



## LCD TV OWNER'S MANUAL

32LH250H  
37LH250H  
42LH250H  
32LH255H  
37LH255H  
42LH255H

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:**

An extended owner's manual that contains information on the advanced features of this LG TV is located on the CD-ROM provided in an electronic version.

To read these files, you will need to use personal computer (PC) equipped with a CD-ROM drive.



This product qualifies for ENERGY STAR in the "factory default" 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 qualify for Energy Star rating.

|                                |                      |
|--------------------------------|----------------------|
| <b>1-800-243-0000</b>          | USA, Consumer User   |
| <b>1-888-865-3026</b>          | USA, Commercial User |
| <b>1-888-542-2623</b>          | CANADA               |
| LG Customer Information Center |                      |

**P/NO : MFL62194603 (0908-REV02)**  
Printed in Korea

## 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.

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.**

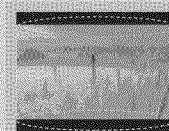
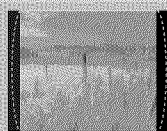
### CAUTION

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.



## 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.



# SAFETY INSTRUCTIONS

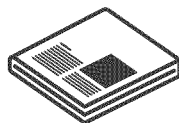
## IMPORTANT SAFETY INSTRUCTIONS

Read these instructions.

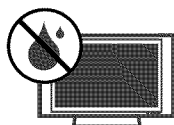
Keep these instructions.

Heed all warnings.

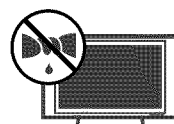
Follow all instructions.



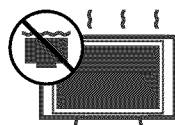
- 1** Do not use this apparatus near water.



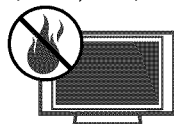
- 2** Clean only with dry cloth.



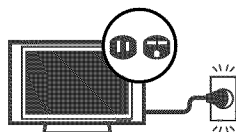
- 3** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.



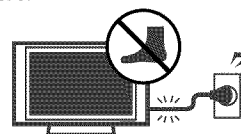
- 4** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



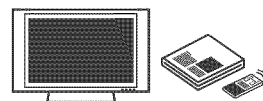
- 5** Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



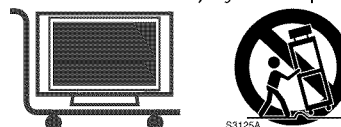
- 6** Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



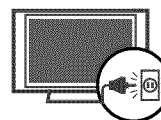
- 7** Only use attachments/accessories specified by the manufacturer.



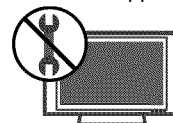
- 8** Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 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 lightning storm.

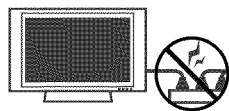
- 12** When mounting a TV on the wall, make sure not to install the TV by the hanging power and signal cables on the back of the TV.

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

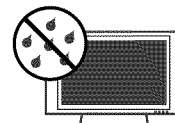
- 14** **CAUTION concerning the Power Cord :**  
It is recommend that appliances be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do 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.

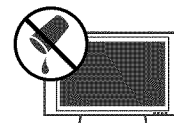
Do not make the TV with the power cord plugged in. Do not use a damaged or loose power cord. Be sure do grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the TV.



- 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.



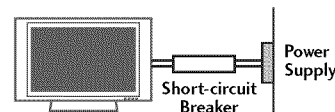
- 16** Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g. on shelves above the unit).



### **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.



### **18** DISCONNECTING DEVICE FROM MAINS

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



## 19 ANTENNAS

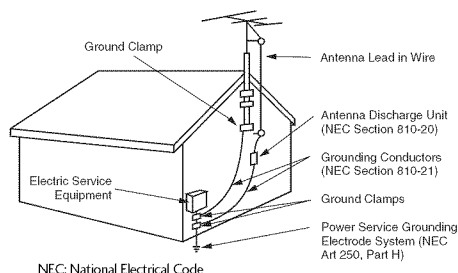
### Outdoor antenna grounding

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



## 20 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.

## 21 Moving

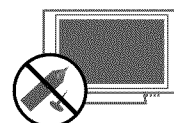
Make sure the product is turned off, unplugged and all cables have been removed. It may take 2 or more people to carry larger TVs. Do not press against or put stress on the front panel of the TV.

## 22 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.

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

## 24 Do not press strongly upon the panel with a hand or sharp object such as nail, pencil or pen, or make a scratch on it.



## 25 Keep the product away from direct sunlight.

## 26 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.

### 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

|                                |   |
|--------------------------------|---|
| <b>WARNING / CAUTION</b> ..... | 2 |
|--------------------------------|---|

|                                  |   |
|----------------------------------|---|
| <b>SAFETY INSTRUCTIONS</b> ..... | 3 |
|----------------------------------|---|

## PREPARATION

|  |    |
|--|----|
| Contents .....   | 6  |
| Accessories .....  | 7  |
| Front Panel Information .....  | 8  |
| Swivel Stand .....   | 8  |
| Back Panel Information .....   | 9  |
| Stand Instruction .....  | 11 |
| Remote Control Functions .....   | 12 |
| Securing the TV to the wall to prevent falling<br>When the TV is used on a stand ..... | 14 |
| Cable Management .....   | 15 |
| Desktop Pedestal Installation .....  | 16 |
| Attaching the TV to a Desk .....   | 16 |
| VESA Wall Mounting .....   | 17 |
| Antenna or Cable Connection .....  | 18 |

## EXTERNAL EQUIPMENT SETUP

|                         |    |
|-------------------------|----|
| HD Receiver Setup ..... | 19 |
|-------------------------|----|

|                 |    |
|-----------------|----|
| DVD Setup ..... | 20 |
|-----------------|----|

|                 |    |
|-----------------|----|
| VCR Setup ..... | 21 |
|-----------------|----|

|                |    |
|----------------|----|
| PC Setup ..... | 22 |
|----------------|----|

## WATCHING TV

|                                 |    |
|---------------------------------|----|
| Turning On TV .....             | 24 |
| Channel Selection .....         | 24 |
| Volume Adjustment .....         | 24 |
| Channel Setup .....             | 25 |
| On-Screen Menus Selection ..... | 26 |

## USB

|                   |    |
|-------------------|----|
| Entry Modes ..... | 29 |
| Photo List .....  | 30 |
| Music List .....  | 34 |

## APPENDIX

|                                   |    |
|-----------------------------------|----|
| Troubleshooting .....             | 37 |
| Maintenance .....                 | 38 |
| Product Specifications .....      | 39 |
| Open Source Software Notice ..... | 39 |

## HOW TO USE THE OWNER'S MANUAL ON THE CD-ROM

To view the Owner's Manual on the CD-ROM, Adobe Acrobat Reader must be installed on your PC.

The "ACRORD" folder on the CD-ROM contains the installation programs for them.

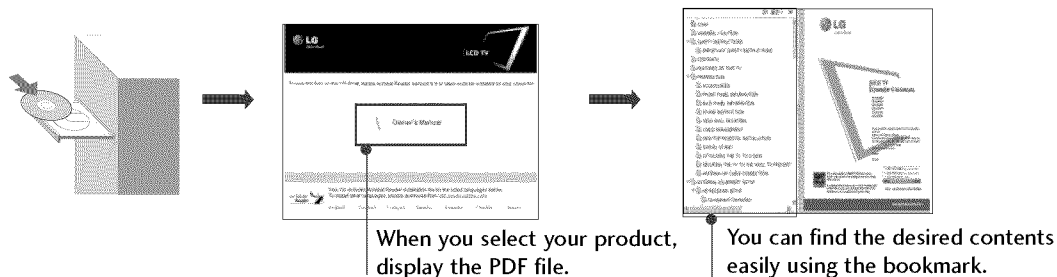
If you want to install those programs, Open the "My Computer" → Open the "LG" → Open the "ACRORD" → double-click your language.

## TO VIEW THE OWNER'S MANUAL ON THE CD-ROM

The Owner's Manual files are included in the supplied CD-ROM.

Load the supplied CD-ROM into the CD-ROM drive of your PC.

After a while, the web page of the CD-ROM will open automatically. (for Window only)



### NOTE

- If the web page does not appear automatically, open the Owner's Manual file directly.  
Open the "My computer" → Open the "LG" → Open the "index.htm" file.

