

APPENDIX G : USER'S MANUAL





OWNER'S MANUAL LED LCD TV / LCD TV

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 _

P/NO : SAC34134204 (1003-REV04)



www.lge.com

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 "dan-

gerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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

WARNING/CAUTION

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

NOTE TO CABLE/TV INSTALLER

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

WARNING / CAUTION

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

FCC Notice

Class B digital device

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

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

This device complies with part 15 of the FCC Rules.

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

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION

Do not attempt to modify this product in any way without written authorization from LG Electronics.

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

SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

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

Follow all instructions.



Do not use this apparatus near water.





Clean only with dry cloth.



Do not block any ventilation openings. Install in accordance with the ma nufacturer's instructions.



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



Do not defeat the safety purpose of the polarized 5 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.



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



Only use attachments/accessories specified by the manufacturer.



Use only with the cart, stand, tripod, bracket, 8 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.



Unplug this apparatus during lighting 9 storms or when unused for long periods of time.



Refer all servicing to gualified service per-10 sonnel. 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

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

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 use a damaged or loose power cord. Do not pull on the power cord to unplug the TV. Grasp the plug when unplugging the power cord.



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.

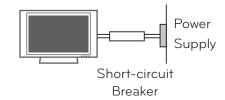


10 Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g. on shelves above the unit).



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.

As long as this unit is connected to the AC wall outlet, it is not disconnected from AC power even if you turn off the power switch on the unit.

20 ANTENNAS

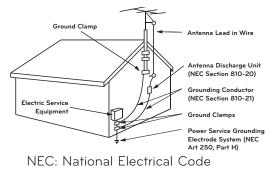
Outdoor antenna grounding

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



Cleaning

When cleaning, unplug the power cord and rub 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.



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 Take care not to touch the ventilation openings. When watching the TV for a long period, the ventilation openings may become hot.
- If you smell smoke or other odors coming from the TV or hear strange sounds, unplug the power cord contact an authorized service center.
- 26 Do not press strongly upon the panel with hand or sharp object such as nail, pencil or pen, or make a scratch on it.



27 Keep the product away from direct sunlight.

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.

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FEATURE OF THIS TV

Some of these features are not available on all models.



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



AV Mode is three preset picture and audio settings. It allows the viewer to quickly switch between common settings. It includes Cinema, Sports, and Game Modes.



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



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



Unlike other sensors which can only sense brightness of ambient light, LG's "Intelligent Sensor" uses 4,096 sensing steps to evaluate its surroundings. Using a sophisticated algorithm, the LG processes picture quality elements including brightness, contrast, color, sharpness and white balance. The result is a picture optimized for it's surroundings, more pleasing to watch and which can also save up to 50% in power consumption.





Laboratories. "Dolby "and the double-D symbol are trademarks of Dolby Laboratories.

Manufactured under license from Dolby



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



FULL HD

311/2



View videos and photos and listen to music on your TV through USB 2.0 ('videos' dependent on model).

ABOUT DIVX VIDEO: DivX[®] is a digital video format created by DivX,Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Videoon-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this

code to complete the registration process and learn more about DivX VOD.

"DivX Certified to play DivX video up to HD 1080p, including premium content"

"Pat. 7,295,673; 7,460,688;7,519,274"

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

- When a fixed image (e.g. logos, screen menus, video game, and computer display) is displayed on the TV for an extended period, it can become permanently imprinted on the screen. This phenomenon is known as "image burn" or "burn-in." Image burn is not covered under the manufacturer's warranty.
- In order to prevent image burn, avoid displaying a fixed image on your TV screen for a prolonged period (2 or more hours for LCD, 1 or more hours for Plasma).
- Image burn can also occur on the letterboxed areas of your TV if you use the 4:3 aspect ratio setting for an extended period.



PREPARATION

ACCESSORIES

(M4 x 20)

Screws for stand

assembly

(Refer to P.24)

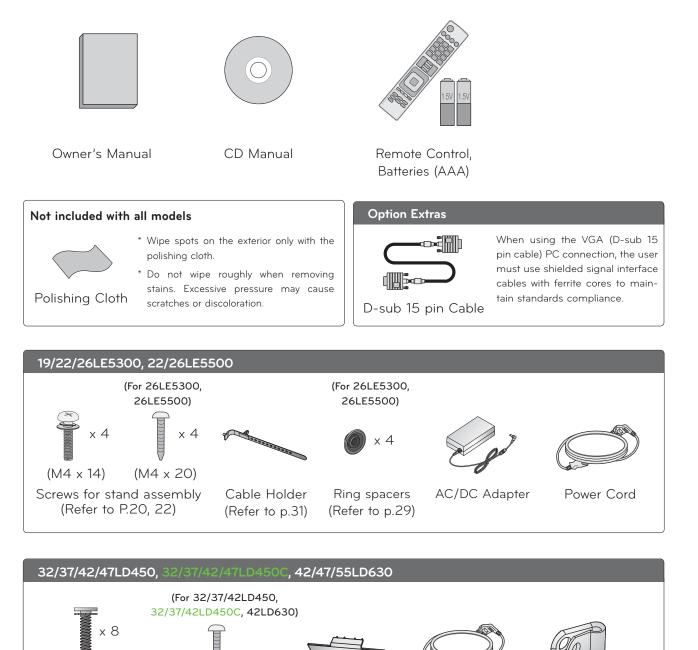
Screw for stand

fixing

(Refer to P.33)

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.



Protection Cover

(Refer to P.25)

Power Cord

mil (X)

Protective Bracket

and Screw for

Power Cord (Refer to P.30)

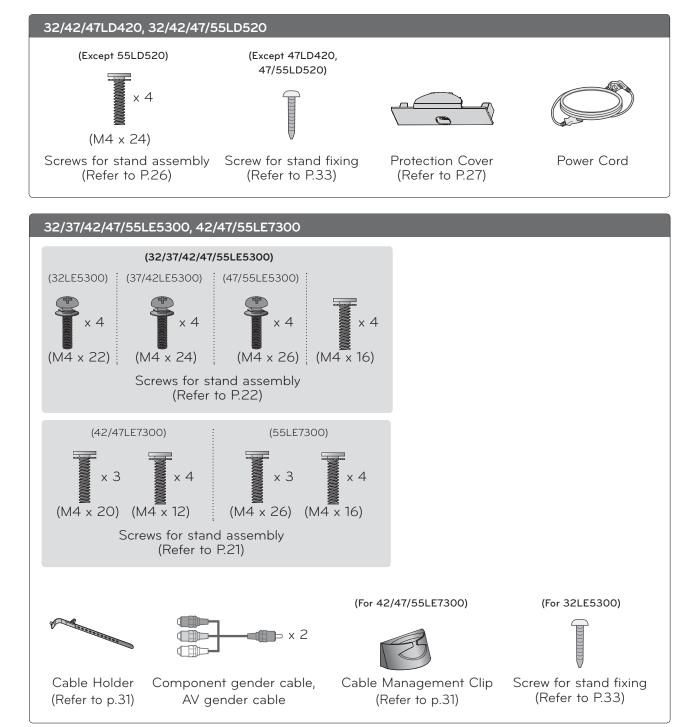
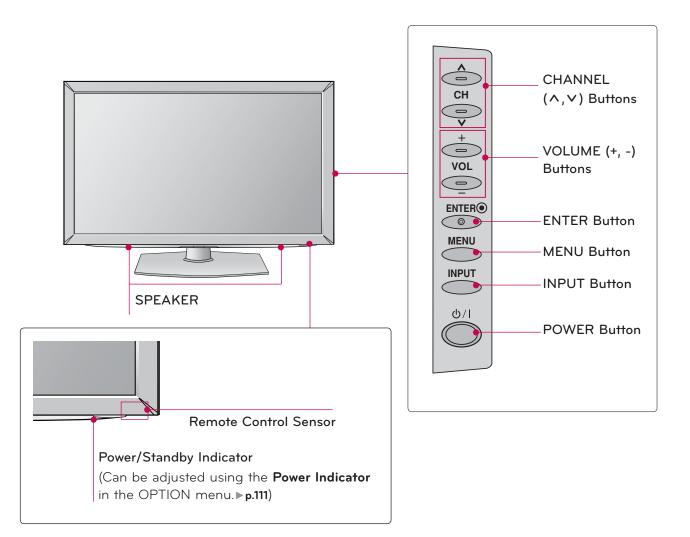
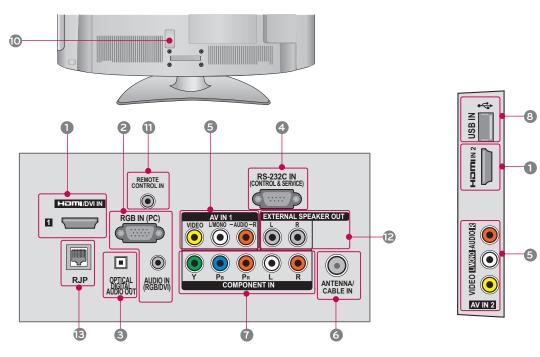


Image shown may differ from your TV.

32/37/42/47LD450, 32/37/42/47LD450C



32/37/42/47LD450C



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).

RGB IN (PC)

Analog PC Connection. Uses a D-sub 15 pin cable (VGA cable).

AUDIO IN (RGB/DVI)

0.32 cm (1/8 inch) headphone jack for analog PC audio input.

OPTICAL DIGITAL AUDIO OUT

Digital optical audio output for use with amps and home theater systems.

Note: In standby mode, this port doesn't work.

RS-232C IN (CONTROL & SERVICE)

Used by third party devices.

This port is used for service or Hotel mode.

AV (Audio/Video) IN

Analog composite connection. Supports standard definition video only (480i).

ANTENNA/CABLE IN

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

COMPONENT IN

Analog Connection.

Supports HD.

Uses a red, green, and blue cable for video & red and white for audio.

USB INPUT

Used for viewing videos, photos and listening to MP3s.

HEADPHONE

0.32 cm (1/8 inch) headphone jack Impedance 16 Ω , Maximum audio out 15 mW

Power Cord Socket

For operation with AC power. Caution: Never attempt to operate the TV on DC pwer.

REMOTE CONTROL IN

For a wired remote control.

EXTERNARL SPEAKER OUT

For use with external speakers.

B RJP

Connect this to an LG remote jack pack system.

STAND INSTRUCTIONS (For 32/37/42/47LD450, 32/37/42/47LD450C, 42/47/55LD630)

Image shown may differ from your TV.

INSTALLATION

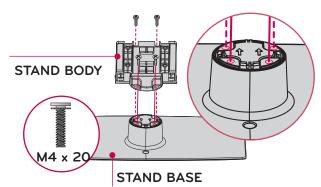
PREPARATION

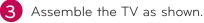
Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.

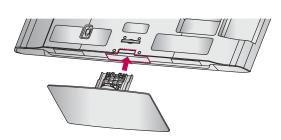


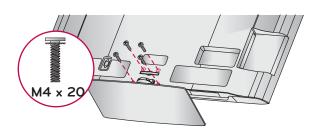


Assemble the parts of the **STAND BODY** with the **STAND BASE** of the TV.









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

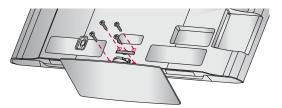
4 Install the 4 screws into the holes shown.

DETACHMENT



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

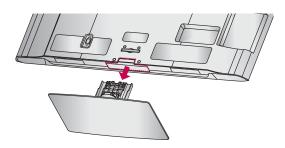






3 Detach the stand from TV.

2 Remove the screws from the TV.

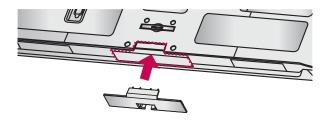


PROTECTION COVER

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.

When installing the wall mounting bracket, use the **PROTECTION COVER**.



VESA WALL MOUNTING

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

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

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

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

Model	VESA (A * B)	Standard Screw	Quantity	Wall Mounting Bracket (sold separately)
19LE5300, 22LE5300, 22LE5500, 26LE5300, 26LE5500	100 * 100	M4	4	LSW100B, LSW100BG
32LE5300, 32LD420, 32LD450, 32LD450C, 32LD520	200 * 100	M4	4	LSW100B, LSW100BG
37LE5300, 42LE5300, 47LE5300, 37LD450, 37LD450C 42LE7300, 47LE7300 42LD450, 42LD450C, 47LD450, 47LD450C, 42LD420, 47LD420, 42LD520, 47LD520, 42LD630, 47LD630	200 * 200	M6	4	LSW200B, LSW200BG
55LE5300, 55LE7300, 55LD520, 55LD630	400 * 400	M6	4	LSW400B, LSW400BG

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.

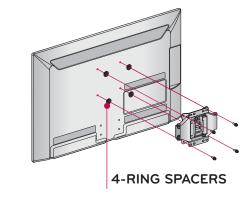
Do not use fasten the screws too strongly, this may damage the TV or cause the TV to a fall, leading to personal injury. LG is not liable for these kinds of accidents.

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.

A CAUTION

▶ Do not install your wall mount kit while your TV is turned on. It may result in personal injury due to electric shock.

For 26LE5300, 26LE5500



Place the ring spacers on the set before installing the wall mounting bracket so that the inclination of the backside of the set can be adjusted perpendicularly.

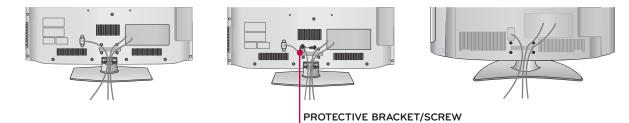
CABLE MANAGEMENT

Image shown may differ from your TV.

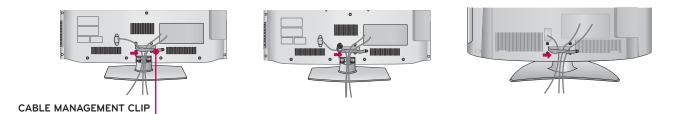
32/37/42/47LD450, 32/37/42/47LD450C, 32/42/47LD420, 32/42/47/55LD520, 42/47/55LD630

Connect the cables as necessary.

To connect additional equipment, see the **EXTERNAL EQUIPMENT SETUP** section. For 32/37/42/47LD450C: Secure the power cord with the **PROTECTIVE BRACKET/SCREW** on the TV back cover. It will help prevent the power cable from being removed by accident.



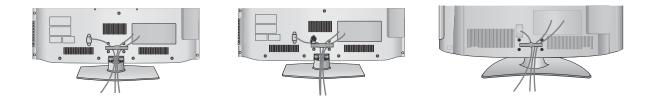
Open the CABLE MANAGEMENT CLIP as shown.





(2)

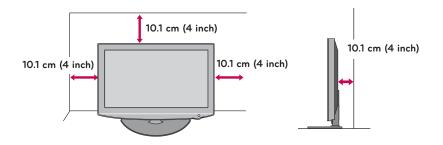
Put the cables inside the **CABLE MANAGEMENT CLIP** and snap it closed.



DESKTOP PEDESTAL INSTALLATION

Image shown may differ from your TV.

For proper ventilation, allow a clearance of 10.1 cm (4 inch) on all four sides from the wall.

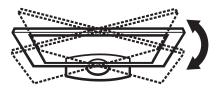


ACAUTION

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

SWIVEL STAND (Except 19/22LE5300, 22LE5500)

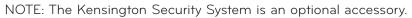
After installing the TV, you can adjust the TV set manually to the left or right direction by 20 ° to suit your viewing position.

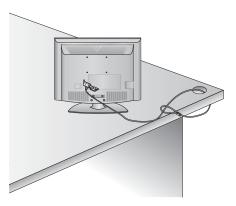


KENSINGTON SECURITY SYSTEM

- This feature is not available for all models.
- The TV is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.
- For the detailed installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.

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

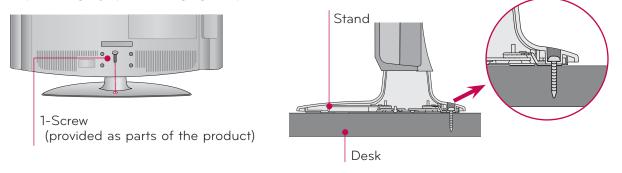


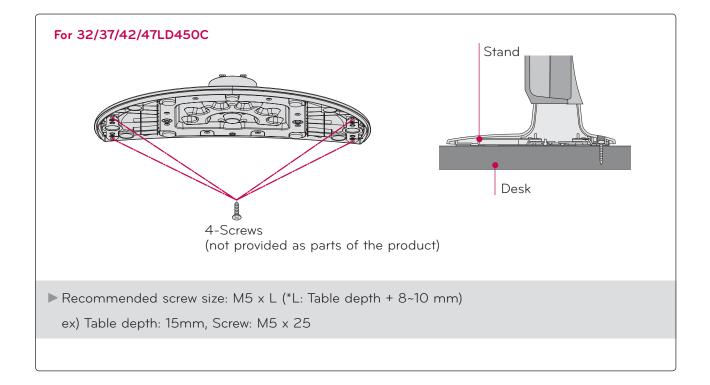


ATTACHING THE TV TO A DESK (For 32/42LD420, 32/37/42LD450, 32/37/42LD450C, 32/42LD520, 42LD630, 32LE5300)

Image shown may differ from your TV.

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.





WARNING

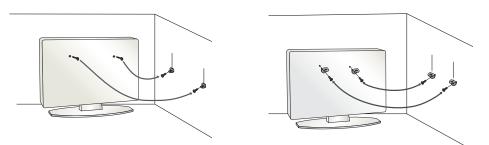
► To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the machine may cause injury.

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.

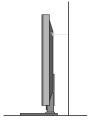
Caution: Please make sure that children don't climb on or hang from the TV.



- 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.

- ► 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.

