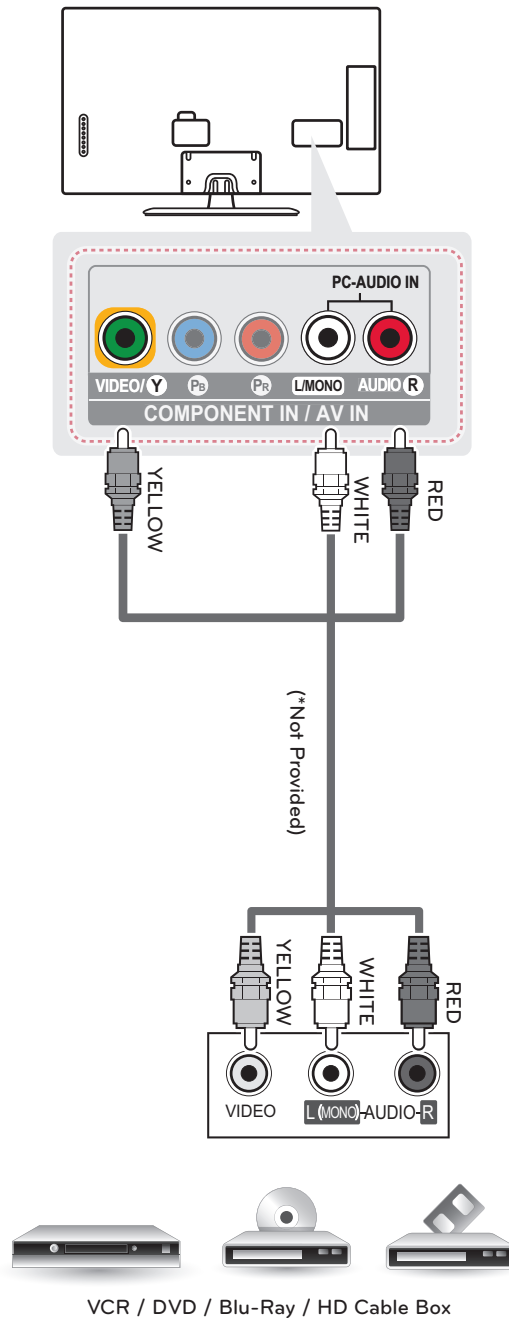


Composite Connection

Transmits analog video and audio signals from an external device to the TV. Connect the external device and the TV with the composite cable as shown in the following illustration.

NOTE

- Check to ensure the cables are matched with the corresponding color connection.



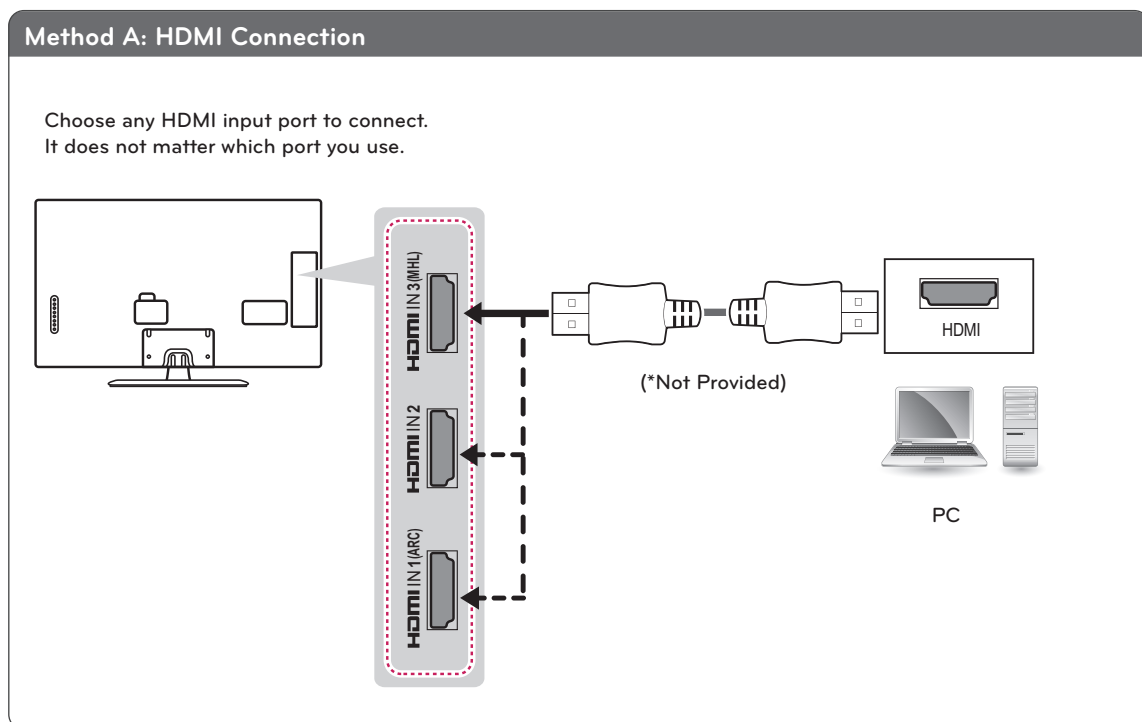
Connecting to a PC

NOTE

- It is recommended to use an HDMI connection for the best image quality.
- Depending on the graphics card, DOS mode video 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.
- The synchronization input form for Horizontal and Vertical frequencies is separate.
- Depending on the graphics card, some resolution settings may not allow the image to be positioned on the screen properly.
- If you are using DVI out from a PC, you have to connect analog audio separately. Refer to the instructions on the next page.
- When using the HDMI/DVI cable, Single link is only supported.

