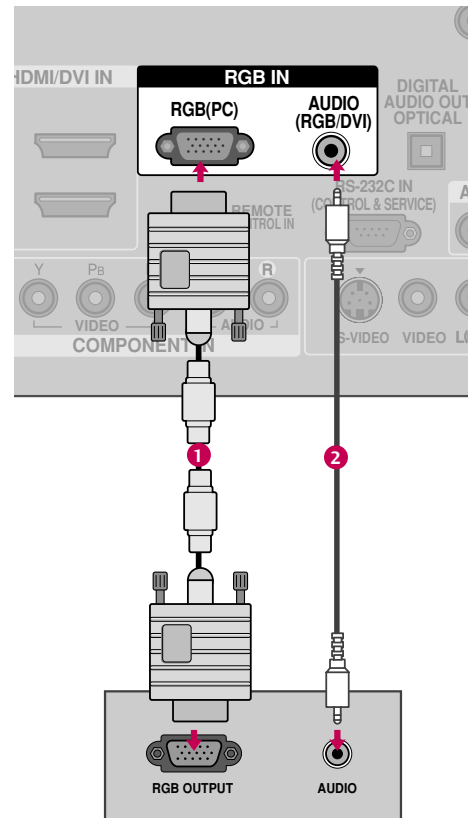This TV provides Plug and Play capability, no display driver is needed.

VGA (D-Sub 15 pin) Connection

1. How to connect

1 Connect the VGA output of the PC to the **RGB (PC)** jack on the TV.

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

2. How to use

■ Turn on the PC and the TV.
■ Select the **RGB-PC** input source on the TV using the **INPUT** button on the remote control.
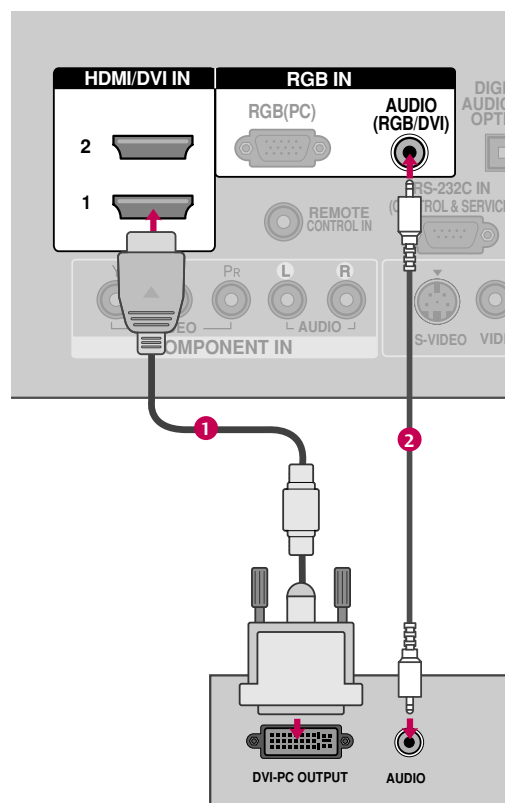
EXTERNAL EQUIPMENT SETUP

DVI to HDMI Connection

1. How to connect

① Connect the DVI output of the PC to the **HDMI/DVI IN1**, **2**, or **3** jack on the TV.

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

2. How to use

■ Turn on the PC and the TV.

■ Select the **HDMI 1**, **HDMI 2** or **HDMI 3** input source on the TV using the **INPUT** button on the remote control.

HDMI/DVI IN

RGB IN

RGB(PC)

AUDIO
(RGB/DVI)

DIGIT
AUDIO
OPTIC

2

1

RS-232C IN
(ROL & SERVICE)

REMOTE
CONTROL IN

P_R   L   R

AUDIO

S-VIDEO   VIDE

COMPONENT IN

DVI-PC OUTPUT   AUDIO

26

🄸 **NOTES**

▶ To get the the best picture quality, adjust the PC graphics card to 1360x768.

▶ 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, run Auto Config. in the Screen (RGB-PC) menu. You may also try changing 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.

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

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
640x350	31.469	70.08
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	47.720	59.799
1366x768	47.130	59.65

* Only RGB-PC mode
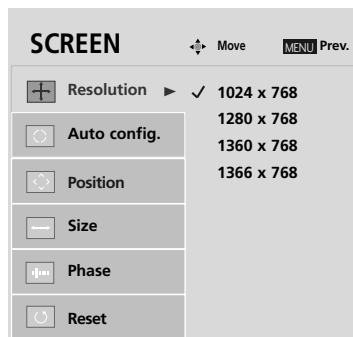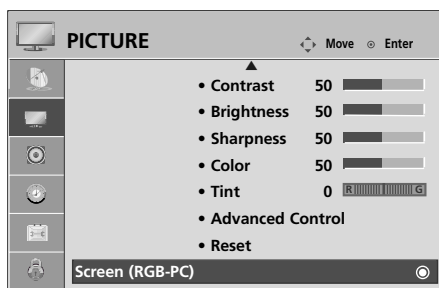
Screen Setup for PC mode
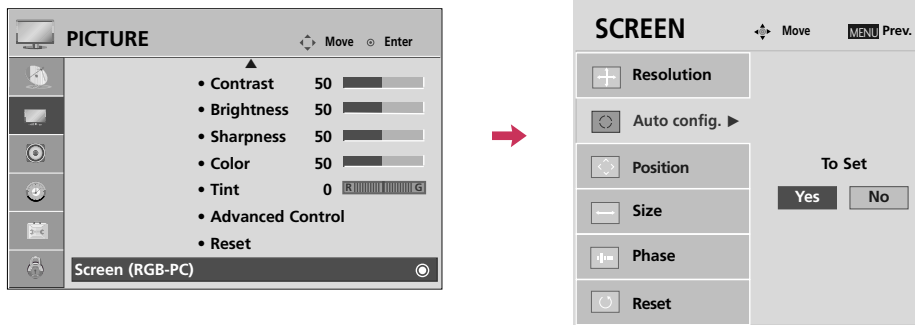
Selecting Resolution

