



LG
Life's Good

LCD TV | MEDIA BOX OWNER'S MANUAL

LCD TV MODELS

47LH85
55LH85
55LHX

MEDIA BOX MODEL

ASW1000

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

The model and serial number of the product is located on the back and one side of the product.

Record it below should you ever need service.

Model:

Serial:



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.

1-800-243-0000 USA, Consumer User
1-888-865-3026 USA, Commercial User
1-888-542-2623 CANADA

LG Customer Information Center

Media Box is not qualified for ENERGY STAR.

P/NO : SAC33601902 (0906-REV02)

www.lgusa.com / www.lg.ca

WARNING / CAUTION



WARNING / CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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



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



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

WARNING/CAUTION

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

NOTE TO CABLE/TV INSTALLER

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

WARNING / CAUTION

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

FCC NOTICE

Class B digital device

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

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause (harmful) interference, and (2) this device must accept any interference received, including interference that may cause undesired operation (of the device).

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

CAUTION

Do not attempt to modify this product in any way without written authorization from LG Electronics. Unauthorized modification could void the user’s authority to operate this product.

SAFETY INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

Read these instructions.

Keep these instructions.

Heed all warnings.

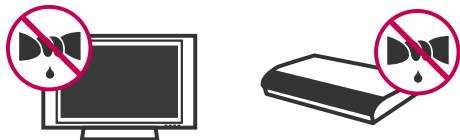
Follow all instructions.



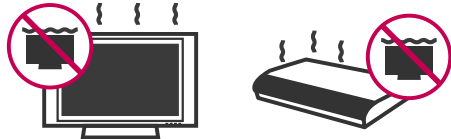
- 1** Do not use this apparatus near water.



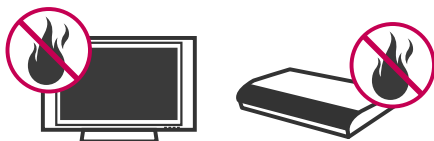
- 2** Clean only with dry cloth.



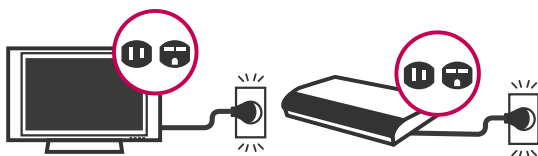
- 3** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.



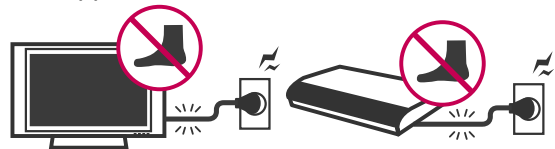
- 4** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



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



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



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

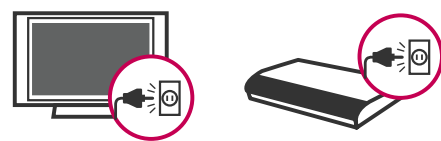


- 8** Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

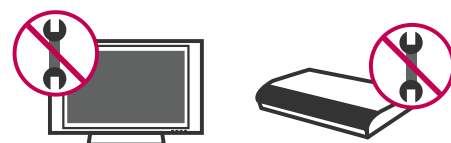


S3125A

- 9** Unplug this apparatus during lightning storms or when unused for long periods of time.



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



SAFETY INSTRUCTIONS

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

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

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

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

Do not connect too many appliances to the same AC power outlet as this could result in fire or electric shock.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

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



15 **WARNING** - To reduce the risk of fire or electrical shock, do not expose this apparatus to rain, moisture or other liquids. Do not touch the apparatus with wet hands. Do not install this apparatus near flammable objects such as gasoline or candles or expose the apparatus to direct air conditioning.



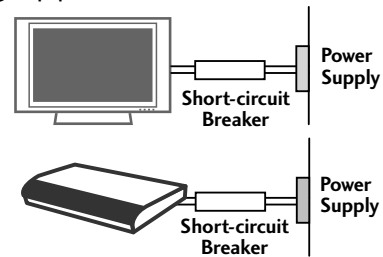
16 Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g. on shelves above the unit).