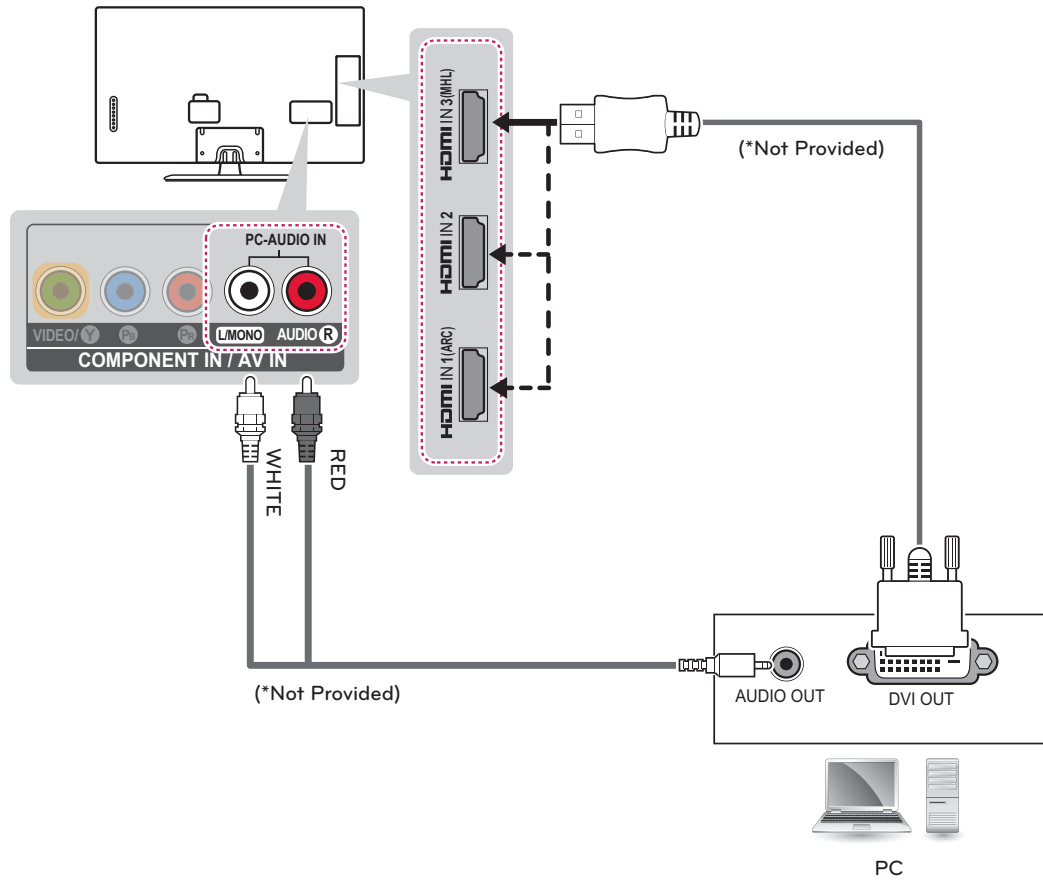
HDMI Connection DVI or HDMI Connection

Choose method A or B to make connection.



Method B: DVI to HDMI Connection

Choose any HDMI input port to connect.
It does not matter which port you use.



ENGLISH

Connecting to an Audio System

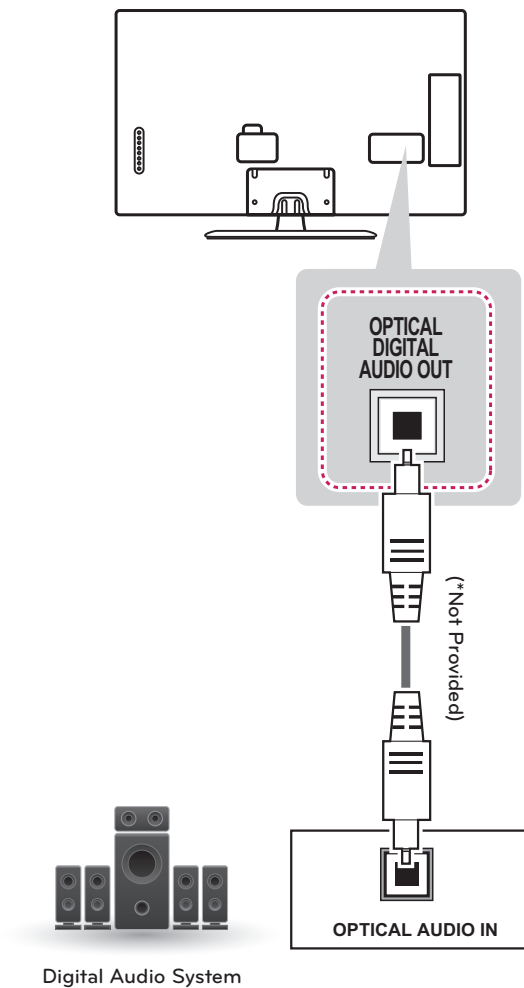
You may use an optional external audio system instead of the built-in speaker.

Digital Optical Audio Connection

Transmits a digital audio signal from the TV to an external device. Connect the external device and the TV with the optical audio cable as shown in the following illustration.

**NOTE**

- 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.



Connecting to a Sound Bar

You may use a Sound Bar instead of the built-in speaker.