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 R|||||||||||||G
• Advanced Control	
• Reset	
Screen (RGB-PC)	

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

1 MENU/SET UP   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
            • Reset
  Screen (RGB-PC)                        ◉
```

```
SCREEN          ◇ Move    MENU Prev.
  ⊞  Resolution
  ◇  Auto config. ▶
  ◇  Position              To Set
  ▭  Size               Yes    No
  ▮  Phase
  ⊙  Reset
```

1 MENU/ SET UP — Select **PICTURE**.

2 ENTER — Select **Screen (RGB-PC)**.

3 ENTER — Select **Auto config.**.

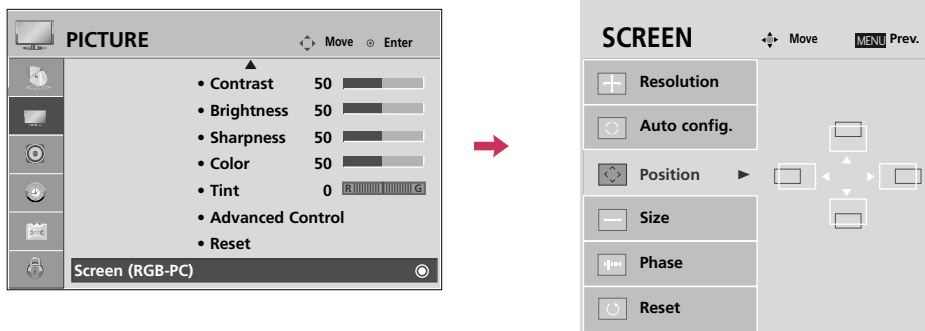**4** ENTER — Select **Yes**.

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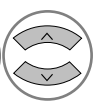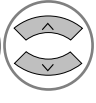
Adjustment for screen Position, Size, and Phase

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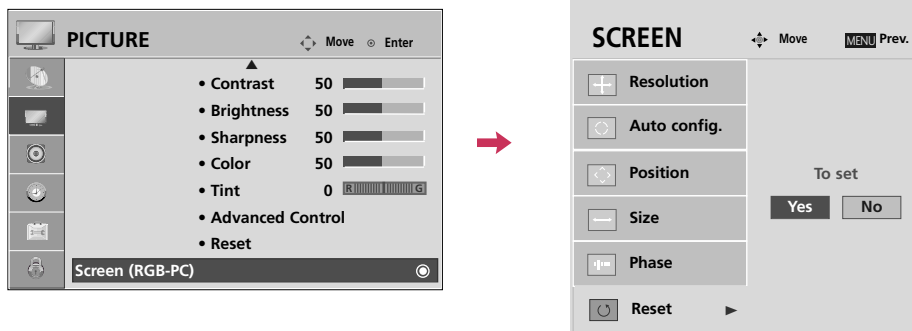**This feature operates only in RGB-PC mode.**

PICTURE ⟨⟩ Move ⊙ Enter
• Contrast 50
• Brightness 50
• Sharpness 50
• Color 50
• Tint 0 R⎮⎮⎮⎮⎮⎮⎮⎮⎮⎮ G
• Advanced Control
• Reset
Screen (RGB-PC) ◉

SCREEN ⟨⟩ Move 〔MENU〕 Prev.
⊞ Resolution
⟨⟩ Auto config.
⟨⟩ Position ▶
▭ Size
〡 Phase
↻ Reset

1 MENU/ SET UP   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	
• Reset	
Screen (RGB-PC)	

SCREEN	Move MENU Prev.
Resolution	
Auto config.	
Position	To set
Size	Yes No
Phase	
Reset ▶	

1 MENU/SET UP   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.

TV/STB/VCR /BUILT-IN DVD	Select the remote operating mode: TV, STB, VCR, or BUILT-IN DVD.
POWER	Turns your TV or any other programmed equipment on or off, depending on the mode.
Q.MENU	Select the desired quick menu source. ▶**p.35**
MENU	Displays the main menu. Clear all on-screen displays and return to TV viewing from any menu.
INPUT	External input modes rotate in regular sequence.

VOLUME UP /DOWN	Increase/decrease the sound level.
FAV	Scroll through the programmed Favorite channels. ▶**p.35**
MUTE	Switch the sound on or off. ▶**p.34**
CHANNEL UP/DOWN	Select available channels.
PAGE UP/DOWN	Move from one full set of screen information to the next one.

NUMBER button

— (DASH)	Used to enter a program number for multiple program channels such as 2-1, 2-2, etc.
FLASHBK	Tune to the last channel viewed.

VCR, SIMPLINK Control buttons	● Control video cassette recorders. ● Control the SIMPLINK compatible devices.

DVD Control buttons	Controls the Built-In DVD Operation. For further details, see the 'DVD Operation' section. ▶ **p.46-61**

32
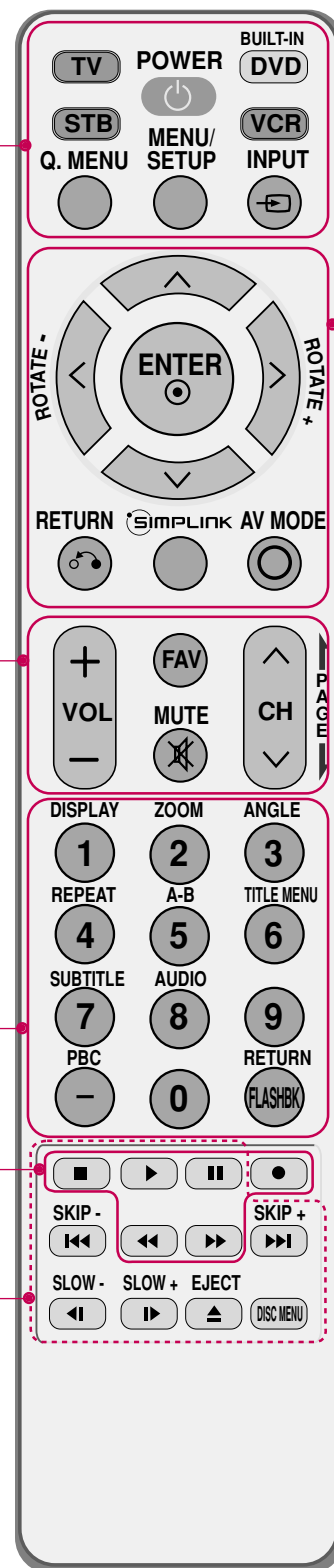
|	
THUMBSTICK (Up/Down/Left Right/ENTER)	Navigate the on-screen menus and adjust the system settings to your preference.
RETURN	Allows the user to move return one step in an interactive application or other user interaction function. Also closes menus.
SIMPLINK	See a list of SIMPLINK compatible devices connected to the TV. When you press this button, the SIMPLINK menu appears at the screen. ► **p.44-45**
AV MODE	Toggles through preset picture and audio settings. ► **p.43**
Blue Color Button	The recommands printed on the remote in blue are active when in Built-In DVD mode. For further details, see the 'DVD Operation' section. ► **p.46-61**