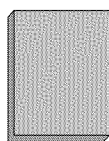
# PREPERATION

## ACCESSORIES

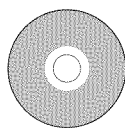
Ensure that the following accessories are included with your product. If an accessory is missing, please contact the dealer where you purchased the product.

For further information, see the the Owner's Manual files supplied CD-ROM.

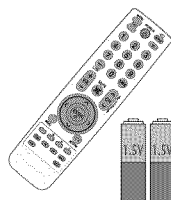
The accssories can be different from the figures shown here.



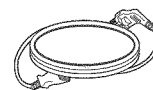
Owner's Manual



CD Manual



Remote Control,  
Batteries



Power Cord

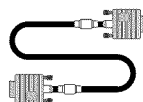
### Not included with all models



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.



Bolts for stand assembly



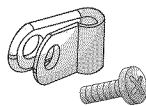
Torx plus  
Star head screw



Screw for stand fixing



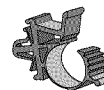
Protection Cover



Protective Bracket and Bolt for  
Power Cord  
(This feature is not available for all models.)



Cable Holder



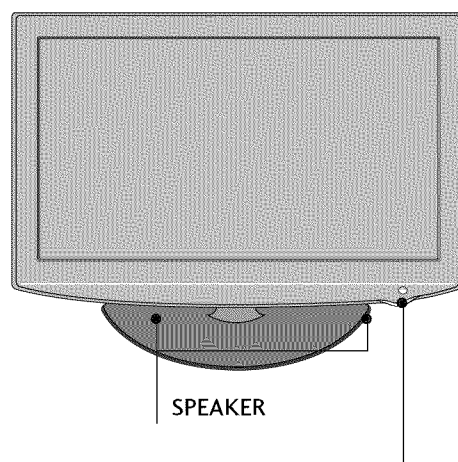
Plug in type  
holder

## PREPARATION

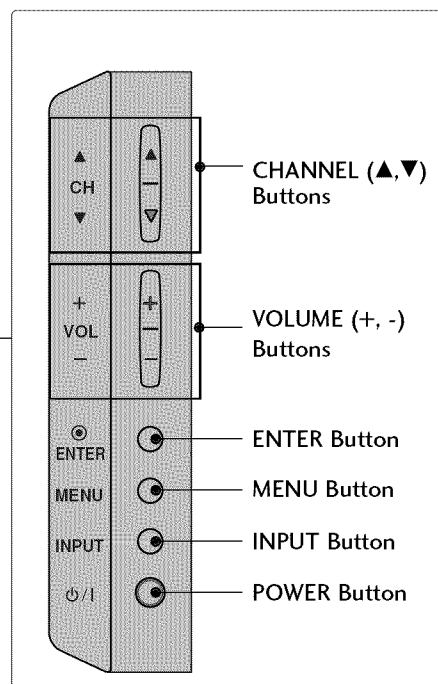
### FRONT PANEL INFORMATION

■ Image shown may differ from your TV.

PREPARATION

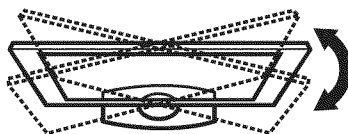


Remote Control Sensor,  
Power/Standby Indicator  
Illuminates red in standby mode.  
Illuminates blue when the TV is switched on.



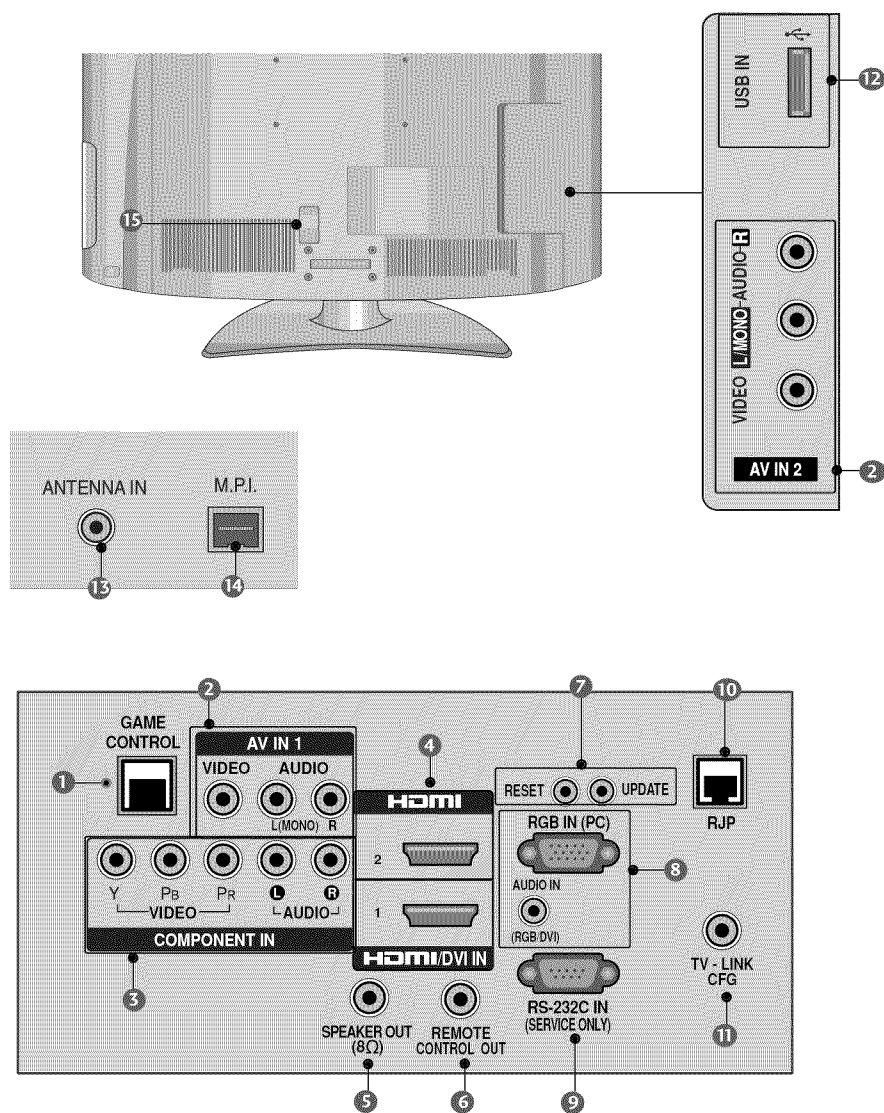
### SWIVEL STAND

After installing the TV, you can adjust the TV set manually to the left or right direction by 90 degrees to suit your viewing position.



## BACK PANEL INFORMATION

■ Image shown may differ from your TV.



# PREPARATION

## PREPARATION

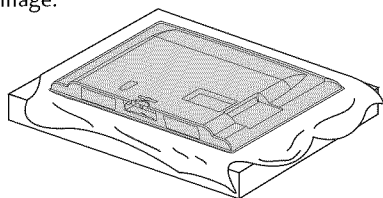
- ➊ **GAME CONTROL**  
Control port
- ➋ **AV (Audio/Video) IN**  
Analog composite connection. Supports standard definition video only (480i).  
Used for PC/DTV audio input jack.
- ➌ **COMPONENT IN**  
Analog Connection.  
Supports HD.  
Uses a red, green, and blue cable for video & a red and white cable for audio.
- ➍ **HDMI/DVI IN**  
Digital Connection. Supports HD video and Digital audio.  
Accepts DVI video using an adapter or HDMI to DVI cable (not included)
- ➎ **SPEAKER OUT 8Ω**  
Connect to external speaker input.
- ➏ **REMOTE CONTROL OUT**  
IR output for controlling an auxiliary device.
- ➐ **UPDATE**  
Enables/disables software downloads and debug mode.  
**RESET**  
Performs a hardware reset.
- ➑ **RGB IN (PC)**  
Analog PC Connection. Uses a D-sub 15 pin cable (VGA cable).  
**AUDIO IN (RGB/DVI)**  
1/8" headphone jack for analog PC audio input.
- ➒ **RS-232C IN (SERVICE ONLY)**  
Used for software updates.
- ➓ **RJP (REMOTE JACK PACK PORT)**  
Connect to remote jack pack control output port.
- ➔ **TV - LINK CFG**  
Used for FTG Configuration
- ➕ **USB IN**  
Used for viewing photos and listening to MP3s.
- ➖ **ANTENNA IN**  
Connect over-the air signals to this jack.
- ➗ **M.P. I.**  
Control port.
- ➘ **Power Cord Socket**  
For operation with AC power.  
Caution: Never attempt to operate the TV on DC power.