17 GROUNDING

Ensure that you connect the earth ground wire to prevent possible electric shock (i.e. this apparatus 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 apparatus by connecting it to telephone wires, lightning rods, or gas pipes.



18 **DISCONNECTING DEVICE FROM MAINS**
Mains plug is the disconnecting device. The plug must remain readily operable.

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

20 ANTENNAS

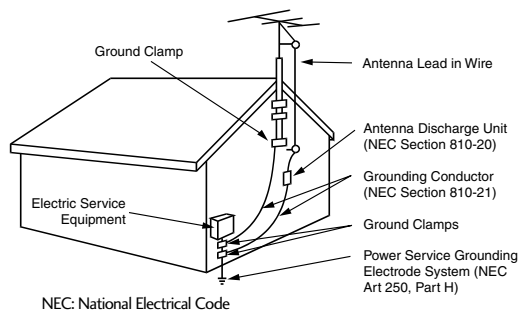
Outdoor antenna grounding

If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of 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



21 Cleaning

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

22 Moving

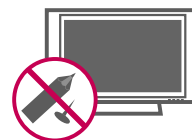
Make sure the product is turned off, unplugged and all cables have been removed. It may take 2 or more people to carry larger TVs. Do not press against or put stress on the front panel of the TV.

23 Ventilation

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

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

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



26 Keep the product away from direct sunlight.

27 For LCD TV

If the TV feels cold to the touch, there may be a small “flicker” when it is turned on. This is normal, there is nothing wrong with TV.

Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor’s performance.

Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.

28 FCC Radiation Exposure

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

ON DISPOSAL

(Only Hg lamp used LCD TV)

The fluorescent lamp used in this product contains a small amount of mercury. Do not dispose of this product with general household waste. Disposal of this product must be carried out in accordance to the regulations of your local authority.

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FEATURE OF THIS TV

- Some of these features are not available on all models.



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



This TV contains the detailed calibrations necessary for professional certification by the Imaging Science Foundation. The resulting ISF "day" and "night" modes will then be accessible by the user to experience the best their LG HDTV has to offer.

Sophisticated and detailed calibrations can be made through the ISFccc mode.

Detailed calibration requires a licensed technician.

Please contact your local dealer to inquire about an ISF certified technician.



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 is a clean, polished look, and enhanced audio by increasing the "sweet spot", giving a wider and richer sound field.



Advance 120Hz panel provides clearer, smoother images, even during fast action scenes creating a more stable structure for a crisper picture.



TruMotion 240Hz displays 240 scenes per second by combining advanced 120Hz technology with scanning backlight. This technology is verified from Intertek & TÜV Rheinland.



In addition to adhering to the new Energy Star 3.0 specification, LG HDTVs have energy-saving options like the ability to choose a content-specific setting, "video mute" or engaging exclusive Intelligent Sensor technology.



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



SRS is a trademark of SRS Labs, Inc.

TruSurround XT technology is incorporated under license from SRS Labs, Inc.



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



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



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



Uncompressed 1080p signal transmission without the hassle of messy wires.



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 its surroundings, more pleasing to watch and which can also save up to 50% in power consumption.



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

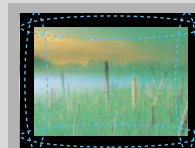
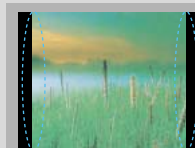
ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-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.



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

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

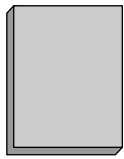


PREPARATION

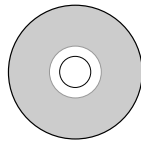
ACCESSORIES

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

The accessories included may differ from the images below.