Installing Batteries
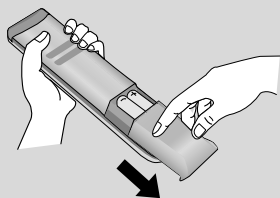
■ Open the battery compartment cover on the back side and install the batteries matching correct polarity (+with +,-with -).

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

■ Close cover.

WATCHING TV / CHANNEL CONTROL

TURNING ON TV

1 First, connect power cord correctly.
At this moment, the TV switches to standby mode.
- In standby mode to turn TV on, press the ⏻/I , **INPUT**, **CH (∧** 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.

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.

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**: Selects your desired picture format.
- **Backlight**: Adjust the brightness of LCD panel to control the brightness of the screen.
- **Clear Voice**: By differentiating the human sound range from others, it helps make human voices sound better.
- **Picture Mode**: Selects the factory preset picture depend on the viewing environment.
- **Sound Mode**: Selects the factory preset sound for type of program.

- **Caption**: Select on or off.
- **Multi Audio**: Changes the audio language (Digital signal).
  SAP: Selects MTS sound (Analog signal).
- **Sleep Timer**: Select the amount of time before your TV turns off automatically.
- **Del/Add/Fav**: Select channel you want to add/delete or add the channel to the Favorite List.

Q.Menu	
▭ Aspect Ratio	◄ **16:9** ►
☼ Backlight	**3**
▣ Clear Voice	**Off**
◉ Picture Mode	**Vivid**
♫ Sound Mode	**Standard**
▢ Caption	**Off**
((◉)) Multi Audio	**English**
⏲ Sleep Timer	**Off**
CH Del/Add/Fav	**Add**
Close	

1 Q. MENU / ⌄⌃   Display each menu.
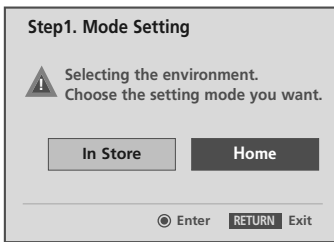
2 ‹ ›   Make appropriate adjustments.

3 Q. MENU   Return to TV viewing.

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**". We recommend setting the TV to "**Home**" mode for the best picture in your home environment.

■ "**In-store**" 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.

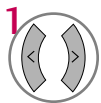## Step1. Mode Setting

Step1. Mode Setting

⚠ Selecting the environment.
Choose the setting mode you want.

| In Store | Home |

◉ Enter   RETURN Exit

1   Select **Home** Mode.

2 ENTER

Step2. Time Setting

Step2. Time Setting

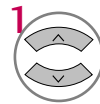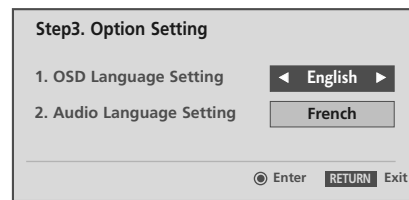| Current Time Setting | ◄ **Auto** ► |
Year	2007
Month	11
Date	15
Hour	5 PM
Minute	52
Time Zone	Eastern
Daylight Saving	Off

◉ Enter   RETURN Exit

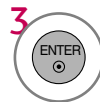**1**   Select **Auto** or **Manual**.

2   Select desired time option.

3 ENTER

Step3. Option Setting

Step3. Option Setting

| 1. OSD Language Setting | ◄ **English** ► |
| 2. Audio Language Setting | French |

◉ Enter   RETURN Exit

1   Select **OSD Language Setting** or **Audio Language Setting**.
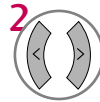
2   Select your desired language.

3 ENTER

Step4. Auto Tuning

Step4. Auto Tuning

Auto Tuning can change channel map.
Do you want to start Auto Tuning?

| Enter |

◉ Enter   RETURN Exit
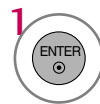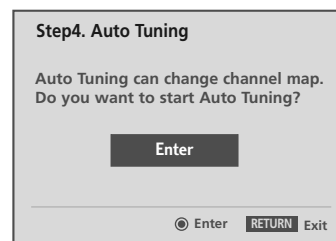