## STAND INSTRUCTION

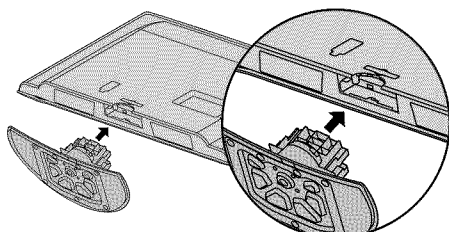
■ Image shown may differ from your TV.

### INSTALLATION

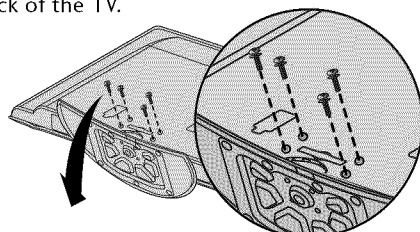
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



- 2 Assemble the TV as shown.



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



x 4

Tighten the stand with the four screws (provided as parts of the TV).

or



x 2



x 2

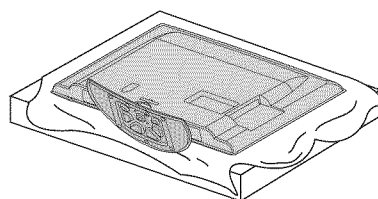
Tighten the two of these four screws and the two Torx plus star head screws (provided as parts of the TV) to secure the TV. Tighten the two Torx plus star head screws with a star head driver bit (not provided as parts of the TV).

### NOTE

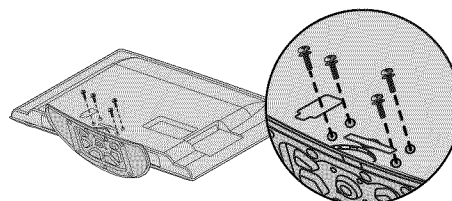
- ▶ When assembling the desk type stand, make sure the bolt is fully tightened (If not tightened fully, the TV can tilt forward after the product installation). Do not over tighten.

### DETACHMENT

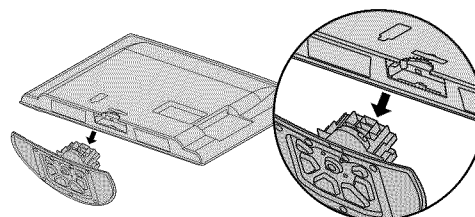
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



- 2 Loose the bolts from TV.

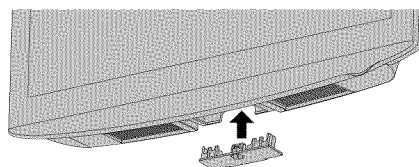


- 3 Detach the stand from TV.



### 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.



## PREPARATION

### REMOTE CONTROL FUNCTIONS

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

PREPARATION

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

**MARK** Use to mark or unmark a photo/music.

**RATIO** Change the aspect ratio.

**INPUT** Rotates through inputs.  
Also switches the TV on from standby.

**CC** Select a closed caption.

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

**MENU** Displays the main menu or clears all on-screen displays and return to TV viewing.

**RETURN** Allows the user to move return one step in an interactive application or other user interaction function.

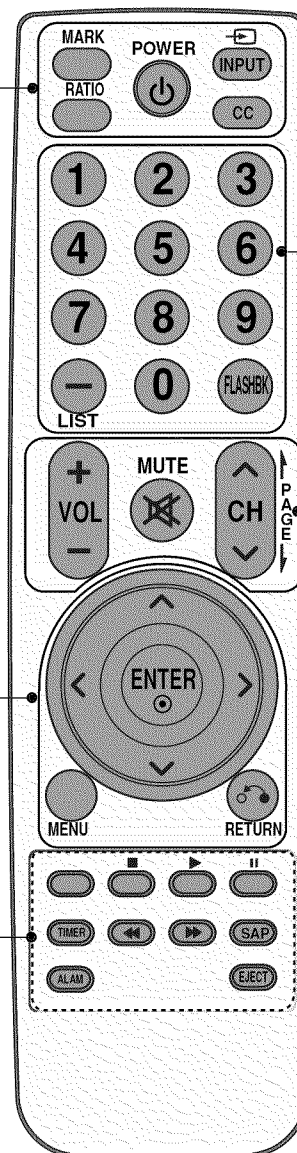
**VCR/DVD control buttons** Control video cassette recorders or DVD players.

**TIMER** Select the amount of time before your TV turns off automatically.

**ALAM** Set the time that the TV will automatically turn itself on.

**SAP** Analog mode: Selects MTS sound (Mono, Stereo, or a SAP)  
DTV mode: Changes the audio language.

**EJECT** Eject the USB device.





**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.

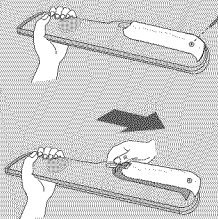
FLASHBK Tunes to the last channel viewed.

**VOLUME UP  
/DOWN** Increase/decrease the sound level.

MUTE Switch the sound on or off.

**CHANNEL  
UP/DOWN** Select available channels.

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

**Installing Batteries**

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

## PREPARATION

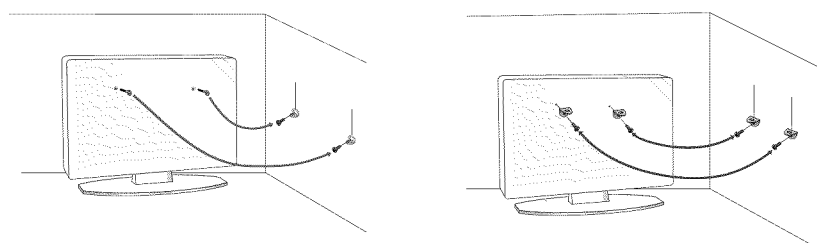
### SECURING THE TV TO THE WALL TO PREVENT FALLING WHEN THE TV IS USED ON A STAND

- 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.

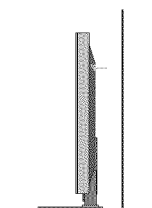
We recommend that you set up the TV close to a wall so it cannot fall over if pushed backwards.

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.

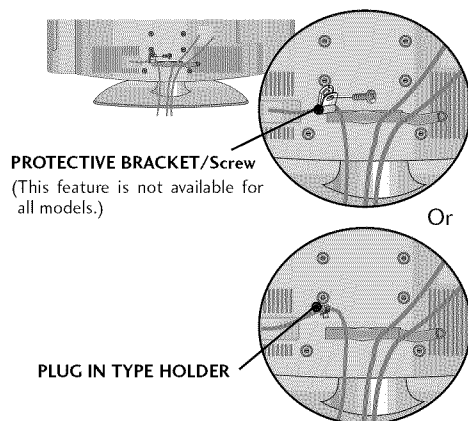
#### ! NOTE

- ▶ 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.

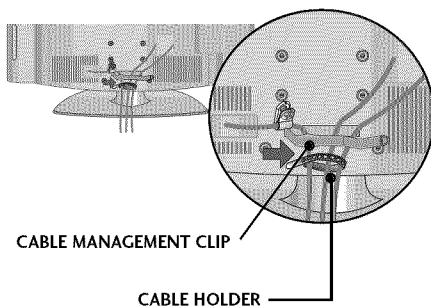
## CABLE MANAGEMENT

■ Image shown may differ from your TV.

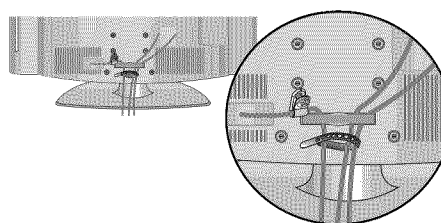
- 1 Connect the cables as necessary.  
To connect additional equipment, see the **EXTERNAL EQUIPMENT SETUP** section. Secure the power cable with the **PROTECTIVE BRACKET/Screw** or the **Plug in type Holder**. It will help prevent the power cable from being removed by accident.



- 2 Install the **CABLE MANAGEMENT CLIP** as shown.  
If your TV has the **CABLE HOLDER**, install it as shown and bundle the cables.