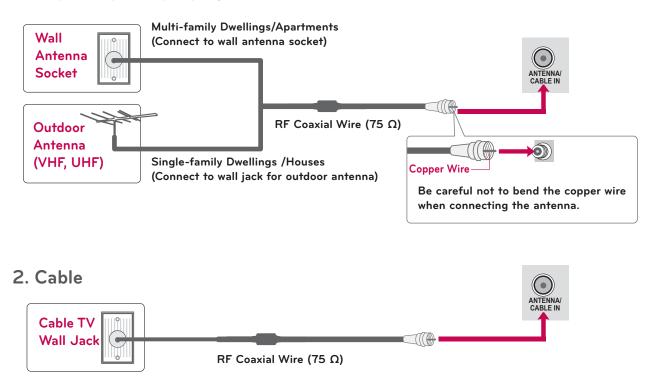
- To prevent damage do not connect to the power outlet until all connections are made between the devices.
- Image shown may differ from your TV.

ANTENNA OR CABLE CONNECTION

1. Antenna (Analog or Digital)

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

For optimum picture quality, adjust antenna direction if needed.



If the antenna needs to be split for two TV's, install a 2-Way Signal Splitter.

For much more information about antennas visit our Knowledgebase at http://lgknowledgebase. com. Search for antenna.

- To prevent the equipment damage, never plug in any power cords until you have finished connecting all equipment.
- IThis part of EXTERNAL EQUIPMENT SETUP mainly use picture of for 26LE5300/26LE5500.

HD RECEIVER SETUP

This TV can receive digital over-the-air/digital cable signals without an external digital set-top box. However, if you do receive digital signals from a digital set-top box or other digital external device.

Component Connection

1. How to connect

1

EXTERNAL EQUIPMENT SETUP

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

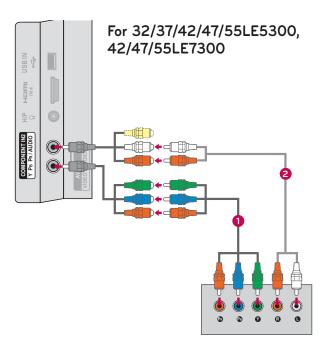
Connect the audio output of the digital set-top box to the COMPONENT IN AUDIO or $1/2^*$ jacks on the TV.

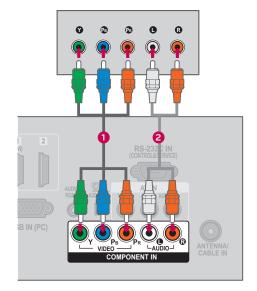
2. How to use

- Turn on the digital set-top box.
 (Refer to the owner's manual for the digital settop box operation.)
- Select the Component or Component1/2* input source on the TV using the INPUT button on the remote control.
- * Component2: For 32/37/42/47/55LE5300, 42/47/55LE7300

Y, CB/PB, CR/PR

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)	
720x480i	15.73	59.94	
720x4601	15.73	60.00	
720,480,0	31.47	59.94	
720x480p	31.50	60.00	
1200,7200	44.96	59.94	
1280x720p	45.00	60.00	
1020,1090;	33.72	59.94	
1920x1080i	33.75	60.00	
	26.97	23.976	
	27.00	24.00	
1920x1080p	33.71	29.97	
	33.75	30.00	
	67.432	59.94	
	67.50	60.00	





²

HDMI Connection

1. How to connect



Connect the digital set-top box to **HDMI/DVI IN 1**, **2**, **3**^{*}, or **4**^{**} jack on the TV.



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 settop box.)
- Select the HDMI1, HDMI2, HDMI3*, or HDMI4** input source on the TV using the INPUT button on the remote control.

* HDMI3: For 26LE5300/5500, 32/42/47/55LD520, 42/47/55LD630 ** HDMI4: For 32/37/42/47/55LE5300, 42/47/55LE7300

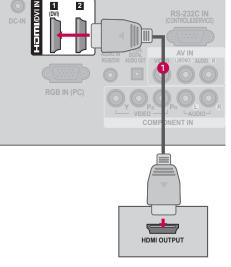
NOTE

If an HDMI cable doesn't support High Speed HDMI, it can cause flickers or no screen display. In this case use the latest cables that support High Speed HDMI.

HDMI Audio Supported Format: Dolby Digital (32 KHz, 44.1 KHz, 48 KHz), Linear PCM (32 KHz, 44.1 KHz, 48 KHz)

HDMI-DTV

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
720x480p	31.47	59.94
	31.50	60.00
1200,720 -	44.96	59.94
1280x720p	45.00	60.00
1920x1080i	33.72	59.94
	33.75	60.00
	26.97	23.976
	27.00	24.00
1020,1090,5	33.71	29.97
1920x1080p	33.75	30.00
	67.432	59.94
	67.50	60.00



DVI to HDMI Connection

1. How to connect



2

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

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

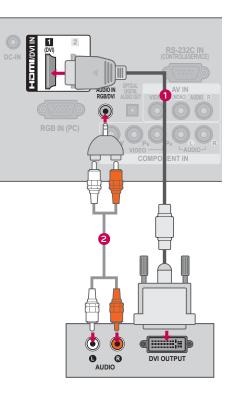
2. How to use

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

* HDMI2: For 32/42/47/55LD520, 42/47/55LD630

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

- Connect the video outputs (Y, PB, PR) of the DVD to the **COMPONENT IN VIDEO** or **1/2*** jacks on the TV. Match the jack colors (Y = green, PB = blue, and PR = red).
- Connect the audio outputs of the DVD to the COMPONENT IN AUDIO or 1/2* jacks on the TV.

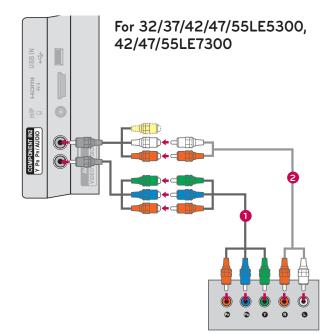
2. How to use

- Turn on the DVD player, insert a DVD.
- Select the Component or Component1/2* input source on the TV using the INPUT button on the remote control.
- Refer to the DVD player's manual for operating instructions.
- * Component2: For 32/37/42/47/55LE5300, 42/47/55LE7300

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	Рв	PR
	Y	Рв	PR
Video output ports	Y	B-Y	R-Y
on DVD player	Y	Сь	Cr
	Y	Pb	Pr



Composite (RCA) Connection

1. How to connect

1

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

2. How to use

- Turn on the DVD player, insert a DVD.
- Select the AV or AV1/2* input source on the TV using the INPUT button on the remote control.
- Refer to the DVD player's manual for operating instructions.
- * AV2: Except 19/22/26LE5300, 22/26LE5500

HDMI Connection

1. How to connect

Connect the HDMI output of the DVD to the **HDMI/DVI IN 1, 2, 3**^{*}, or **4**^{**} jack on the TV.



1

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

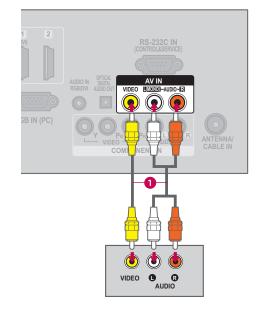
2. How to use

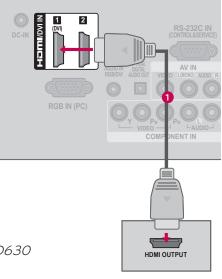
- Select the HDMI1, HDMI2, HDMI3*, or HDMI4** input source on the TV using the INPUT button on the remote control.
- Refer to the DVD player's manual for operating instructions.

* HDMI3: For 26LE5300/5500, 32/42/47/55LD520, 42/47/55LD630

** HDMI4: For 32/37/42/47/55LE5300, 42/47/55LE7300

- If an HDMI cable doesn't support High Speed HDMI, it can cause flickers or no screen display. In this case use the latest cables that support High Speed HDMI.
- HDMI Audio Supported Format: Dolby Digital (32 KHz, 44.1 KHz, 48 KHz), Linear PCM (32 KHz, 44.1 KHz, 48 KHz)





VCR SETUP

Antenna Connection

1. How to connect

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

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).

Composite (RCA) Connection

1. How to connect

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

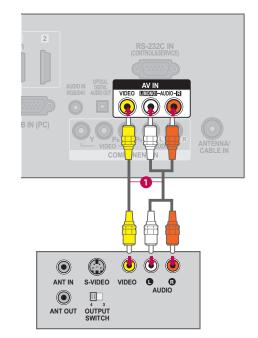
2. How to use

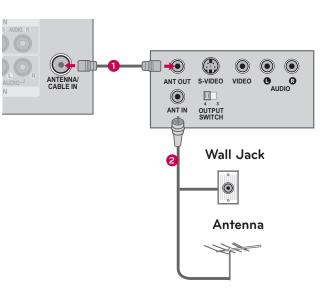
1

- Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
- Select the AV or AV1/2* input source on the TV using the INPUT button on the remote control.
- * AV2: Except 19/22/26LE5300, 22/26LE5500

NOTE

If you have a mono VCR, connect the audio cable from the VCR to the AUDIO L(MONO) jack of the TV.





OTHER A/V SOURCE SETUP

1. How to connect

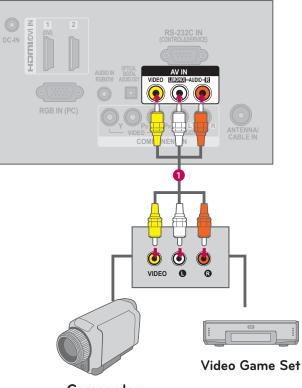


Connect the **AUDIO/VIDEO** jacks between TV and external equipment. Match the jack colors. (Video = yellow, Audio Left = white, and

Audio Right = red)

2. How to use

- Select the AV or AV1/2* input source on the TV using the INPUT button on the remote control.
- Operate the corresponding external equipment.
- * AV2: Except 19/22/26LE5300, 22/26LE5500



Camcorder

43

USB CONNECTION

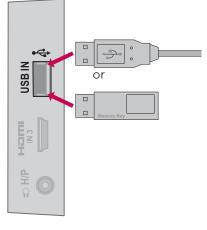
1. How to connect



Connect the USB device to the **USB IN** jack on the side of TV.

2. How to use

After connecting the USB IN jack, you use the USB function. (> p.78)



HEADPHONE SETUP

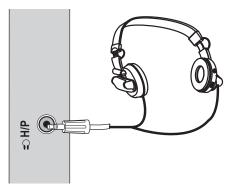
You can listen to the sound through the headphone.

1. How to connect

- Plug the headphone into the headphone socket.
- To adjust the headphone volume, press the VOL +/- button. If you press the MUTE button, the sound from the headphone is switched off.

NOTE

- AUDIO menu options are disabled when connecting a headphone.
- When changing AV MODE with a headphone connected, the change is applied to video but not to audio.
- Optical Digital Audio Out is not available when connecting a headphone.



AUDIO OUT CONNECTION

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

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

1. How to connect

Connect one end of the optical cable to the TV port of **OPTICAL DIGITAL AUDIO OUT**.

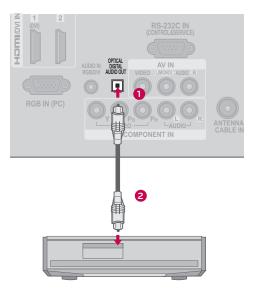
2

1

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



Set the "TV Speaker option - Off" in the AUDIO menu. (▶ p.119). See the external audio equipment instruction manual for operation.



NOTE

▶ When connecting with external audio equipment, such as amplifiers or speakers, you can turn the TV speakers off in the menu. (▶ p.119)

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

PC SETUP

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

VGA (D-Sub 15 Pin) Connection

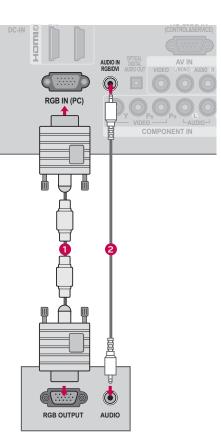
1. How to connect

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

Connect 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



2

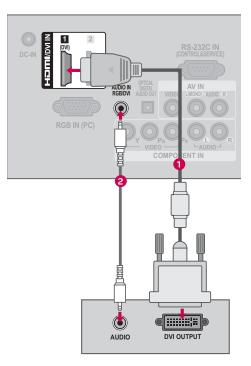
Connect the DVI output of the PC to the HDMI/DVI IN 1 or 2^* jack on the TV.

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 or HDMI2* input source on the TV using the INPUT button on the remote control.

* HDMI2: For 32/42/47/55LD520, 42/47/55LD630



NOTE

- ► To get the the best picture quality, adjust the PC graphics card to **1360 x 768** (19/22/26LE5300) or **1920 x 1080** (Other models).
- Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use.
- In PC mode, there may be noise associated with the resolution, vertical pattern, contrast or brightness. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the PICTURE menu until the picture is clear.
- Avoid keeping a fixed image on the screen for a long period of time. The fixed image may become permanently imprinted on the screen.
- The synchronization input form for Horizontal and Vertical frequencies is separate.
- Depending on the graphics card, some resolution settings may not allow the image to be positioned on the screen properly.
- ▶When selecting HDMI-PC, set the "Input Label PC" in the OPTION menu.

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)	
640x350	31.468	70.09	
720x400	31.469	70.08	
640x480	31.469	59.94	
800x600	37.879	60.31	
1024x768	48.363	60.00	
1280x768	47.776	59.87	
1360x768	47.712	60.015	
1280x1024	63.981	60.02	Except 19/22/26LE5300
1600x1200	75.00	60.00	Except 32/37/42/47/55LE5
1920x1080 RGB-PC	66.587	59.934	42/47/55LE7300, 22/26LE
1920x1080 HDMI-PC	67.50	60.00	

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

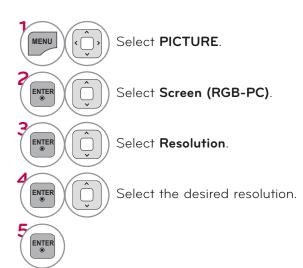
Screen Setup for PC mode

Selecting Resolution

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

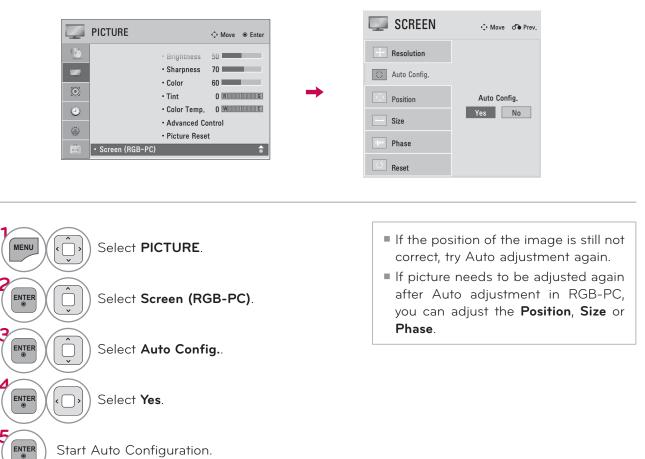
You can choose this option only when the PC resolution is set to 1024X768, 1280X768 or 1360X768.

	PICTURE	♦ Move		SCREEN	↔ Move do Prev.
	• Brightness	50		+ Resolution	⊠ 1024 x 768
9	• Sharpness • Color	70 		O Auto Config.	□ 1280 x 768 □ 1360 x 768
\odot	• Tint	0 R	→	Position	□ 1300 X 700
2	• Color Temp. • Advanced Co			Size	
6	Picture Rese				
	• Screen (RGB-PC)	گ		Phase	
				C Reset	



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.



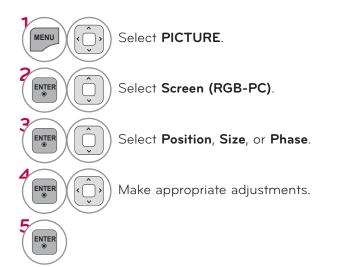
Start Auto Configuration.

EXTERNAL EQUIPMENT SETUP

Adjustment for screen Position, Size, and Phase

If the picture is not clear after auto adjustment or if text is shaking, adjust the picture phase manually. This feature operates only in RGB-PC mode.

PICTURE	¢	Move Enter 		SCREEN	🗘 Move 👌 P
<u>()</u>	- Brightness 50			Resolution	
-	• Sharpness 70			O Auto Config.	
O	Color 60 Tint 0	R	\rightarrow	C Position	
0		W		Size	
٨	Advanced Contr Picture Reset	ol			
Screen (RGB-		٢		Phase	
				O Reset	



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

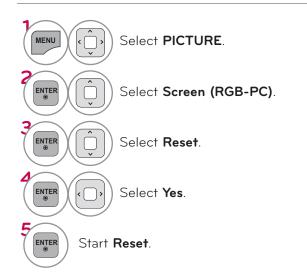
Prev

- 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 initial values)

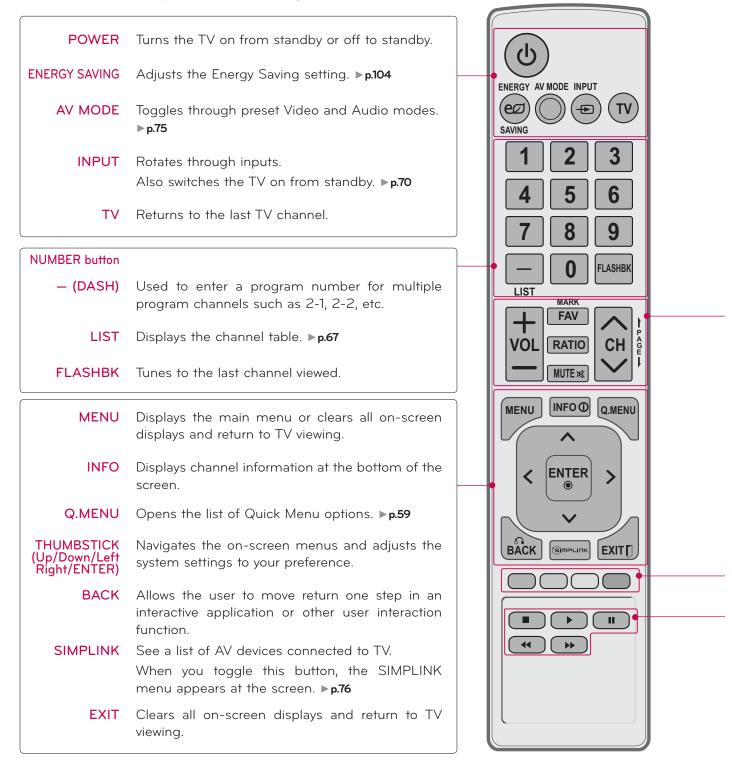
Returns **Position**, **Size**, and **Phase** to the default initial settings. This feature operates only in RGB-PC mode.