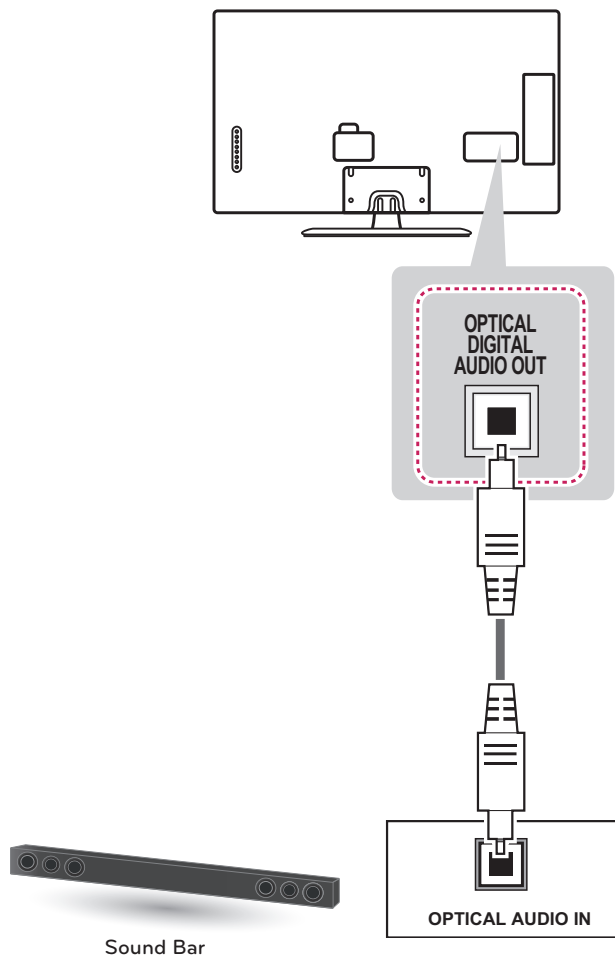
! NOTE

- If you use a Sound Bar instead of the built-in speaker, set the TV speaker to off in the user menu.

Digital Optical Audio Connection

Transmits a digital audio signal from the TV to a Sound Bar. Connect the Sound Bar and the TV with an optical audio cable as shown in the following illustration.

For LN5790 series

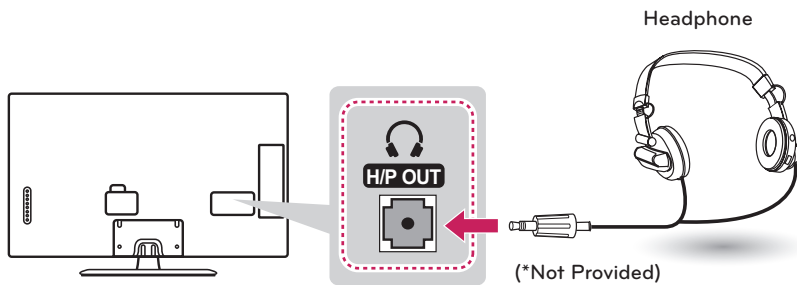


Connecting Headphones

You listen to the sound using headphones.

NOTE

- AUDIO menu options are disabled when headphones are connected.
- When changing AV MODE with headphones connected, the change is applied to video but not to audio.
- Optical Digital Audio Out is not available when headphones are connected.
- Headphone impedance: 16 Ω
- Max audio output: 10 mW to 15 mW
- Headphone jack size: 0.35 cm (0.13 inches)



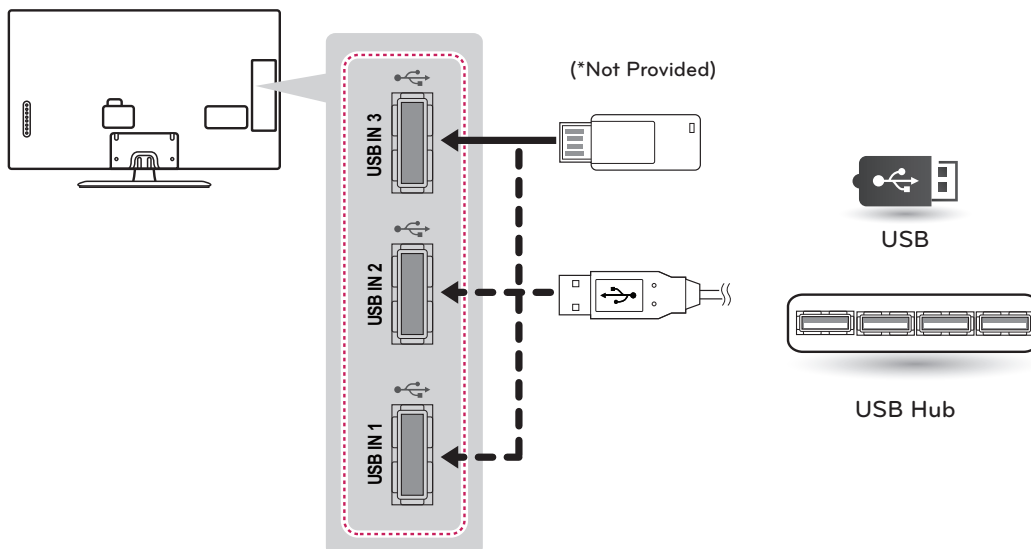
Connecting a USB Drive

Connect a USB storage device such as a USB flash thumbdrive, external hard drive, or a USB memory card reader to the TV and access the Smart Share menu to use various multimedia files.

NOTE

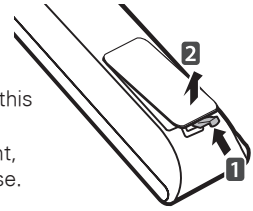
- Some USB Hubs may not work. If a USB device connected using a USB Hub is not detected, connect it to the USB port on the TV directly.

Choose any USB input port to connect.
It does not matter which port you use.