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



### NOTE

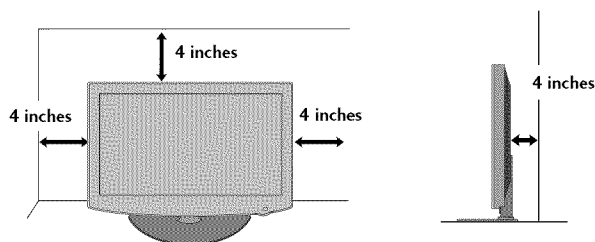
- Do not hold the **CABLE MANAGEMENT CLIP** when moving the TV.  
- If the TV is dropped, you may be injured or the product may be broken.
- With some TVs, the **PLUG IN TYPE HOLDER** and the **CABLE HOLDER** are included. If these holders are inserted into the hole provided on back of the TV, they cannot be removed.

## PREPARATION

### 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.

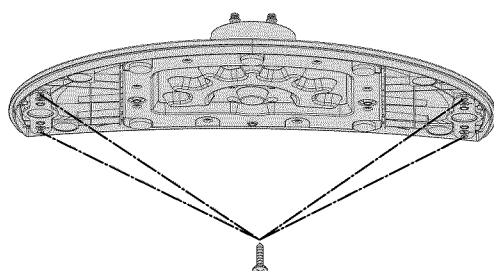


#### CAUTION

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

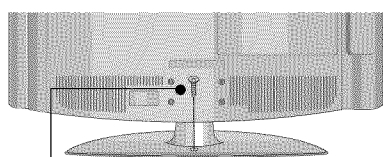
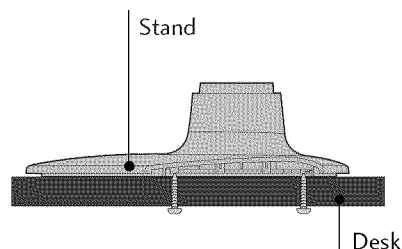
### ATTACHING THE TV TO A DESK

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

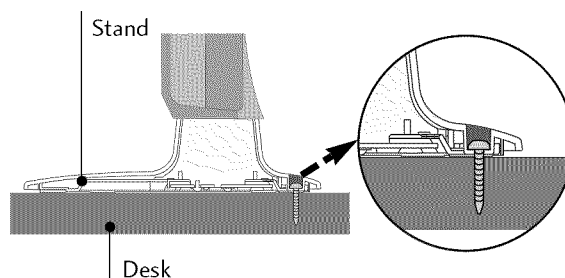


4-Screws(not provided as parts of the product)

- ▶ Screw: M5 x L (\*L: Table depth + 8~10 mm)
- ex) Table depth: 15mm, Screw: M5 x 25



1-Screw  
(provided as parts of the product)



#### 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.


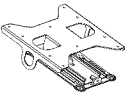
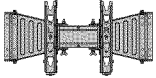
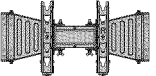
## VESA WALL MOUNTING

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest 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)<br> | Standard Screw | Quantity | Wall Mounting Bracket<br>(sold separately)   |
|--|---|----------------|----------|--|
| 32LH250H,<br>32LH255H                          | 200 * 100   | M4             | 4        |  RW230<br> AW-47LG30M |
| 37LH250H,<br>37LH255H<br>42LH250H,<br>42LH255H | 200 * 200   | M6             | 4        |  AW-47LG30M   |

### 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 than 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.

## PREPARATION

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

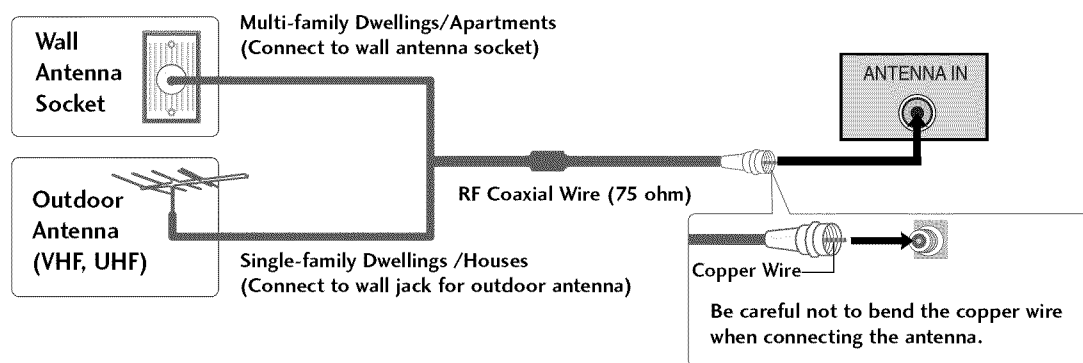
## ANTENNA OR CABLE CONNECTION

PREPARATION

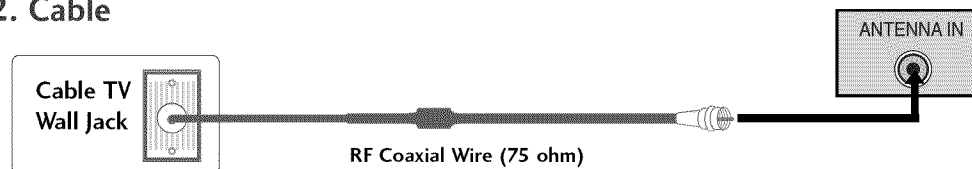
### 1. Antenna (Analog or Digital)

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

For optimum picture quality, adjust the direction if needed.



### 2. Cable



- 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.

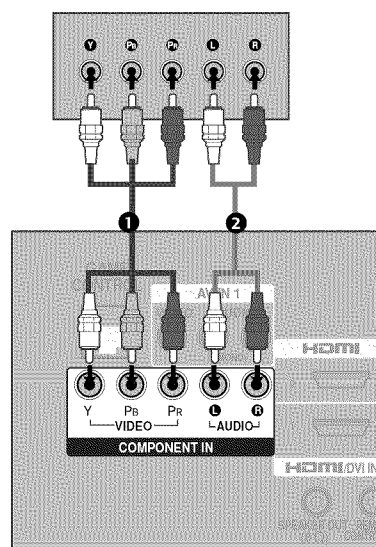
## HD RECEIVER SETUP

+This 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.)
- Select **Component** input source 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                     | 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 | 67.43                     | 59.94                  |
|            | 67.50                     | 60.00                  |
|            | 27.00                     | 24.00                  |
|            | 26.97                     | 23.976                 |
|            | 33.75                     | 30.00                  |
|            | 33.71                     | 29.97                  |

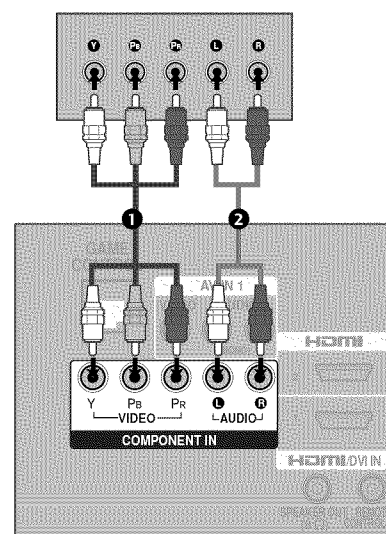
# EXTERNAL EQUIPMENT SETUP

## DVD SETUP

### Component Connection

#### 1. How to connect

- 1 Connect the video outputs (Y, Pb, Pr) of the DVD to the **COMPONENT IN VIDEO** 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 **COMPONENT IN AUDIO** jacks on the TV.



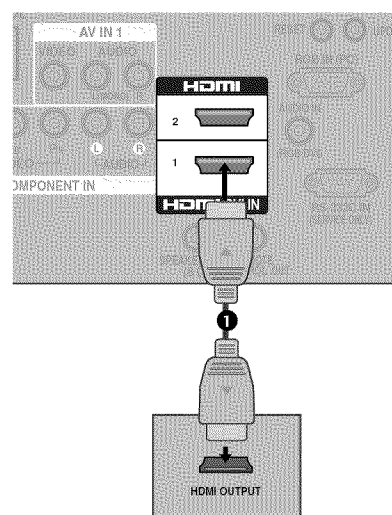
#### 2. How to use

- Turn on the DVD player, insert a DVD.
- Select the **Component** 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** or **HDMI 2** jack on the TV.
- 2 No separate audio connection is necessary.  
HDMI supports both audio and video.