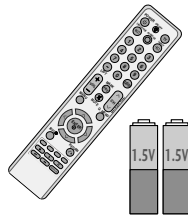


Owner's Manual



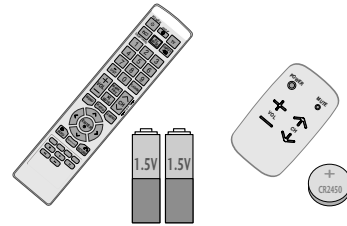
CD Manual

(For 47/55LH85)



Remote Control, Batteries

(For 55LHX)



Remote Control, Batteries

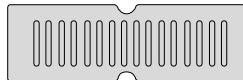
(For 47LH85)



x 4

Screws for stand assembly
(Refer to P.17)

(For 47/55LH85)



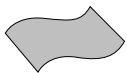
Protection Cover



x 2

Power Cord

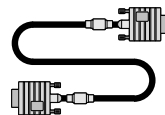
Not included with all models



Polishing Cloth

- * Wipe spots on the exterior only with the polishing cloth.
- * Do not wipe roughly when removing stain. Excessive pressure may cause scratch or discoloration.

Option Extras



D-sub 15 pin Cable

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

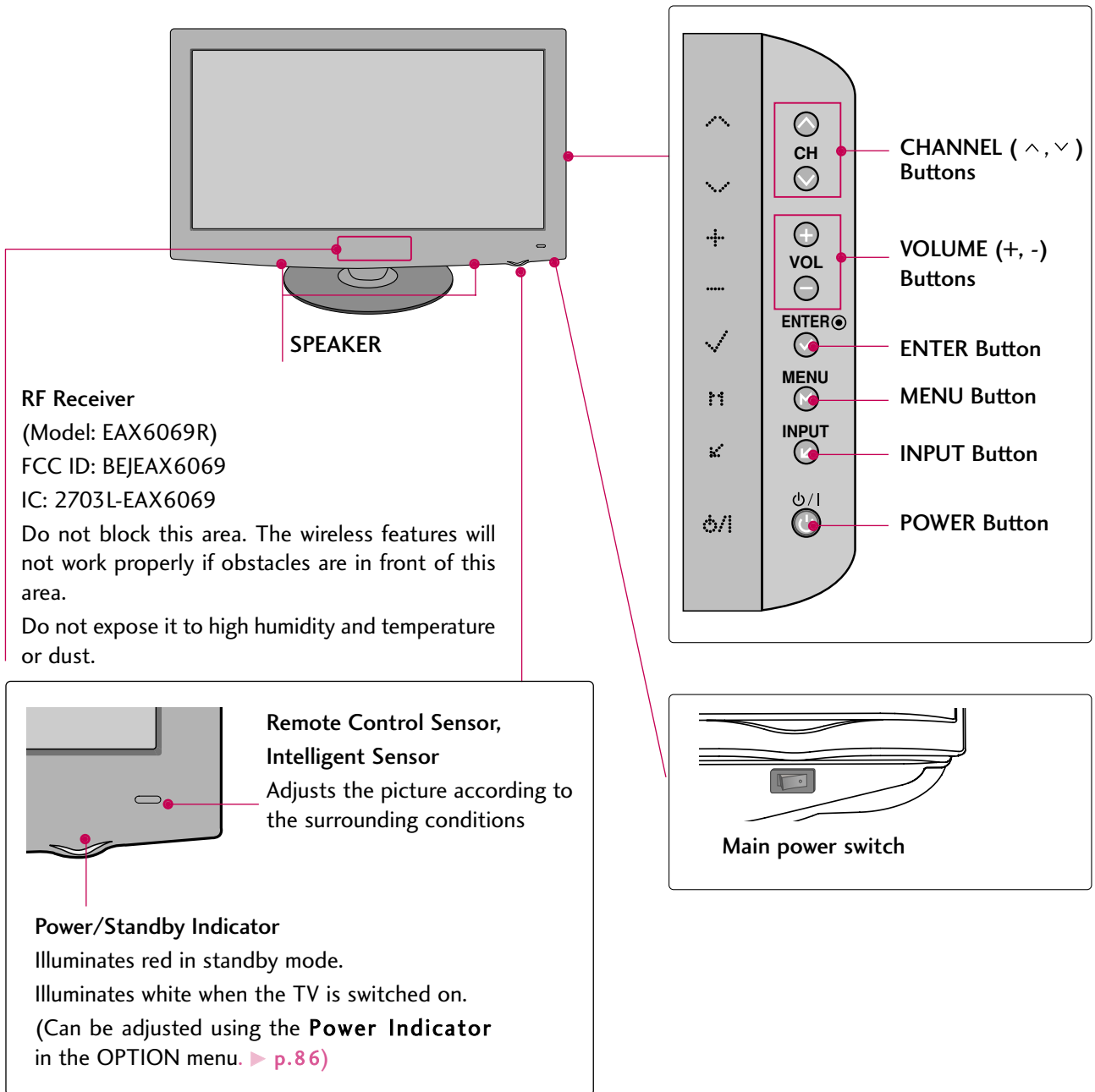
PREPARATION

FRONT PANEL INFORMATION

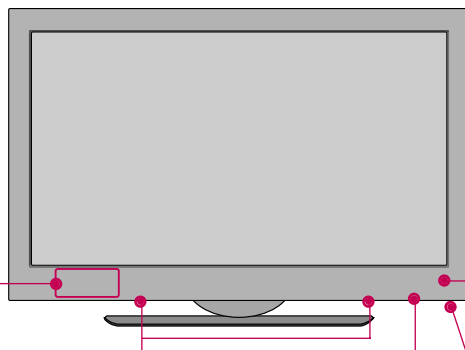
■ Image shown may differ from your product.

PREPARATION

LCD TV (47LH85, 55LH85)



LCD TV (55LHX)



RF Receiver
 (Model: EAX6069R)
 FCC ID: BEJEAX6069