PICTURE	♦ Move	*	SCREEN	🗘 Move 🛛 👌 Prev.
• Brightness	50	4	Resolution	
Sharpness Color	70 60		Auto Config.	
• Color • Tint	0 R		Position	To Set
Color Temp. Advanced Co	0 W		Size	Yes No
• Picture Rese			Phase	
• Screen (RGB-PC)	۲		Reset	



REMOTE CONTROL FUNCTIONS

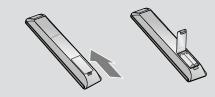
When using the remote control, aim it at the remote control sensor on the TV. The remote control may differ from the images below.



VOLUME UP/DOWN	Adjusts the volume.
FAV	Scroll through the programmed Favorite channels. ▶ p.66
MARK	Select the input to apply the Picture Wizard settings. ▶ p.103 Use to mark or unmark a photo/music/movie. ▶ p.83, 88, 94
RATIO	Changes the aspect ratio. ▶ p.100
MUTE	Switches the sound on or off. ▶p.54
CHANNEL UP/DOWN	Changes the channel.
PAGE UP/DOWN	Moves from one full set of screen information to the next one.
COLOR BUTTON	Access special functions in some menus.
USB, SIMPLINK Control	 Controls MY MEDIA menu (Movie List, Photo List, Music List) Controls the SIMPLINK compatible devices.

Installing Batteries

buttons



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

TURNING ON THE TV

- 1
- First, connect power cord correctly.

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 ⁽/₀, **INPUT**, **CH** (^ or ∨), **Number** (0-9) button on the remote control.



Select the viewing source by using the **INPUT** button on the remote control.



When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

- ▶ If you intend to be away on vacation, disconnect the power plug from the wall power outlet.
- If you do not complete the Initial setting, it will appear whenever the TV is switched on until the Initial setting procedure is completed.

CHANNEL SELECTION

Press the CH (\land or \lor) 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.



If you want to switch the sound off, press the MUTE button.



You can cancel the Mute function by pressing the MUTE or VOL (+ or -) button.

INITIAL SETTING

This Function guides the user to easily set the essential items for viewing the TV for the first time when purchasing the TV. It will be displayed on the screen when turning the TV on for the first time. It can also be activated from the user menus.

- Default selection is "Home Use". We recommend setting the TV to "Home Use" mode for the best picture in your home environment.
- "Store Demo" Mode is only intended for use in retail environments. Customers can adjust the "Picture menu - Picture mode" manually while inspecting the TV, but the TV will automatically return to preset in-store mode after 5 minutes.
- "Store Demo" Mode is an optimal setting for displaying at stores. "Store Demo" mode initializes the TV to set the image quality.

Step 1. Selecting Language





Step 2. Mode setting

i) Selecting the Choose the setting	environment. g mode you want.	
Select [Hom in-home. Yo	e Use] when setting TV up u can adjust picture quality through Picture Mode menu	
Home Use • Demo Mode	Store Demo Off	
d Previous	Next	



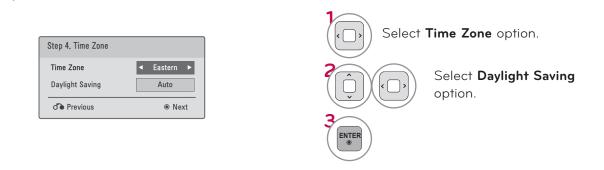
Step 3. Power Indicator (For LED LCD TV)





This function is disable in "Step2. Mode Setting - Store Demo".

Step 4. Time Zone



Step 5. Auto Tuning





Check your antenna connection and start **Auto Tuning**.

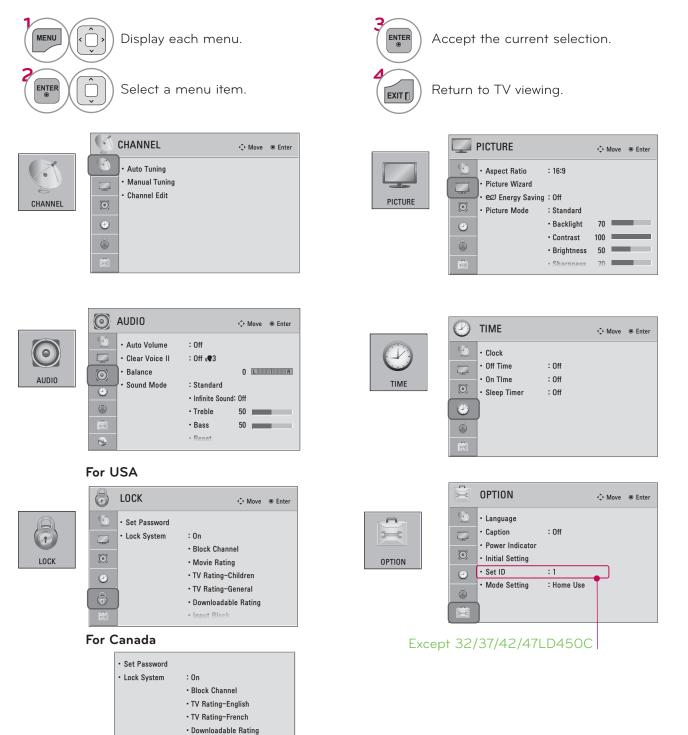
ON-SCREEN MENUS SELECTION

Input Block

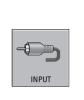
: Off

• Key Lock

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



WATCHING TV / CHANNEL CONTROL



nput List					♦ Move ● End ● End ■ Endd ■ Endd ■ Endd ■ Endd ■ Endd ■ Endd ■ Endd ■ Endd ■ En
C		OQQ	00000		
TV	USB	AV	Component	RGB-PC	HDMI1
HDMI2	HDMI3				



Except 32/42/47LD420, 32/37/42/47LD450, 32/37/42/47LD450C, 32/42/47/55LD520

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.

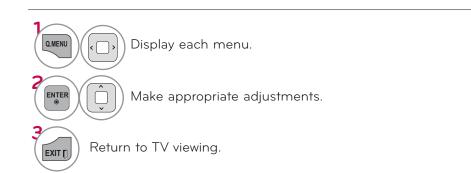


Aspect Ratio: Selects your desired picture format.
 Picture Mode: Selects the desired preset picture setting.
 Sound Mode: Selects the desired preset sound setting.
 Multi Audio: Changes the audio language (Digital signal).
 SAP: Selects MTS sound (Analog signal).
 ²Sleep Timer: Select the amount of time before your TV turns off automatically.

CH Del/Add: Select channel you want to add or delete.

Caption: Select on or off.

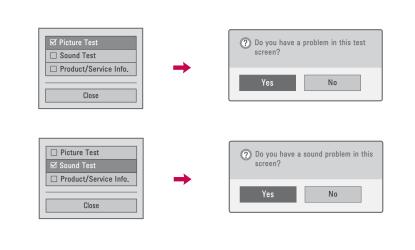
USB Device: Select "Eject" in order to eject a USB device.

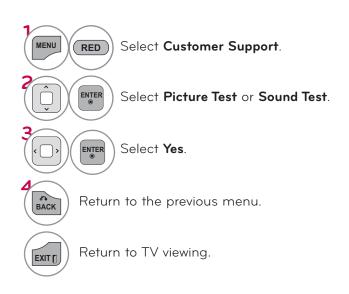


CUSTOMER SUPPORT

Picture Test / Sound Test

This function is a customer support function that can execute picture and sound tests.





Product/Service Info.

This function shows support and product information. Customer Service Center can differ by country.





Select Customer Support.

ENTER You can check the various product/Service infomation based on your model.



Return to the previous menu.

Return to TV viewing.

WATCHING TV / CHANNEL CONTROL

SIMPLE MANUAL

You can easily and effectively access the TV information by viewing a simple manual on the TV. During the Simple Manual operation, audio will be muted.



EXIT

GREEN) Select Simple Manual.

Select the part of the manual you would like to see.

Go to the **Index** page.

E) Play the Sim

Play the **Simple Manual** automatically or manually.

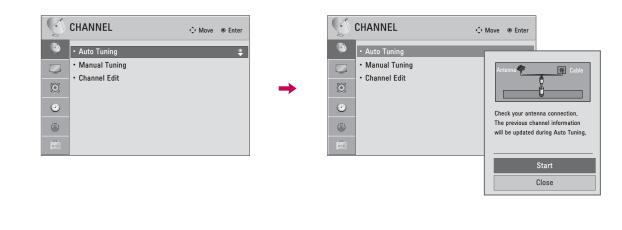
CHANNEL SETUP

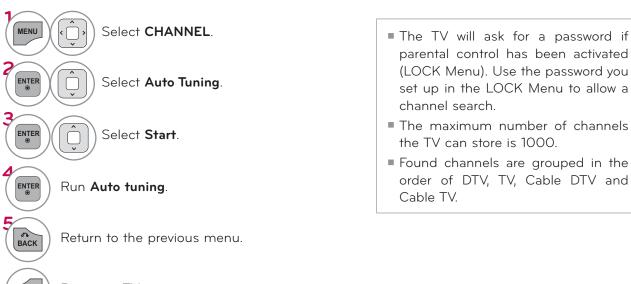
Auto Scan (Auto Tuning)

Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list.

Run this function if you change your residence or move the TV.

Auto Tuning memorizes only the channels available at the time.







EXIT

Add/Delete Channel (Manual Tuning)

add or delete.

ENTER

BACK

EXIT

Select channel you want to

Select Add or Delete.

Return to the previous menu.

Return to TV viewing.

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

CHANNEL	CHANNEL
 Auto Tuning Manual Tuning Channel Edit Channel Edit 	 Auto Tuning Manual Tuning Channel Edit Channel Edit Channel Edit DTV ➤ Select channel type and RF-channel number. Channel 2 DTV 2-1 Signal Strength 88% Signal Quality 88% Delete Close
MENU Select CHANNEL.	 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. The maximum number of channels
ENTER Select DTV, TV, Cable DTV, or Cable TV.	the TV can store is 1000.

64

Channel Editing

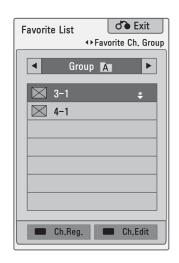
The channels in the Channel Edit List are displayed in black and the channels deleted from the Channel Edit List are displayed in blue.

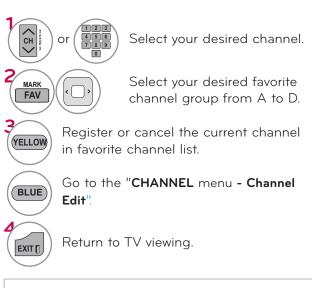
When a channel number is deleted, it means that you will be unable to select it using $CH \land V$ button during TV viewing. If you wish to select the deleted channel, directly enter the channel number with the NUMBER buttons or select it in the Channel Edit menu.



FAVORITE CHANNEL SETUP

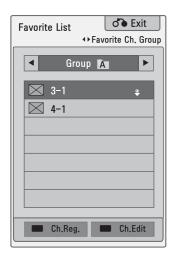
Favorite Channels are a convenient feature that lets you quickly select channels of your choice without waiting for the TV to select all the in-between channels.





You can also setup Favorite List in the CHANNEL menu - Channel Edit.

FAVORITE CHANNEL LIST



Displaying the favorite channel list



Display the Favorite channel list.

Selecting a channel in the favorite channel list



Select a channel.



СН

EXIT

Switch to the chosen channel number.

Paging through a favorite channel list

Turn the pages.

CHANNEL LIST

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

Channel List 🔗 Exit	
3-1 ● 4-1	This padlock is displayed when the channel is locked with parental control.
Ch.Edit	

Displaying Channel List



Display the **Channel List**.

Tune to the "CHANNEL menu - Channel Edit".

Selecting a channel in the channel list



Select a channel.

Switch to the chosen channel number.

Paging through a channel list



Turn the pages.

CHANNEL INFORMATION

WATCHING TV / CHANNEL CONTROL

(INFO (D)

EXIT []

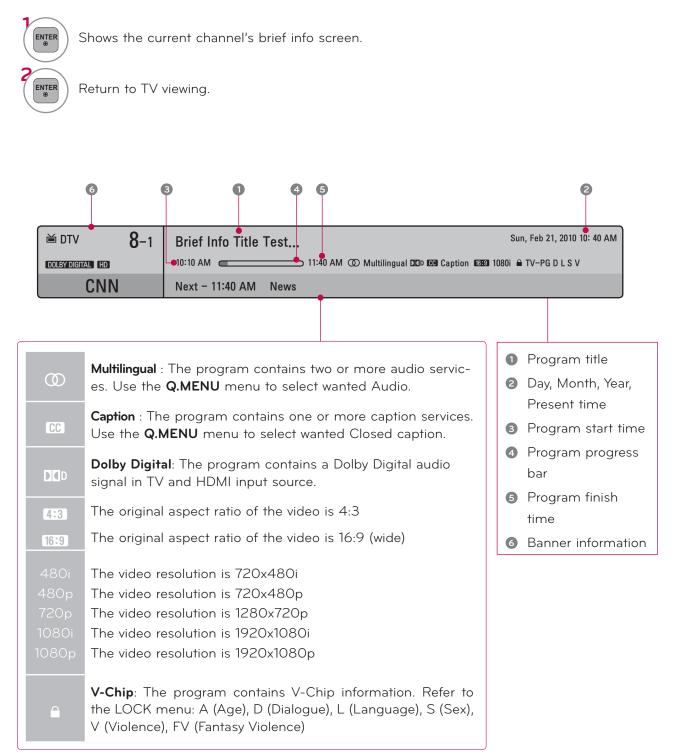
Displaying Channel Information

Show the current channel program Information on the screen.

Show a previous or next channel's program information

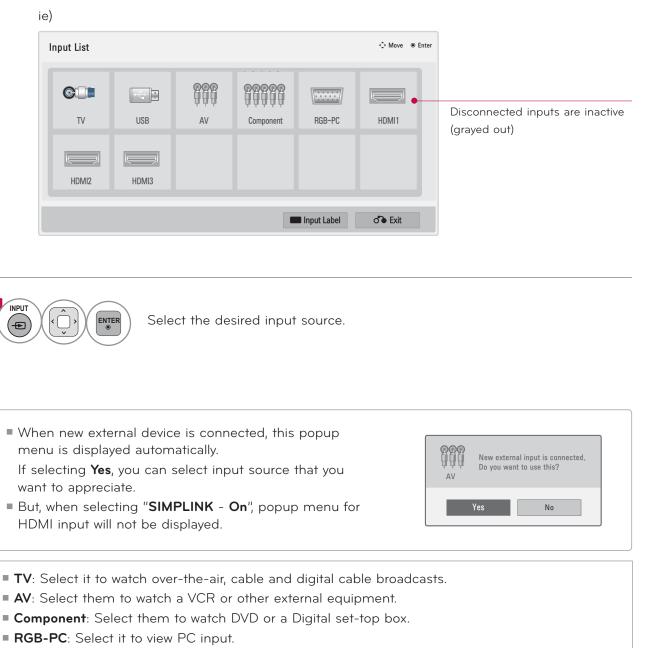
CHANNEL BRIEF INFORMATION

Brief Info shows the present screen information.



INPUT LIST

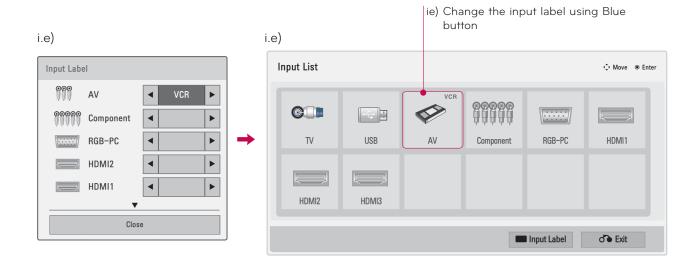
Only these input signals which are connected to a TV can be activated and selected.

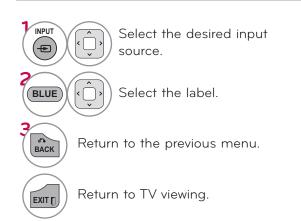


HDMI: Select them to watch high definition devices.

INPUT LABEL

This indicates which device is connected to which input port.

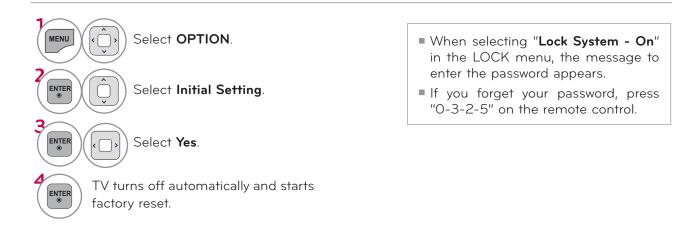




RESET TO FACTORY DEFAULT (INITIAL SETTING)

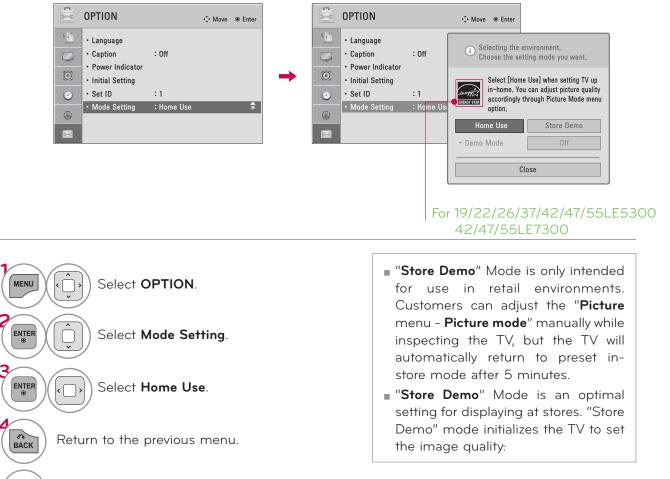
This function resets the TV to factory default and erases all stored channels.