#### 2. How to use

- Select the **HDMI1** or **HDMI2** 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

### Composite (RCA) Connection

#### 1. How to connect

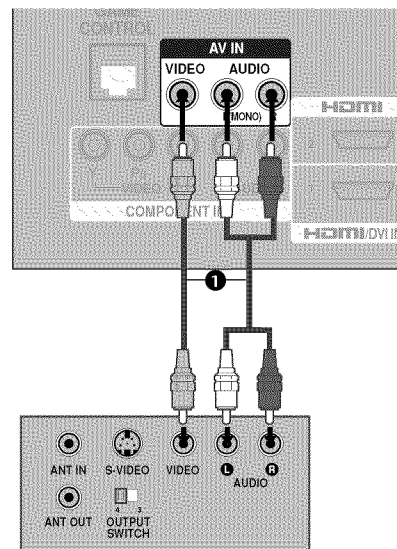
- 1 Connect the **AUDIO/VIDEO** jacks between TV and VCR. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)

#### 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 IN 2**, 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.



# EXTERNAL EQUIPMENT SETUP

## PC SETUP

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

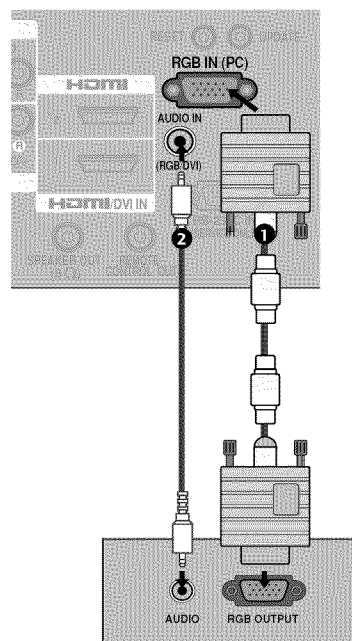
### VGA (D-Sub 15 pin) Connection

#### 1. How to connect

- 1 Connect the VGA output of the PC to the **RGB IN(PC)** jack on the TV.
- 2 Connect the PC audio output to the **AUDIO IN(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.



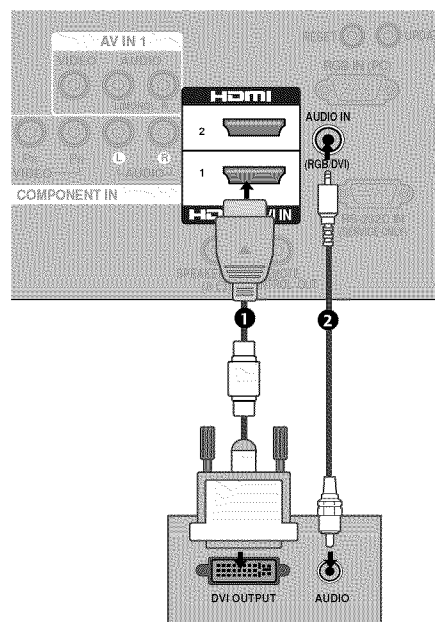
## DVI to HDMI Connection

### 1. How to connect

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

### 2. How to use

- Turn on the PC and the TV.
- Select the **HDMI1** input source on the TV using the **INPUT** button on the remote control.



EXTERNAL EQUIPMENT SETUP

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


| Resolution | Horizontal Frequency(KHz) | Vertical Frequency(Hz) |
|------------|---------------------------|------------------------|
| 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                 |

### NOTES

- ▶ To get the best picture quality, adjust the PC graphics card to 1360x768, 60Hz.
- ▶ 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. When you use too long RGB-PC cable, there might be a noise on the screen.
- ▶ Avoid keeping a fixed image on the screen for a long period of time. The fixed image could 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.

# WATCHING TV

## 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  button on the TV or press the **POWER** button on the remote control.
- 2 Select the viewing source by using the **INPUT** button on the remote control.
- 3 When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

### NOTE





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

## 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.

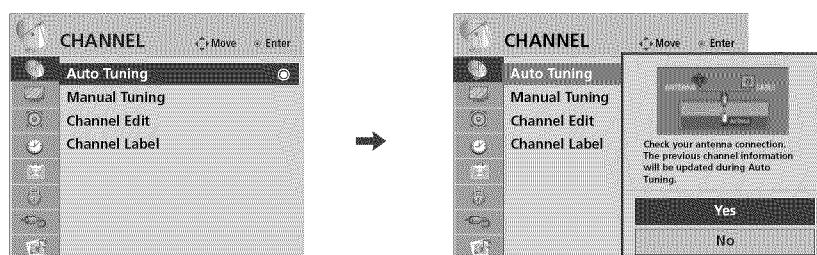
- 1 Press the **VOL** ( or ) button to adjust the volume.
- 2 If you want to switch the sound off, press the **MUTE** button.
- 3 You can cancel the Mute function by pressing the **MUTE** or **VOL** ( or ) button.

## 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.



WATCHING TV

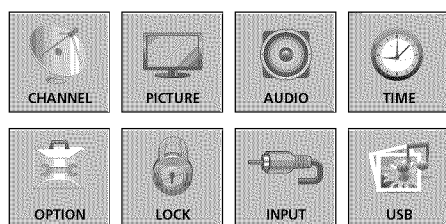
- 1   Select **CHANNEL**.
- 2   Select **Auto Tuning**.
- 3   Select **Yes**.
- 4  Run **Auto tuning**.
- 5  Return to the previous menu.
-  Return to TV viewing.

- 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.
- When setting the Auto tuning or Manual tuning, the number of maximum channel you can store is 740.  
It is subject to change depending on the broadcasting signal environment.
- Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list.

# WATCHING TV

## ON-SCREEN MENUS SELECTION

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



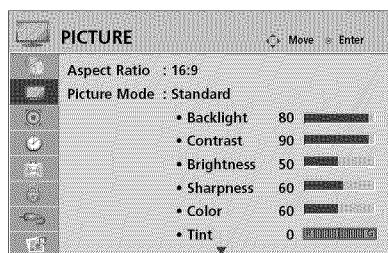
- 1 Display each menu.
- 2 Select a menu item.
- 3 Enter to the pop up menu.
- 4 Return to TV viewing.

### CHANNEL



|               |   |
|---------------|---|
| Auto Tuning   | ■ All available TV channels are searched and stored automatically.                              |
| Manual Tuning | ■ User can do manual channel selection and add or delete individual channels.                   |
| Channel Edit  | ■ You can add or delete in the channel list.  |
| Channel Label | ■ The TV displays a short name for a channel even if you didn't preset a label for the channel. |

### PICTURE



|                 |   |
|-----------------|---|
| Aspect Ratio    | ■ Select the desired picture format: Set by program, 4:3, 16:9, Zoom, Just Scan.  |
| Picture Mode    | <ul style="list-style-type: none"> <li>■ Select the Vivid, Standard, Natural, Cinema, Sport, Game.</li> <li>■ Adjust the Backlight, Contrast, Brightness, Sharpness, Color, Tint.</li> <li>■ Advanced Control: Adjust the Color Temperature, Dynamic Contrast, Dynamic Color, Noise Reduction, Gamma, Black Level, Eye Care, Real Cinema, Color Gamut, Edge Enhancer, or xvYcc.</li> <li>■ Picture Reset: Settings of the selected picture modes return to the default factory settings.</li> </ul> |
| Screen (RGB-PC) | ■ Adjust the screen Resolution, Auto config, Position, Size, Phase, Reset.  |

## AUDIO



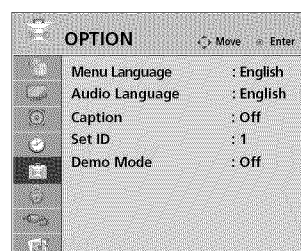
|                |   |
|----------------|---|
| Auto Volume    | ■ Auto Volume makes sure that the volume level remains consistent whether you are watching a commercial or a regular TV program.  |
| Clear Voice II | ■ By differentiating the human sound range from others, it improves the sound quality of voices.  |
| Balance        | ■ Adjust the left/right sound of speaker.   |
| Sound Mode     | <ul style="list-style-type: none"> <li>■ Select the Standard, Music, Cinema, Sport, and Game.</li> <li>■ SRS TruSurround XT: Takes advantage of any multi-channel format without needing to add extra speakers or equipment.</li> <li>■ Treble, Bass: Adjust the sound to suit your taste and room situations.</li> <li>■ Reset: Settings of the selected Sound Mode return to the default factory settings.</li> </ul> |
| TV Speaker     | ■ Turn the TV speaker On or off.  |

## TIME



|             |   |
|-------------|---|
| Clock       | <ul style="list-style-type: none"> <li>■ Auto: The time is set automatically from a digital channel signal.<br/>Select your viewing area time zone.<br/>Select Auto, Off, On depending on whether or not your viewing area observes Daylight Saving time.</li> <li>■ Manual: Set the clock manually.</li> </ul> |
| Off Time    | ■ Use this feature to turn on/off TV at a scheduled time.   |
| On Time     |   |
| Sleep Timer | ■ Select the amount of time before your TV turns off automatically: Off, 10, 20, 30, 60, 90, 120, 180, 240.   |