 IC: 2703L-EAX6069

Do not block this area. The wireless features will not work properly if obstacles are in front of this area.

Do not expose it to high humidity and temperature or dust.

SPEAKER

Remote Control Sensor, Intelligent Sensor

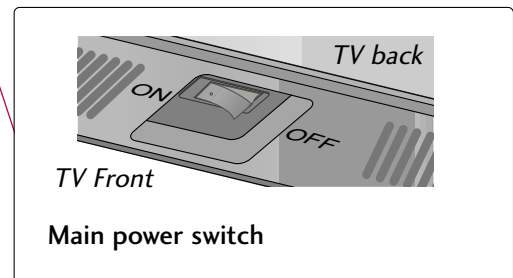
Adjusts the picture according to the surrounding conditions

Power/Standby Indicator

Illuminates red in standby mode.

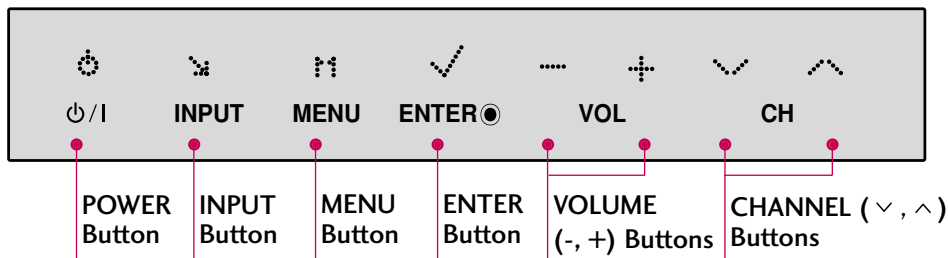
Illuminates Blue when the TV is switched on.

(Can be adjusted using the **Power Indicator** in the OPTION menu. ▶ p.86)



Touch Button

Light the button by touching first. At this time, you can use the desired button function.



PREPARATION

MEDIA BOX

POWER touch button

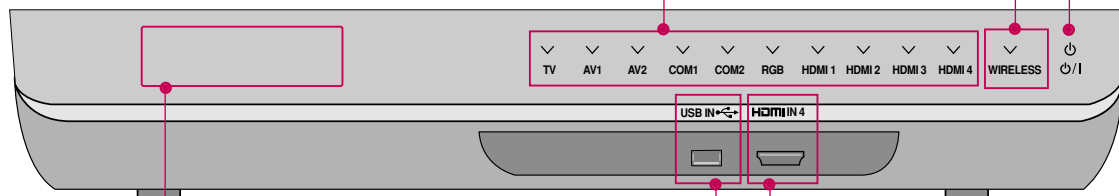
Turn the Media Box on or off by touching. Even if you turn the Media Box off, it turns on again automatically if the TV is switched on (when connected with the media box).

Wireless Connection Indicator

Blinks and then turns on when connecting wirelessly.