1 ENTER   Start **Auto Tuning**.

! NOTE

■ You can also adjust **Initial Setting** in the **OPTION** menu.

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 Mode : Standard**
  - **• Backlight　80**
  - **• Contrast　90**
  - **• Brightness　50**
  - **• Sharpness　60**
  - **• Color　60**
  - **• Tint　0** R ▐▐▐▐▐▐▐▐▐ G
  - ▼

AUDIO　◇ Move ⊙ Enter

- **Auto Volume : Off**
- **Clear Voice : On**
- **Balance　　　0** L ▐▐▐▐▐▐▐▐▐ R
- **Sound Mode : Standard**
  - **• SRS TruSurround XT: Off**
  - **• Treble　50**
  - **• Bass　50**
  - **• Reset**
  - ▼

TIME　◇ Move ⊙ Enter

- **Clock : Feb/21/2008 2:10 AM**
- **Off Time : Off**
- **On Time : Off**
- **Sleep Timer : Off**
- **Auto Sleep : Off**

CHANNEL　**PICTURE**　**AUDIO**

TIME　**OPTION**　**LOCK**

OPTION　◇ Move ⊙ Enter

- **Language : English**
- **Input Label**
- **SIMPLINK : On**
- **Key Lock : Off**
- **Caption : Off**
- **Set ID : 1**
- **Power Indicator**
- **Initial Setting : Home**

LOCK　◇ Move ⊙ Enter

- **Lock System : Off**
- **Set Password**
- **Block Channel**
- **Movie Rating**
- **TV Rating-Children**
- **TV Rating-General**
- **Downloadable Rating**
- **Input Block**

For USA

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

For Canada

1 MENU/SET UP — Display each menu.

2 ENTER — Select a menu item.

3 ENTER — Enter to the pop up menu.

4 MENU/SET UP — Return to TV viewing.
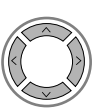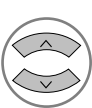
CHANNEL SETUP

Auto Scan (Auto Tuning)

Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list.
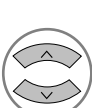**Run Auto Tuning again after any Antenna/Cable connection changes.**

CHANNEL	◁◯▷ Move ⊙ Enter
Auto Tuning	◉
Manual Tuning	
Channel Edit	

➡

CHANNEL	◁◯▷ Move ⊙ Enter
Auto Tuning	
Manual Tuning	
Channel Edit	

ANTENNA CABLE
ANTENNA

Press 'Yes' button to begin auto tuning.

Yes

No

1 MENU/SET UP   Select **CHANNEL**.

2 ENTER   Select **Auto Tuning**.

3 ENTER   Select **Yes**.

4 ENTER   Run **Auto tuning**.

5 RETURN   Return to the previous menu.

MENU/SET UP   Return to TV viewing.

■ A password is required to gain access to Auto Tuning menu if the Lock System is turned on.

Add/Delete Channel (Manual Tuning)

If 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/
SET UP

Select **CHANNEL**.

2
ENTER
◉
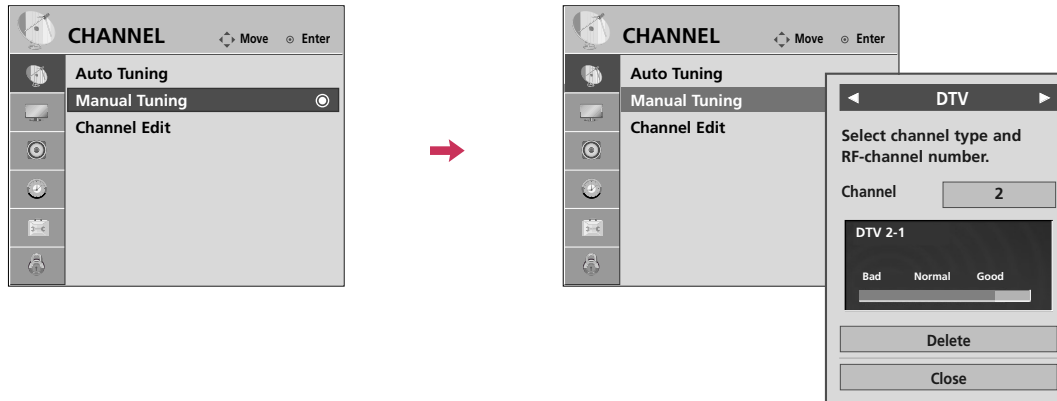
Select **Manual Tuning**.

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/
SET UP

Return to TV viewing.

■ A password is required to gain access to Manual Tuning menu if the Lock System is turned on.
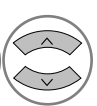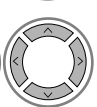
Channel Editing

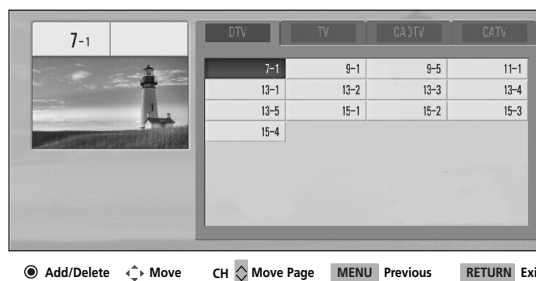A custom list can be created by toggling each channel on or off with the ENTER button. The channels in the Custom List are displayed in black and the channels deleted from the Custom List are displayed in gray.

Once a channel is highlighted you can add or delete the channel by referring to the small window at the top-right corner of the screen.

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

7-1	DTV	TV	CADTV	CATV
	7-1	9-1	9-5	11-1
	13-1	13-2	13-3	13-4
	13-5	15-1	15-2	15-3