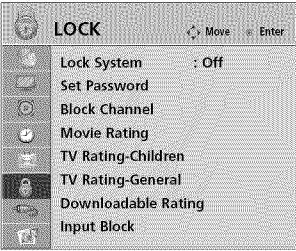
## OPTION



|                |   |
|----------------|---|
| Menu Language  | ■ Select your desired language for on screen menus  |
| Audio Language | ■ Select your desired language for on screen menus : English, Spanish, French.  |
| Caption        | <ul style="list-style-type: none"> <li>■ Analog: CC1 ~ CC4 , Text1 ~ Text4.</li> <li>■ Digital: CC1 ~ CC4 , Text1 ~ Text4, Service1 ~ Service6</li> <li>■ Digital Option: Customize the DTV/CADTV captions that appear on your screen.</li> </ul> |
| Set ID         | ■ Choose the desired TV ID number.  |
| Demo Mode      | ■ Displays a slide show to explain the various feature of this TV.  |

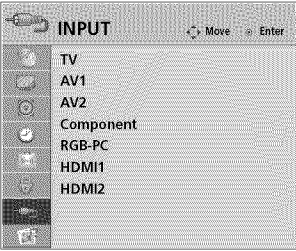
# WATCHING TV

## LOCK



|                     |   |
|---------------------|---|
| Lock System         | ■ Select On or Off.   |
| Set Password        | ■ Change the password.  |
| Block Channel       | ■ Select a channel number that you wish to block.   |
| Movie Rating        | ■ Blocks movies according to the movie ratings limits specified.  |
| TV Rating-Children  | ■ Prevents children from watching certain children's TV programs, according to the ratings limit set.     |
| TV Rating-General   | ■ Based on the ratings, blocks certain TV programs that you and your family do not want to view.          |
| Downloadable Rating | ■ This function may become available in the future and will be available only for digital channel signal. |
| Input Block         | ■ Enables you to select a source to block from the external source devices you have hooked up.            |

## INPUT



|       |  |
|-------|--|
| Input | ■ Select desired input sources.<br>■ Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual. |
|-------|--|

## USB



|     |                                 |
|-----|---------------------------------|
| USB | ■ Use Photo List or Music List. |
|-----|---------------------------------|



# USB

■ Image shown may differ from your TV.

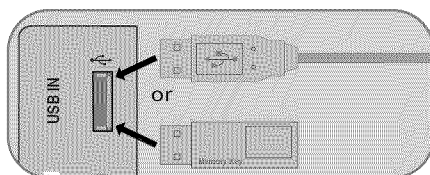
## ENTRY MODES

When you connect a USB device, this pop up menu is displayed automatically.

When the Pop Up menu does not appear, you can select Photo List or Music List in the USB menu.

On a USB device, you can not add a new folder or delete an existing folder.

- 1 Connect the USB device to the **USB IN** jacks on the side of TV.



■ This TV Supports on JPG and MP3.

- 2 Select **PHOTO LIST** or **MUSIC LIST**.



### When removing the USB device

Press the **EJECT** button before removing the USB device.

USB

### Precautions when using the USB device

- ▶ Only a USB storage device is recognizable.
- ▶ If the USB storage device is connected through a USB hub, the device is not recognizable.
- ▶ A USB storage device using an automatic recognition program may not be recognized.
- ▶ A USB storage device which uses its own driver may not be recognized.
- ▶ The recognition speed of a USB storage device may depend on each device.
- ▶ In case of a card reader, up to four memory cards are concurrently recognizable.
- ▶ Please do not turn off the TV or unplug the USB device when the connected USB storage device is working. When such device is suddenly separated or unplugged, the stored files or the USB storage device may be damaged.
- ▶ Only use a USB storage device which has normal music, image or movie files.
- ▶ Please connect power to a USB storage device (over 0.5A) which requires an external power supply. If not, the device may not be recognized.
- ▶ Please connect a USB storage device with cable is offered by USB maker. If connected with cable is not offered by USB maker or an excessively long cable, the device may not be recognized.
- ▶ Some USB storage devices may not be supported or operate properly.
- ▶ File alignment method of USB storage device is similar to Window XP and file name can recognize up to 100 English characters.
- ▶ Please backup important files because data on the USB device may be damaged. Data management is the consumer's responsibility and as a result, the manufacturer does not cover data damage.
- ▶ Please use only a USB storage device which was formatted as a FAT32, NTFS file system provided with the Windows operating system. In case of a storage device formatted as a different utility program which is not supported by Windows, it may not be recognized.
- ▶ Data in a USB storage device cannot be deleted in the NTFS file system.
- ▶ If your USB memory device has multiple partitions, or if you use a USB multi-card reader, you can use up to 4 partitions or USB memory devices.
- ▶ The recommended capacity is 1TB or less for a USB external hard disk and 32GB or less for USB memory.
- ▶ Any device with more than the recommended capacity may not work properly.
- ▶ If a USB external hard disk with a "Energy Saving" function does not work, turn the hard disk off and on again to make it work properly. Refer to the user manual of the application USB external hard disk.
- ▶ When using a USB HDD via the USB extending cable, connect a support electric power source.

## USB

### PHOTO LIST

You can only view .JPG files from USB storage devices.  
The On-Screen Display on your model may be slightly different.


Supported photo file: \*.JPG

- You can play JPG files only.
- Only baseline scan is supported among JPG.
- Available JPG size: 64 pixel (width) x 64 pixel (height) - 15360 pixel (width) x 8640 pixel (height)

USB




### Screen Components

1



Select **USB**.

2

Select **Photo List**.

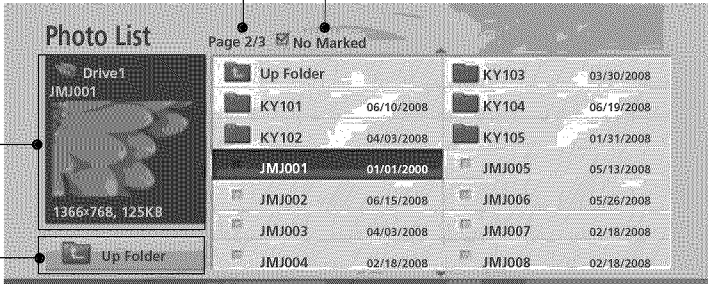
① Moves to upper level folder

② Preview: Display the thumbnail/folder name of the photo in the selected folder

③ Current page/Total pages

④ Total number of marked photos

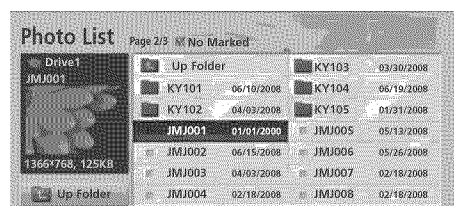
⑤ Corresponding buttons on the remote control



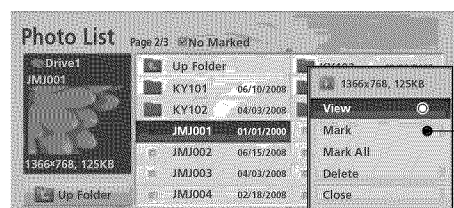
The screenshot shows the 'Photo List' interface. On the left, a preview of the selected folder 'Drive1 JMJ001' is shown with a thumbnail and file size '1366x768, 125KB'. Below it is an 'Up Folder' button. On the right, a table lists files and folders with their names and dates. At the bottom, a navigation bar contains buttons for 'Navigation', 'Popup Menu', 'CH', 'Page Change', 'MARK Mark', and 'Exit'.

| File/Folder | Date       | File/Folder | Date       |
|-------------|------------|-------------|------------|
| Up Folder   |            | KY103       | 03/30/2008 |
| KY101       | 06/10/2008 | KY104       | 06/19/2008 |
| KY102       | 04/03/2008 | KY105       | 01/31/2008 |
| JMJ001      | 01/01/2000 | JMJ005      | 05/13/2008 |
| JMJ002      | 06/15/2008 | JMJ006      | 05/26/2008 |
| JMJ003      | 04/03/2008 | JMJ007      | 02/18/2008 |
| JMJ004      | 02/18/2008 | JMJ008      | 02/18/2008 |

## Photo Selection and PopUp Menu









Navigation Popup Menu CH Page Change MARK Mark Exit





Navigation Popup Menu CH Page Change MARK Mark Exit

When you select a file (not folder), this PopUp menu is displayed.