Input Source Indicator & INPUT touch button

Select the input source by touching.



RF transmitter

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

Do not place any obstacles between the RF Receiver/Transmitter of the TV and Media Box.

Do not expose it to high humidity and temperature or dust.

HDMI IN

Digital Connection.
Supports HD video and Digital audio.
Doesn't support 480i.

USB INPUT

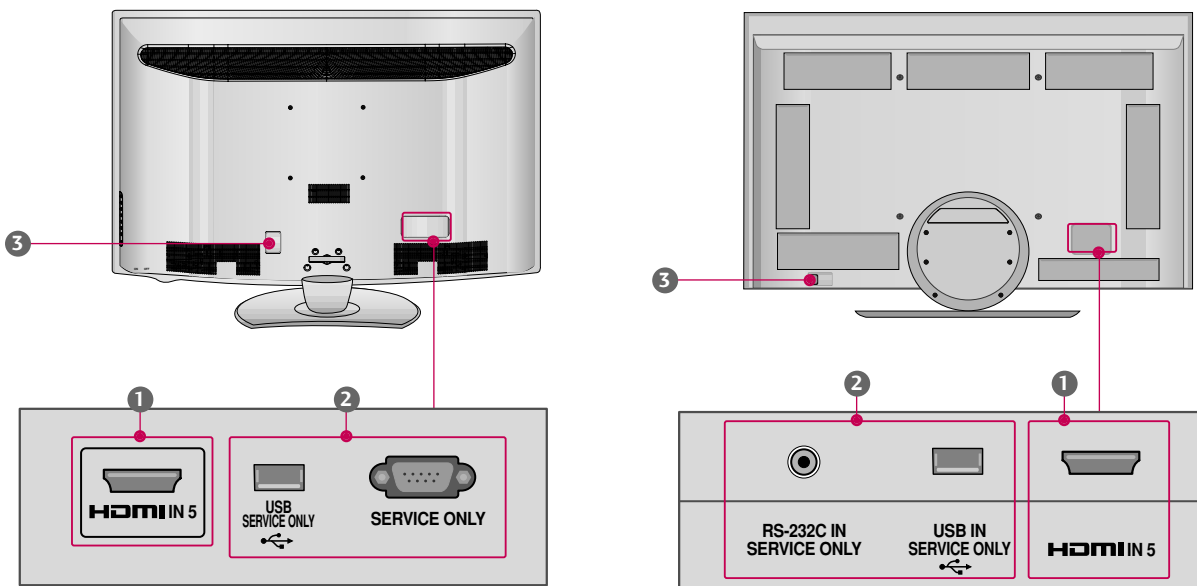
Used for viewing photos, watching movies and listening to MP3s.

* ID Label of Media Box is located at the bottom of Media Box.

BACK PANEL INFORMATION

■ Image shown may differ from your product.

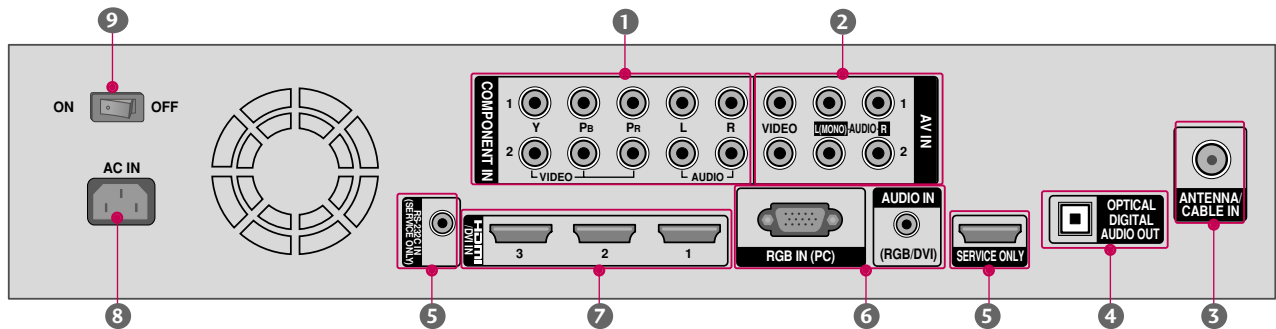
LCD TV



- 1 HDMI IN**
 Digital Connection.
 Supports HD video and Digital audio.
 Doesn't support 480i and SIMPLINK (HDMI-CEC).
- 2 USB SERVICE ONLY, SERVICE ONLY**
 Used for software updates.
- 3 Power Cord Socket**
 For operation with AC power.
 Caution: Never attempt to operate the TV on DC power.