REMOTE CONTROL

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the TV correctly. To install batteries, open the battery cover, replace batteries (1.5 V AAA) matching the ⊕ and ⊖ ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse.



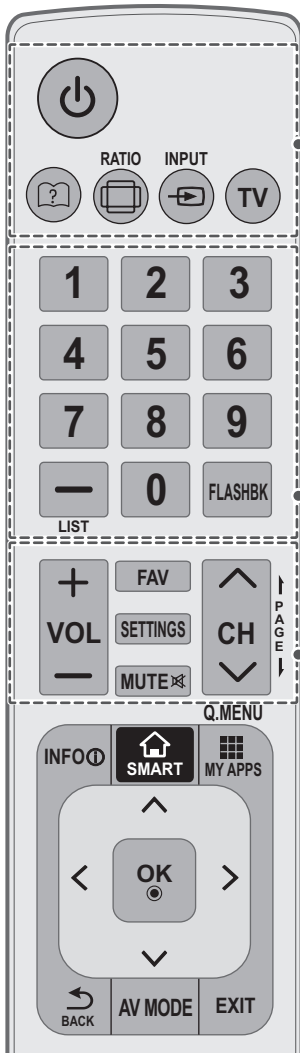
CAUTION

- Do not mix old and new batteries, as this may damage the remote control.

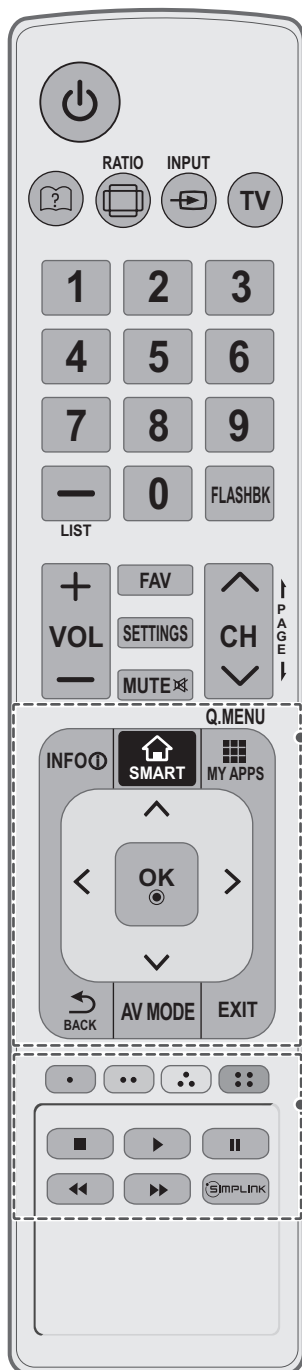
This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.

For LN5700, LN570B, LN5790 series

ENGLISH



- ⏻ (POWER)**
Turns the TV on or off.
- 📖 (User Guide)**
Sees user-guide.
- 📐 RATIO**
Resizes an image.
- 📺 INPUT**
Rotates through inputs.
Also switches the TV on from standby.
- TV**
Returns to the last TV channel.
- Number button**
Enters numbers.
- LIST**
Accesses the saved channel list.
- (Dash)**
Inserts a dash between numbers such as 2-1 and 2-2.
- FLASHBK**
Tunes to the last channel viewed.
- + VOL -**
Adjusts the volume level.
- FAV**
Accesses your favorite channel list.
- SETTINGS**
Accesses the main menu.
- MUTE 🚫**
Mutes all sounds.
- ^ CH v**
Scrolls through the saved channels.
- ⏪ PAGE ⏩**
Moves to the previous or next screen.



INFO ⓘ

Shows information on the current program.

SMART 🏠

Accesses the Smart Home menu.

MY APPS 📺

Shows the list of Apps.

Q.MENU

Accesses the quick menu.

Navigation buttons (up/down/left/right)

Scrolls through menus or options.

OK Ⓞ

Selects menus or options and confirms your input.

BACK ↩

Returns to the previous level.

AV MODE

Selects an AV mode.

EXIT

Clears all on-screen displays and returns to TV viewing.

Color buttons

These access special functions in some menus.

Ⓜ : Red, Ⓝ : Green, Ⓟ : Yellow, Ⓠ : Blue

Control buttons (■, ▶, ⏸, ⏪, ⏩)

Controls the SIMPLINK compatible devices (USB, SIMPLINK).

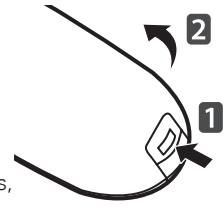
SIMPLINK

Accesses the AV devices connected to the TV;

Opens the SIMPLINK menu.

MAGIC REMOTE CONTROL FUNCTIONS

When the message "Magic remote control battery is low. Change the battery." is displayed, replace the battery. To install batteries, open the battery cover, replace batteries (1.5 V AA) matching ⊕ and ⊖ ends to the label inside the compartment, and close the battery cover. Be sure to point the remote control at the remote control sensor on the TV. To remove the batteries, perform the installation actions in reverse.