	15-4			

◉ Add/Delete   ◇ Move   CH ◇ Move Page   MENU Previous   RETURN Exit

1 MENU/SET UP   Select **CHANNEL**.

2 ENTER   Select **Channel Edit**.

3 ENTER   Select a channel.

4 ENTER   Select channel you want to add or delete.

5 MENU/SET UP   Return to the previous menu.

RETURN   Return to TV viewing.

INPUT LIST

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

Antenna	Cable	AV1	AV2	Component

1

INPUT

ENTER
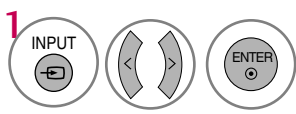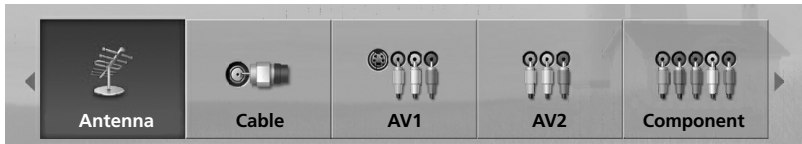
Select the desired input source.

Antenna	→	Cable	→	AV1	→	AV2	→	Component

HDMI3	←	HDMI2	←	HDMI1	←	RGB-PC	←	Built-In DVD

ie)

Antenna	Cable	AV1	AV2	Component

Q.MENU Input Label   RETURN Exit
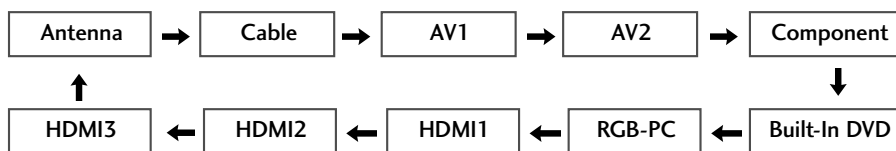
Disconnected inputs are inactivated (grayed out).

Select a desired input source (except **Built-In DVD**, **Antenna** or **Cable**). Then, you can select your desired Input Label with using Q.MENU button.

- ■ **Antenna**: Select it to watch over-the-air broadcasts.
- ■ **Cable**: Select it to watch cable and digital cable.
- ■ **AV**: Select them to watch a VCR or other external equipment.
- ■ **Component**: Select them to watch DVD or a Digital set-top box.

- ■ **Built-In DVD**: Select it to play DVD.
- ■ **RGB-PC**: Select it to view PC input.
- ■ **HDMI**: Select them to watch high definition devices.

INPUT LABEL

You can set a label for each input source when it's not in use.

OPTION	⟨⟩ Move ⊙ Enter
Language	: English
Input Label	⦿
SIMPLINK	: On
Key Lock	: Off
Caption	: Off
Set ID	: 1
Power Indicator	
Initial Setting	: Home

OPTION	⟨⟩ Move ⊙ Enter
Language	: English
Input Label	
SIMPLINK	: On
Key Lock	: Off
Caption	: Off
Set ID	: 1
Power Indicator	
Initial Setting	: Hom

AV1	◄ ►
AV2	
Component	
RGB-PC	
HDMI1	
HDMI2	
HDMI3	
Close	
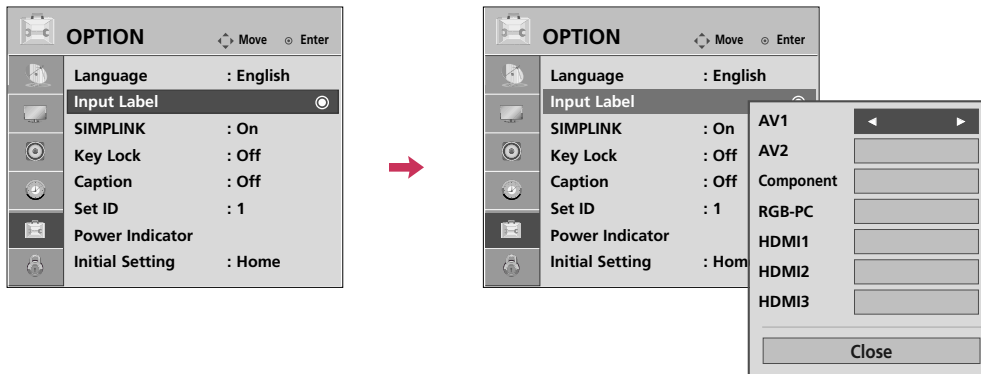
With using OPTION menu

1 MENU/SET UP — Select **OPTION**.

2 ENTER — Select **Input Label**.

3 ENTER — Select the source.

4 — Select the label.

5 RETURN — Return to the previous menu.

MENU/SET UP — Return to TV viewing

With using INPUT button

1 INPUT — Select the source.

2 Q. MENU — Select the label.

3 RETURN — Return to the previous menu.

MENU/SET UP — Return to TV viewing

■ 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 device is connected. Do you want to enjoy this?
	Yes **No**

⚠	Select input source that you want to appreciate.
	AV1
	AV2
	Component
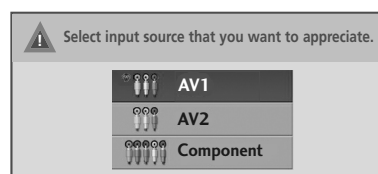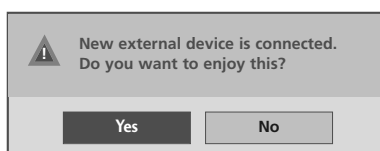
AV MODE

You can select the optimal images and sounds.

Off	→	Cinema
↑		↓
Game	←	Sport

1
AV MODE
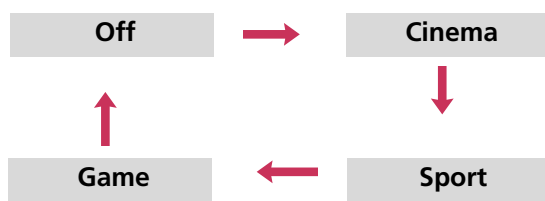
Press the **AV MODE** button repeatedly to select the desired source.

2
ENTER

- If you select "**Cinema**" in AV mode, **Cinema** will be selected both for "PIC-TURE menu - Picture Mode" and "AUDIO menu - Sound Mode" respectively.
- If you select "**Off**" in AV mode, the "**Picture Mode**" and "**Sound Mode**" return to previous selected value.
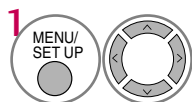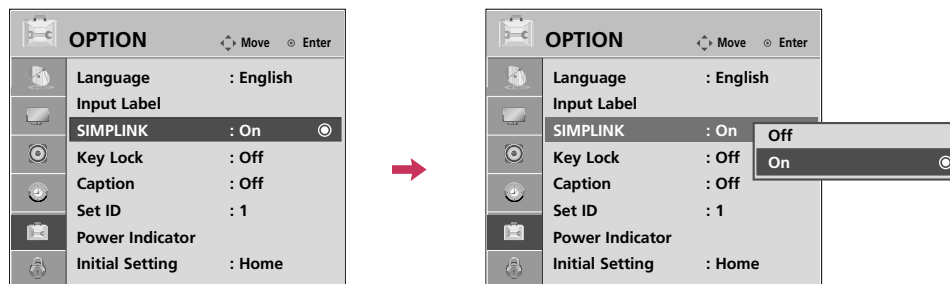
SIMPLINK

This function operates only with devices with the **SIMPLINK** logo.
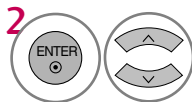