PREPARATION

MEDIA BOX



1 COMPONENT IN

Analog Connection.

Supports HD.

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

2 AV (Audio/Video) IN

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

3 ANTENNA/CABLE IN

Connect over-the air/Cable signals to this jack.

4 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.

5 SERVICE ONLY

Used for software updates.

6 RGB IN (PC)

Analog PC Connection. Uses a D-sub 15 pin cable (VGA cable, not included).

AUDIO IN (RGB/DVI)

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

7 HDMI/DVI 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).

8 Power Cord Socket

For operation with AC power.

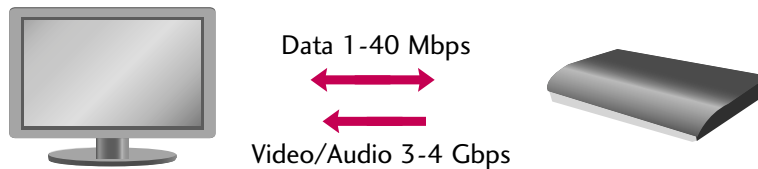
Caution: Never attempt to operate the Media Box on DC power.

9 Main power switch

If you cannot turn the Media Box on with the remote control, turn the power on using the Main power switch and then switch the TV on with POWER button on the remote control.

If you turned the Media Box off using the Main power switch, you cannot turn it on with the remote control.

IMPORTANT THINGS TO KNOW BEFORE INSTALLING THE MEDIA BOX



- The Media Box transmits 1080p HD videos wirelessly using the 60 GHz frequency.
- It transmits uncompressed 1080p HD video to the TV up to 32.8 feet (10 m) in LOS (Line Of Sight).
- It also features beam direction based on the 60 GHz frequency. If there are any obstacles in the way of transmission, the receiver uses an indoor wall or other reflective material and finds an alternative transmission path immediately to avoid the obstacle and maintain the connection.

CAUTIONS IN INSTALLATION

- The performance of radio-signal reception and video quality may differ depending on where the TV and Media Box are located. To get better video quality, make sure to keep the distance between the TV and Media Box within LOS (Line Of Sight) 32.8 feet (10 m) and have them face each other.
- The RF Receiver/Transmitter is located on the front panels of the TV and Media Box. Do not place any obstacle around the RF Receiver/Transmitter. And do not expose it to high humidity and temperature or dust.
- The performance of radio-signal reception may be degraded if the Media Box is installed beside the TV. Press the INFO button on the remote control to check the status of radio-signal reception and install the Media Box where radio-signal reception is **Strong signal** (▶ p.53).

NOTE

- This product is only for home use.
- Do not use this product in medical institutions or near medical devices. It may cause some medical devices to malfunction.
- Video quality may be degraded or reception distance may be shortened depending on the surrounding circumstances.
- If there are any obstacles between the TV and Media Box, the performance of radio-signal reception may be degraded.
- If there are any moving objects between the TV and Media Box, the screen may flicker briefly but will return to normal immediately, and no problem will occur in operation.
- If you install the Media Box out of the maximum range of reception/transmission, connection may fail or video quality may be degraded.
- If you install the Media Box to the left or right side of the TV, video quality may be degraded.
- If you install the Media Box inside a metal cabinet, connection may fail.
- If you install the Media Box on the middle of a table, connection may fail or video quality may be degraded. Install the Media Box close to the edge of a table.
- If there are two wireless TV sets or Media Boxes within LOS (Line Of Sight) 32.8 feet (10 m), they may interfere with each other and wireless connection may fail.
- If you use other 60GHz frequency bandwidth wireless equipments with this product, it may affect the wireless connectivity by interference (To see RF specification, refer to P.121).