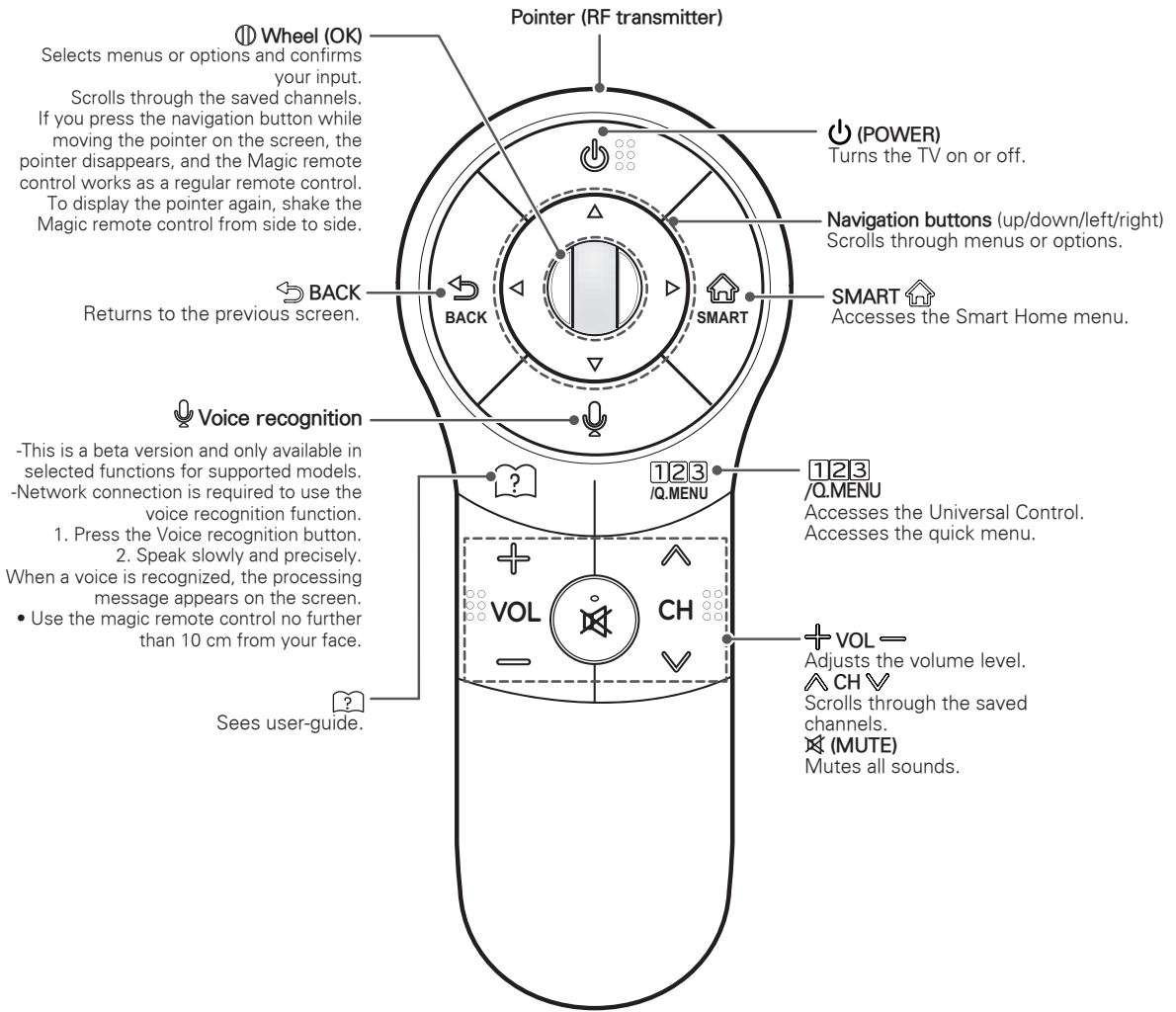
CAUTION

- Do not mix old and new batteries, as this may damage the remote control.

This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.

For LN5750 series


ENGLISH





Registering Magic Remote Control

The Magic Remote Control operates by pairing with your TV.


How to register the Magic Remote Control

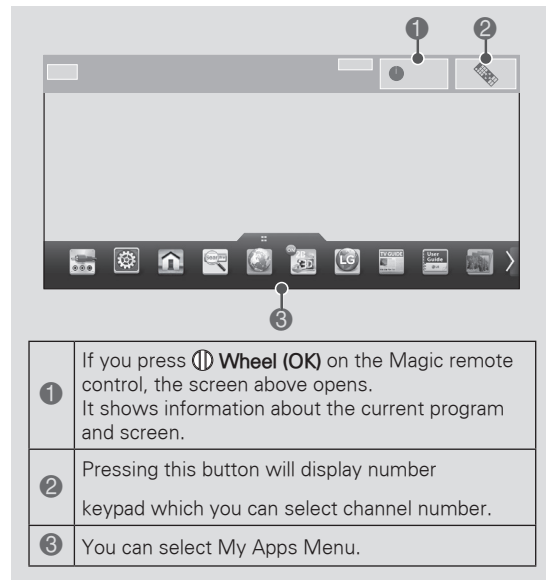
 (Wheel)	<p>To register automatically, turn the TV on and press the Wheel (OK). When registration is completed, the completion message appears on the screen.</p> <p>If registration fails, turn the TV off and back on, then press the Wheel (OK) to complete registration.</p>
---	---

How to Re-register the Magic Remote Control

 BACK	<p>1 Press and hold the BACK and SMART buttons together for 5 seconds to reset, then register it by following "How to register the Magic remote control" above.</p>
 SMART	<p>2 To re-register the Magic remote control, press and hold the BACK button for 5 seconds toward the TV.</p>

How to use Magic Remote Control

	<p>1 You can move the pointer by moving the remote up and down or left and right.</p> <ul style="list-style-type: none"> » If the pointer does not work properly, wait 10 seconds and then try again. <p>2 If the pointer disappears, move the remote control slightly to left or right. It will then automatically appear on the screen.</p> <ul style="list-style-type: none"> » If the pointer has not been used for a certain period of time, it will disappear.
---	--



Precautions to Take when Using the Magic Remote Control

- Use the Magic remote control within the maximum communication distance (10 m, 32.8ft). Using the remote control beyond this distance, or with an object obstructing it, may cause a communication failure.
- A communication failure may occur due to nearby devices. Electrical devices such as a microwave oven or wireless LAN product may cause interference, as these use the same bandwidth (2.4 GHz) as the Magic remote control.
- The Magic remote control may be damaged or may malfunction if it is dropped or receives a heavy impact.
- Take care not to bump into nearby furniture or other people when using the Magic remote control.
- Manufacturer and installer cannot provide service related to human safety as the applicable wireless device has possibility of electric wave interference.
- It is recommended that an Access Point (AP) be located more than 1 m (3.28 ft) away from the TV. If the AP is installed closer than 1 m (3.28 ft), the Magic remote control may not perform as expected due to frequency interference.