The TV might not function properly when using it with other products with HDMI-CEC function.

This allows you to control and play other AV devices connected with HDMI cable without additional cables and settings.
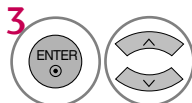
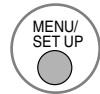To start using SIMPLINK, turn it on in the user menus.

OPTION	Move ⊙ Enter
Language	: English
Input Label	
SIMPLINK	**: On** ◉
Key Lock	: Off
Caption	: Off
Set ID	: 1
Power Indicator	
Initial Setting	: Home

OPTION	Move ⊙ Enter
Language	: English
Input Label	
SIMPLINK	**: On**
Key Lock	: Off
Caption	: Off
Set ID	: 1
Power Indicator	
Initial Setting	: Home

Off
On ◉

1 MENU/SET UP   Select **OPTION**.

2 ENTER   Select **SIMPLINK**.

3 ENTER   Select **On** or **Off**.

4 RETURN   Return to the previous menu.

MENU/SET UP   Return to TV viewing.

! NOTE

► Connect the HDMI/DVI IN or HDMI IN terminal of the TV to the rear terminal (HDMI terminal) of the SIM-PLINK device with the HDMI cable.

► When you switch the Input source with the INPUT button on the remote control, the SIMPLINK device will stop.

► When you select a device with home theater functionality, the sound output automatically switches to the home theater speakers.

► If a connected SIMPLINK home theater system doesn't play the audio from the TV, connect the DIGITAL AUDIO OUT terminal on the back of the TV to the DIGITAL AUDIO IN terminal on the back of the SIM-PLINK device with an OPTICAL cable.

SIMPLINK Functions

■ **Direct Play:** After connecting AV devices to the TV, you can directly control the devices and play media without additional settings.

■ **Select AV device:** Enables you to select one of the AV devices connected to TV.

■ **Disc playback:** Control connected AV devices by pressing the ∧ ∨ ⟨ ⟩ , **ENTER, ►, ■, II,** ◄◄ and ►► buttons.

■ **Power off all devices:** When you power off the TV, all connected devices are turned off.

■ **Switch audio-out:** Offers an easy way to switch audio-out.

■ **Sync Power on:** When you play the connected AV device, TV will automatically turn on.

(A device, which is connected to the TV through a HDMI cable but does not support SIMPLINK, does not provide this function)

Note: To operate SIMPLINK, an HDMI cable over Version 1.2 with *CEC function support should be used. (*CEC: Consumer Electronics Control).

---

1 Display **SIMPLINK** menu.

2 Select the desired device.

3 Control connected AV devices.
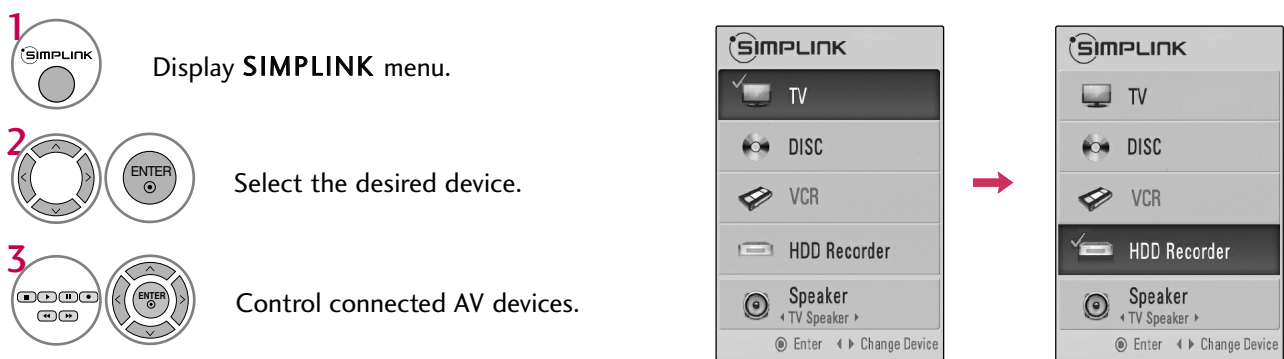
SIMPLINK Menu

❶ **TV viewing**: Switch to the previous TV channel regardless of the current mode.

❷ **DISC playback**: Select and play discs. When multiple discs are available, the titles of discs are conveniently displayed at the bottom of the screen.

❸ **VCR playback**: Control the connected VCR.

❹ **HDD Recordings playback**: Control recordings stored in HDD.

❺ **Audio Out to Home Theater speaker/Audio Out to TV**: Select Home Theater speaker or TV speaker for Audio Out.
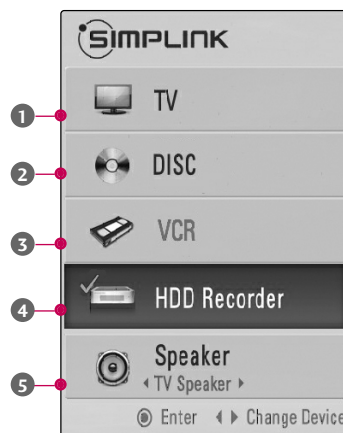
► When no device is connected (displayed in gray)

► Selected Device

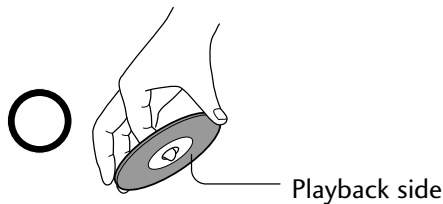► When a device is connected (displayed in bright color)