- **View:** Display the selected item.
- **Mark:** Use to mark or unmark a photo.
- **Mark All:** Mark all photos on the screen.
- **Unmark All:** Deselect all marked photos.
- **Delete or Delete Marked:** Delete the selected photo item.
- **Close:** Close the pop-up menu.

- 1  Select the target folder or drive.
- 2   Select the desired photos.
- 3  Show the PopUp menu.
- 4   Select the desired PopUp menu.

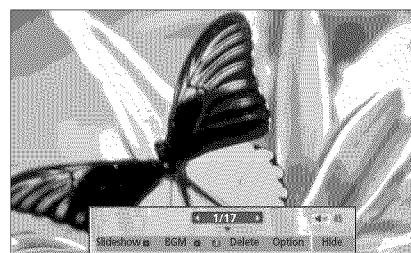
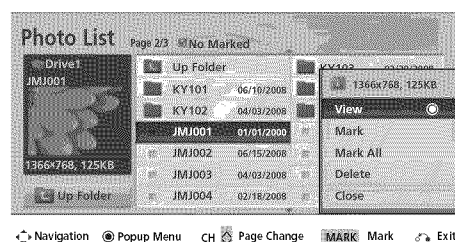
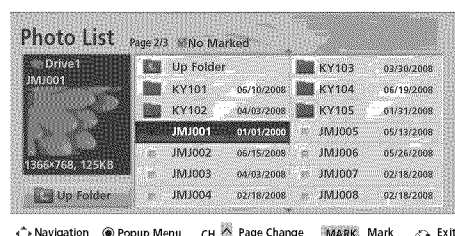
- Use the **CH**   button to navigate in the photo page.
- Use the **MARK** button to mark or unmark a photo. When one or more photos are marked, you can view individual photos or a slide show of the marked photos. If no photos are marked, you can view all photos individually or all photos in the folder in a slide show.

USB

# USB

## Full Screen Menu

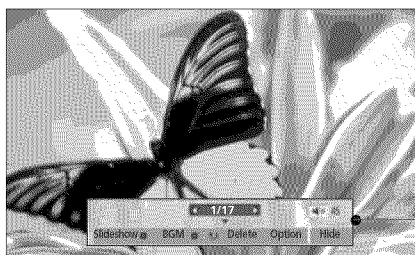
You can change the Photo List view so that it fills the screen. More operations are available in full screen mode.



The aspect ratio of a photo may change the size of the photo displayed on the screen in full size.  
Press the **RETURN** button to move to the previous menu screen.


- 1 Select the target folder or drive.
- 2 Select the desired photos.
- 3 Show the Popup menu.
- 4 Select **View**.
- 5 The selected photo is displayed in full size.

Use the **CH** button to navigate in the photo page.





6

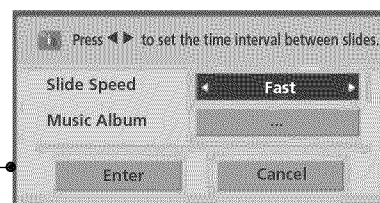


Select the **Slideshow**, **BGM**,  (**Rotate**), **Delete**, **Option**, or **Hide**.

- Use < > button to select the previous or next photo.
- Use ^ v < > button to select and control the menu on the full-sized screen.

USB

- ▶ **Slideshow**: Selected photos are displayed during the slide show. If no photo is selected, all photos in the current folder are displayed during slide show.
  - Set the time interval of the slide show in **Option**.
- ▶ **BGM**: Listen to music while viewing photos in full size.
  - Set the BGM device and album in **Option**.
- ▶  (**Rotate**): Rotate photos.
  - Rotates the photo 90°, 180°, 270°, 360° clockwise.
- ▶ **Delete**: Delete photos.
- ▶ **Option**: Set values for **Slide Speed** and **Music Album**.
  - Use ^ v < > button and **ENTER** button to set values. Then go to  and press **ENTER** to save the settings.
  - You cannot change **Music Album** while BGM is playing.
- ▶ **Hide**: Hide the menu on the full-sized screen.
  - To see the menu again on the full-sized screen, press **ENTER** button to display.



## USB

### MUSIC LIST

You can use the Music List menu to play MP3 files from a USB storage device.

This TV cannot play back copy-protected files.

The On-Screen Display on your model may be slightly different.

#### Supported music file: \*.MP3

Bit rate range 32 Kbps - 320 Kbps

#### • Sampling rate (Sampling Frequency)

MPEG1 layer 3: 32 kHz, 44.1 kHz, 48 kHz


MPEG2 layer 3: 16 kHz, 22.05 kHz, 24 kHz

MPEG2.5 layer 3: 8 kHz, 11.025 kHz, 12 kHz

USB


### Screen Components

**1**



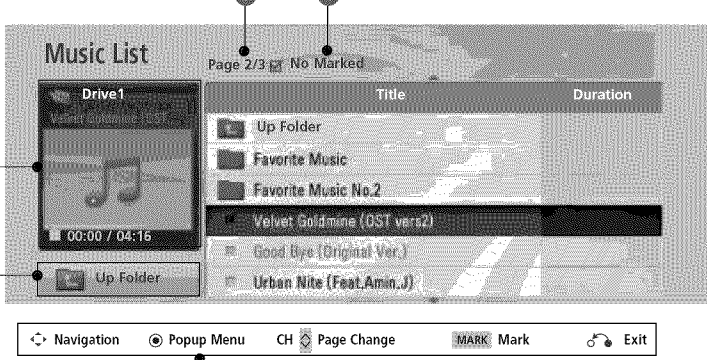
Select **USB**.

**2**

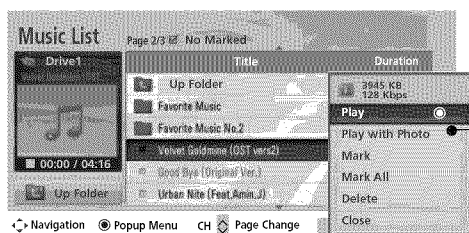
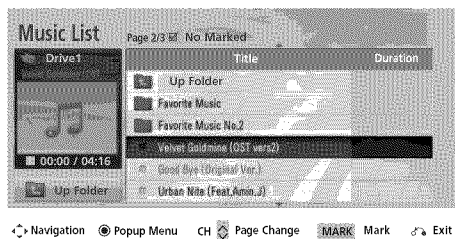


Select **Music List**.

**1** Moves to upper level folder  
**2** Preview: If any album jacket for the file exists, this jacket is displayed.  
**3** Current page/Total pages  
**4** Total number of marked musics  
**5** Corresponding buttons on the remote control



## Music Selection and Popup Menu



### ► Play (During stop): Play the selected file.

Once a song finishes playing, the next selected one will be played. When there are no selected files to play, the next one in the current folder will be played. If you go to a different folder and press the **ENTER** button, the current song in playback will stop.

### ► Play Marked: Play the selected files. Once a file finishes playing, the next selected one will be played automatically.

### ► Stop Play (During playback): Stop the playing files.

### ► Play with Photo: Start playing the selected files and then move to the Photo List.

### ► Mark: Use to mark or unmark a music.

### ► Mark All: Mark all files in the folder.

### ► Unmark All: Deselect all marked files.

### ► Delete or Delete Marked: Delete the selected files.

### ► Close: Close the pop-up menu.

- 1 Select the target folder or drive.
- 2 Select the desired musics.
- 3 Show the Popup menu.
- 4 Select the desired Popup menu.
- 5 Return to TV viewing.

■ Use the **CH** button to navigate in the music page.

■ Use the **MARK** button to mark or unmark a music file. If no music is marked, all the music in the folder will be played in sequence. When one or more music files are marked, the marked music files will be played in sequence. If you want to listen to only one song repeatedly, just mark that one file and play.



USB

## USB

- The play information box (as shown below) will automatically move across the screen when there is no user input to prevent a fixed image remaining on the screen for a extended period of time.



### ! NOTE

- ▶ When music is playing,  is displayed in front of the music play time.
- ▶ A damaged or corrupted music file that does not play displays 00:00 as the play time.
- ▶ A music downloaded from a paid service with copyright protection does not start but displays inappropriate information in playtime.
- ▶ Press **ENTER**,  or **RETURN** button to stop the screen saver.