	OPTION	↓ Move ® Enter			OPTION	Move	● Enter	
(• Language			3	• Language			
	Caption	: Off			Caption	: Off		
	Power Indicator				Power Indicator			
\odot	Initial Setting	٢	\rightarrow	\odot	• Initial Setting			s and channel settings will ontinue?
1	• Set ID	: 1		۲	• Set ID	:1		
	Mode Setting	: Home Use			Mode Setting	: Home Use		
6				6				No
				ä				
				I				



MODE SETTING

Default selection is "Home Use". We recommend setting the TV to "Home Use" mode for the best picture in your home environment.



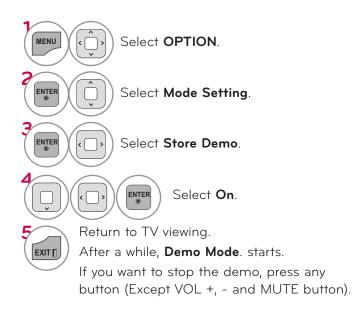
Return to TV viewing.

EXIT []

DEMO MODE

Displays a slide show to explain the various feature of this TV.

 Language Caption : Off Power Indicator Initial Setting Set ID : 1 Mode Setting : Home Use Mode Setting : Home Use Mode Setting : Home Use Mode Setting : Language Mode Setting :	OPTION	Move Enter 	OPTION	↔ Move
	Caption Power Indicator Initial Setting Set ID Mode Setting	:1	Caption Power Indicator Initial Setting Set ID	Choose the setting mode you want. Select [Store Demo] for in-store dsplay. For use in-home, select [Home Use]. Home Use Store Demo



AV MODE

AV Mode toggles through preset Video and Audio settings.





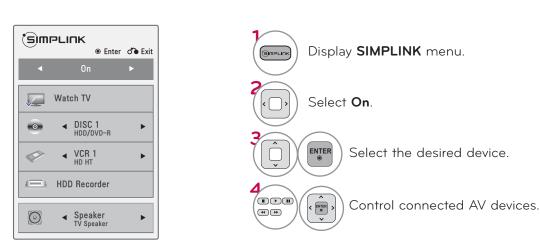
Press the **AV MODE** button repeatedly to select the desired source.

- If you select "Cinema" in AV mode, Cinema will be selected both for "PICTURE 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.
- Off: Disables the AV MODE.
- **Cinema**: Optimizes video and audio for watching movies.
- **Sport**: Optimizes video and audio for watching sports events.
- Game: Optimizes video and audio for playing games.

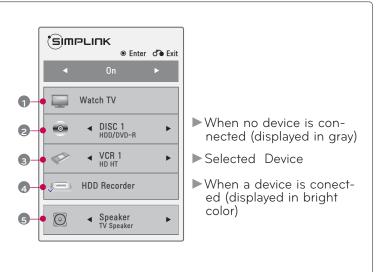
SIMPLINK

SIMPLINK allows you to control and play other AV devices connected with HDMI cable without additional cables and settings. This TV may work with devices with HDMI-CEC support, but only devices with the SIMPLINK logo are fully supported.

SIMPLINK can be turned on and off in the user menus.



- **TV viewing**: Switch to the previous TV channel regardless of the current mode.
- **2 DISC playback**: Select and play discs. When multiple discs are available, the disc devices are conveniently displayed at the bottom of the screen.
- **VCR playback**: Control the connected VCR.
- HDD Recordings playback: Control recordings stored in HDD.
- G Audio Out to Home Theater speaker/ Audio Out to TV: Select Home Theater speaker or TV speaker for Audio Out.



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 the TV.
- Disc playback: Control connected AV devices by pressing the ^ V (>, 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 the equipment with Simplink function connected HDMI terminal starts to play, The TV will automatically turn on.

Note: To operate SIMPLINK, an HDMI cable over Version 1.3 with *CEC function should be used. (*CEC: Consumer Electronics Control).

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

NOTE

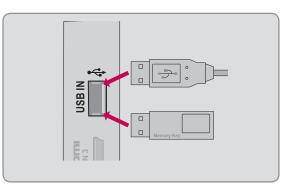
- Connect the HDMI/DVI IN or HDMI IN terminal of the TV to the rear terminal (HDMI terminal) of the SIMPLINK device with the HDMI cable
- When you switch the Input source with the INPUT button on the remote control, the SIMPLINK device will stop.
- When you select a device with home theater functionality, the sound output automatically switches to the home theater speakers and the TV speakers are turned off.
- ▶ 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 SIMPLINK device with an OPTICAL cable.

MY MEDIA

CONNECTION METHOD

USB Connection

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



Precautions when using the USB device

- Only a USB storage device is recognizable.
- Connecting a USB storage device through a USB hub is not supported.
- 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.
- 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 files, image files, or movie files.
- Please use only a USB storage device which was formatted as a FAT 32 or NTFS file system provided with the Windows operating system. Others may not be recognized.
- Some USB storage devices require a power adapter. The power adapter must be connected in order to be seen by the TV.
- ▶ If a device is not recognized by the TV, try a different cable. Excessively long cables are not supported.
- Some USB storage devices may not be supported or operate properly.
- Please backup important files because data on USB device could be damaged. Data management is consumer's responsibility and as a result, the manufacturer does not cover data damage.
- 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.
- In case of USB storage devices formatted as NTFS, deletion is not supported.
- ► File alignment method of USB storage device is similar to Window XP and file names can be up to 100 English characters.
- The recommended capacity is 1TB or less for a USB external hard disk and 32 GB or less for USB memory.
- ▶ If a USB external hard disk with a "Energy Saving" function doesn't work, turn the hard disk off and on again to make it work properly. Refer to the user manual of the USB external hard disk.
- ▶ USB storage devices below USB 2.0 are supported as well. But they may not work properly in the movie list.

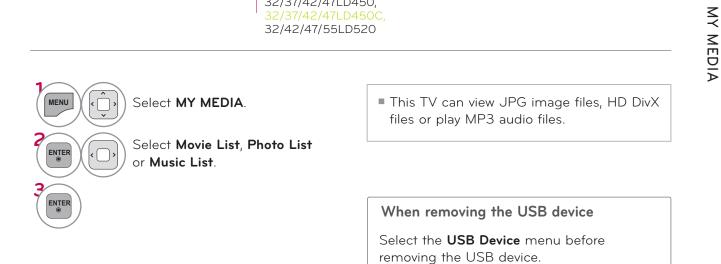
ENTRY MODE

The My Media menu will open automatically when you insert a USB drive. My Media can also be accessed by choosing My Media in the user menu.

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



32/37/42/47LD450, 32/37/42/47LD450C 32/42/47/55LD520



Q.MENU

Select Eject.

Select USB Device.

MY MEDIA

MOVIE LIST

(Except 32/42/47LD420, 32/37/42/47LD450, 32/37/42/47LD450C, 32/42/47/55LD520)

The movie list is activated once a USB drive is detected. It is used when playing movie files on the TV. It displays all of the video files it recognizes.

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

Supported movie file

- Resolution: under 1920 pixel (width) x 1080 pixel (height)
- Frame Rate: under 30 frame/sec (1920x1080), under 60 frame/sec (1280x720)
- Max bitrate of playable video file: 20 Mbps (Mega bit per second)
- Bit rate : within 32 kbps to 320 kbps (MP3)
- Supported external subtitle format: *.smi/*.srt/*.sub (MicroDVD,Subviewer1.0/2.0)/*.ass/*.ssa/*.txt (TMPlayer)/*.psb (PowerDivX)
- Supported Internal subtitle format: only, XSUB (It is the subtitle format used in DivX6 files)

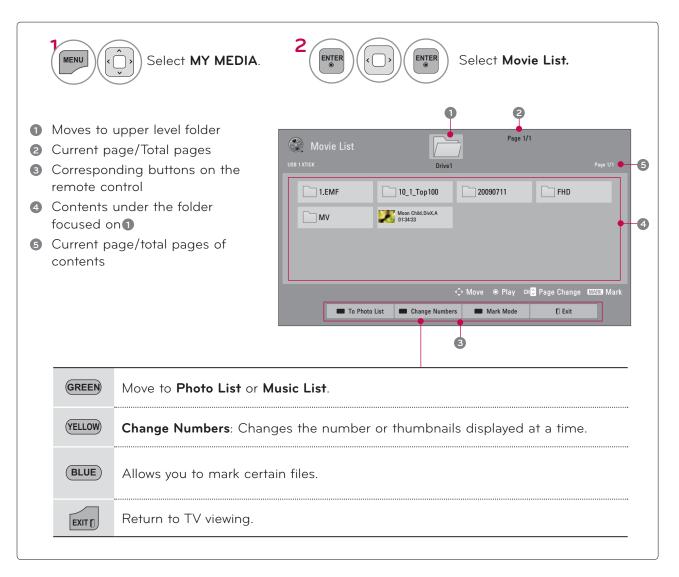
Precautions when playing the video files

- Some user-created subtitles may not work properly.
- Some special characters are not supported in subtitles.
- HTML tags are not supported in subtitles.
- Time information in an external subtitle file should be arranged in ascending order to be played.
- The screen may suffer temporary interruptions (image stoppage, faster playback, etc.) when the audio language is changed.
- A damaged video file may not be played correctly, or some functions may not be usable.
- ▶ Video files produced with some encoders may not be played correctly.
- ▶ If the video and audio structure of recorded file is not interleaved, the file not playback properly.
- Video with resolution higher than maximum resolution supported for each frame, cannot be guaranteed for smooth playback.
- ▶ Video files other than the specified types and formats may not work properly.
- The movie file encoded by the GMC (Global Motion Compensation) is not supported.
- Only 250 Korean characters, 500 letters and 500 numbers are supported for each line of the subtitle.
- Only 10000 sync blocks are supported within the subtitle file.
- We do not guarantee smooth playback of profiles encoded level 4.1 or higher in H.264/AVC.
- ▶ DTS Audio codec is not supported.
- A video file more than 30GB in file size is not supported for playback.
- Playing a video via a USB connection that doesn't support high speed may not work properly.
- ► USB storage devices below USB 2.0 are supported as well. But they may not work properly in the movie list.
- The video file and its subtitle file must be located in the same folder.
- At this time, a video file name and its subtitle file name must be identical for it to be displayed.
 When you are watching a movie via the Movie List function, you can adjust the picture with the ENERGY SAVING and AV MODE button on the remote control. User setup for each picture mode is not supported.

File Extension name	Video Decoder	Audio Codec	Max Resolution
mpg, mpeg	MPEG1, MPEG2	MP2, MP3, Dolby Digital, LPCM	
dat	MPEG1	MP2	
ts, trp, tp	MPEG2, H.264, AVS, VC1	MP2, MP3, Dolby Digital, AAC, HE-AAC	
vob	MPEG1, 2	MP2, MP3, Dolby Digital, LPCM	
mp4, mov	MPEG4,DivX 3.11, DivX 4.12, DivX 5.x, DivX 6, Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2H.264	AAC, HE-AAC, MP3	
mkv	H.264, MPEG-1,2,4	MP2, MP3, Dolby Digital, AAC HE-AAC, LPCM	
divx, avi	MPEG2, MPEG4, DivX 3.11, DivX 4, DivX 5, DivX 6, Xvid 1.00, Xvid 1.01, Xvid 1.02, Xvid 1.03, Xvid 1.10-beta1/2H.264	MP2, MP3, Dolby Digital, LPCM, ADPCM, AAC, HE-AAC	1920 x 1080 @ 30p (Only Motion JPEG 640x480@30p)
Motion JPEG (avi, mp4, mkv)	JPEG	LPCM, ADPCM	
asf, wmv	VC1	WMA	
fl∨	Sorenson H.263, H264	MP3, AAC	

MY MEDIA

Screen Components



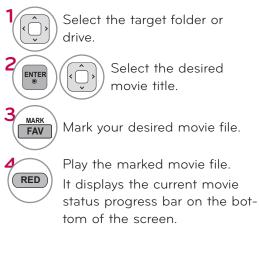
Movie Selection

Page 1/1 Movie List Select the target folder or drive. Drive 1 20090711 ____ 1.EMF FHD 10_1_Top100 Select the desired ENTER Moon Child.DivX.A 01:34:33 movie title. MV ENTER Play the movie file. To Photo List Change Numbers Mark Mode 🗊 Exit • Use the CH ($\land \lor$) button to navigate in the movie page.

Mark Mode

Movie List Mark Mode USB 1 XTICK	Drive 1	Page 1/1 Page 1/1
1.EMF	10_1_Top100	090711
MV	Moon Child,DivX,A 01:34:33	
	<≎ Move	◉ Mark 대 <mark>۞</mark> Page Change MARK Mark
Play Marked	Mark Ali 🔲 Unmark Ali	Exit Mark Mode Di Exit

RED	Play Marked : Play the first selected file. Once a movie finishes playing, the next selected one will be played automatically.
GREEN	Mark All: Mark all files in the folder.
YELLOW	Unmark All: Deselect all marked files.
BLUE	Exit the Mark Mode.



When one or more movie files are marked, the marked movies will be played in sequence.

MY MEDIA

Using the Movie List Function

	Choose options. Set Video Play. Set Video. Set Audio. Close
Show the Option menu.	
	Option values changed in the Movie List does not affect Photo List and Music List
Select Set Video Play., Set Video., or Set Audio.	 Option values changed in Photo List and Music List are changed likewise in Photo List and Music List, but not in the Movie List.
	When replaying a video file after stop- ping, you can play from where it stopped automatically.
	If you select "Yes" when playing the same file after the video file has been stopped, it will restart where it stopped previously.

If continuous series files exist within the folder, the next file will automatically be played. But, this excludes cases when the Repeat function of Movie List Option is turned "On" (Refer to page 85) or when set as Marked Play.

Using the remote control

EXIT	Return to TV viewing.
€ ●	Select the required speed: x2, x4, x8, x16, x32 (backward/forward).
Ш	Pauses the media player. If no buttons are pressed on the remote control for 10 minutes after pausing, the TV returns to the playback state.
	Displays a slow motion.
	Move to a specific frame forward or backward while playing a video. A cursor indi- cating the position can be viewed on the screen. It may not work properly for some movie files.
	Return to normal playback.
BACK	Hide the menu on screen. To see the menu again, press ENTER button to display.
	Press the ENERGY SAVING button repeatedly to increase the brightness of your screen (Refer to p. 104).
AV MODE	Press the AV MODE button repeatedly to select the desired source (Refer to p. 75).

MY MEDIA

Set Video Play Menu Options

Set Video Play. Picture Size Image Audio Language 1 Subtitle 0n · Language Unknow · Code Page Default · Sync 0 · Position 0 · Size Normal Repeat Off		
Audio Language 1 Subtitle On · Language Unknow · Code Page Default · Sync O · Position O · Size Normal	Set Video Play.	
Subtitle	Picture Size	 Full ►
Language Language Code Page Sync Position Size Normal	Audio Language	◀ 1 ►
Code Page Sync Position Size Normal	Subtitle	◀ On ►
Sync O Position Size Normal	• Language	 ✓ Unknow
Position Size Normal	• Code Page	 ■ Default ■
Size Normal	• Sync	◀ 0 ►
	Position	◀ 0 ►
Repeat Off	• Size	◄ Normal ►
	Repeat	■ Off▶
d Previous		d Previous



Select **Picture Size**, **Audio Language**, **Subtitle**, or **Repeat**.

Make appropriate adjustments.

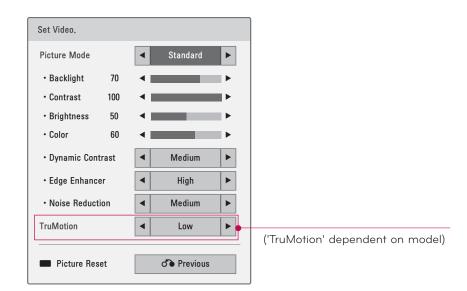
Code Page

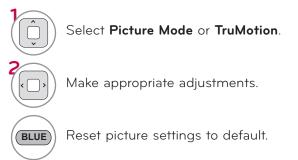
Subtitle Language Group	Supported Language
Latin1	English, Spanish, French
Korean	English, Korean

- **Picture Size**: Selects your desired picture format for videos.
- Audio Language: Changes the Language Group of the audio for video files.
- Subtitle Language: The subtitles can be turned on or off. If there are two or more subtitles, you can select one of them.
- Language: Activated for SMI subtitles and can select the language within the subtitle.
- Code Page: Subtitle font selection. When set to default, same font as general menu will be used.
- **Sync**: When the video is not synchronized with the captions, it can be adjusted by 0.5 second.
- **Position**: Move the location of the subtitles.
- **Size**: Changes the subtitle font size.
- Repeat: Turn on/off repeat function of movie playback. When turned on, the file within the folder will be played back repeatedly.

* Image shown may differ from your TV.

Set Video Menu Options





Set Audio Menu Options

Set Audio.				
Sound Mode	 ✓ Standard 			
Auto Volume	■ Off▶			
Clear Voice II	 ■ Off ▶ 			
Balance				
or Previous				



Select Sound Mode, Auto Volume, Clear Voice II or Balance.

Make appropriate adjustments.

PHOTO LIST

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

Supported photo file: *.JPG

- Baseline: 64 pixel (width) x 64 pixel (height) to 15360 pixel (width) x 8640 pixel (height)
- Progressive: 64 pixel (width) x 64 pixel (height) to 1920 pixel (width) x 1440 pixel (height)
- You can play JPEG files only.
- Non-supported files are displayed in the form of predefined icon.