DVD OPERATION

NOTES ON DISCS

Symbol used in this manual

"⊘" may appear on the TV screen during operation. A "⊘" means that the operation is not permitted by the unit or is not available on the disc.

On handling discs

■ Do not touch the playback side of the disc.
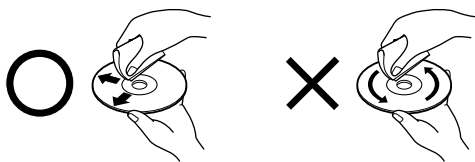
Playback side

■ Do not attach paper or tape to discs.

On cleaning discs

■ Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.

■ Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

On storing discs

■ Do not store discs in a place subject to direct sunlight or near heat sources.
■ Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
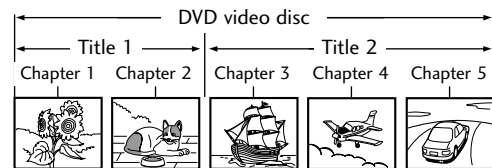■ Store discs vertically in a case. Stacking or placing

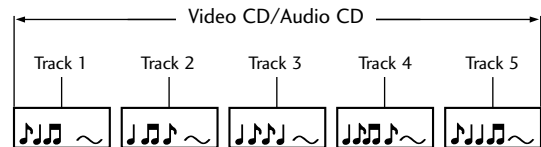objects on discs outside of their case may cause warping.
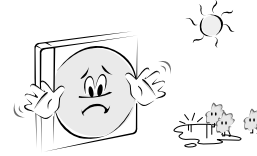
Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. Video CDs and Audio CDs are divided into tracks.

DVD video disc

Video CD/Audio CD

Each title, chapter or track is assigned a number, which is called "title number", "chapter number" or "track number" respectively.

There may be discs that do not have these numbers.

Title: When two or more movies are recorded on a disc, the disc is divided into two or more parts. Each part is called a "TITLE".

Chapter: The titles can be subdivided into many sections. Each section is called a "CHAPTER".

Track: An audio CD can contain several items. These are assigned to the tracks.

Note

• If an MP3 or JPG file CD is created using an incorrect method, the player may not be able to recognize it. If this happens, try reburning another CD after setting up the disc writing parameters correctly on your PC.

DVD OPERATION

Types of Playable Discs

■ DVD (8 cm / 12 cm disc)
■ Video CD (VCD) (8 cm / 12 cm disc)
■ Audio CD (8 cm / 12 cm disc)

In addition, this unit plays DVD -R, DVD +R, DVD -RW, DVD +RW, Kodak Picture CDs, SVCD, and CD-R / CD-RW that contains audio titles, MP3, and/or JPG files.

Note: Depending on the conditions of the recording equipment or the CD-R/RW (or DVD -R, DVD +R, DVD -RW, DVD +RW) disc itself, some CD-R/RW (or DVD -R, DVD +R, DVD -RW, DVD +RW) discs cannot be played on the unit.

Regional code of the DVD player and DVDs

This DVD player is designed and manufactured for playback of region "**1**" encoded DVD software. The region code on the labels of some DVD discs indicates which type of player can play those discs. This unit can play only DVD discs labeled "**1**" or "**ALL**". If you try to play any other discs, the message "**Wrong Region**" will appear on the TV screen. Some DVD discs may not have a region code label even though their playback is prohibited by area limits.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
CLASSE 1 PRODUIT LASER

CAUTION:
This Digital Video Disc Player employs a Laser System.

To ensure proper use of this product, please read this owner's manual carefully and retain for future reference should the unit require maintenance, contact an authorized service location (see service procedure).

Use of controls, adjustments, or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