WATCHING TV

Turning the TV on for the first time

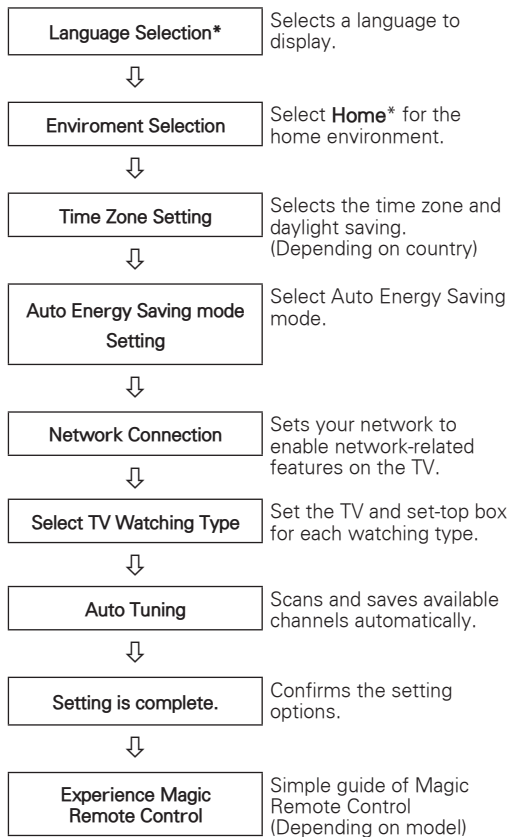
When you turn the TV on for the first time, the Initial setting screen appears. Select a language and customize the basic settings.

- 1 Connect the power cord to a power outlet.
- 2 In Standby mode, press the power button on the remote control to turn the TV on.
The Initial setting screen appears if you turn the TV on for the first time.

! NOTE

- You can also access **Initial Setting** by accessing **OPTION** in the main menu.

- 3 Follow the on-screen instructions to customize your TV settings according to your preferences.



! NOTE

- Select **Home*** when prompted. **Store*** mode puts the TV in demo mode.
- If you select **Store***, the any customized settings will switch back to the default settings of **Store*** in 5 minutes.
- The Standby light feature is disabled in Store Demo mode.

- 4 When the basic settings are complete, press the **OK** button.


! NOTE

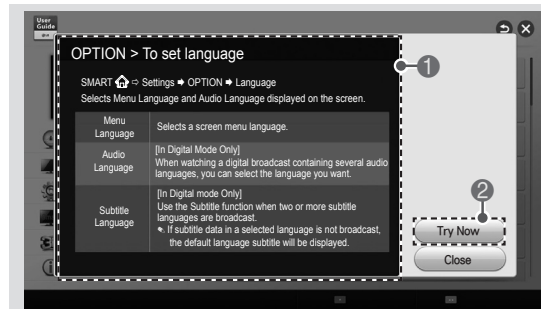
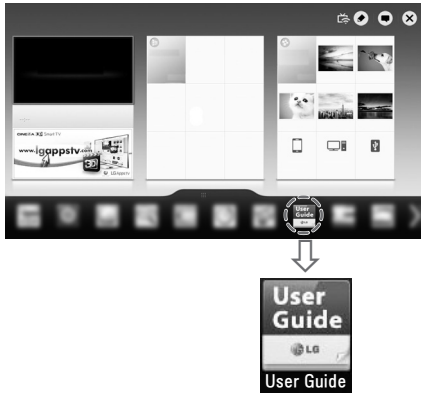
- If you do not complete the Initial setting, it will appear whenever the TV turns on.
- Disconnect the power cord from the power outlet when you do not use the TV for a long period of time.



- 5 To turn the TV off, press the power button on the remote control.

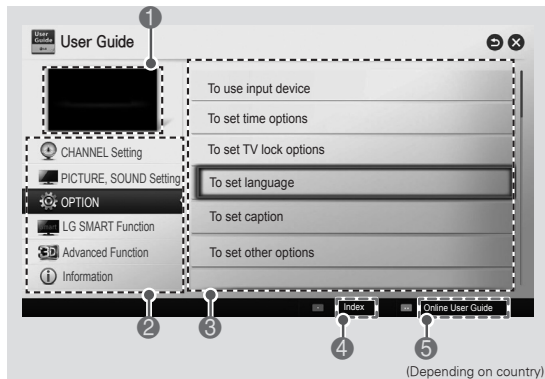
USING THE USER GUIDE



User Guide allows you to easily access detailed TV information.

- 1 Press **SMART**  button to access the Smart Home menu.
- 2 Select **User Guide** and press the **OK** button.



- | | |
|---|--|
| 1 | Shows the description of the selected menu. You can use  /  to move between pages. |
| 2 | Moves to the selected menu directly from the User Guide. |



- | | |
|---|---|
| 1 | Shows the video you were watching. |
| 2 | Guide categories. |
| 3 | List of topics in the current category. You can use  /  button to move between pages. |
| 4 | An index of key words present in the User Guide. |
| 5 | Provides the detailed information on the functions of LG Smart TV when the Internet is connected. (It may not be available depending on the country/ language.) |

SPECIFICATIONS

Product specifications may be changed without prior notice due to upgrade of product functions.