Screen Components

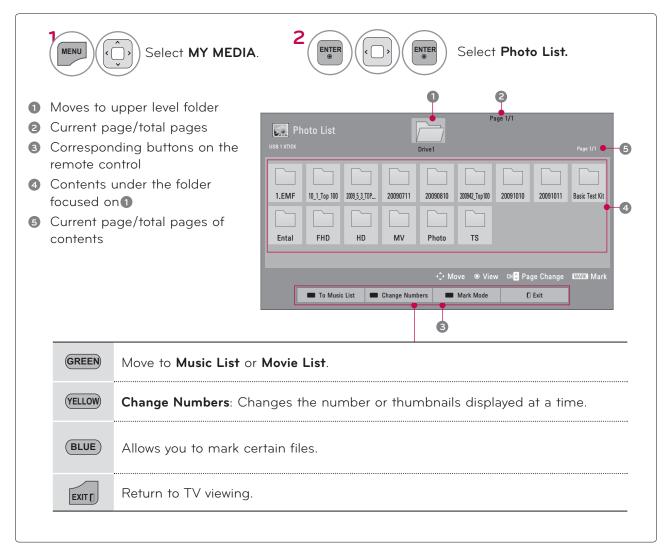
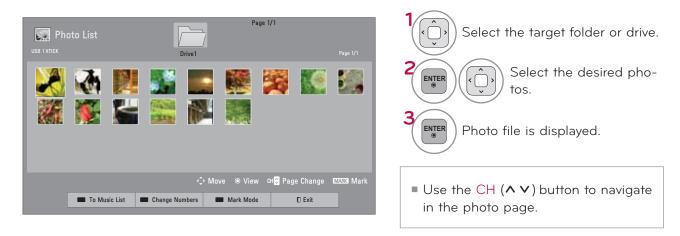


Photo Selection



Mark Mode

Page 1/1 Mark Mode USB IXTOK Drive1 Page 1/1 Page 1/1 Page 1/1 Page 1/1	Select the target folder or drive.
🔀 🐼 💹 🏬 🔤 🖉 🍇	Select the desired photo files.
	Mark your desired photo files.
↔ Move Mark CH Page Change CLARS Mark View Marked Mark All Unmark All Exit Mark Mode [] Exit	RED View the marked photo files.
RED View Marked: Display the selected photo.	When one or more photos are
GREEN Mark All: Mark all photos on the screen.	marked, you can view individual pho- tos or a slide show of the marked
(YELLOW) Unmark All: Deselect all marked photos.	photos. If no photos are marked, you can view all photos individually or all
(BLUE) Exit the Mark Mode.	photos in the folder in a slide show.

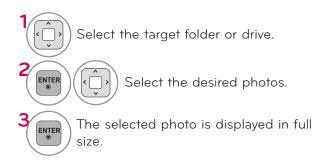
Full Screen Menu

More operations are available in full screen mode.

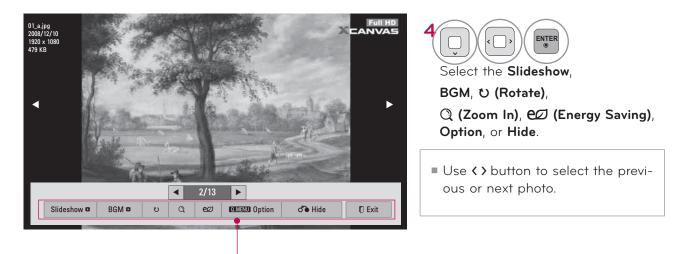




The aspect ratio of a photo may change the size of the photo displayed on the screen in full size.

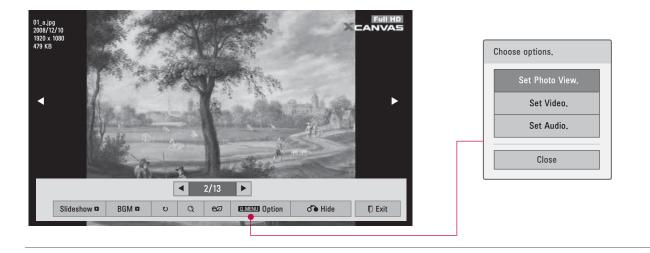


■ Use the CH (∧ ∨) button to navigate in the photo page.



- 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-Set Photo View.** menu (Refer to p. 91).
 - You can adjust **Option** by using the **Q.MENU** button on the remote control.
- **BGM** (Background Music): Listen to music while viewing photos in full size.
 - Set the BGM device and album in **Option-Set Photo View.** menu (Refer to p. 91).
 - You can adjust **Option** by using the **Q.MENU** button on the remote control.
- **U** (Rotate): Rotate photos.
 - Rotates the photo 90 °, 180 °, 270 °, 360 ° clockwise.
 - Photos cannot be rotated if its width is greater than the available supported resolution height.
- \blacktriangleright Q (Zoom In): View the photo by zoom in 2, 4 times by using Blue button.
- ► EØ (Energy Saving): Increase the brightness of your screen by using ENERGY SAVING button.
- > Option: Set values for Slide Speed and Music Album (Refer to p. 91).
 - You cannot change **Music Album** while BGM is playing.
 - Vou can only select the MP3 folder saved on the device that currently displays the photo.
- ▶ Hide: Hide the menu on the full-sized screen.
 - To see the menu again on the full-sized screen, press **ENTER** button to display.
- **Exit**: Move to the previous menu screen.

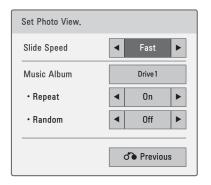
Using the Photo List Function





- Option values changed in Photo List do not affect Movie List and Music List.
- Option values changed in Photo List or Music List are changed likewise in Photo List and Music List, but not Movie List.

Set Photo View Menu Options



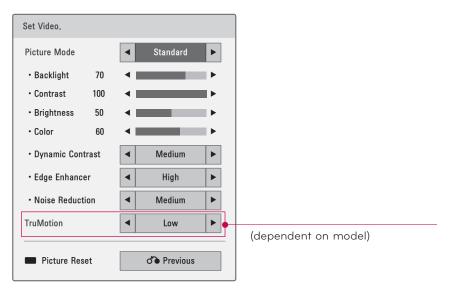


Select Slide Speed or Music Album.

Make appropriate adjustments.

* Image shown may differ from your TV.

Set Video Menu Options



Ĵ	Select Picture Mode or TruMotion .
	Make appropriate adjustments.
BLUE	Initialize the adjusted picture value.

Set Audio Menu Options

Set Audio.	
Sound Mode	 ✓ Standard
Auto Volume	 ■ Off ▶
Clear Voice II	■ Off▶
Balance	0 < L
	or Previous



Select Sound Mode, Auto Volume, Clear Voice II or Balance.

Make appropriate adjustments.

MUSIC LIST

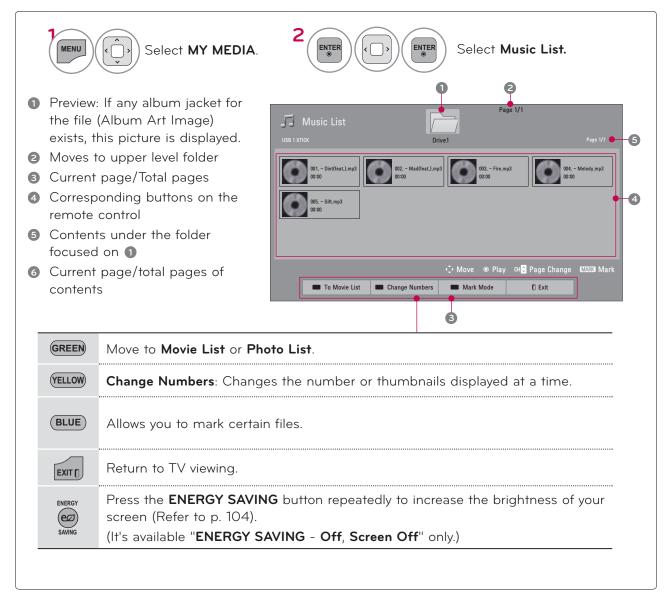
This TV cannot play back copy-protected files.

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

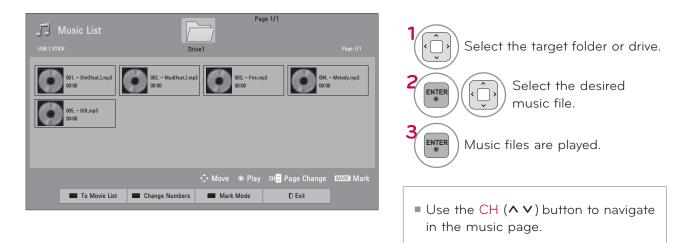
MUSIC (*.MP3) supporting file Bit rate 32 Kbps - 320 Kbps

- Sampling rate MPEG1 Layer3: 32 kHz, 44.1 kHz, 48 kHz
- Sampling rate MPEG2 Layer3: 16 kHz, 22.05 kHz, 24 kHz
- Sampling rate MPEG2.5 Layer3: 8 kHz, 11.025 kHz, 12 kHz

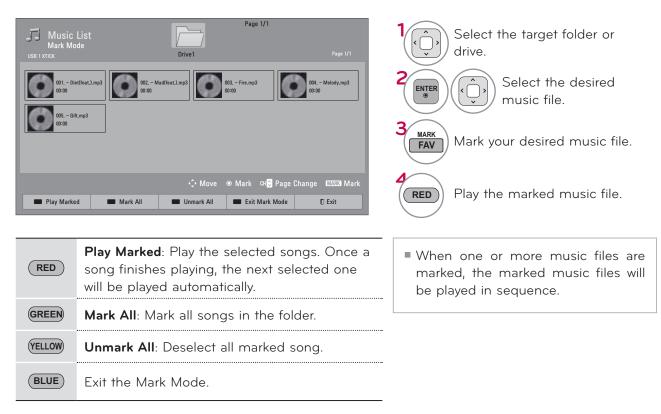
Screen Components



Music Selection



Mark Mode



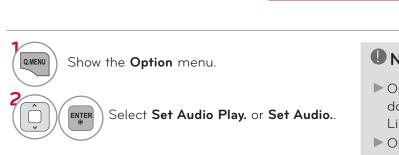
Using the Music List Function

J Music List 3 file(s) Marked

00-00

005. – Mad (Feat).mp3

► II **≪**



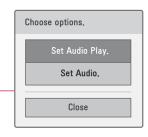
003, - Fire, 00:00

Page 1/1

005. - Gift.mp3 00:00

02:30 / 03:25

▶ ■ Play with Photo 🖾 🕅 🕬 🕬 🕬



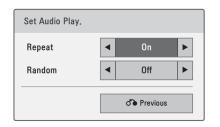
ONOTE

- ▶ Option values changed in Movie List does not affect Photo List and Music List.
- Option value changed in Photo List and Music List are changed likewise in Photo List and Music List excluding Movie List.
- ▶ You can listen to the music only within the device currently played.

Using the remote control

	Stop playback.
	Return to normal playback.
	Paused playback.
	Select the previous or next song.
GREEN	Play with Photo: Start playing the selected songs and then move to the Photo List.
	Press the ENERGY SAVING button repeatedly to increase the brightness of your screen (Refer to p. 104). (It's available " ENERGY SAVING - Off , Screen Off " only.)
< >>	A cursor indicating the position can be played on the screen.
EXIT	Move to the previous menu screen.

Set Audio Play Menu Options

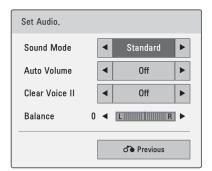




Select Repeat or Random.

Make appropriate adjustments.

Set Audio Menu Options





Select Sound Mode, Auto Volume, Clear Voice II or Balance.

Make appropriate adjustments.

If you don't press any buttons for a while, the play information box will float across the screen. This prevents screen pixel damage due to a fixed image remaining on the screen for a extended period of time.

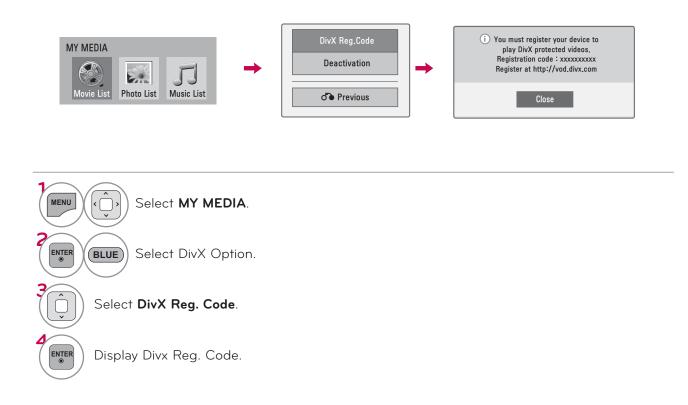
0	002. Velvete Goldmine.mp3 ▶ 00:31 / 04:04	

- Music files with copy-protection will not play.
- ▶ Press ENTER or button to stop the screen saver.

DIVX REGISTRATION CODE

(Except 32/42/47LD420, 32/37/42/47LD450, 32/37/42/47LD450C, 32/42/47/55LD520)

Using the registration number, movies can be rented or purchased at www.divx.com/vod. Only DivX files matched with the registration code of the purchased TV are playable.



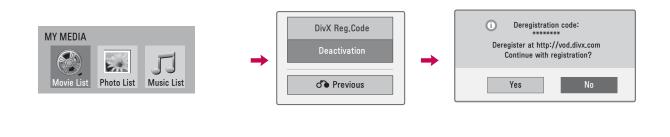
NOTE

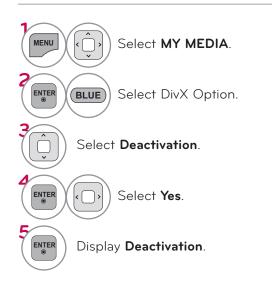
- When loading, some buttons may not work.
- If you use the DivX registration code of another device, the rented or purchased DivX file cannot be played. Therefore always use the DivX registration code assigned to this product.
- The video or audio of a file converted based on a standard other than the DivX codec standard may be corrupted or unable to be played.

DEACTIVATION (Except 32/42/47LD420, 32/37/42/47LD450, 32/37/42/47LD450C, 32/42/47/55LD520)

The purpose of deactivation is to allow deactivation of devices for users who have activated all the available devices through the web server and are blocked from activating more devices. DivX VOD allows the consumer to activate up to 6 devices under one account.

Delete the existing authentication information to receive a new DivX user authentication for TV. Once this function is executed, a DivX user authentication is required again to see DivX DRM files.





М	ODEL	32LD420 (32LD420-UA)
Dimensions (Width x Height x Depth)	With stand	805.0 mm x 583.0 mm x 224.0 mm (31.6 inch x 22.9 inch x 8.8 inch)
	Without stand	805.0 mm x 531.0 mm x 79.9 mm (31.6 inch x 20.9 inch x 3.1 inch)
Weight	With stand	10.8 kg (23.8 lbs)
	Without stand	9.7 kg (21.3 lbs)

MC	DDELS	42LD420 (42LD420-UA)	47LD420 (47LD420-UA)	
Dimensions (Width x Height x Depth) Weight	With stand	1028.0 mm x 715.4 mm x 297.0 mm (40.4 inch x 28.1 inch x 11.6 inch)	1140.6 mm x 784.8 mm x 337.4 mm (44.9 inch x 30.8 inch x 13.2 inch)	
	Without stand	1028.0 mm x 658.6 mm x 87.8 mm (40.4 inch x 25.9 inch x 3.4 inch)	1140.6 mm x 722.9 mm x 99.0 mm (44.9 inch x 28.4 inch x 3.8 inch)	
	With stand	16.6 kg (36.5 lbs)	21.6 kg (47.6 lbs)	
	Without stand	14.8 kg (32.6 lbs)	19.0 kg (41.8 lbs)	
MODELS		32LD450 (32LD450-UA), 32LD450C (32LD450C-UA)	37LD450 (37LD450-UA), 37LD450C (37LD450C-UA)	

I	MODELS		32LD450 (S2LD450-0A), 32LD450C (32LD450C-UA)	37LD450C (37LD450C-UA)	
Dimensions (Width x Height x Depth)	With stand	799.0 mm x 555.0 mm x 207.0 mm (31.4 inch x 21.8 inch x 8.1 inch)	916.0 mm x 625.0 mm x 261.0 mm (36.0 inch x 24.6 inch x 10.2 inch)		
	Without stand	799.0 mm x 506.0 mm x 73.5 mm (31.4 inch x 19.9 inch x 2.8 inch)	916.0 mm x 575.0 mm x 77.4 mm (36.0 inch x 22.6 inch x 3.0 inch)		
	Weight	With stand	9.1 kg (20.0 lbs)	12.5 kg (27.5 lbs)	
		Without stand	8.1 kg (17.8 lbs)	10.8 kg (23.8 lbs)	

MODELS		42LD450 (42LD450-UA), 42LD450C (42LD450C-UA)		47LD450 (47LD450-UA), 47LD450C (47LD450C-UA)	
Dimensions (Width x Height x Depth)	With stand	1023.0 mm x 685.0 mm x 261.0 mm (40.2 inch x 26.9 inch x 10.2 inch)		1136.0 mm x 757.0 mm x 270.0 mm (44.7 inch x 29.8 inch x 10.6 inch)	
	Without stand	1023.0 mm x 635.0 mm x 76.6 mm (40.2 inch x 25.0 inch x 3.0 inch)		1136.0 mm x 698.0 mm x 76.5 mm (44.7 inch x 27.4 inch x 3.0 inch)	
Weight	With stand	15.1 kg (33.2 lbs) 13.5 kg (29.7 lbs)		19.5 kg (42.9 lbs)	
	Without stand			17.5 kg (38.5 lbs)	
Power requirement			AC 100-240 V ~ 50 / 60 Hz		
Television Syste	m		NTSC-M, ATSC, 64 & 256 QAM		
Program Cover	Program Coverage		VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135		
External Antenr	External Antenna Impedance		75 Ω		
Environment	Operating Temperatur	re	0 °C to 40 °C (32 °F to 104 °F)		
condition	Operating Humidity		Less than 80 %		
	Storage Temperature		-20 °C to 60 °C (-4 °F to 140 °F)		