# APPENDIX

## TROUBLESHOOTING

### The operation does not work normally.

The remote control  
doesn't work

- Check to see if there is any object between the product and the remote control causing obstruction. Ensure you are pointing the remote control directly at the TV.
- Ensure that the batteries are installed with correct polarity (+ to +, - to -).
- Ensure that the correct remote operating mode is set: TV, VCR etc.
- Install new batteries.

\*This feature is not available for all models.

Power is suddenly  
turned off

- Is the sleep timer set?
- Check the power control settings. Power interrupted.
- TV will be automatically turned off, in case of no signal for 15 minutes.

### The video does not work.

No picture & No sound

- Check whether the product is turned on.
- Try another channel. The problem may be with the broadcast.
- Is the power cord inserted into wall power outlet?
- Check your antenna direction and/or location.
- Test the wall power outlet, plug another product's power cord into the outlet where the product's power cord was plugged in.

Picture appears slowly  
after switching on

- This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.

No or poor color  
or poor picture

- Adjust Color in menu option.
- Keep a sufficient distance between the product and the VCR.
- Try another channel. The problem may be with the broadcast.
- Are the video cables installed properly?
- Activate any function to restore the brightness of the picture.

Horizontal/vertical bars  
or picture shaking

- Check for local interference such as an electrical appliance or power tool.

Poor reception on  
some channels

- Station or cable product experiencing problems, tune to another station.
- Station signal is weak, reorient antenna to receive weaker station.
- Check for sources of possible interference.

Lines or streaks  
in pictures

- Check antenna (Change the direction of the antenna).

No picture  
when connecting HDMI

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

## APPENDIX

### The audio function does not work.

|                                       |   |
|---------------------------------------|---|
| Picture OK but No sound               | <ul style="list-style-type: none"> <li>■ Press the VOL or VOLUME button.</li> <li>■ Sound muted? Press the MUTE button.</li> <li>■ Try another channel. The problem may be with the broadcast.</li> <li>■ Are the audio cables installed properly?</li> </ul> |
| No output from one of the speakers    | <ul style="list-style-type: none"> <li>■ Adjust Balance in menu option.</li> </ul>  |
| Unusual sound from inside the product | <ul style="list-style-type: none"> <li>■ A change in ambient humidity or temperature may result in an unusual noise when the product is turned on or off and does not indicate a fault with the product.</li> </ul>   |
| No sound when connecting HDMI or USB  | <ul style="list-style-type: none"> <li>■ Check HDMI cable over version 1.3.</li> <li>■ Check USB cable over version 2.0.</li> <li>■ Use normal MP3 file.</li> </ul>   |

\*This feature is not available for all models.

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

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

## MAINTENANCE

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

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

### Cleaning the Screen

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

#### **⚠ WARNING**

- ▶ Do not use window/glass cleaner or anything with ammonia to clean the screen.

### Cleaning the Cabinet

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

### Extended Absence

#### **⚠ CAUTION**

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

## PRODUCT SPECIFICATIONS

| MODEL  |                       | 32LH250H (32LH250H-UA)<br>32LH255H (32LH255H-UA)       | 37LH250H (37LH250H-UA)<br>37LH255H (37LH255H-UA)      | 42LH250H (42LH250H-UA)<br>42LH255H (42LH255H-UA)       |
|--|-----------------------|--|---|--|
| Dimensions<br>(Width<br>x Height<br>x Depth) | With stand            | 31.6 x 22.9 x 8.8 inches<br>805.0 x 583.0 x 223.8 mm   | 36.2 x 25.9 x 11.6 inches<br>922.0 x 659.0 x 297.0 mm | 40.4 x 28.1 x 11.6 inches<br>1028.0 x 715.4 x 297.0 mm |
|  | Without stand         | 31.6 x 20.7 x 4.2 inches<br>805.0 x 528.2 x 108.9 mm   | 36.2 x 23.4 x 3.4 inches<br>922.0 x 595.0 x 88.0 mm   | 40.4 x 25.7 x 3.4 inches<br>1028.0 x 655.0 x 88.7 mm   |
| Weight                                       | With stand            | 27.7 pounds / 12.6 kg                                  | 33.0 pounds / 15.0 kg                                 | 41.0 pounds / 18.6 kg                                  |
|  | Without stand         | 25.1 pounds / 11.4 kg                                  | 29.1 pounds / 13.2 kg                                 | 37.0 pounds / 16.8 kg                                  |
| Power requirement                            |                       | AC100-240V ~ 50/60Hz                                   |   |  |
| Television System                            |                       | NTSC-M, ATSC, 64 & 256 QAM                             |   |  |
| Program Coverage                             |                       | VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135 |   |  |
| External Antenna Impedance                   |                       | 75 ohm   |   |  |
| Environment<br>condition                     | Operating Temperature | 32 ~ 104°F (0 ~ 40°C)<br>Less than 80%                 |   |  |
|  | Operating Humidity    |  |   |  |
|  | Storage Temperature   | -4 ~ 140°F (-20 ~ 60°C)<br>Less than 85%               |   |  |
|  | Storage Humidity      |  |   |  |

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

## OPEN SOURCE SOFTWARE NOTICE

The following GPL executables and LGPL/MPL libraries used in this product are subject to the GPL2.0/LGPL2.1/MPL1.1 License Agreements:

### GPL EXECUTABLES:

- Linux kernel 2.6
- busybox
- lzo

### LGPL LIBRARIES:

- uClibc

### MPL LIBRARIES:

- Nanox

LG Electronics offers to provide source code to you on CD-ROM for a charge covering the cost of performing such distribution, such as the cost of media, shipping and handling upon e-mail request to LG Electronics at: [opensource@lge.com](mailto:opensource@lge.com)

This offer is valid for a period of three (3) years from the date of the distribution of this product by LG Electronics.

You can obtain a copy of the GPL, LGPL and MPL licenses on the CD-ROM provided with this product.

This software is based in part on the work of the Independent JPEG Group copyright © 1991 – 1998, Thomas G. Lane.

You can obtain a copy of the GPL, LGPL, MPL licenses from

<http://www.gnu.org/licenses/old-licenses/gpl-2.0.html>,

<http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html>

<http://www.mozilla.org/MPL/MPL-1.1.html>.

Also you can obtain the translation of GPL, LGPL licenses from

<http://www.gnu.org/licenses/old-licenses/gpl-2.0-translations.html>,

<http://www.gnu.org/licenses/old-licenses/lgpl-2.1-translations.html>

This product includes

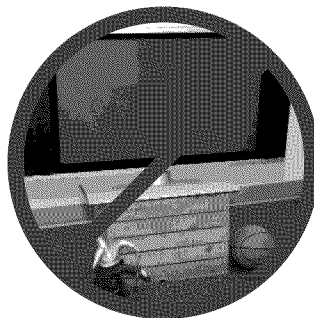
- libpng library : copyright © 2004 Glenn Randers-Pehrson
- Zlib compression library: Copyright © 1995-2002 Jean-loup Gailly and Mark Adler.
- Tinyxml library : copyright (c) 2000-2006 Lee Thomason



## CHILD SAFETY:

It Makes A Difference How and Where  
You Use Your Flat Panel Display

Congratulations on your purchase! As you enjoy your new product, please keep these safety tips in mind:



### THE ISSUE

- The home theater entertainment experience is a growing trend and larger flat panel displays are popular purchases. However, flat panel displays are not always supported on the proper stands or installed according to the manufacturer's recommendations.
- Flat panel displays that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests or carts may fall over and cause injury.

### THIS MANUFACTURER CARES!

- The consumer electronics industry is committed to making home entertainment enjoyable and safe.

### TUNE INTO SAFETY

- One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your flat panel display.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't allow children to climb on or play with furniture and television sets.
- Don't place flat panel displays on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" flat panel display. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the flat panel display so that they cannot be pulled or grabbed by curious children.

### WALL MOUNTING: IF YOU DECIDE TO WALL MOUNT YOUR FLAT PANEL DISPLAY, ALWAYS:

- Use a mount that has been recommended by the display manufacturer and/or listed by an independent laboratory (such as UL, CSA, ETL).
- Follow all instructions supplied by the display and wall mount manufacturers.
- If you have any doubts about your ability to safely install your flat panel display, contact your retailer about professional installation.
- Make sure that the wall where you are mounting the display is appropriate. Some wall mounts are not designed to be mounted to walls with steel studs or old cinder block construction. If you are unsure, contact a professional installer.
- A minimum of two people are required for installation. Flat panel displays can be heavy.