CAUTION: The apparatus should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.

Last Scene Memory

This player memorizes last scene from the last disc that is viewed. The last scene remains in memory even if you change the input source.

Note: This player does not memorize the scene of a disc if you remove the disc from the player or turn off the TV.

DVD OPERATION

SELECTING LANGUAGE

Selecting Audio Language

Select your preferred audio language. If an audio language is selected, the selected audio language is played whenever you start a new disc playback. (The disc must contain the selected language)

You can also select another available audio language during playback with the **AUDIO** button on the remote control during playback.
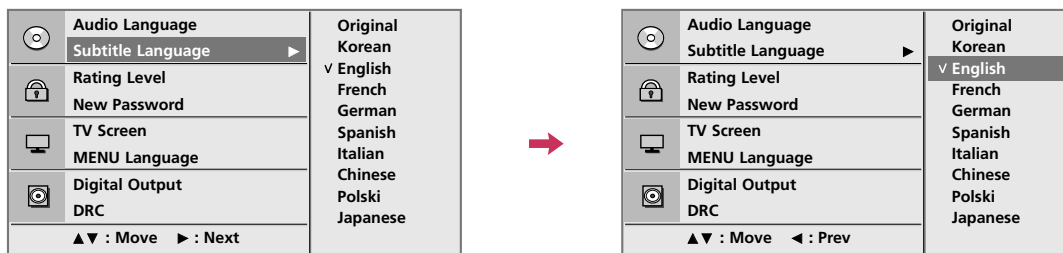
	Audio Language ▶	Original
⊙	Subtitle Language	Korean
	Rating Level	∨ English
🔒	New Password	French
		German
🖵	TV Screen	Spanish
	MENU Language	Italian
		Chinese
◎	Digital Output	Polski
	DRC	Japanese
	▲▼ : Move ▶ : Next	

➡

	Audio Language ▶	Original
⊙	Subtitle Language	Korean
	Rating Level	∨ English
🔒	New Password	French
		German
🖵	TV Screen	Spanish
	MENU Language	Italian
		Chinese
◎	Digital Output	Polski
	DRC	Japanese
	▲▼ : Move ◀ : Prev	

1 MENU/SET UP — Select **Audio Language**.

2 — Select desired language.

3 MENU/SET UP — Return to normal playback.

DVD OPERATION

Selecting Subtitle Language

Select your preferred subtitle language. If a subtitle language is selected, the selected subtitle language is played whenever you start a new disc playback. (The disc must contain the selected language)
You can also select another available subtitle language with the **SUBTITLE** button on the remote control during playback.

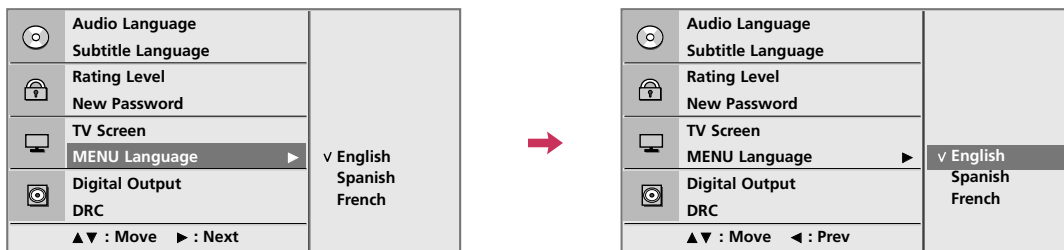|		
⊙	**Audio Language**	**Original**
	Subtitle Language ▶	**Korean**
🔒	**Rating Level**	√ **English**
	New Password	**French**
		German
🖵	**TV Screen**	**Spanish**
	MENU Language	**Italian**
		Chinese
◎	**Digital Output**	**Polski**
	DRC	**Japanese**
	▲▼ : Move ▶ : Next	

➡

⊙	**Audio Language**	**Original**
	Subtitle Language ▶	**Korean**
🔒	**Rating Level**	√ **English**
	New Password	**French**
		German
🖵	**TV Screen**	**Spanish**
	MENU Language	**Italian**
		Chinese
◎	**Digital Output**	**Polski**
	DRC	**Japanese**
	▲▼ : Move ◀ : Prev	

1 [MENU/SET UP] [⋀⋁]   Select **Subtitle Language**.

2 [>] [⋀⋁]   Select desired language.

3 [MENU/SET UP]   Return to normal playback.

Selecting Disc OSD Language

The OSD (on screen display) can be shown on the screen in your specified language.

⊙	**Audio Language**	
	Subtitle Language	
🔒	**Rating Level**	
	New Password	
🖥	**TV Screen**	
	MENU Language ▶	∨ **English**
⊚	**Digital Output**	Spanish
	DRC	French
	▲▼ : Move ▶ : Next	

→

⊙	**Audio Language**	
	Subtitle Language	
🔒	**Rating Level**	
	New Password	
🖥	**TV Screen**	
	MENU Language ▶	∨ **English**
⊚	**Digital Output**	Spanish
	DRC	French
	▲▼ : Move ◀ : Prev	

1 MENU/ SET UP ⌄⌃ Select **MENU Language**.

2 ⟩ ⌄⌃ Select desired language.
The menus and on screen displays will appear in the selected language.

3 MENU/ SET UP Return to normal playback.