Less than 85 %

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

Storage Humidity

IR CODE

Code (Hexa)	Function	Note	Code (Hexa)	Function	Note
00	СН л	Remote Control Button	во	•	Remote Control Button
01	CH 🗸	Remote Control Button	B1		Remote Control Button
02	VOL +	Remote Control Button	BA	П	Remote Control Button
03	VOL -	Remote Control Button	D6	TV	Discrete IR Code
06	>	Remote Control Button			(TV Input Selection)
07	<	Remote Control Button	C4	POWER ON	Discrete IR Code
08	Ф	Remote Control Button			(Only Power On)
		(Power On/Off)	C5	POWER OFF	Discrete IR Code
09	MUTE	Remote Control Button			(Only Power Off)
OB	INPUT	Remote Control Button	5A	AV or AV1	Discrete IR Code
OF	ΤV	Remote Control Button			(AV1 Input Selection)
10-19	Number 0-9Remote Control ButtonFLASHBKRemote Control ButtonFAV/MARKRemote Control Button		DO	AV2	Discrete IR Code
1A					(AV2 Input Selection)
1E			BF	COMPONENT	Discrete IR Code
28	BACK	Remote Control Button			(Component Input Selection)
30	AV MODE	Remote Control Button	D5	RGB-PC	Discrete IR Code
40	^	Remote Control Button			(RGB-PC Input Selection)
41	V	Remote Control Button	CE	HDMI1	Discrete IR Code
43	MENU	Remote Control Button			(HDMI1 Input Selection)
44	ENTER	Remote Control Button	СС	HDMI2	Discrete IR Code
45	Q.MENU	Remote Control Button			(HDMI2 Input Selection)
4C	- (Dash)/LIST	Remote Control Button	E9	HDMI3	Discrete IR Code
5B	EXIT	Remote Control Button			(HDMI3 Input Selection)
61	BLUE	Remote Control Button	DA	HDMI4	Discrete IR Code
63	YELLOW	Remote Control Button			(HDMI4 Input Selection)
71	GREEN	Remote Control Button	76	Ratio 4:3	Discrete IR Code
72	RED	Remote Control Button			(Only 4:3 Mode)
79	RATIO	Remote Control Button	77	Ratio 16:9	Discrete IR Code
7E	SIMPLINK	Remote Control Button			(Only 16:9 Mode)
8E	₩	Remote Control Button	AF	Ratio Zoom	Discrete IR Code
8F	*	Remote Control Button			(Only Zoom Mode)
95	ENERGY SAVING	Remote Control Button			
AA	INFO	Remote Control Button			

APPENDIX

Use this feature depending on your models.

APPENDIX

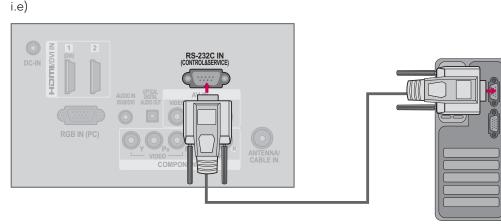
EXTERNAL CONTROL THROUGH RS-232C

The RS-232C port allows you connect the RS-232C input jack to an external control device (such as a computer or an A/V control system) to control the TV's functions externally.

Note: RS-232C on this unit is intended to be used with third party RS-232C control hardware and software.

The instructions below are provided to help with programming software or to test functionality using telenet software.

RS-232C Setup



PC

Type of Connector; D-Sub 9-Pin Male

⊳	
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6	
$\overline{\times}$	

No.	Pin Name
1	No connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	DTR (DTE side ready)
5	GND
6	DSR (DCE side ready)
7	RTS (Ready to send)
8	CTS (Clear to send)
9	No Connection
	5

Communication Parameters

- Baud rate : 9600 bps (UART)
- Data length : 8 bits
- Parity : None
- Stop bit : 1 bit
- Communication code : ASCII code
- Use a crossed (reverse) cable.

This product has command echo back in the RS-232C Command.

RS-232C Configurations

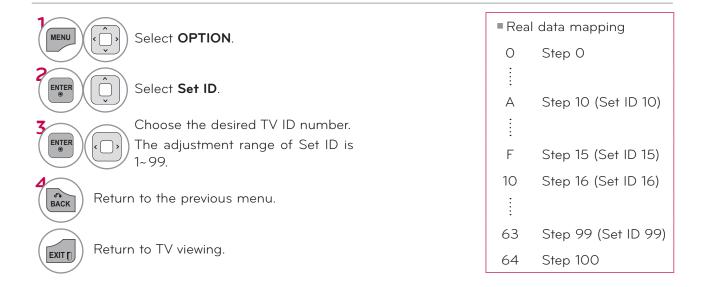
7-Wire Configuration (Serial female-female NULL modem cable)								
	PC	TV						
RXD	2	3	TXD					
TXD	З 👝	2	RXD					
GND	5 📖	6 5	GND					
DTR	4 •	— 6	DSR					
DSR	6 •	— 4	DTR					
RTS	7 •		CTS					
CTS	8 •	— • 7	RTS					
	D-Sub 9	D-Sub 9						

3-Wire Configurations (Not standard)									
PC TV									
RXD	2 •	 3	TXD						
TXD	3 •	• 2	RXD						
GND	5 •	• 5	GND						
DTR	4	6	DTR						
DSR	6	4	DSR						
RTS	7	7	RTS						
CTS	8	8	CTS						
D-Sub 9 D-Sub 9									

Set ID

Use this function to specify a TV ID number. Refer to 'Real Data Mapping'.

	IN 💠	Move			OPTION		<≎ Move	● Enter	
0	-		→		 Language Caption Power Indicator Initial Setting 	: Off			
Set I	•	\$		Ø	Set ID Mode Setting	: 1 : Home U	•	1	Þ
				Ô	mous sound			Close	



APPENDIX

Command Reference List

	01010110		
	COMMAND1	COMMAND2	DATA (Hexadecimal)
01. Power	k	а	00 - 01
02. Input Select	x	b	▶ P.155
03. Aspect Ratio	k	С	▶ P.155
04. Screen Mute	k	d	00 - 01
05. Volume Mute	k	е	00 - 01
06. Volume Control	k	f	00 - 64
07. Contrast	k	g	00 - 64
08. Brightness	k	h	00 - 64
09. Color	k	i	00 - 64
10. Tint	k	j	00 - 64
11. Sharpness	k	k	00 - 64
12. OSD Select	k	1	00 - 01
13. Remote Control Lock Mode	k	m	00 - 01
14. Treble	k	r	00 - 64
15. Bass	k	S	00 - 64
16. Balance	k	†	00 - 64
17. Color Temperature	x	u	00 - 64
18. Energy Saving	j	q	▶ P.156
19. Auto Configuration	j	u	▶ P.156
21. Channel Add/ Del	m	b	00 - 01
22. Key	m	С	▶ P.157
23. Backlight	m	g	00 - 64

	COMMAND1	COMMAND2	DATAOO (Hexadecimal)	DATA01 (Hexadecimal)
20. Channel Tuning	m	а	physical program high	major program low
	DATAO2 (Hexadecimal)	DATAO3 (Hexadecimal)	DATAO4 (Hexadecimal)	DATA05 (Hexadecimal)
	major low	minor high	minor low	attribute

Transmission / Receiving Protocol

Transmission / Receiving Protocol
Transmission
[Command1][Command2][][Set ID][][Data][Cr]
[Command 1] : First command to control the set. (j, k, m or x)
[Command 2] : Second command to control the set.
[Set ID] : You can adjust the set ID to choose desired TV ID number in Setup menu. Adjustment range is 1-99. When selecting Set ID 'O', every connected the TV is con- trolled. Set ID is indicated as decimal (1-99) on menu and as Hexa decimal (OxO - Ox63) on transmission /receiving proto- col.
[DATA] : To transmit the command data. Transmit the 'FF' data to read status of command.
[Cr] : Carriage Return ASCII code '0x0D'
[] : ASCII code 'space (0x20)'
* In this model, TV will not send the status during the standby mode.
OK Acknowledgement
[Command2][][Set ID][][OK][Data][x]
The TV transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates pres- ent status data. If the data is data write mode, it returns the data of the PC computer. * In this model, TV will not send the status during the standby mode. * Data Format
[Command 2] : Use as command. [Set ID] : Use the small character, if set ID is 10, it will send
the 'O', 'a'. [DATA] : Use the small character, if data is 0 x ab, it will
send the 'a', 'b'. [OK] : Use the large character.
Error Acknowledgement
[Command2][][Set ID][][NG][Data][x]
The TV transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors. Data1: Illegal Code
Data2: Not supported function
Data3: Wait more time * In this model, TV will not send the status during the standby mode. * Data Format
* Data Format [Command 2] : Use as command.
[Set ID] : Use the small character, if set ID is 10, it will send the '0', 'a'.
[DATA]. Use the small observator if data is $O x$ ab it will

- [DATA] : Use the small character, if data is 0 x ab, it will send the 'a', 'b'.
- [NG] : Use the large character

01. Power (Command: k a)

To control Power On/Off of the TV.

Transmission [k][a][][Set ID][][Data][Cr]

Data 00: Power Off Data 01: Power On

Acknowledgement [a][][Set ID][][OK/NG][Data][x]

* In a like manner, if other functions transmit 'FF' data based on this format, Acknowledgement data feedback presents status about each function.

* Note: In this model, TV will send the Acknowledge after power on processing completion. There might be a time delay between command and acknowledge.

02. Input Select (Command: x b)

To select input source for TV.

Transmission [x][b][][Set ID][][Data][Cr]

Data 00: DTV (Antenna)

Data 10: Analog (Antenna) Data 11: Analog (Cable)

Data 20: AV or AV1 Data 21: AV 2

Data 40: Component

 Data 60: RGB-PC
 Data 90: HDMI1

 Data 91: HDMI2
 Data 92: HDMI3

Data 93: HDMI4

Acknowledgement [b][][Set ID][][OK/NG][Data][x]

* Use the feature depending on your model.

03. Aspect Ratio (Command: k c)

To adjust the screen format.

Transmission [k][c][][Set ID][][Data][Cr]

Data 01: 4:3Data 09: Just scanData 02: 16:9Data 10: Cinema Zoom1Data 04: Zoom:Data 05: Zoom2Data 1F: Cinema Zoom16Data 06: Set by program

Acknowledgement [c][][Set ID][][OK/NG][Data][x]

04. Screen Mute (Command: k d)

To select screen mute on/off.

Transmission [k][d][][Set ID][][Data][Cr]

Data 00: Screen mute off (Picture on), Video-out Mute off

Data 01: Screen mute on (Picture off)

Data 10: Video-out Mute on

Acknowledgement [d][][Set ID][][OK/NG][Data][x]

* In case of Video-out Mute on only, TV will display On Screen Display (OSD). But, in case of screen mute on, TV will not display On Screen Display (OSD).

05. Volume Mute (Command: k e)

To control volume mute on/off. You can also adjust mute using the MUTE button on remote control.

Transmission [k][e][][Set ID][][Data][Cr]

Data 00: Volume mute on (Volume off)

Data 01: Volume mute off (Volume on)

Acknowledgement [e][][Set ID][][OK/NG][Data][x]

06. Volume Control (Command: k f)

To adjust volume. You can also adjust volume with the volume buttons on remote control.

Transmission [k][f][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [f][][Set ID][][OK/NG][Data][x]

07. Contrast (Command: k g)

To adjust screen contrast. You can also adjust contrast in the PICTURE menu. Transmission [k][g][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [g][][Set ID][][OK/NG][Data][x]

08. Brightness (Command: k h)

To adjust screen brightness.

You can also adjust brightness in the PICTURE menu.

Transmission [k][h][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [h][][Set ID][][OK/NG][Data][x]

09. Color (Command: k i)

To adjust screen color.

You can also adjust color in the PICTURE menu.

Transmission [k][i][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [i][][Set ID][][OK/NG][Data][x]

10. Tint (Command: k j)

To adjust screen tint.

You can also adjust tint in the PICTURE menu.

Transmission [k][j][][Set ID][][Data][Cr]

Data Red: 00 - Green: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [j][][Set ID][][OK/NG][Data][x]

APPENDIX

11. Sharpness (Command: k k)

To adjust screen sharpness.

You can also adjust sharpness in the Picture menu.

Transmission [k][k][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [k][][Set ID][][OK/NG][Data][x]

12. OSD Select (Command: k I)

To select OSD (On Screen Display) on/off. Transmission [k][I][][Set ID][][Data][Cr] Data 00: OSD off Data 01: OSD on Acknowledgement [I][][Set ID][][OK/NG][Data][x]

13. Remote Control Lock Mode (Command: k m)

To lock the remote control and the front panel controls on the set.

Transmission [k][m][][Set ID][][Data][Cr]

Data 00: Lock off Data 01: Lock on

Acknowledgement [m][][Set ID][][OK/NG][Data][x]

If you're not using the remote control and front panel controls on the TV, use this mode. When main power is on/off, remote control lock is released.

If Key Lock is on in the standby mode, TV will not turn on by POWER button of remote control and on the TV.

14. Treble (Command: k r)

To adjust treble.

You can also adjust treble in the Audio menu.

Transmission [k][r][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [r][][Set ID][][OK/NG][Data][x]

15. Bass (Command: k s)

To adjust bass.

You can also adjust bass in the Audio menu.

Transmission [k][s][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code)

*Refer to 'Real data mapping'.

Acknowledgement [s][][Set ID][][OK/NG][Data][x]

16. Balance (Command: k t)

To adjust balance.

You can also adjust balance in the Audio menu.

Transmission [k][t][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [t][][Set ID][][OK/NG][Data][x]

17. Color Temperature (Command: x u)

To adjust color temperature. You can also adjust color temperature in the Picture menu.

Transmission [x][u][][Set ID][][Data][Cr]

Data Min: 00 - Max: 64 (*transmit by Hexadecimal code) *Refer to 'Real data mapping'.

Acknowledgement [u][][Set ID][][OK/NG][Data][x]

18. Energy Saving (Command: j q)

To control the energy saving function.

Transmission [j][q][][Set ID][][Data][Cr]

Data 00: Energy saving - off

- 01: Energy saving Minimum
- 02: Energy saving Medium
- 03: Energy saving Maximum
- 04: Energy saving Auto (depending on model)
- 05: Energy saving Screen off

Acknowledgement [q][][Set ID][][OK/NG][Data][x]

19. Auto Configuration (Command: j u)

To adjust picture position and minimize image shaking automatically. Auto configuration only works in RGB-PC mode.

Transmission [j][u][][Set ID][][Data][Cr]

Data 01: To set

Acknowledgement [u][][Set ID][][OK/NG][Data][x]

20. Channel Tuning (Command: m a)

To tune channel to following physical/major/minor number.

Transmission [m][a][][Set ID][][DataOO][][DataO1]

[][Data02][][Data03][][Data04][][Data05][Cr]

Digital channels have a Physical, Major, and Minor channel number. The Physical number is the actual digital channel number, the Major is the number that the channel should be mapped to, and the Minor is the sub-channel. Since the ATSC tuner automatically maps the channel to the Major number, the Physical number is not required when sending a command.

Data 00: Physical Channel Number

NTSC air: 02 - 45, NTSC cable: 01, 0E - 7D

ATSC air: 01 - 45, ATSC cable: 01 - 87

Data 01 & 02: Major Channel Number

Data 01: High byte Da

Data 02: Low byte

Two bytes are available for the Major and Minor, normally only the second byte is used.

Data 03 & 04: Minor Channel Number

Not needed for NTSC.

Data5:	7 Main/Sub Picture	6 Two/One Part Channel	5 Using Physical Channel	4 Reserved	3	2	1	0	Step
	0 Main	0 Two	0 Use	×	0	0	0	0	NTSC Air
	1 Sub	1 One	1 No Use	×	0	0	0	1	NTSC Cable
				×	0	0	1	0	ATSC Air
				×	0	0	1	1	ATSC Cable_std
				×	0	1	0	0	ATSC Cable_hrc
				×	0	1	0	1	ATSC Cable_irc
				×	0	1	1	0	ATSC cable_auto
				×	0	1	1	1	Reserved
				X	×	×	×	×	
				×	1	1	1	1	Reserved

The table above lists the binary code which must be converted to Hexadecimal before sending. For example: The binary code to tune the sub source to an NTSC cable channel is "1000 0001", which translates to "81" in Hex.

- * 7th bit : For which source do you want to change the channel.
- * 6th bit: Use a two part or one part channel. Most cases just use 0 since it's ignored when using NTSC.
- * 5th bit: Use 0 with NTSC since it can only use the physical channel number. Normally use 1 for ATSC since most times it doesn't matter what the physical number is.
- * 4th bit: Set to 0.
- * 3-0 bits: Choose signal type.

*Tune Command Examples:

- 1. Tune to the analog (NTSC) cable channel 35. Data 00 = Physical of 35 = 23
 - Data 01 & 02 = No Major = 00 00
 - Data 03 & 04 = No Minor = 00 00
 - Data 05 = 0000 0001 in binary = 01
 - Total = ma 00 23 00 00 00 00 01
- 2. Tune to the digital (ATSC) local channel 30-3. Data 00 = Don't know Physical = 00 Data 01 & 02 = Major is 30 = 00 1E
- Data 03 & 04 = Minor is 3 = 00 03
- Data 05 = 0010 0010 in binary = 22
- Total = ma 00 00 00 1E 00 03 22

21. Channel Add/Del (Command: m b)

To add and delete the channels. Transmission [m][b][][Set ID][][Data][Cr] Data 00: Channel DeleteData 01: Channel Add Acknowledgement [b][][Set ID][][OK/NG][Data][x]

22. Key (Command: m c)

To send IR remote control code.

Transmission [m][c][][Set ID][][Data][Cr] See page 151.

Acknowledgement [c][][Set ID][][OK/NG][Data][x]

When TV is in the standby mode, TV will turn on by POWER button of remote control only.

23. Backlight (Command: m g)

To adjust screen backlight.

Transmission [m][g][][Set ID][][Data][Cr]

Data Min:00 ~ Max:64 (*transmit by Hexadecimal code)

*Refer to 'Real data mapping'.

Acknowledgement [g][][Set ID][][OK/NG][Data][x]

APPENDIX

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Version 2, June 1991

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Version 1.1

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APPENDIX

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NOTE: The text of this exhibit A may differ slightly from the text of the notices in the source code files of the original code. You should use the text of this exhibit A rather than the text found in the original code/source code for Your modifications.

:: FCC Compliance Statement

This equipment has been tested and found to comply within the limits of 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 on and off), the user is encouraged to try to correct the interference by using one or more of the following measures:

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

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's (or your) authority to operate the equipment. Only peripherals (digital input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this monitor. Operation with non-certified peripherals is likely to result in interference to radio and TV reception. Only shielded signal cables may be used with this System.

NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

:: Canadian DOC Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

NOTICE The regulations are applied only to the products with the ID LABEL indicating specific requirements.

CE Conformity Notice (for Europe)

Products with the "CE" Marking comply with the EMC Directive(89/336/EEC) and LOW VOLTAGE Directive (73/23/EEC) issued by the Commission of the European Community.

Complance with these directives implies conformity to the following European Norms :

- EN 55022 ; Radio Frequency Interference
- EN 55024 ; Electromagnetic Immunity
- EN 61000-3-2 ; Power Line Harmonics
- EN 61000-3-3 ; Voltage Fluctuations
- EN 60950-1 ; Product Safety

NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

:: Low Radiation Compliance (MPR II)

This monitor meets one of the strictest guidelines available today for low radiation emissions, offering the user extra shielding and an antistatic screen coating. These guidelines, set forth by a government agency in Sweden, limit the amount of emission allowed in the Extremely Low Frequency (ELF) and Very Low Frequency (VLF) electromagnetic range.

:: TCO'99 (TCO'99 applied model only)



Congratulations!

You have just purchased a TCO'99 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

Why do we have environmentally labelled computers? In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. With the growing manufacture and usage of electronic equipment throughout the world, there is a recognized concern for the materials and substances used by electronic products with regards to their eventual recycling and disposal. By proper selection of these materials and substances, the impact on the environment can be minimized.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Electronic equipment in offices is often left running continuously, resulting in unnecessary consumption of large amounts of energy and additional power generation. From the standpoint of carbon dioxide emissions alone, it is vital to save energy.

What does labelling involve?

The product meets the requirements for the TCO'99 scheme which provides for international and environmental labelling of personal computers and/or displays. The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation) and Statens Energimyndighet (The Swedish National Energy Administration).

Approval requirements cover a wide range of issues: ecology, ergonomics, emission of electrical and magnetical fields, energy consumption and electrical safety.

Ecological criteria impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, and other substances. The product must be prepared for recycling and the manufacturing site(s) shall be certified according to ISO14001 or EMAS registered.

Energy requirements include a demand that the system unit and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the system unit shall be reasonable for the user.

Labelled products must meet strict environmental demands, for example, in respect of the reduction of electrical and magnetical fields as well as work load and

visual ergonomics.

Below you will find a brief summary of the ecological requirements met by this product. The complete ecological criteria document can be found at TCO Development's website http://www.tcodevelopment.com or may be ordered from:

TCO Development

SE-114 94 STOCKHOLM, Sweden Fax: +46 8 782 92 07 Email : development@tco.se Information regarding TCO'99 approved and labelled products may also be obtained at http://www.tcodevelopment.com

Ecological requirements

Flame retardants

Flame retardants may be present in printed wiring board laminates, cables, and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% by weight of the plastic in a computer casing can consist of flame retardant substances. Many flame retardants contain bromine or chlorine, and these flame retardants are chemically related to PCBs (polychlorinated biphenyls). Both the flame retardants containing bromine or chlorine and the PCBs are suspected of giving rise to health effects, including reproductive damage in fisheating birds and mammals, due to the bio-accumulative* processes when not disposed of in accordance with strict standards for disposal.

TCO'99 requires that plastic components weighing more than 25 grams shall not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed wiring board laminates due to the lack of commercially available alternatives.

Cadmium**

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. TCO'99 requires that batteries, the colour-generating layers of display screens, and the electrical or electronics components shall not contain any cadmium.

Mercury**

Mercury is sometimes found in batteries, relays and switches. TCO'99 requires that batteries shall not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit. There is however one

exception. Mercury is, for the time being, permitted in the back light system of flat panel monitors as there today is no commercially available alternative. TCO aims on removing this exception when a mercury free alternative is available.

Lead**

Lead can be found in picture tubes, display screens, solders and capacitors. TCO'99 permits the use of lead due to the lack of commercially available alternatives, but in future requirements TCO Development aims at restricting the use of lead.

* Bio-accumulative is defined as substances which accumulate in living organisms.

**Lead, Cadmium and Mercury are heavy metals which are bio-accumulative.

:: TCO'03 (TCO'03 applied model only)



Congratulations!

The display you have just purchased carries the TCO'03 Displays label.

This means that your display is designed,manufactured and tested according to some of the strictest quality and environmental requirements in the world. This makes for a high performance product, designed with the user in focus that also minimizes the impact on our natural environment. Some of the features of the TCO'03 Display requirements:

Ergonomics

 Good visual ergonomics and image quality in order to improve the working environment for the user and to reduce sight and strain problems. Important parameters are luminance, contrast, resolution, reflectance, colour rendition and image stability.

Energy

- Energy-saving mode after a certain time beneficial both for the user and the environment
- Electrical safety

Emissions

Electromagnetic fields

Noise emissions

Ecology

- The product must be prepared for recycling and the manufacturer must have a certified environmental management system such as EMAS or ISO 14 001
- Restrictions on
 - chlorinated and brominated flame retardants and polymers
 - heavy metals such as cadmium, mercury and lead.

The requirements included in this label have been developed by TCO Development in co-operation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user-friendly direction. Our labelling system started with displays in 1992 and is now requested by users and IT-manufacturers all over the world.

For more information, please visit www.tcodevelopment.com

English

Information for Environmental Preservation

LGE. announced the 'LG Declaration for a Cleaner Environment' in 1994, and this ideal has served as a guiding managerial principle ever since. The Declaration is a foundation that has allowed us to undertake environmentally friendly activities in careful consideration of economic, environmental, and social aspects.

We promote activities for environmental preservation, and we specifically develop our products to embrace the concept of environment-friendly.

We minimize the hazardous materials contained in our products. For example, there is no cadmium to be found in our monitors.

Information for recycling

This monitor may contain parts which could be hazardous to the environment. It is important that this monitor be recycled after use.

LGE. handles all waste monitors through an environmentally acceptable recycling method. There are several take-back and recycling systems currently in

operation worldwide. Many parts will be reused and recycled, while harmful substances and heavy metals are treated by an environmentally friendly method.

If you want to find out more information about our recycling program, please contact your local LG vendor or a corporate representative of LG.

We set our vision and policies on a cleaner world by selecting the issue of the global environment as a task for corporate improvement. Please visit our website for more information about our 'green' policies.

http://www.lge.com/about/environment/html/Recycling.jsp

Deutsch

Informationen zur Erhaltung der Umwelt

Im Jahr 1994 verkündete LGE die 'LG Declaration for a Cleaner Environment' (LG Erklärung für eine sauberere Umwelt). Seitdem dient dieses Ideal als führendes Prinzip des Unternehmens. Diese Erklärung war die Basis für die Durchführung von

umweltfreundlichen Aktivitäten, wobei wirtschaftliche, umweltbezogene und soziale Aspekte in die

Überlegungen mit einbezogen wurden.

Wir fördem Aktivitäten zum Schutz der Umwelt und die Entwicklung unserer Produkte ist darauf ausgerichtet, unserem Konzept bezüglich Umweltfreundlichkeit gerecht zu werden.

Wir sind darauf bedacht, den Anteil der in unseren Produkten enthaltenen schädlichen Materialien zu minimieren. So ist in unseren Monitoren beispielsweise kein Kadmium zu finden.

Informationen zum Thema Recycling

Dieser Monitor enthält Teile, die umweltschädlich sein können. Es ist unbedingt erforderlich, dass der Monitor recycelt wird, nachdem er außer Dienst gestellt wurde.

Bei LGE. werden alle ausrangierten Monitore in einem unter umweltbezogenen Aspekten geeigneten Verfahren recycelt. Augenblicklich sind weltweit mehrere Rücknahme- und Recyclingsysteme im Einsatz. Viele Teile werden wieder verwendet und recycelt. Schädliche Substanzen und Schwermetalle werden durch umweltverträgliche Verfahren behandelt.

Falls Sie mehr über unser Recyclingprogramm erfahren möchten, wenden Sie sich bitte an Ihren lokalen LG-Händler oder einen Unternehmensvertreter von LG.

Wir richten unsere Firmenpolitik auf eine sauberere Umwelt hin aus, indem wir umweltspezifische Aspekte als wichtigen Punkt in die Weiterentwicklung unseres Unternehmens einfließen lassen. Zusätzliche

Informationen über unsere 'grüne' Firmenpolitik erhalten Sie auf unserer Website.

http://www.lge.com/about/environment/html/Recycling.jsp

Français

Information sur la protection del'environnement

LGE. a publié sa 'Déclaration en faveur d'un environnement plus propre' en 1994 et celle-ci est restée, depuis lors, un principe directeur de notre entreprise. Cette déclaration a servi de base à notre réflexion et nous a permis de prendre en compte à la fois les aspects économiques et sociaux de nos activités, tout en respectant l'environnement.

Nous encourageons les activités en faveur de la préservation de l'environnement et c'est dans cet esprit que nous développons nos produits : nous réduisons au minimum les matières dangereuses qui entrent dans leur composition et l'on ne trouve pas de cadmium, par exemple, dans nos moniteurs.

Information sur le recyclage

Ce moniteur peut contenir des composants qui présentent un risque pour l'environnement. Il est donc important que celui-ci soit recyclé après usage.

LGE. traite les moniteurs en fin de cycle conformément à une méthode de recyclage respectueuse de l'environnement. Nous reprenons nos produits et les recyclons dans plusieurs sites répartis dans le monde entier. De nombreux composants sont réutilisés et recyclés, et les matières dangereuses, ainsi que les métaux lourds, sont traités selon un procédé écologique. Si vous souhaitez plus de renseignements sur notre programme de recyclage, veuillez contacter votre revendeur LG ou un l'un de nos représentants.

Nous voulons agir pour un monde plus propre et croyons au rôle de notre entreprise dans l'amélioration de l'environnement. Pour plus de renseignements sur notre politique "verte", rendez visite à notre site :

http://www.lge.com/about/environment/html/Recycling.jsp

Italiano

Informazioni per la tutela dell'ambiente

La LGE. ha annunciato nel 1994 la cosiddetta 'LG Declaration for a Cleaner Environment' (Dichiarazione di LG a favore di un ambiente più pulito), un ideale che da allora funge da principio ispiratore della gestione aziendale. La dichiarazione rappresenta il fondamento che consente di intraprendere attività a favore dell'ambiente tenendo conto degli aspetti economici, ambientali e sociali.Noi della LG, promuoviamo attività a favore della tutela dell'ambiente sviluppando appositamente i nostri prodotti per cogliere il concetto del rispetto dell'ambiente riducendo i materiali dannosi presenti nei nostri prodotti. Ad esempio nei nostri monitor non è presente il cadmio.

Informazioni per il riciclaggio

Il monitor può presentare componenti che potrebbero risultare eventualmente dannosi per l'ambiente. È importante che il monitor sia riciclato al termine del suo utilizzo.

La LGE. gestisce tutti i monitor di rifiuto con un metodo di riciclaggio soddisfacente dal punto di vista ambientale. In tutto il mondo sono attualmente in funzione numerosi sistemi di riciclaggio e recupero. I diversi componenti sono riutilizzati e riciclati, mentre le sostanze dannose e i metalli pesanti vengono trattati con un metodo rispettoso dell'ambiente.

Se si desiderano maggiori informazioni in merito al programma di riciclaggio, è consigliabile rivolgersi al proprio rivenditore LG o ad un rappresentante aziendale della LG.

Noi della LG impostiamo la nostra visione e le nostre politiche a favore di un mondo più pulito ponendo la questione dell'ambiente dal punto di vista globale come una mansione rivolta al miglioramento della nostra azienda. Vi invitiamo a visitare il nostro sito internet per ulteriori informazioni sulla nostra politica "verde".

http://www.lge.com/about/environment/html/Recycling.jsp

Espanõl

Información para la conservación medioambiental

LGE. presentó la 'Declaración para un entorno más limpio de LG' en 1994 y este ideal ha servido para guiar nuestros principios empresariales desde entonces. La Declaración es la base que nos ha permitido llevar a cabo tareas que respetan el medio ambiente siempre teniendo en cuenta aspectos sociales,

económicos y medioambientales.

Promocionamos actividades orientadas a la conservación del medio ambiente y desarrollamos nuestros productos específicamente para que se ajusten a la filosofía que protege el entorno.

Reducimos al máximo el uso de materiales de riesgo en nuestros productos. Un ejemplo de ello es la ausencia total de cadmio en nuestros monitores.

Información para el reciclaje

Este monitor puede contener piezas que entrañen riesgos medioambientales. Es importante reciclar este monitor después de su utilización.

LGE. trata todos los monitores usados siguiendo un método de reciclaje que no daña al entorno. Contamos con diversos sistemas de recuperación y reciclaje que funcionan a nivel mundial en la actualidad. Es posible reciclar y reutilizar muchas de las piezas, mientras que las sustancias dañinas y los metales pesados se tratan siguiendo un método que no perjudique al medio ambiente. Si desea obtener más información acerca del programa de reciclaje, póngase en contacto con su proveedor local de LG o con un representante empresarial de nuestra marca.

Basamos nuestra visión y nuestras políticas en un mundo más limpio y para ellos optamos por un entorno global como tarea principal de nuestra evolución como empresa. Visite nuestra página Web para obtener más información sobre nuestras políticas ecológicas.

http://www.lge.com/about/environment/html/Recycling.jsp

Português

Informações relacionadas à preservação ambiental

A LGE. anunciou a 'LG Declaration for a Cleaner Environment' (Declaração da LG para um ambiente mais limpo) em 1994 e esse ideal tem servido desde então como um princípio administrativo de orientação. A Declaração é a base que nos tem permitido realizar atividades favoráveis ao ambiente com consideração atenta aos aspectos econômicos, ambientais e sociais.

Promovemos atividades de preservação ambiental e desenvolvemos nossos produtos para englobar

especificamente o conceito de favorável ao ambiente. Reduzimos os materiais perigosos contidos em nossos produtos. Por exemplo, não há cádmio em nossos monitores.

Informações relacionadas à reciclagem

Este monitor pode conter peças que podem representar riscos ao ambiente. É importante que ele seja reciclado após o uso.

A LGE. cuida de todos os monitores descartados através de um método de reciclagem agradável ao ambiente. Há vários sistemas de devolução e reciclagem atualmente em operação no mundo. Muitas peças serão reutilizadas e recicladas e as substâncias nocivas e os metais pesados passarão por tratamento através de um método favorável ao ambiente.

Para obter mais informações sobre nosso programa de reciclagem, entre em contato com seu fornecedor LG local ou com um representante corporativo da LG.

Definimos nossa visão e nossas políticas relacionadas a um mundo mais limpo selecionando a questão do ambiente global como uma tarefa de aprimoramento corporativo. Visite nosso site para obter mais informações sobre nossas políticas de meio ambiente.

http://www.lge.com/about/environment/html/Recycling.jsp

Nederlands

Informatie met betrekking tot het behoud van het milieu

LGE. publiceerde in 1994 de 'LG Declaration for a Cleaner Environment' (de LG-verklaring met betrekking tot een schoner milieu). Deze verklaring en het ideaal van een schoner milieu fungeren sindsdien als een bestuurlijke leidraad voor onze onderneming. Op basis van deze verklaring ontplooien wij milieuvriendelijke activiteiten, waarbij er zowel met sociale en economische aspecten, als met milieuaspecten zorgvuldig rekening wordt gehouden.

Wij ondersteunen activiteiten die zijn gericht op het behoud van het milieu en wij houden bij het ontwikkelen onze producten specifiek rekening met de milieuvriendelijkheid van onze producten.

milieuvnendelijkrield van onze producten.

Wij minimaliseren het gebruik van schadelijke stoffen in onze producten. Er wordt bijvoorbeeld geen cadmium verwerkt in onze monitors.

Informatie met betrekking tot recycling

Deze monitor bevat materialen die schadelijk zouden kunnen zijn voor het milieu. Het is belangrijk dat deze monitor aan het einde van zijn levensduur wordt gerecycled.

LGE. verwerkt alle afvalmonitors via een milieuvriendelijke recyclingmethode. Hiervoor worden er momenteel wereldwijd verscheidene inname- en recyclingsystemen gehanteerd. Een groot aantal onderdelen wordt opnieuw gebruikt en gerecycled, waarbij schadelijke stoffen en zware metalen volgens een milieuvriendelijke methode worden verwerkt.

Voor meer informatie over ons recyclingprogramma kunt u contact opnemen met uw plaatselijke LG-vertegenwoordiger of een LG-vestiging.

Onze visie en ons beleid met betrekking tot een schonere

wereld vloeien voort uit het feit dat wij het milieu hebben aangemerkt als een onderwerp dat speciale aandacht verdient binnen onze onderneming. Bezoek onze website voor meer informatie over ons 'groene' beleid.

http://www.lge.com/about/environment/html/Recycling.jsp

Russian

Информация по охране окружающей среды

В 1994 году корпорация LGE опубликовала 'Декларацию LG по охране окружающей среды', которая с тех пор служит основным принципом управления. На основе этой декларации мы смогли предпринять действия, обеспечивающие

безопасность окружающей среды, уделяя при этом должное внимание экономическим, экологическим и социальным аспектам.

Мы стимулируем деятельность по охране окружающей среды, уделяя особое внимание разработке нашей продукции в соответствии с концепцией экологической безопасности.

Мы сводим к минимуму содержание опасных веществ в нашей продукции. Например, в наших мониторах вы не найдете кадмия.

Информация по утилизации отходов

Этот монитор может содержать компоненты, которые могут нанести ущерб окружающей среде.

Необходимо утилизировать монитор после использования.

Корпорация LGE перерабатывает все бракованные мониторы с помощью экологически приемлемого метода утилизации отходов. По всему миру действуют системы утилизации отходов и возврата использованной продукции. Многие компоненты будут вторично использованы и утилизированы, в то время как вредные вещества и тяжелые металлы будут обработаны с помощью экологически приемлемого метода.

За более подробной информацией по нашей программе утилизации отходов обращайтесь к местному поставщику или представителю

корпорации LG.

Мы ориентируемся на обеспечение экологической безопасности, ставя себе целью глобальную защиту окружающей среды. Дополнительную информацию о нашей политике по охране окружающей среды вы можете найти на нашем сайте:

http://www.lge.com/about/environment/html/Recycling.jsp

한국어

환경 보존 정보

LG 전자는 1994년 'LG 환경 선언문'을 발표한 후 현재까지 이를 기업 경영의 이념으로 삼이왔습니다. 이 선언문을 바탕으로 LG 전자는 모든 경영 활동에서 경제성뿐만 아니라 환경성 및 사회성을 주요 의사 결정의 기준으로 삼음으로써 지속적으로 환경 친회적인 경영을 전개하고 있습니다.

본사는 보다 활발한 환경 보존 활동과 더불어 환경 친회적 제품 개발에 주력해 왔습니다.

또한 제품에 포함되는 환경 위해 요소를 최소화하는 데에도 노력을 게을리하지 않고 있습니다. LG 전자 모니터의 경우 카드뮴을 전혀 사용하지 않는 것에서도 이러한 노력을 알 수 있습니다.

재활용 정보

본 모니터에는 환경에 위해를 주는 부품이 포함되어 있을 수도 있습니다. 따라서 사용이 끝난 모니터는 재활용하는 것이 좋습니다.

폐모니터는 모두 환경 친회적 방식으로 처리됩니다. 현재 세계적으로 운영되고 있는 회수 및 재활용 시스템에는 여러 가지가 있습니다. 대부분의 부품의 경우 재사용 또는 재활용되지만 환경 위해 물질과 중금속은 환경 친화적 방법으로 처리됩니다.

본사의 재활용 프로그램에 대한 자세한 정보는 각 지역의 LG 공급업체나 LG 기업 대표부에 문의하시기 바랍니다.

LG 전자는 기업 개선 정책의 하나로 지구 환경 문제를 채택함으로써 보다 나은 환경을 만들어 나가기 위한 비전과 정책을 수립했습니다. 본사의 친환경 정책에 대한 자세한 정보를 보시려면 아래의 웹 사이트를 방문하십시오.

http://www.lge.co.kr/cokr/about/environ/purity_02.jsp

EPA (EPA applied model only)

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



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

::NOM MARK (Mexico only)





English

Disposal of your old appliance

- When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
- 2.All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
- The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
- 4.For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

French

Élimination de votre ancien appareil

- 1.Ce symbole, représentant une poubelle sur roulettes barrée d'une croix, signifie que le produit est couvert par la directive européenne 2002/96/EC.
- Les éléments électriques et électroniques doivent être jetés séparément, dans les videordures prévus à cet effet par votre municipalité.
- 3.Une élimination conforme aux instructions aidera à réduire les conséquences négatives et risques éventuels pour l'environnement et la santé humaine.
- 4.Pour plus d'information concernant l'élimination de votre ancien appareil, veuillez contacter votre mairie, le service des ordures ménagères ou encore la magasin où vous avez acheté ce produit.

Italian

Smaltimento delle apparecchiature obsolete 1.Quando su un prodotto è riportato il simbolo di un bidone della spazzatura barrato da una croce significa che il prodotto è coperto dalla direttiva europea 2002/96/EC.

- Tutti i prodotti elettrici ed elettronici dovrebbero essere smaltiti separatamente rispetto alla raccolta differenziata municipale, mediante impianti di raccolta specifici designati dal governo o dalle autorità locali.
- 3.Il corretto smaltimento delle apparecchiature obsolete contribuisce a prevenire possibili conseguenze negative sulla salute umana e sull'ambiente.
- 4.Per informazioni più dettagliate sullo smaltimento delle apparecchiature obsolete, contattare il comune, il servizio di smaltimento rifiuti o il negozio in cui è stato acquistato il prodotto.

Swedish

Kassering av din gamla apparat

- När den här symbolen med en överkryssad soptunna på hjul sitter på en produkt innebär det att den regleras av European Directive 2002/96/EC.
- Alla elektriska och elektroniska produkter bör kasseras via andra vägar än de som finns för hushållsavfall, helst via för ändamålet avsedda uppsamlingsanläggningar som myndigheterna utser.
- 3.Om du kasserar din gamla apparat på rätt sätt så bidrar du till att förhindra negativa konsekvenser för miljön och människors hälsa.
- 4.Mer detaljerad information om kassering av din gamla apparat kan får av kommunen, renhållningsverket eller den butik där du köpte produkten.

Dutch

Uw oude toestel wegdoen

- Als het symbool met de doorgekruiste verrijdbare afvalbak op een product staat, betekent dit dat het product valt onder de Europese Richtlijn 2002/96/EC.
- 2.Elektrische en elektronische producten mogen niet worden meegegeven met het huishoudelijk afval, maar moeten worden ingeleverd bij speciale inzamelingspunten die door de lokale of landelijke overheid zijn aangewezen.
- 3.De correcte verwijdering van uw oude toestel helpt negatieve gevolgen voor het milieu en de menselijke gezondheid voorkomen.

4.Wilt u meer informatie over de verwijdering van uw oude toestel? Neem dan contact op met uw gemeente, de afvalophaaldienst of de winkel waar u het product hebt gekocht.

Finnish

Vanhojen laitteiden hävittäminen

- Tämä merkki tuotteessa tarkoittaa, että tuote kuuluu sähkö- ja elektroniikkalaiteromusta annetun EU-direktiivin 2002/96/EY soveltamisalaan.
- Kaikki elektroniset laitteet ovat ongelmajätettä, joten ne on toimitettava paikalliseen keräyspisteeseen.
- 3.Vanhan laitteen asianmukainen hävittäminen ehkäisee mahdollisia ympäristöön ja terveyteen kohdistuvia haittavaikutuksia.
- 4.Lisätietoa vanhan laitteen hävittämisestä saat ottamalla yhteyden paikallisiin viranomaisiin, kierrätyskeskukseen tai myymälään, josta ostit laitteen.

🗖 German

Entsorgung von Altgeräten

- 1.Wenn dieses Symbol eines durchgestrichenen Abfalleimers auf einem Produkt angebracht ist, unterliegt dieses Produkt der europäischen Richtlinie 2002/96/EC.
- 2.Alle Elektro- und Elektronik-Altgeräte müssen getrennt vom Hausmüll über dafür staatlich vorgesehenen Stellen entsorgt werden.
- 3.Mit der ordnungsgemäßen Entsorgung des alten Geräts vermeiden Sie Umweltschäden und eine Gefährdung der persönlichen Gesundheit.
- 4.Weitere Informationen zur Entsorgung des alten Geräts erhalten Sie bei der Stadtverwaltung, beim Entsorgungsamt oder in dem Geschäft, wo Sie das Produkt erworben haben.

Danish

Sådan smider du dit gamle apparat ud

- 1.Når der er et tegn med et kryds over en skraldespand, betyder det, at produktet er omfattet af EU-direktiv 2002/96/EC.
- 2.Alle elektriske og elektroniske produkter skal smides ud et andet sted end gennem den kommunale affaldsordning ved hjælp af specielle indsamlingsfaciliteter, der er organiseret af staten

eller de lokale myndigheder.

- 3.Korrekt bortskaffelse af dit gamle apparat er med til at forhindre mulige skadevirkninger på miljøet og menneskelig sundhed.
- 4.Mere detaljerede oplysninger om bortskaffelse af dit gamle apparat kan fås ved at kontakte dit lokale kommunekontor, renovationsselskab eller den butik, hvor du købte produktet.

Greek

Απόρριψη της παλιάς σας συσκευής

- Όταν ένα προϊόν διαθέτει το δύμβολο ενός διαγραμμένου κάλαθου απορριμμάτων, τότε το προϊόν καλύπτεται από την Ευρωπαϊκή Οδηγία 2002/96/ΕΟΚ.
- 2.Η απόρριψη όλων των ηλεκτρικών και ηλεκτρονικών προϊόντων πρέπει να γίνεται χωριστά από τα γενικά οικιακά απορρίμματα μέσω καθορισμένων εγκαταστάσεων συλλογής απορριμμάτων, οι οποίες έχουν δημιουργηθεί είτε από την κυβέρνηση ή από τις τοπικές αρχές.
- 3.Η σωστή απόρριψη της παλιάς σας συσκευής θα βοηθήσει στην αποτροπή πιθανών αρνητικών συνπειών ως προς το περιβάλλον και την υγεία του ανθρώπου.
- 4. Για πιο λεπτομερείς πληροφορίες σχετικά με την απόρριψη της παλιάς σας συσκευής, επικοινωνήστε με το αρμόδίο τοπικό γραφείο, υπηρεσία διάθεσης οικιακών απορριμμάτων ή το μαγαξί από το οποίο αγοράσατε το προϊόν.

Spanish

Cómo deshacerse de aparatos eléctricos y electrónicos viejos

- Si en un producto aparece el símbolo de un contenedor de basura tachado, significa que éste se acoge a la Directiva 2002/96/CE.
- Zodos los aparatos eléctricos o electrónicos se deben desechar de forma distinta del servicio municipal de recogida de basura, a través de puntos de recogida designados por el gobierno o las autoridades locales.
- 3.La correcta recogida y tratamiento de los dispositivos inservibles contribuye a evitar riesgos potenciales para el medio ambiente y la salud pública.
- 4.Para obtener más información sobre cómo deshacerse de sus aparatos eléctricos y electrónicos viejos, póngase en contacto con su ayuntamiento, el servicio de recogida de basuras o el establecimiento donde adquirió el producto.

Portuguese

Eliminação do seu antigo aparelho

- Quando este símbolo de latão cruzado estiver afixado a um produto, significa que o produto é abrangido pela Directiva Europeia 2002/96/EC.
- Todos os produtos eléctricos e electrónicos devem ser eliminados separadamente do lixo doméstico através de pontos de recolha designados, facilitados pelo governo ou autoridades locais.
- À eliminação correcta do seu aparelho antigo ajuda a evitar potenciais consequências negativas para o ambiente e para a saúde humana.
- Para obter informaçõs mais detalhadas acerca da eliminação do seu aparelho antigo, contacte as autoridades locais, um serviço de eliminação de resíduos ou a loja onde comprou o produto.

Slovak

Likvidácia váš ho starého prístroja

- Keď sa na produkte nachádza tento symbol prečiarknutej smetnej nádoby s kolieskami, znamená to, že daný produkt vyhovuje európskej Smernici č. 2002/96/EC.
- Všetky elektrické a elektronické produkty by mali byť zlikvidované oddelene od komunálneho odpadu prostredníctvom na to určených zberných zariadení, ktoré boli ustanovené vládou alebo orgánmi miestnej správy.
- Správnou likvidáciou starých zariadení pomôžete predchádzať potenciálnym negatívnym následkom pre prostredie a ľudské zdravie.
- Podrobnejšie informácie o likvidácii starých zariadení nájdete na miestnom úrade, v službe na likvidáciu odpadu alebo u predajcu, kde ste tento produkt zakúpili.

Czech

Likvidace starých spotřebičů

- Pokud je u výrobku uveden symbol pojízdného kontejneru v přeškrtnutém poli, znamená to, že na výrobek se vztahuje směrnice Evropské unie číslo 2002/96/EC.
- Všchny elektrické a elektronické výrobky by měly být likvidovány odděleně od běžného komunálního odpadu prostřednictvím sběrných zařízení zřízených za tímto účelem vládou nebo místní samosprávou.
- Správný způsob likvidace starého elektrického spotřebiče pomáhá zamezit možným negativním dopadům na životní prostředí a zdraví.
- Bližší informace o likvidaci starého spotřebiče získáte u místní samosprávy, ve sběrném zařízení nebo v obchodě, ve kterém jste výrobek zakoupili.

Croatian

Uklanjanje starog aparata

 Ako se na proizvodu nalazi simbol prekrižene kante za smeće, to znači da je proizvod pokriven europskom direktivom 2002/96/EC.

- Električni i elektronski proizvodi ne smiju se odlagati zajedno s komunalnim otpadom, već u posebna odlagališta koja je odredila vlada ili lokalne vlasti.
- Pravilno odlaganje starog proizvoda sprečit če potenci jalne negativne posljedice po okoliš i zdravlje ljudi.
- Podrobnije informacije o odlaganju starog proizvoda potražite u gradskom uredu, službi za odlaganje otpada ili u trgovini u kojoj ste kupili proizvod.

Hungarian

- Régi eszközök ártalmatlanítása
- A termékhez csatolt áthúzott, kerekes szeméttároló jel jelöli, hogy a termék a 2002/96/EC EU-direktíva hatálya alá esik.
- Minden elektromos és elektronikai terméket a lakossági hulladéktól elkülönítve kell begyüjteni, a kormány vagy az önkormányzatok által kijelölt begyüjtö eszközök használatával.
- Régi eszközeinek megfelelö ártalmatlanítása segíthet megelözni az esetleges egészségre vagy környezetre ártalmas hatásokat.
- 4. Ha több információra van szüksége régi eszközeinek ártalmatlanításával kapcsolatban, tanulmányozza a vonatkozó környezetvédelmi szabályokat, vagy lépjen kapcsolatba az üzlettel, ahol a terméket vásárolta.

Polish

Utylizacja starych urządzeń

- Kiedy do produktu dołączony jest niniejszy przekreślony symbol kołowego pojemnika na śmieci, oznacza to, że produkt jest objęty dyrektywą 2002/96/EC.
- Wszystkie elektryczne i elektroniczne produkty powinny być utylizowane niezależnie od odpadów miejskich, z wykorzystaniem przeznaczonych do tego miejsc składowania wskazanych przez rząd lub miejscowe władze.
- Właściwy sposób utylizacji starego urządzenia pomoże zapobiec potencjalnie negatywnemu wpływowi na zdrowie i środowisko.
- 4. Aby uzyskać więcej informacji o sposobach utylizacji starych urządzeń, należy skontaktować się z władzami lokalnymi, przedsiebiorstwem zajmującym się utylizacją odpadów lub sklepem, w którym produkt został kupiony.

Estonian

Kasutuskõlbmatu seadme käitlemise kord

- Kui seade on märgistatud selle elektri- ja elektroonikaseadmete lahuskogumist märgistava tähisega (ratastega prügikonteineri kujutis, millele on rist peale tõmmatud), tuleb toodet käidelda vastavalt Eurodirektiivile 2002/96/EÜ.
- Elektri- ja elektroonikaseadmeid ei tohi visata tavalise prügi hulka. Nad kuuluvad lahuskogumisele selleks määratud kogumispunktides.
- Kasutuskõlbmatu tervikseadme käitlemine tavaprügist lahus on korraldatud selleks, et vältida negatiivseid tagajärgi, mida põhjustaksid seadme osade purunemisel vabaneda võivad ohtlikud jäätmed loodusele või inimorganismile.
- Täpsemat informatsiooni selle kohta, kuhu ja millal saab ära anda oma kasutamiskõibmatu elektri- ja elektroonikaseadme, küsige kohalikult omavalitsuselt, prügifirmalt või kaupluselt, kust seadme ostsite.

Latvian

Vecās elektroierīces nodošana

- Ja uz produkta ir simbols ar pārsvītrotu atkritumu tvertni, tas nozīmē, ka produkts ir iekļauts Eiropas direktīvā 2002/96/EC.
- Visi elektriskie un elektroniskie produkti ir jāutilizē, nododot pašvaldības īpaši noteiktās pieņemšanas vietās. Tos nedrīkst izmest parastās municipalitātes atkritumu urnās.
- levērojot prasības veco elektroierīču utilizēšanā, jūs pasargāsiet apkārtējo vidi un cilvēku veselību no iespējami nelabvēlīgajām sekām, kādas varētu rasties, ierīcēm sadaloties nepiemērotā vietā.
- 1. Lai gūtu plašāku informāciju par veco ierīču utilizēšanas iespējām, sazinieties ar pilsētas pašvaldību, atkritumu savākšanas saimniecību vai veikalu, kurā ierīci iegādājāties.

Lithuanian

Senos įrangos atliekų tvarkymas

- Užbrauktas konteinerio simbolis pritvirtintas ant prekės reiškia, kad įrangą saugo Europos direktyva 20002/96/EC.
- 2. Visos elektros ir elektroninės įrangos atliekos turi būti renkamos atskirai ir neišmetamos į atliekų konteinerį kartu su kitomis komunalinėmis atliekomis, taikant specialią atliekų surinkimo sistemą, patvirtintą vyriausybės ar vietos valdžios.
- Teisingas senos įrangos atliekų tvarkymas, padės išvengti neigiamų pasekmių aplinkai ir žmonių sveikatai.
- Dėl išsamesnės informacijos apie senos įrangos tvarkymą, prašome kreiptis į miesto valdžią, atliekų perdirbimo tarnybą arba parduotuvę, kurioje pirkote įrangą.