Power requirement		AC 100 - 240 V ~ 50 / 60 Hz
Television System		ATSC / NTSC-M, 64 & 256 QAM
Program Coverage		VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135
External Antenna Impedance		75 Ω
Environment condition	Operating Temperature	0 - 40 °C
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 - 60 °C
	Storage Humidity	Less than 85 %

MODELS		32LN5700 (32LN5700-UH)	39LN5700 (39LN5700-UH)
		32LN570B (32LN570B-UH)	
Dimensions (Width x Height x Depth)	With stand	738 x 497 x 207 (mm)	894 x 587 x 236 (mm)
		29.0 x 19.5 x 8.1 (inch)	35.1 x 23.1 x 9.2 (inch)
	Without stand	738 x 449 x 79 (mm)	894 x 537 x 79 (mm)
		29.0 x 17.6 x 3.1 (inch)	35.1 x 21.1 x 3.1 (inch)
Weight	With stand	7.0 kg (15.4 lbs)	9.7 kg (21.3 lbs)
	Without stand	6.4 kg (14.1 lbs)	8.6 kg (18.9 lbs)
Current Value / Power consumption		1.3 A / 80 W	1.5 A / 100 W

MODELS		42LN5700 (42LN5700-UH)	47LN5700 (47LN5700-UH)
			47LN5790 (47LN5790-UI)
Dimensions (Width x Height x Depth)	With stand	968 x 629 x 236 (mm)	1,080 x 694 x 264 (mm)
		38.1 x 24.7 x 9.2 (inch)	42.5 x 27.3 x 10.3 (inch)
	Without stand	968 x 579 x 79 (mm)	1,080 x 642 x 80.5 (mm)
		38.1 x 22.7 x 3.1 (inch)	42.5 x 25.2 x 3.1 (inch)
Weight	With stand	10.7 kg (23.5 lbs)	14.5 kg (31.9 lbs)
	Without stand	9.6 kg (21.1 lbs)	13.1 kg (28.8 lbs)
Current Value / Power consumption		1.1 A / 110 W	1.3 A / 130 W

MODELS		50LN5700 (50LN5700-UH)	55LN5700 (55LN5700-UH)
			55LN5790 (55LN5790-UI)
Dimensions (Width x Height x Depth)	With stand	1,136 x 727 x 264 (mm)	1,250 x 790 x 297 (mm)
		44.7 x 28.6 x 10.3 (inch)	49.2 x 31.1 x 11.6 (inch)
	Without stand	1,136 x 673 x 82.1 (mm)	1,250 x 737 x 79.1 (mm)
		44.7 x 26.4 x 3.2 (inch)	49.2 x 29.0 x 3.1 (inch)
Weight	With stand	15.6 kg (34.3 lbs)	21.2 kg (46.7 lbs)
	Without stand	14.2 kg (31.3 lbs)	19.1 kg (42.1 lbs)
Current Value / Power consumption		1.4 A / 140 W	1.6 A / 160 W

MODELS		60LN5700 (60LN5700-UA)
Dimensions (Width x Height x Depth)	With stand	1,359 x 852 x 297 (mm)
		53.5 x 33.5 x 11.6 (inch)
	Without stand	1,359 x 799 x 67.2 (mm)
		53.5 x 31.4 x 2.6 (inch)
Weight	With stand	26.3 Kg (57.9 lbs)
	Without stand	24.2 Kg (53.3 lbs)
Current Value / Power consumption		2.0 A / 200 W

MODELS		32LN5750 (32LN5750-UH)	39LN5750 (39LN5750-UH)
Dimensions (Width x Height x Depth)	With stand	738 x 497 x 207 (mm)	894 x 587 x 236 (mm)
		29.0 x 19.5 x 8.1 (inch)	35.1 x 23.1 x 9.2 (inch)
	Without stand	738 x 449 x 79 (mm)	894 x 537 x 79 (mm)
		29.0 x 17.6 x 3.1 (inch)	35.1 x 21.1 x 3.1 (inch)
Weight	With stand	7.0 kg (15.4 lbs)	9.7 kg (21.3 lbs)
	Without stand	6.4 kg (14.1 lbs)	8.6 kg (18.9 lbs)
Current Value / Power consumption		1.3 A / 80 W	1.5 A / 100 W

MODELS		42LN5750 (42LN5750-UH)	47LN5750 (47LN5750-UH)
Dimensions (Width x Height x Depth)	With stand	968 x 629 x 236 (mm)	1,080 x 694 x 264 (mm)
		38.1 x 24.7 x 9.2 (inch)	42.5 x 27.3 x 10.3 (inch)
	Without stand	968 x 579 x 79 (mm)	1,080 x 642 x 80.5 (mm)
		38.1 x 22.7 x 3.1 (inch)	42.5 x 25.2 x 3.1 (inch)
Weight	With stand	10.7 kg (23.5 lbs)	14.5 kg (31.9 lbs)
	Without stand	9.6 kg (21.1 lbs)	13.1 kg (28.8 lbs)
Current Value / Power consumption		1.1 A / 110 W	1.3 A / 130 W

MODELS		50LN5750 (50LN5750-UH)	55LN5750 (55LN5750-UH)
Dimensions (Width x Height x Depth)	With stand	1,136 x 727 x 264 (mm)	1,250 x 790 x 297 (mm)
		44.7 x 28.6 x 10.3 (inch)	49.2 x 31.1 x 11.6 (inch)
	Without stand	1,136 x 673 x 82.1 (mm)	1,250 x 737 x 79.1 (mm)
		44.7 x 26.4 x 3.2 (inch)	49.2 x 29.0 x 3.1 (inch)
Weight	With stand	15.6 kg (34.3 lbs)	21.2 kg (46.7 lbs)
	Without stand	14.2 kg (31.3 lbs)	19.1 kg (42.1 lbs)
Current Value / Power consumption		1.4 A / 140 W	1.6 A / 160 W

MODELS		60LN5750 (60LN5750-UA)
Dimensions (Width x Height x Depth)	With stand	1,359 x 852 x 297 (mm)
		53.5 x 33.5 x 11.6 (inch)
	Without stand	1,359 x 799 x 67.2 (mm)
		53.5 x 31.4 x 2.6 (inch)
Weight	With stand	26.3 Kg (57.9 lbs)
	Without stand	24.2 Kg (53.3 lbs)
Current Value / Power consumption		2.0 A / 200 W

HDMI (DTV) supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x480	31.469 31.50	59.94 60.00
1280x720	44.96 45.00	59.94 60.00
1920x1080	33.72 33.75 26.97 27.000 33.716 33.75 67.43 67.500	59.94 60.00 23.97 24.000 29.976 30.00 59.94 60

Component supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x480i	15.73	59.94
	15.73	60.00
720x480p	31.47	59.94
	31.50	60
1280x720p	44.96	59.94
	45.00	60.00
1920x1080i	33.72	59.94
	33.75	60.00
1920x1080p	26.97	23.976
	27.00	24.00
	33.71	29.97
	33.75	30.00
	67.432	59.94
	67.500	60.00

Component port connecting information

Component ports on the TV	Y	PB	PR

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

HDMI (PC) supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
1152x864	54.348	60.053
1360x768	47.712	60.015
1280x1024	63.981	60.020
1920x1080	67.5	60.00

Wireless LAN module (WN8122E1) specification

Standard	IEEE802.11a/b/g/n
Frequency Range	2400 to 2483.5 MHz 5150 to 5250 MHz 5725 to 5850 MHz
Output Power (Max.)	802.11a: 16.5 dBm 802.11b: 16 dBm 802.11g: 15.5 dBm 802.11n - 2.4GHz: 15.5 dBm 802.11n - 5GHz: 16.5 dBm

- Because band channel used by the country could be different, the user can not change or adjust the operating frequency and this product is set for the regional frequency table.
- Contains FCC ID: BEJWN8122E1
Contains IC: 2703H-WN8122E1

Bluetooth module (BM-LDS401) specification

(For LN5750 series)

Standard	Bluetooth Version 3.0
Frequency Range	2400 ~ 2483.5 MHz
Output Power (Max.)	10 dBm or lower

- Contains FCC ID: BEJLDS401
Contains IC: 2703H-LDS401

EXTERNAL CONTROL DEVICE SETUP

To obtain the external control device setup information, please visit 'www.lg.com'.

MAINTENANCE

Cleaning Your TV

Clean your TV regularly to keep it at peak performance and to extend the product lifespan.

CAUTION

- Before Cleaning, turn the power off and disconnect the power cord and all other cables.
- When the TV is left unattended or unused for a long time, disconnect the power cord from the wall outlet to prevent possible damage from lightning or power surges.

Screen, frame, cabinet and stand

To remove dust or light dirt, wipe the surface with a dry, clean, and soft cloth.

To remove major dirt, wipe the surface with a soft cloth dampened in clean water or a diluted mild detergent. Then wipe immediately with a dry cloth.

CAUTION

- Do not push, rub, or hit the surface with your fingernail or a sharp object, as this may result in scratches on the screen and image distortions.
- Do not use any chemicals, such as waxes, benzene, alcohol, thinners, insecticides, air fresheners, lubricants, as these may damage the screen's finish and cause discoloration.
- Do not spray liquid onto the surface. If water enters the TV, it may result in fire, electric shock, or malfunction.

ENGLISH

Power cord

Remove the accumulated dust or dirt on the power cord regularly.

TROUBLESHOOTING

Problem	Solution
Cannot control the TV with the remote control.	<ul style="list-style-type: none"> • Check the remote control sensor on the product and try again. • Check if there is any obstacle between the product and the remote control. • Check if the batteries are still working and properly installed (⊕ to ⊕, ⊖ to ⊖).
No image display and no sound is produced.	<ul style="list-style-type: none"> • Check if the product is turned on. • Check if the power cord is connected to a wall outlet. • Check if there is a problem in the wall outlet by connecting other products.
The TV turns off suddenly.	<ul style="list-style-type: none"> • Check the power control settings. The power supply may be interrupted. • Check if the Auto sleep feature is activated in the Time settings. • If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.

CHILD SAFETY:

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

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



THE ISSUE

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

THIS MANUFACTURER CARES!

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

TUNE INTO SAFETY

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



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

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

) **Federal Communications Commission(FCC) Statement**

You are cautioned that changes or modifications not expressly approved by the part responsible

for compliance could void the user's authority to operate the equipment.

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 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.

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.

Indoor use only

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Caution: Exposure to Radio Frequency Radiation.

1. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.



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 _____

LG Customer Information Center

For inquires or comments, visit www.lg.com or call;

1-800-243-0000 USA, Consumer User

1-888-865-3026 USA, Commercial User

1-888-542-2623 CANADA

Register your product Online!

www.lg.com



This product qualifies for ENERGY STAR in the "factory default (Home Use)" setting.

Changing the factory default settings or enabling other features may increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR.