LG
Life's Good

OWNER'S MANUAL

# DVD Wireless Home Theater System

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

LHD756W (LHD756W, S76T1-C, S76T1-S, S76T1-W, W3-2)

# Safety Information

**CAUTION**
**RISK OF ELECTRIC SHOCK DO NOT OPEN**

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



This 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 product.

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

**WARNING:** Do not install this equipment in a confined space such as a book case or similar unit.

**CAUTION:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating. The openings shall be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product shall not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to.




**CAUTION:** This product employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Shall the unit require maintenance, contact an authorized service center.
Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.
To prevent direct exposure to laser beam, do not try to open the enclosure.

**CAUTION concerning the Power Cord**

Most appliances recommend they 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 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 service center. 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.

The Power Plug is the disconnecting device. In case of an emergency, the Power Plug must remain readily accessible.

This device is equipped with a portable battery or accumulator.

**Safety way to remove the battery or the battery from the equipment:** Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

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

**CAUTION:** Do not use high voltage products around this product. (ex. Electrical swatter) This product may malfunction due to electrical shock.

**CAUTION:** No naked flame sources, such as lighted candles, should be placed on the apparatus.

## Symbols

| | |
|---|---|
| ~ | Refers to alternating current(AC). |
| ⎓ | Refers to direct current(DC). |
| ⧈ | Refers to class II equipment. |
| ⏻ | Refers to stand-by. |
| I | Refers to “ON” (power). |
| ⚡ | Refers to dangerous voltage. |

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# Unique Features

## Portable In

Listen to music from your portable device. (MP3, Notebook, etc)

## USB Direct Recording

Records music from CD to your USB device.

## Full HD up-scaling

Views Full HD picture quality with simple setup.

## Home Theater Speaker ez Setup

Listen to sounds from TV, DVD and Digital device with vivid 5.1 (2.1 or 2.0) ch mode.

## Bluetooth®

Listens to music stored on your bluetooth device.

# Introduction

## Playable Discs

This unit plays DVD±R/RW and CD-R/RW that contains audio titles, MP3, WMA and/or JPEG files. Some DVD±RW/DVD±R or CD-RW/CD-R cannot be played on this unit due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.

| | |
|---|---|
| DVD VIDEO | DVD-VIDEO (8 cm/12 cm disc)<br>Discs such as movies that can be purchased or rented. |
| DVD R | DVD±R (8 cm/12 cm disc)<br>Video mode and finalized only. |
| DVD RW | DVD-RW (8 cm/12 cm disc)<br>Video mode and finalized only. |
| RW DVD+R | DVD+R: Video mode only<br>Supports the double layer disc also. |
| RW DVD+ReWritable | DVD+RW (8 cm/12 cm disc)<br>Video mode and finalized only. |
| COMPACT disc DIGITAL AUDIO | Audio CD: Music CDs or CD-R/CD-RW in music CD format that can be purchased. |

## About the "⊘" Symbol Display

"⊘" may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that specific media.

## Symbols Used in this Manual

| | |
|---|---|
| DVD | DVD-Video, DVD±R/RW in Video mode or VR mode and finalized |
| ACD | Audio CDs |
| MOVIE | Video files contained in the USB/ Disc |
| MUSIC | Audio files contained in the USB/ Disc |
| PHOTO | Photo files |

### Note

Indicates special notes and operating features.

### Tip

Indicates tip and hints for making the task easier.

### Caution

Indicates cautions for preventing possible damages from abuse.

## Regional Codes

This unit has a regional code printed on the rear of the unit. This unit can play only DVD discs labeled same as the rear of the unit or "ALL"

- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your unit's regional code or the disc cannot play.
- If you try to play a DVD with a different regional code from your unit, the message "Check Regional Code" appears on the TV screen.

# Playable file Requirement

## Music file requirement

MP3/ WMA file compatibility with this unit is limited as follows :

- Sampling frequency : within 32 to 48 kHz (MP3), within 32 to 48 kHz (WMA)
- Bit rate : within 32 to 320 kbps (MP3), 40 to 192 kbps (WMA)
- Support Version : v2, v7, v8, v9
- Maximum files : Under 999
- File extensions : ".mp3"/ ".wma"
- CD-ROM file format : ISO9660/ JOLIET
- We recommend that you use Easy-CD Creator, which creates an ISO9660 file system.
- You have to set the disc format option to [Mastered] in order to make the discs compatible with the LG players when formatting rewritable discs. When setting the option to Live File System, you cannot use it on LG players.(Mastered/ Live File System : Disc format system for Windows Vista)

The DTS is not supported. In case of DTS audio format, audio is not output.

## Photo file requirement

Photo file compatibility with this unit is limited as follows :

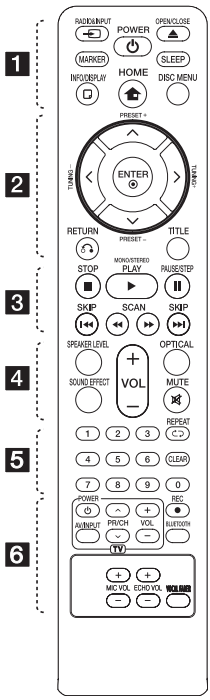
- Max pixel in width : 2760 x 2048 pixel
- Maximum files : Under 999
- Some discs may not operate due to a different recording format or the condition of disc.
- File extensions: ".jpg"
- CD-ROM file format : ISO9660/ JOLIET

## Video file requirement

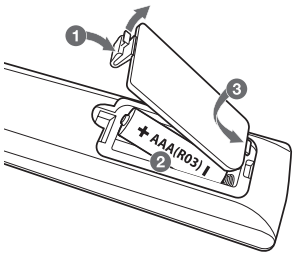
Video file compatibility with this unit is limited as follows:

- Available resolution: within 720 x 576 (W x H) pixels.
- The file name of the Video subtitle should be entered within 45 characters.
- If there is impossible code to express in the Video file, it may be displayed as " _ " mark on the display.
- Frame rate : less than 30 fps.
- If the video and audio structure of recorded files is not interleaved, either video or audio is outputted.
- Playable Video file : ".avi", ".mpg", ".mpeg"
- Playable Subtitle format : SubRip (*.srt/ *.txt), SAMI (*.smi), SubStation Alpha (*.ssa/ *.txt), MicroDVD (*.sub/ *.txt), SubViewer 2.0 (*.sub/ *.txt), Vobsub (*.sub)
- Playable Codec format : "Xvid", "MPEG-1", "MPEG-2"
- Playable Audio format : "AC3", "PCM", "MP3", "WMA",
- Sampling frequency : within 32 to 48 kHz (MP3), within 32 to 48 kHz (WMA)
- Bit rate : within 32 to 320 kbps (MP3), 40 to 192 kbps (WMA)
- For Discs formatted in Live file system, you can not it on this unit.
- If the name of movie file is different from that of the subtitle file, during playback of a Video file, subtitle may not be display.
- If you play a Xvid file differ from Xvid spec, it may not operate normally.
- If you play GMC video file which is more than 1-warp point, video playback screen will not smooth.

# Remote control




## Replacement of battery




Remove the battery cover on the rear of the Remote Control, and insert the battery with ⊕ and ⊖ matched correctly.

**1**

**RADIO&INPUT:** Changes input sources.

**MARKER:** Marks play list.

**POWER:** Switches the unit ON or OFF.

**OPEN/CLOSE:** Opens and closes the disc Drawer.

**SLEEP:** Sets the System to turn off automatically at a specified time. (Dimmer : The display window will be darken by half.)

**INFO/DISPLAY:** Accesses On-Screen Display.

**HOME:** Displays the [Home Menu].

**DISC MENU:** Accesses the menu on a DVD disc.

**2**

**∧ / ∨ / < / >** (up/ down/ left/ right)**:** Used to navigate on-screen displays.

**PRESET +/-:** Selects programme of Radio.

**TUNING +/-:** Tunes in the desired radio station.

**ENTER:** Acknowledges menu selection.
Presetting the radio stations.

**RETURN:** Moves backwards in the menu or exits the setup menu.

**TITLE:** If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may not appear.

**3**

**STOP:** Stops playback.

**PLAY, MONO/STEREO:** Starts playback. Selects Mono/ Stereo.

**PAUSE/STEP:** Pauses playback.

**I◀◀ / ▶▶I SKIP:** Goes to the next or previous chapter / track / file.

**◀◀ / ▶▶ SCAN:** Searches backward or forward.

**4**

**SPEAKER LEVEL:** Sets the sound level of desired speaker.

**SOUND EFFECT:** Selects a sound effect mode.

**VOL -/+ (Volume):** Adjusts speaker volume.

**OPTICAL:** Changes input source to optical directly.

**MUTE:** Mutes the sound.

**5**

**0-9 numerical buttons:** Selects numbered options in a menu.

**REPEAT:** Selects a play mode. (Repeat/ Random)

**CLEAR:** Removes a number when setting the password.

**6**

**TV Control buttons:** Controls the TV. (LG TV only)

- You can control the sound level, input source, and power switching of LG TVs as well. Hold POWER (TV) and press PR/CH ∧ / ∨ button repeatedly until the TV turns on or off.

**REC:** USB Direct Recording.

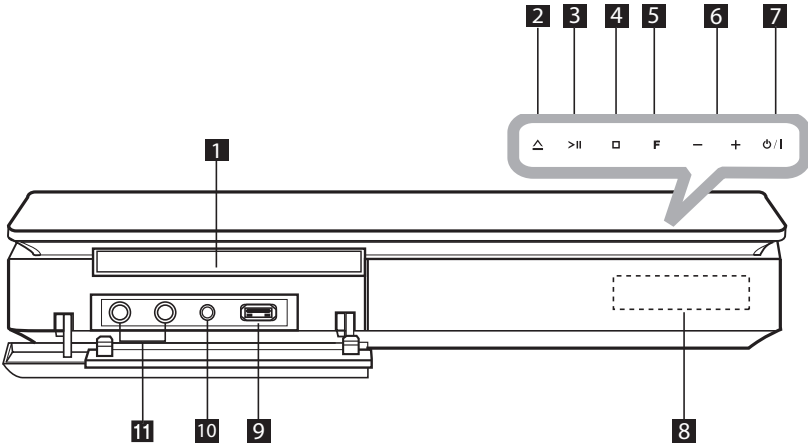
**BLUETOOTH:** Pairing, Connecting and disconnecting your unit and Bluetooth device in function other than the Bluetooth.

**MIC VOL -/+ :** Adjusts microphone volume.

**ECHO VOL -/+ :** Adjusts echo volume.

**VOCAL FADER :** You can enjoy the function as karaoke, by reducing singer vocal of music in the various source.

# Front panel




1 DVD/CD Disc Drawer

2 ⏏ (OPEN/CLOSE)
Opens or closes the disc tray.

3 >II (PLAY/PAUSE)
Starts playback.
Pauses playback temporarily, press again to exit pause mode.

4 □ (STOP)
Stops playback.

5 F (FUNCTION)
Changes the input source or function.

6 VOL(-/ +)
Adjusts speaker volume.

7 ⏻ / I (POWER)
Switches the unit ON or OFF.

8 Display window

9 USB Port
Connects a USB device.

10 PORT. IN
Connects to a portable player with audio outputs.

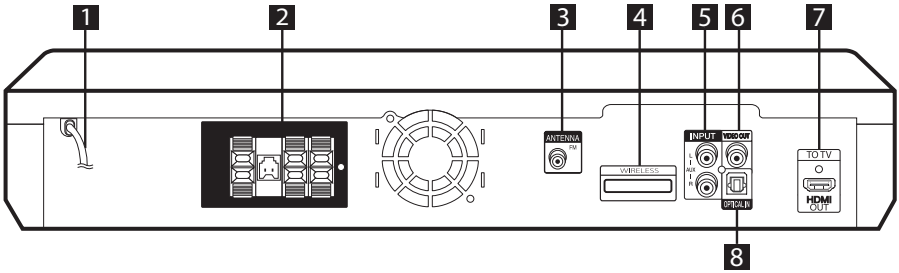
11 Microphone jacks 1/2

**Caution**

Precautions in using the touch buttons

- Use the touch buttons with clean and dry hands.
  - In a humid environment, wipe out any moisture on the touch buttons before using.
- Do not press the touch buttons hard to make it work.
  - If you apply too much strength, it can damage the sensor of the touch buttons.
- Touch the button that you want to work in order to operate the function correctly.
- Be careful not to have any conductive material such as metallic object on the touch buttons. It can cause malfunctions.

# Rear panel




1 Power cord

2 Speaker connectors
Connects the speaker cables.

3 Antenna Connector
FM- Connects the FM wired antenna

4 WIRELESS

5 AUX (L/R) INPUT
Connects to an external source with 2 channel audio outputs.

6 VIDEO OUT
Connects to a TV with video inputs.

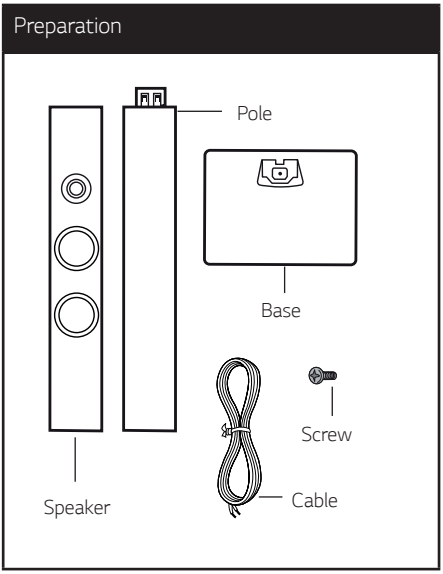
7 HDMI OUT
Connects to TV with HDMI inputs.
(Interface for digital audio and video)

8 OPTICAL IN
Connects to optical audio equipment.

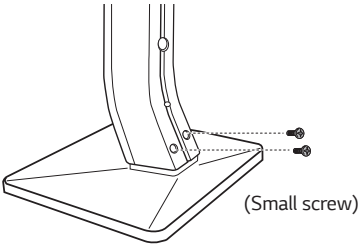
# Assembling the speaker

Before connecting the speakers, assemble the speakers. Please check the items for assembling the speakers.

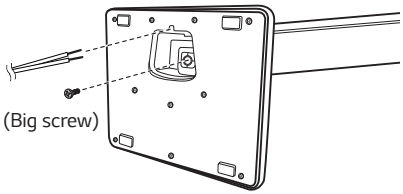
Preparation



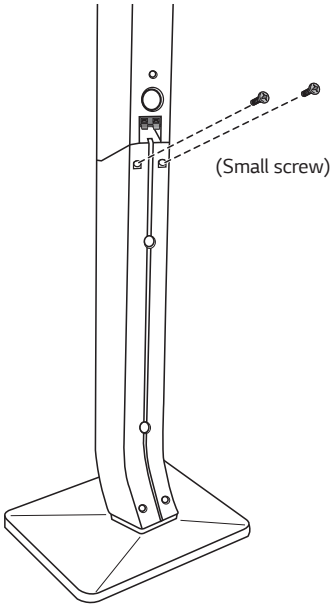

1. Attach the pole to the base, then secure the connection with a supplied screw.




2. Secure the connection with a supplied screw, then insert a speaker wire from the bottom of the base.

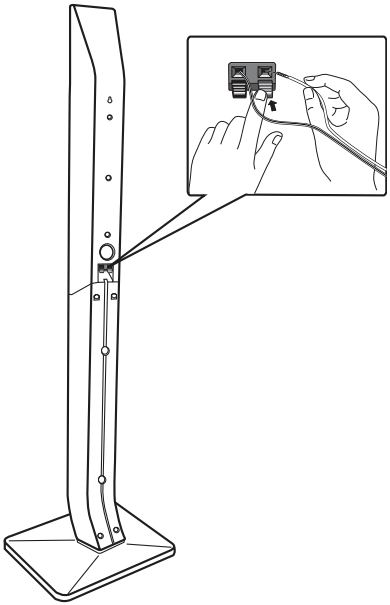



3. Attach the speakers to the speaker stands by rotating the screws.



4. Connect the speaker wire to the terminal on the speaker.

   Make sure the wire marked black goes in to the terminal marked "–" (minus) and the other wire goes in to the terminal marked "+" (plus).



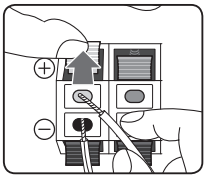
**Caution**

Be careful that the speaker does not fall down. Otherwise it may result in the speaker malfunctioning and causing personal injury and/ or property damage.



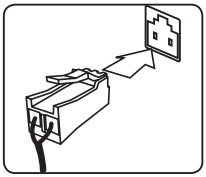
# Attaching the speakers to the unit

1. Connect the wires to the unit.
   Match each wire's colored band to the same colored connection terminal on the rear of the unit. To connect the cable to the unit, press each plastic finger pad to open the connection terminal. Insert the wire and release the finger pad.



   Connect the black stripe of each wire to the terminals marked -(minus) and the other end to the terminals marked + (plus).

   Connect a woofer cord to the player. When connecting a woofer cord to the player, insert the connector until it clicks.



2. Connect the wires to the speakers.
   Connect the other end of each wire to the correct speaker according to the color coding:

| Color | Speaker | Position |
|---|---|---|
| Green | Center | Center |
| Orange | Sub woofer | Any front position |
| Red | Front | Front right |
| White | Front | Front left |

To connect the cable to the speakers, press each plastic finger pad to open the connection terminals on the base of each speaker. Insert the wire and release the finger pad.

**Caution**

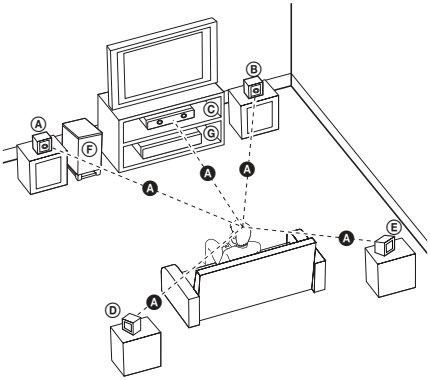
- Be careful to make sure children do not put their hands or any objects into the *speaker duct.
  *Speaker duct : A hole for plentiful bass sound on speaker cabinet (enclosure).
- Place the center speaker at a safe distance from the child's reach. Otherwise it may result in the speaker falling down and causing personal injury and/or property damage.
- The speakers contain magnet parts, so color irregularity may occur on the TV screen or PC monitor screen. Please use the speakers far away from either TV screen or PC monitor.
- Before using the subwoofer, remove the protective vinyl.
- Use the speaker supplied with this unit only. Using any other speaker may cause malfunction.

# Positioning the system

The following illustration shows an example of positioning the system. Note that the illustrations in these instructions differ from the actual unit for explanation purposes.

For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening

position (Ⓐ).




Ⓐ Front left speaker (L)/ Ⓑ Front right speaker (R): Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible.

Ⓒ Center speaker. Place the center speaker above or below the monitor or screen.

Ⓓ Surround left speaker (L)/ Ⓔ Surround right speaker (R):
Place these speakers behind your listening position, facing slightly inwards.

Ⓕ Subwoofer. The position of the subwoofer is not so critical, because low bass sounds are not highly directional. But it is better to place the subwoofer near the front speakers. Turn it slightly toward the center of the room to reduce the wall reflections.

Ⓖ Unit

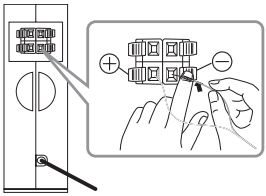
# Wireless speakers connection

## LED indicator of wireless receiver

| LED Color | Operation |
|---|---|
| Yellow | The wireless receiver is receiving the signal of the wireless TX. |
| Red | The Wireless Receiver is in standby mode. |
| Off (No display) | The power cord of wireless receiver is disconnected. |

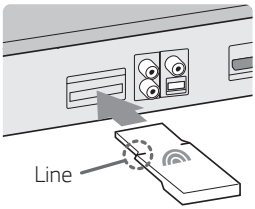
## Setting up the wireless receiver for the first time

1. Connect the Wireless Receiver and the rear speaker (right, left) with the speaker cables.



| Color | Speaker | Position |
|---|---|---|
| Grey | Rear | Rear right |
| Blue | Rear | Rear left |

2. Connect the power cord of the Wireless Receiver to the outlet.
3. Turn off the unit and insert the Wireless TX into the WIRELESS connector on the rear of the unit.




4. Turn on the main unit: The main unit and wireless receiver will be automatically connected.

**Caution**

- Insert the Wireless TX with the marked "Wireless TX" facing upwards to rear on the unit.
- Insert the Wireless TX to the line on the Wireless TX into the WIRELESS connector on the rear of the unit.
- Do not insert a wireless dongle other than the Wireless TX dongle dedicated for the product. The product might be damaged or it may not be removed easily.

## Manually pairing wireless receiver

When your connection is not completed, you can see the red LED on the wireless receiver and rear speakers are not made sound. To solve the problem, follow the below steps.

1. Press and hold ☐ STOP button on the unit and MUTE button on the remote control simultaneously.
   - Displays the "REMATE".
2. Press PAIRING on back of the wireless receiver.
   - The Yellow LED will flicker
3. Turn off and on the unit.
   - If you see Yellow LED, it' s successful.
4. If you don't see Yellow LED, try again Step 1 - Step 3.

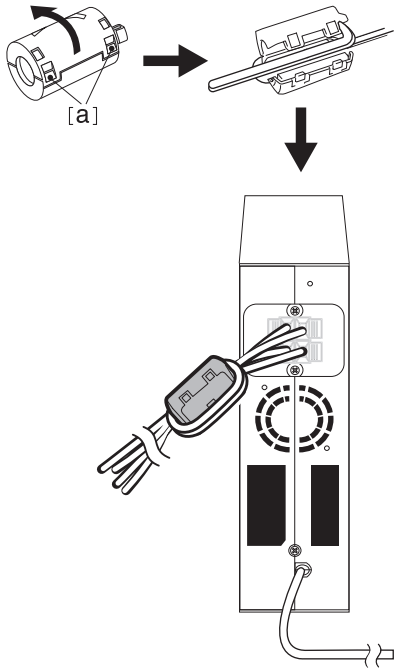
# How to Affix the Ferrite Core

Ferrite core may not be provided depending on each nation's regulations.

## Affix the Ferrite Core for power cord

You must affix a ferrite core in order to reduce or eliminate electrical interference.

1. Pull the stopper [a] of the ferrite core to open.
2. Wind the power cord around the ferrite core once.
3. Close the ferrite core until it clicks.




**Note**

- If there is a strong electromagnetic wave product nearby, interference may occur. Put the unit (Wireless Receiver and main unit) away from there.
- If there is no audio signal for longer than 10 minutes, the Wireless Receiver will automatically switch to standby mode. In power saving mode, both LEDs will turn red. LEDs will turn blue or yellow when there is any audio signal back.
- If you operate main unit then wireless speakers (rear speakers) sound within a few seconds in standby mode.
- Set the distance between this unit and Wireless Receiver within 10 m (32 ft.).
- Optimum performance can be implemented only when the Wireless TX and the Wireless Receiver within distance of 2 m (6 ft.) to 10 m (32 ft.) is used since communication failure may occur if longer distance is used.
- Be sure to match the speaker cable to the appropriate terminal on the components: + to + and – to –. If the cables are reversed, the sound will be distorted and will lack bass.
- It takes a few seconds (and may take longer) for the Wireless TX and Wireless Receiver to communicate with each other.
- Use the rear speaker at least 30 cm (11 inch) away from either TV screen or PC monitor.

# Connections to Your TV

Make one of the following connections, depending on the capabilities of your existing equipment.

**Note**

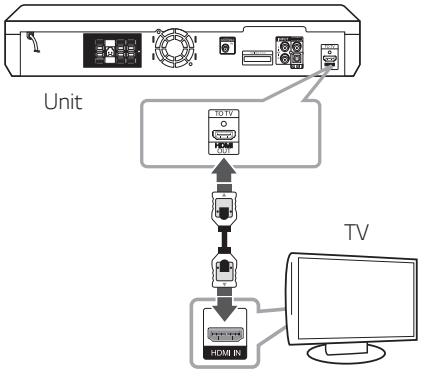
- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Use only one of the connections described in this manual.
- Please refer to the manuals of your TV, Stereo System or other devices as necessary to make the best connections.

**Caution**

- Make sure the unit is connected directly to the TV. Tune the TV to the correct video input channel.
- Do not connect your player via your VCR. The image could be distorted by the copy protection system.

## HDMI Out Connection

If you have a HDMI TV or monitor, you can connect it to this unit using a HDMI cable (Type A, High Speed HDMI™ Cable).
Connect the HDMI OUT jack on the unit to the HDMI IN jack on a HDMI compatible TV or monitor.
Set the TV's source to HDMI (refer to TV's Owner's manual).




**Tip**

- You can fully enjoy digital audio and video signals together with this HDMI connection.
- When you use HDMI connection, you can change the resolution for the HDMI output. (Refer to "Resolution Setting" on page 20.)

**Note**

- If a connected HDMI device does not accept the audio output of the unit, the HDMI device's audio sound may be distorted or may not output.
- When you connect a HDMI or DVI compatible device make sure of the following:
  - Try switching off the HDMI/DVI device and this unit. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this unit.
  - The connected device's video input is set correctly for this unit.
  - The connected device is compatible with 720 x 480i (or 576i), 720 x 480p (or 576p), 1280 x 720p, 1920 x 1080i or 1920 x 1080p video input.
- Not all HDCP-compatible HDMI or DVI devices will work with this unit.
  - The picture will not be displayed properly with non-HDCP device.
  - This unit does not playback and TV screen is changed to black or green screen or the snow noise may occur on the screen.
- If there is noise or lines on the screen, please check the HDMI cable and use a higher version cable than High Speed HDMI™ Cable.

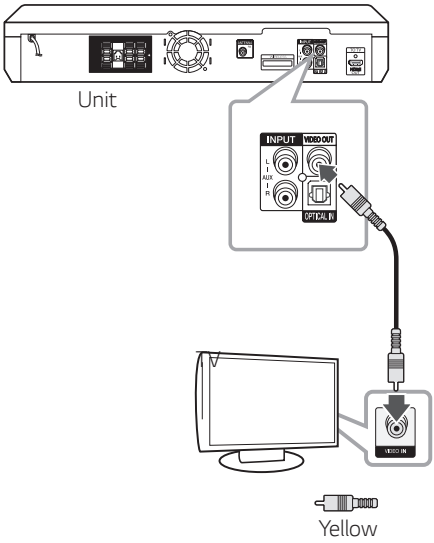
**Caution**

- Changing the resolution when the connection has already been established may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.
- When the HDMI connection with HDCP is not verified, TV screen is changed to black or green screen or the snow noise may occur on the screen. In this case, check the the HDMI connection, or disconnect the HDMI cable.

## Video Connection

Connect the VIDEO OUT jack on the unit to the video in jack on the TV using a video cable.

You can hear the sound through the system's speakers.



## Resolution Setting

The unit provides several output resolutions for HDMI OUT.
You can change the resolution using [Setup] menu.

1. Press **HOME**.
2. Use </> to select the [Setup] and press **ENTER**. The [Setup] menu appears.




3. Use ∧ / ∨ to select [Display] option then press > to move to the second level.
4. Use ∧ / ∨ to select the [Resolution] option then press > to move to the third level.
5. Use ∧ / ∨ to select the desired resolution then press **ENTER** to confirm your selection.

**Note**

If your TV does not accept the resolution you have set on the player, you can set resolution to 480p (or 576p) as follows:

Press ■ **STOP** for more than 5 seconds.

# Video Output Resolution

Displayed resolution in display window and outputted resolution may different according to connection type.

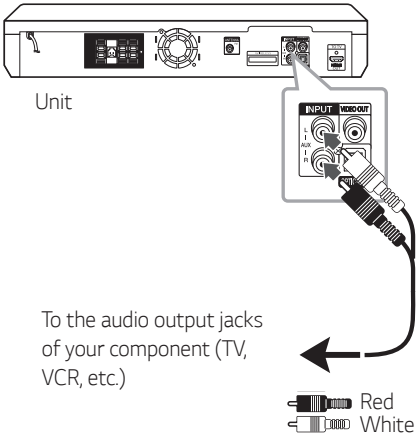
[HDMI OUT] : 1080p, 1080i, 720p and 480p (or 576p) and 480i (or 576i)

[VIDEO OUT] : 480i (or 576i)

# Optional Equipment Connection

## AUX In Connection

Connect an Output of auxiliary device to the AUX (L/R) INPUT Connector.

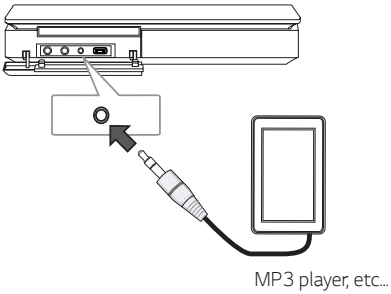



**Note**

If your TV has only one output for audio (mono), connect it to the left (white) audio jack on the unit.

## AUDIO (PORT. IN) In Connection

Connect an output of portable device (MP3 or PMP etc) to the AUDIO (PORT. IN) input connector.




## Listening to music from your portable player or external device

The unit can be used to play the music from many types of portable player or external devices.

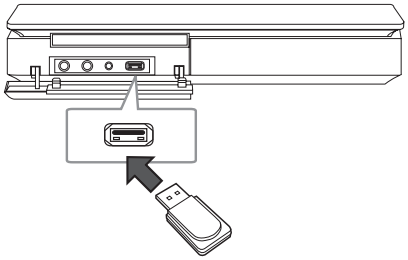
1. Connect the portable player to the PORT. IN (PORTABLE IN) connector of the unit.

   Or

   Connect the external device to the AUX connector of the unit.
2. Turn the power on by pressing ⏻ / I (**POWER**).
3. Select the PORTABLE or AUX (L/R) INPUT function by pressing **RADIO&INPUT.**
4. Turn on the portable player or external device and start it playing.

## USB Connection

Connect the USB port of USB Memory (or MP3 player, etc.) to the USB port on the front of the unit.



**Note**

Removing the USB Device from the unit

1. Choose a different function mode or press ■ **STOP** twice in a row.
2. Remove the USB device from the unit.

### Compatible USB Devices

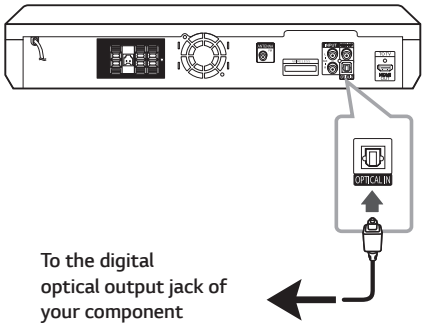
- MP3 Player : Flash type MP3 player.
- USB Flash Drive : Devices that support USB2.0 or USB1.1.
- The USB function of this unit does not support some USB devices.

### USB device requirement

- Devices which require additional program installation connected to a computer, are not supported.
- Do not extract the USB device while in operation.
- For a large capacity USB, it may take longer than a few minute to be searched.
- To prevent data loss, back up all data.
- If you use a USB extension cable or USB hub, the USB device is not recognized.
- Using NTFS file system is not supported. (Only FAT(16/32) file system is supported.)
- This unit is not supported when the total number of files is 1000 or more.
- External HDD, Card readers, Locked devices, or hard type usb devices are not supported.
- USB port of the unit cannot be connected to PC. The unit can not be used as a storage device.

## OPTICAL In connection

Connect an optical output of Unit (or Digital Device etc) to the OPTICAL IN connector.




## Home theater speaker ez setup

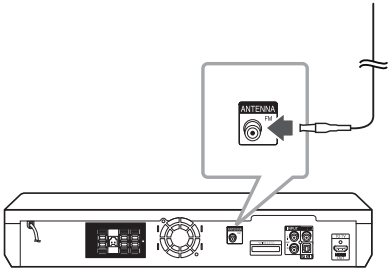
Listen to sound from TV, DVD and Digital Device with 5.1(2.1 or 2)ch mode. Even in power off mode, if you press **OPTICAL**, then power is on and automatically changed to AUX OPT mode.

1. Connect the unit's OPTICAL IN jack to jack on optical out of your TV (or Digital Device etc.).
2. Select the AUX OPT by using the **OPTICAL**. To select the AUX OPT directly.
3. Listen sound with 5.1(2.1 or 2)ch speaker.
4. To escape from AUX OPT by using the **OPTICAL**. Function is retuned to previous one.

# Antenna Connection

Connect the supplied FM antenna for listening to the radio.

Connect the FM Wire antenna to the FM antenna connector.




**Note**

Be sure to fully extend the FM wire antenna.

# Adjust the setup settings

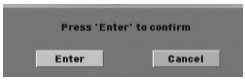
By using the Setup menu, you can make various adjustments to items such as picture and sound.

You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see pages 25 to 29.

## OSD Initial language settings - Optional

During the first use of this unit, the initial language setup menu appears on your TV screen. You must complete initial language selection before using the unit. English will be selected as the initial language.

1. Press ⏻/❙ (POWER) to turn the unit on. The language setup menu will appear on the screen.
2. Use ∧∨<> to select a language then press ⊙ ENTER.
   The confirm menu will appear.




3. Use <> to select the [Enter] then press ⊙ ENTER to finish the language setup.

## To display and exit the Setup menu

1. Press HOME.
   Displays the [Home Menu].




2. Select an [Setup] by using <>.
3. Press ⊙ ENTER.
   Displays the [Setup].
4. Press HOME or RETURN to exit in the [Setup] Menu.

**About help menu for Setup**

| Menu | Buttons | Operation |
|---|---|---|
| ▲▼ Move | ∧∨ | Moving to another menu. |
| ◀ Move | < | Moving to previous level. |
| ▶ Move | > | Moving to next level or selecting menu. |
| Close | RETURN | To exit the [Setup] menu or [ 5.1 Speaker Setup]. |
| ⊙ Select | ⊙ ENTER | To confirm menu. |

# Language

## Menu Language

Select a language for the Setup menu and then on screen display.

## Disc Audio / Disc Subtitle / Disc Menu

Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu.

**[Original]**

Refers to the original language in which the disc was recorded.

**[Other]**

To select another language, press numeric buttons and then ⊙ **ENTER** to enter the corresponding 4-digit number according to the language code list on the page 45. If you enter the wrong language code, press **CLEAR**.

**[Off (for Disc Subtitle)]**

Turn off Subtitle.

# Display

## TV Aspect

Select which screen aspect to use based on the shape of your TV screen.

**[4:3]**

Select when a standard 4:3 TV is connected.

**[16:9]**

Select when a 16:9 wide TV is connected.

## Display Mode

The Display Mode setting works only when the TV Aspect mode is set to 4:3.

**[Letterbox]**

Displays a wide picture with bands on the upper and lower portions of the screen.

**[Panscan]**

Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit. (If the disc/file is not compatible with Pan Scan, the picture is displayed at Letterbox ratio.)

## Resolution

Sets the output resolution of HDMI video signal. Refer to “Resolution Setting” for details about the resolution (page 20).

**[Auto]**

If the HDMI OUT jack is connected to TVs providing display information (EDID), automatically selects the resolution best suited to the connected TV. If VIDEO OUT is only connected, this changes the resolution to 480i (or 576i) as default resolution.

**[1080p]**

Outputs 1080 lines of progressive video.

**[1080i]**

Outputs 1080 lines of interlaced video.

**[720p]**

Outputs 720 lines of progressive video.

**[480p (or 576p)]**

Outputs 480 (or 576) lines of progressive video.

**[480i (or 576i)]**

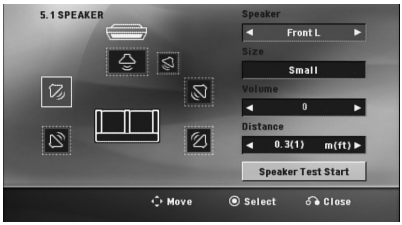
Outputs 480 (or (576) lines of interlaced video.

# Audio

## 5.1 Speaker Setup

Make the following settings for the built-in 5.1 channel surround decoder.

1. Select [5.1 Speaker Setup] on the [Audio] menu.
2. Press ⊙ **ENTER**.
   The [5.1 SPEAKER] appears.




3. Use < > to select the desired speaker.
4. Adjust options using ∧ ∨ < > buttons.
5. Returns to the previous menu by pressing ↶ **RETURN**.

**[Speaker]**

Select a speaker that you want to adjust.

> **Note**
> Certain speaker settings are prohibited by the Dolby Digital licensing agreement.

**[Size]**

Since the speaker settings are fixed, you cannot change the settings.

**[Volume]**

Adjust the output level of each speaker.

**[Distance]**

Adjust the distance between each speaker and the listening position.

**[Speaker Test Start]**

Select [Speaker Test Start] by using the ∧ ∨ and press ⊙ **ENTER**. Press ⊙ **ENTER** again to stop. Adjust the volume to match the volume of test signals memorized in the system.

### DRC (Dynamic Range Control)

Make the sound clear when the volume is turned down (Dolby Digital only). Set to [On] for this effect.

### Vocal

Select [On] to mix karaoke channels into normal stereo.

This function is effective for multi-channel karaoke DVDs only.

### HD AV Sync

Sometimes Digital TV encounters a delay between picture and sound. If this happens you can compensate by setting a delay on the sound so that it effectively 'waits' for the picture to arrive: this is called HD AV Sync. Use ∧∨ (on the remote control) to scroll up and down through the delay amount, which you can set at anything between 0 and 300m sec.

### Semi Karaoke

When a chapter/ title/ track is fully finished, this function shows the score in the screen with a fanfare sound.

**[On]**

When you finished singing a score will appear on the screen.

**[Off]**

Fanfare and score do not appears on the screen.

**Note**

- DVD, DVD Karaoke discs with more than 2 tracks are available discs for the this function.
- When you watch movies, "off " the Semi Karaoke at the SETUP menu or enjoy it without connecting the MIC if the fanfare or score appears during changing a chapter.
- This function operate on the DVD/CD mode.
- The Semi Karaoke function is available only when a microphone is connected.

## Lock (Parental Control)

### Initial Setting the Area Code:

When you use this unit for the first time, you have to set the Area Code.

1. Select the [Lock] menu and then press >.
2. Press >.
   To access the [Lock] options, you must input the password you have created. Input a password and press ⊙ **ENTER**. Enter it again and press ⊙ **ENTER** to verify. If you make a mistake before pressing ⊙ **ENTER**, press **CLEAR**.
3. Select the first character using ∧∨ buttons.
4. Press ⊙ **ENTER** and select the second character using ∧∨ buttons.
5. Press ⊙ **ENTER** to confirm your Area code selection.

### Rating

Blocks playback of rated DVDs based on their contents. Not all discs are rated.

1. Select [Rating] on the [Lock] menu then press >.
2. Input a password and press ⊙ **ENTER**.
3. Select a rating from 1 to 8 using the ∧∨ buttons.

   [Rating 1-8]

   Rating one (1) has the most restrictions and rating eight (8) is the least restrictive.

   [Unlock]

   If you select unlock, parental control is not active and the disc plays in full.
4. Press ⊙ **ENTER** to confirm your rating selection.

## Password

You can enter or change password.

1. Select [Password] on the [Lock] menu and then press >.
2. Press ⊙ **ENTER**.
3. Input a password and press ⊙ **ENTER**.

   To change the password, press ⊙ **ENTER** when the [Change] option is highlighted. Input a password and press ⊙ **ENTER**. Enter it again and press ⊙ **ENTER** to verify.
4. Press **HOME** to exit the menu.

**Note**

If you forget your password, you can clear it using the following steps:

1. Select the [Setup] menu on the [Home Menu].
2. Input the 6-digit number "210499" and press ⊙ **ENTER**. The password is cleared.

## Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 44.

1. Select [Area Code] on the [Lock] menu then press >.
2. Input a password and press ⊙ **ENTER**.
3. Select the first character using ∧ ∨ buttons.
4. Press ⊙ **ENTER** and select the second character using ∧ ∨ buttons.
5. Press ⊙ **ENTER** to confirm your Area code selection.

# Using the Home Menu

1. Press **HOME**.
   Displays the [Home Menu].




2. Select an option by using <>.
3. Press **ENTER** then selected option menu.

[Music] – Displays [MUSIC] menu.

[Movie] – Start video media's playback or displays the [MOVIE] menu.

[Photo] – Displays [PHOTO] menu.

[Setup] – Displays the [Setup] menu.

**Note**

You can not select the [Music], [Movie] or [Photo] option when the USB device is not connected or a disc is not inserted.

# Basic Operations

1. Insert the disc by using the **OPEN/CLOSE** or Connect the USB device to the USB port.
2. Press **HOME**.
   Displays the [Home Menu].
3. Select an option by using <>.
   If you select the [Movie], [Photo] or [Music] option when you connect up to two devices, it appears as belows. Select a media then press **ENTER**.




4. Press **ENTER** then selected option menu.

**Note**

- For the most Audio CD and DVD-ROM discs, playback starts automatically.
- The unit plays only music file contained in the USB storage device or disc automatically.
- The DTS is not supported. In case of DTS audio format, audio is not output.

| To | Do this |
|---|---|
| Stop | Press ■ **STOP**. |
| Playback | Press ▶ **PLAY, MONO/ STEREO**. |
| Pause | Press ❚❚ **PAUSE/STEP**. |
| Frame-by-Frame playback | Press ❚❚ **PAUSE/STEP** repeatedly to play title Frame-by-Frame. (DVD, Movie only) |
| Skipping to the next/ previous chapter/ track/ file | During playback, press ⏮ / ⏭ **SKIP** to go to the next chapter/ track/ file or to return to the beginning of the current chapter/ track/ file.<br>Press ⏮ **SKIP** twice briefly to step back to the previous chapter/ track/ file. |
| Locating a point quickly by playing a file in fast forward or fast reverse | During playback, press ◀◀/ ▶▶ **SCAN** repeatedly to select the required scan speed.<br>To return to normal speed, press ▶ **PLAY, MONO/STEREO**. |
| Playing repeatedly or randomly | Press 🔁 **REPEAT** repeatedly, and the current title, chapter or track will be played back repeatedly or randomly.<br>- DVD : Chapter/ Title/ Off<br>- Video(MOVIE) : Title/ All/ Off<br>- Audio CD/ MP3/ WMA : Track/ All/ Random/ Off |
| Slowing down the playing speed | In the pause mode, press **SCAN** (◀◀ or ▶▶) to select the required speed. (DVD only) |
| | In the pause mode, press ▶▶ **SCAN** to select the required speed. (Movie only) |

# Other Operations

## Displaying Disc Information on-screen

You can display various information about the disc loaded on-screen.

1. Press ⊡ **INFO/DISPLAY** to show various playback information.
   The displayed items differ depending on the disc type or playing status.
2. You can select an item by pressing ∧∨ and change or select the setting by pressing <>.

Title – Current title number/ total number of titles.

Chapter – Current chapter number/ total number of chapters.

Time – Elapsed playing time.

Audio – Selected audio language or channel.

Subtitle – Selected subtitle.

Angle – Selected angle/ total number of angles.

**Note**

If any button is not pressed for a few seconds, the on-screen display disappears.

## To display the DVD Menu

DVD

When you play a DVD which contains several menu, you can select the menu you want using the Menu.

1. Press **DISC MENU**.
   The disc's menu appears.
2. Select the menu by using ∧∨<>.
3. Press ▶ **PLAY, MONO/STEREO** to confirm.

## To display the DVD title

DVD

When you play a DVD which contains several title, you can select the title you want using the Menu.

1. Press **TITLE**.
   The disc's title appears.
2. Select the menu by pressing ∧∨<>.
3. Press ▶ **PLAY, MONO/STEREO** to confirm.

## 1.5 times speed playback

DVD

The 1.5 speed allows you to watch the pictures and listen to the sound quicker than playing at a normal speed.

1. During playback, press ▶ **PLAY, MONO/STEREO** to play at 1.5 times speed. "▶X1.5" appears on the screen.
2. Press ▶ **PLAY, MONO/STEREO** again to exit.

## Screen Saver

The screen saver appears when you leave the unit in Stop mode for about five minutes.

## Starting play from selected time

DVD MOVIE

To start playing at any chosen time on the file or title.

1. Press **INFO/DISPLAY** during playback.
2. Press ∧∨ to select the time clock icon and "--:--:--" appears.
3. Input the required start time in hours, minutes, and seconds from left to right. If you enter the wrong numbers, press **CLEAR** to remove the numbers you entered. Then input the correct numbers.
   For example, to find a scene at 1 hour, 10 minutes, and 20 seconds, enter "11020" by using numerical buttons.
4. Press ⊙ **ENTER** to confirm. Playback starts from the selected time.

## Resume playback

DVD MOVIE MUSIC ACD

The unit records the point where you pressed the ■ **STOP** depending on the disc.
If "❚❚■ (Resume Stop)" appears on the screen briefly, press ▶ **PLAY, MONO/STEREO** to resume playback (from the scene point).

If you press ■ **STOP** twice or unload the disc, "■"(Complete Stop) appears on the screen. The unit will clear the stopped point.

**Note**

- The resume point may be cleared when a button is pressed (for example; ⏻ / ❙ (**POWER**), ⏏ **OPEN/CLOSE**, etc).
- This function may not work on some disc or title/track.

## Changing subtitle code page

MOVIE

If the subtitle is not displayed properly, you can change the subtitle code page to view the subtitle file properly.

1. During playback, press **INFO/DISPLAY** to display the On-Screen display.
2. Use ∧∨ to select the [Code Page] option.
3. Use <> to select desired code option.
4. Press **RETURN** to exit the On-Screen display.

## Marked Playback

MUSIC ACD

The mark function enables you to store your favourite files from any disc or USB device in the unit memory.

1. Select [Music] on the [Home Menu].

Returning to the upper folder. (MP3/ WMA only)

File information will be displayed according to the ID3TAG information on the appropriate music file. (MP3 only)




Selecting all tracks/ files.

Deselecting all tracks/files.

Moving to the previous or next file list.

2. Select a desired music on the [List] by using the ∧ ∨ then press **MARKER** to appears the mark on the list.
3. Press ⊙ **ENTER** or ▶ **PLAY, MONO/STEREO**. Displays the play mode.
4. Select the play mode by using the ∧ ∨ and press ⊙ **ENTER**.

| |
|---|
| **[Mark Play]** |
| Marked playback. |
| **[Current Play]** |
| Normal playback. |

**Note**

If you want to select all files on the list, select [Select All] and press ⊙ **ENTER**.

### To delete a Marker

1. Use ∧ ∨ to select the track that you wish to erase from the marked file.
2. Press **MARKER**.

### To delete all Markers

Use ∧ ∨ < > to select [Deselect All] then press ⊙ **ENTER** in program edit mode.

**Note**

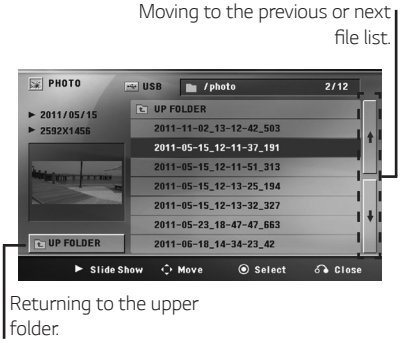
The markers are also cleared when the disc or USB device is removed, the unit is switched to power off or the function is switched to others.

## Viewing a PHOTO file

**PHOTO**

This unit can play discs with photo files.

1. Select [Photo] on the [Home Menu] and press ⊙ **ENTER**.




2. Press ∧∨ to select a folder, and then press ⊙ **ENTER**.
3. If you want to view a slide show, press ∧∨ to highlight a file and press ▶ **PLAY, MONO/ STEREO**.

**About help menu in the [Photo] menu**

| Menu | Buttons | Operation |
|---|---|---|
| ▶ Slide Show | ▶ PLAY, MONO/ STEREO | Viewing a slide show. |
| ▲▼◀▶ Move | ∧∨<> | Moving to another file or content. |
| ⊙ Select | ⊙ ENTER | Viewing a particular file. |
| ↶ Close | ↶ RETURN | Returning to the [Home Menu]. |

**About help menu in the full screen**

| Menu | Buttons | Operation |
|---|---|---|
| Menu | ☐ INFO/ DISPLAY | Displaying the Option menu. |
| ◀/▶ Prev./ Next | </> | Moving to another file. |
| ↶ List | ↶ RETURN | Returning to the [Photo] menu. |

## Options while viewing a photo

You can use various options during viewing a photo in full screen.

1. While viewing a photo in full screen, press ☐ **INFO/DISPLAY** to display the option menu.
2. Select an option using ∧∨<>.




**1** **Current photo/ Total number of photos** – Use <> to view previous/next photo.

**2** **Slide Show ▶/II** – Press ⊙ **ENTER** to start or pause slide show.

**3** **Speed x3/ x2/ x1** – Use ⊙ **ENTER** to select a delaying speed between photos in a slide show.

**4** **Rotate** – Press ⊙ **ENTER** to rotate the photo.

**5** **Go to list** – Press ⊙ **ENTER** to return [Photo] menu.

## Sleep Timer Setting

Press **SLEEP** one or more times to select delay time between 10 and 180 minutes, after the unit will turn off.

To check the remaining time, press **SLEEP**.

To cancel the sleep function, press **SLEEP** repeatedly until "SLEEP 10" appears, and then press **SLEEP** once again while "SLEEP 10" is displayed.

**Note**

You can check the remaining time before the Unit turns off.

Press **SLEEP** The remaining time appears in the display window.

## Dimmer

Press **SLEEP** once. The display window will be darken by half. To cancel it, press **SLEEP** repeatedly until dim off.

## Turn off the sound temporarily

Press **MUTE** to mute your unit.

You can mute your unit in order, for example, to answer the telephone, appears the MUTE in the display window.

## Last Scene Memory

**DVD**

This unit memorizes last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the unit or switch off the unit. If you load a disc that has the scene memorized, the scene is automatically recalled.

## Power Resume - Optional

**DVD**

Even if the power suddenly goes out, turn on the unit and then it plays a position where the contents is being played. System will periodically save current playback status.

## System Select - Optional

You must select the appropriate system mode for your TV system. Press and hold **II PAUSE/STEP** for more than five seconds to be able to select a system in the [Home Menu].

**Note**

If the USB device is connected or a disc is inserted, this function is not operated.

## Adjust the speaker level settings

You can adjust the sound level of each speaker.

1. Press **SPEAKER LEVEL** repeatedly to select a desired speaker to set.
2. Press **VOL -/+** to adjust the sound level of the selected speaker while the level setting memu is displayed on the display window.
3. Repeat and adjust the sound level of the other speakers.

## VOCAL FADER

You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/ WMA/ CD/ etc.) Press the **VOCAL FADER**, and "FADE ON" will appear in display window.

To cancel it, press **VOCAL FADER** again.

The quality of the **VOCAL FADER** may be different depending on the recording conditions of music files.

**Note**

- This function is available to use only when a microphone is connected.
- It is not available on the MONO source.

## Auto power down

This unit will be off itself to save electronic consumption in the case main unit is not connected to external device and is not used for 25 minutes.

So does this unit after six hours since Main unit has been connected to other device using analog input.

# Radio Operations

Be sure that FM aerials are connected.
(Refer to the page 24.)

## Listening to the radio

1. Press **RADIO&INPUT** until FM appears in the display window.
   The last received station is tuned in.
2. Press and hold **TUNING (-/+)** for about two seconds until the frequency indication starts to change, then release. Scanning stops when the unit tunes in a station.

   or

   Press **TUNING (-/+)** repeatedly.
3. Adjust the volume by pressing **VOL (-/+)** repeatedly.

## Presetting the Radio Stations

You can preset 50 stations for FM.

Before tuning, make sure that you have turned down the volume.

1. Press **RADIO&INPUT** until FM appears in the display window.
2. Select the desired frequency by using **TUNING (-/+)**.
3. Press **ENTER** a preset number will flash in the display window.
4. Press **PRESET (-/+)** to select the preset number you want.
5. Press **ENTER**.
   The station is stored.
6. Repeat the steps 2 to 5 to store other stations.

## Deleting all the saved stations

1. Press and hold **CLEAR** for two seconds.
   "ERASE ALL" will flash up on the unit display.
2. Press **CLEAR** to erase all saved of the radio stations.

## Deleting a saved station

1. Press **PRESET - / +** to select a preset number you want to delete.
2. Press **CLEAR**, the preset number will blink in the display window.
3. Press **CLEAR** again, to delete the selectd preset number.

## Improving poor FM reception

Press ▶ **PLAY, MONO/STEREO** on the remote control. This will change the tuner from stereo to mono and usually improve the reception.

# Sound adjustment

## Setting the surround mode

This system has a number of pre-set surround sound fields. You can select a desired sound mode by using **SOUND EFFECT**.

You can change the **SOUND EFFECT** using <> arrow key while the sound effect information is displayed on.

The displayed items for the equalizer maybe different depending on sound sources and effects.

| On Display | Description |
|---|---|
| NAT PLUS | The NAT PLUS is Natural Plus sound effect. You can enjoy the natural sound effect same as a 5.1-channel. |
| NATURAL | You can enjoy comfortable and natural sound. |
| POP<br>CLASSIC<br>JAZZ<br>ROCK | This program lends an enthusiastic atmosphere to the sound, giving you the feeling you are at an actual rock pop, jazz or classic concert. |
| BASS | The BASS is Bass Blast. During playback, reinforce the treble, bass and surround sound effect. |
| LOUDNESS | Improves the bass and treble sound. |
| BYPASS | You can enjoy the sound without equalizer effect. |
| P-FRONT (POWER FRONT) -Optional | You can enjoy the harmonious sound. This mode is suited for front-positioned speakers when they are all placed in a row. |

**Note**

- In some of surround modes, some speakers, there's no sound or low sound. It depends on the mode of surround and the source of audio, it is not defective.
- You may need to reset the surround mode, after switching the input, sometimes even after the sound track changed.
- This function is not operated when the microphone is connected to the unit.

# Advanced Operations

## Recording to USB

You can record music or sound souce to USB device by connecting in to the port on the unit.

1. Connect the USB device to the unit.
2. Select a mode in which you want to record. Play back a sound source first.
3. Start the recording by pressing ● **REC**.
4. To stop recording, press ■ **STOP**.

**[All tracks/ files recording]**

Record to USB in stop or play mode.

**[Program list recording]**

After marking desired file(s) and you can record it to USB (Refer to the page 33).

**It'll be stored as follows.**

| | |
|---|---|
| **Audio CD** | CD_REC<br>TRK_001<br>TRK_002 |
| **MP3/ WMA** | FILE_REC<br>001_ABC(File name)<br>002_DEF(File name) |
| **The other sources (Tuner, AUX, Portable)** | EXT_REC<br>AUDIO_001<br>AUDIO_002 |

**Note**

- You can check the recording percentage rate for the USB record on the screen during the recording. (Audio CD or MP3/ WMA CD only)
- During recording MP3/WMA, there is no sound.
- When you stop recording during playback, the file that has been recorded at that time will be stored. (Audio CD only)
- Do not remove the USB device or turn off the unit during USB recording. If not, an incomplete file may be made and not deleted on PC.
- Recording through microphones is not available.
- If USB recording does not work, the message like "NO USB", "ERROR", "USB FULL" or "NO REC" is displayed on the display window.
- Multi card reader device or external HDD can not be used for USB recording.
- A file is recorded by 128 Mbyte (about 2 hours) when you record for a long term. There are recorded less than 4 files.
- When you stop recording during playback, the file that has been recorded at that time will be stored. (Except MP3/WMA files)
- In the state CD-G, DTS disc USB record is not operated.
- The files in the sub-folders are not recorded during all track recording.
- You may not record more than 999 files.
- The numbering of the recording file is entered from the lowest number. So if you delete some of the recording files, the next recording file could be the lowest number among them.

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offense. This equipment should not be used for such purposes.

**Be responsible**

**Respect copyrights.**

# Using a BLUETOOTH® wireless technology

## About BLUETOOTH

**Bluetooth** is wireless communication technology for short range connection.

(The sound may be interrupted when the connection interfered by the other electronic wave or you connect the **Bluetooth** in the other rooms.)
Connecting individual devices under **Bluetooth** wireless technology does not incur any charges. A mobile phone with **Bluetooth** wireless technology can be operated via the Cascade if the connection was made via **Bluetooth** wireless technology.
Available Devices : Mobile phone, MP3, Laptop, PDA (This units be supported the Stereo Headset.)

## Bluetooth Profiles

In order to use **Bluetooth** wireless technology, devices must be able to interpret certain profiles.This unit is compatible with following profile.

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio/ Video Distribution Remote Control Profile)

Codec : SBC

## Listening to music of a Bluetooth device

Pairing your unit and **Bluetooth** device

Before you start the pairing procedure, make sure the **Bluetooth** feature is turned on in to your **Bluetooth** device. Refer to your **Bluetooth** device's user guide. Once a pairing operation is performed, it does not need to be performed again.

1. Select the **Bluetooth** function by using the RADIO&INPUT.
   Appears "BT" and then "BT READY" in display window.
2. Operate the Bluetooth device and perform the pairing operation. When searching for this unit with the Bluetooth device, a list of the devices found may appear in the Bluetooth device display depending on the type of Bluetooth device.Your unit appears as "LG Audio".
3. Enter the PIN code.
   PIN code : 0000
4. When this unit successfully paired with your Bluetooth device, Bluetooth LED of this unit lights up and appears "PAIRED".

**Note**

Depending on the Bluetooth device type, some device have a different pairing way.

5. Listening to music.
   To play a music stored on your Bluetooth device, refer to your Bluetooth device's user guide.

**Note**

- If you change the function of the unit, the Bluetooth function is disconnected, operate pairing again.
  (Bluetooth ⟷ Function other than the Bluetooth)
- AVRCP cannot be available in this mode.

# Listening to music on this unit using Bluetooth device

## Pairing your unit and Bluetooth device

Before you start the pairing procedure, make sure the Bluetooth feature is turned on in to your Bluetooth device. Refer to your Bluetooth device's user guide. Once a pairing operation is performed, it does not need to be performed again.

1. Select a function other than the Bluetooth function by using the **RADIO&INPUT**.
2. Place the Bluetooth device to be connected to this unit within 1 meter of the unit.
3. Put the Bluetooth device in pairing mode. Refer to your Bluetooth device's user guide.
4. Press and hold **BLUETOOTH**. Appears "INQUIRY". If searched Bluetooth is only one, pairing the unit. Refer the step 7.
5. Appears depending on type of Bluetooth devices in display window .
6. Select a Bluetooth device you want to connect by using ∧ ∨ and press **ENTER**.
7. Enter the PIN code by using numberical buttons. PIN code : 0000
8. Press **ENTER** to confirm. When this unit successfully paired with your Bluetooth device, Bluetooth icon of this unit lights up and appears "BT SRC". You can listen to music played on this unit using your Bluetooth device. Sound output from the speakers is stopped.

**Note**

You cannot use VOL (volume), SOUND EFFECT, SPEAKER LEVEL in this mode.

## Operating with Bluetooth device

You can operate a unit by connecting a Bluetooth device using AVRCP. For details about operation, refer to the Bluetooth device's User Guide.

**Note**

These operations may not be vailable for certain Bluetooth device. In addition, the actual operations may differ depending on the connected Bluetooth device.

## Connecting and disconnecting with a Bluetooth device

This function is operated after pairing.

Press **BLUETOOTH** to connect or disconnect with a Bluetooth device.

Appears belows in display window.

Connection : BT CONN
Disconnection : DISCONN

**Note**

If you change the function of the unit, the Bluetooth function is disconnected, press BLUETOOTH pairing again.
(Bluetooth ⟷ Function other than the Bluetooth)

## Checking the information of connected Bluetooth device

This function is operated after pairing. You can check the Bluetooth information.

Press and hold **INFO/DISPLAY** repeatedly. Bluetooth information is changed as follows.

Local Bluetooth Device Address ⟶ Device Name ⟶ None ⟶ ...

**Note**

- This units dose not be supported the Mono Headset Profile (Hands Free Profile)
- The sound may be interrupted when the connection interfered by the other electronic wave.
- You cannot control the Bluetooth device with this unit.
- Pairing is limited one Bluetooth device per one unit and multi-pairing is not supported.
- Although the distance between your Bluetooth and the set is less than 10 m, there are obstacles between both, your Bluetooth device cannot be connected.
- Depending on the type of the device, you may not be able to use the Bluetooth function.
- You can enjoy wireless system using phone, MP3, Notebook, headset, etc..
- When not connected the Bluetooth, "BT READY" appears on the display window.
- The Electrical malfunction due to devices using same frequency such as Medical equipment, Microwaves or wireless LAN devices, the connection will be disconnected.
- When someone stands and interrupts communication between Bluetooth device and the player, the connection will be disconnected.
- If the gotten away of the distance between Bluetooth and the unit, the sound quality is lower and lower the connection will disconnect when the space between the Bluetooth and the unit gets out of the operating range of Bluetooth.
- The device with Bluetooth wireless technology is disconnected, if you turn off the main unit or put the device away from the main unit more than 10 m.

# Troubleshooting

| PROBLEM | CORRECTION |
|---|---|
| The unit does not work properly. | • Turn off the power of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and turn it on again.<br>• Disconnect the power cord of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and then try connecting again. |
| No power | • Plug the power cord into the wall outlet securely. |
| No picture | • Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen. |
| | • Connect the video cables securely to both the TV and unit. |
| There is little or no sound | • Select the correct input mode of the unit so you can hear the sound from the unit. |
| | • Connect the audio cables into the connection terminals correctly. |
| | • Replace with a new audio cable. |
| The DVD picture quality is poor | • Clean the disc using a soft cloth with outward strokes. |
| A DVD/CD will not play | • Insert a disc. |
| | • Insert a playable disc (check the disc type, colour system and regional code). |
| | • Place the disc with the label or printed side facing upwards. |
| | • Enter your password or change the rating level. |
| Humming noise heard while a DVD or CD is playing | • Clean the disc using a soft cloth with outward strokes. |
| | • Move unit and audio components further away from your TV. |
| Radio stations can't be tuned in properly | • Check the antenna connection and adjust its position. |
| | • Attach an external aerial if necessary. |
| | • Tune to the station manually. |
| | • Preset some radio stations, see page 36 for details. |
| The remote control doesn't work well / at all | • The remote is not pointed directly at the unit.<br>Point the remote directly at the unit. |
| | • The remote is too far from the unit.<br>Use the remote within 23 feet (7m) of the unit. |
| | • There is an obstacle in the path between the remote control and the unit.<br>Remove the obstacle. |
| | • The battery in the remote control are flat.<br>Replace the battery with new ones. |

# Maintenance

## Handling the Unit

### When shipping the unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

Keeping the exterior surfaces clean

- Do not use volatile liquids such as insecticide spray near the unit.
- Wiping with strong pressure may damage the surface.
- Do not leave rubber or plastic products in contact with the unit for a long period of time.

### Cleaning the unit

To clean the player, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

### Maintaining the Unit

The unit is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality could be diminished. For details, please contact your nearest authorized service center.

## Notes on Discs

### Handling Discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.

### Storing Discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

### Cleaning Discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center to out.

Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

# Area Code List

Choose an area code from this list.

| Area | Code | Area | Code | Area | Code | Area | Code |
|---|---|---|---|---|---|---|---|
| Afghanistan | AF | Fiji | FJ | Monaco | MC | Singapore | SG |
| Argentina | AR | Finland | FI | Mongolia | MN | Slovak Republic | SK |
| Australia | AU | France | FR | Morocco | MA | Slovenia | SI |
| Austria | AT | Germany | DE | Nepal | NP | South Africa | ZA |
| Belgium | BE | Great Britain | GB | Netherlands | NL | South Korea | KR |
| Bhutan | BT | Greece | GR | Antilles | AN | Spain | ES |
| Bolivia | BO | Greenland | GL | New Zealand | NZ | Sri Lanka | LK |
| Brazil | BR | Hong Kong | HK | Nigeria | NG | Sweden | SE |
| Cambodia | KH | Hungary | HU | Norway | NO | Switzerland | CH |
| Canada | CA | India | IN | Oman | OM | Taiwan | TW |
| Chile | CL | Indonesia | ID | Pakistan | PK | Thailand | TH |
| China | CN | Israel | IL | Panama | PA | Turkey | TR |
| Colombia | CO | Italy | IT | Paraguay | PY | Uganda | UG |
| Congo | CG | Jamaica | JM | Philippines | PH | Ukraine | UA |
| Costa Rica | CR | Japan | JP | Poland | PL | United States | US |
| Croatia | HR | Kenya | KE | Portugal | PT | Uruguay | UY |
| Czech Republic | CZ | Kuwait | KW | Romania | RO | Uzbekistan | UZ |
| Denmark | DK | Libya | LY | Russian Federation | RU | Vietnam | VN |
| Ecuador | EC | Luxembourg | LU | Saudi Arabia | SA | Zimbabwe | ZW |
| Egypt | EG | Malaysia | MY | Senegal | SN | | |
| El Salvador | SV | Maldives | MV | | | | |
| Ethiopia | ET | Mexico | MX | | | | |

# Language code List

Use this list to input your desired language for the following initial settings: [Disc Audio], [Disc Subtitle] and [Disc Menu].

| Language | Code | Language | Code | Language | Code | Language | Code |
|---|---|---|---|---|---|---|---|
| Afar | 6565 | French | 7082 | Lithuanian | 7684 | Sindhi | 8368 |
| Afrikaans | 6570 | Frisian | 7089 | Macedonian | 7775 | Singhalese | 8373 |
| Albanian | 8381 | Galician | 7176 | Malagasy | 7771 | Slovak | 8375 |
| Ameharic | 6577 | Georgian | 7565 | Malay | 7783 | Slovenian | 8376 |
| Arabic | 6582 | German | 6869 | Malayalam | 7776 | Spanish | 6983 |
| Armenian | 7289 | Greek | 6976 | Maori | 7773 | Sudanese | 8385 |
| Assamese | 6583 | Greenlandic | 7576 | Marathi | 7782 | Swahili | 8387 |
| Aymara | 6588 | Guarani | 7178 | Moldavian | 7779 | Swedish | 8386 |
| Azerbaijani | 6590 | Gujarati | 7185 | Mongolian | 7778 | Tagalog | 8476 |
| Bashkir | 6665 | Hausa | 7265 | Nauru | 7865 | Tajik | 8471 |
| Basque | 6985 | Hebrew | 7387 | Nepali | 7869 | Tamil | 8465 |
| Bengali; Bangla | 6678 | Hindi | 7273 | Norwegian | 7879 | Telugu | 8469 |
| Bhutani | 6890 | Hungarian | 7285 | Oriya | 7982 | Thai | 8472 |
| Bihari | 6672 | Icelandic | 7383 | Panjabi | 8065 | Tonga | 8479 |
| Breton | 6682 | Indonesian | 7378 | Pashto, Pushto | 8083 | Turkish | 8482 |
| Bulgarian | 6671 | Interlingua | 7365 | Persian | 7065 | Turkmen | 8475 |
| Burmese | 7789 | Irish | 7165 | Polish | 8076 | Twi | 8487 |
| Byelorussian | 6669 | Italian | 7384 | Portuguese | 8084 | Ukrainian | 8575 |
| Chinese | 9072 | Japanese | 7465 | Quechua | 8185 | Urdu | 8582 |
| Croatian | 7282 | Kannada | 7578 | Rhaeto-Romance | 8277 | Uzbek | 8590 |
| Czech | 6783 | Kashmiri | 7583 | Rumanian | 8279 | Vietnamese | 8673 |
| Danish | 6865 | Kazakh | 7575 | Russian | 8285 | Volapük | 8679 |
| Dutch | 7876 | Kirghiz | 7589 | Samoan | 8377 | Welsh | 6789 |
| English | 6978 | Korean | 7579 | Sanskrit | 8365 | Wolof | 8779 |
| Esperanto | 6979 | Kurdish | 7585 | Scots Gaelic | 7168 | Xhosa | 8872 |
| Estonian | 6984 | Laothian | 7679 | Serbian | 8382 | Yiddish | 7473 |
| Faroese | 7079 | Latin | 7665 | Serbo-Croatian | 8372 | Yoruba | 8979 |
| Fiji | 7074 | Latvian, Lettish | 7686 | Shona | 8378 | Zulu | 9085 |
| Finnish | 7073 | Lingala | 7678 | | | | |

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"DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation.



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**What is SIMPLINK?**

Some functions of this unit are controlled by the TV's remote control when this unit and LG TV's with SIMPLINK are connected through HDMI connection.

Controllable functions by LG TV's remote control : Power on/off, volume up/down, etc.

Refer to the TV owner's manual for the details of SIMPLINK function.

LG TV's with SIMPLINK function has the logo as shown above.

## Notes on Copyrights

- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi. Reverse engineering or disassembly is prohibited.
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorized recording, use, display, distribution, or revision of television programs, videotapes, BD-ROM discs, DVDs, CDs and other materials may subject you to civil and/or criminal liability.

# Specifications

| General | |
|---|---|
| Power requirements | Refer to main label. |
| Power consumption | Refer to main label. |
| Dimensions (W x H x D) | (440 x 65 x 298) mm without foot |
| Net Weight (Approx.) | 3.2 kg |
| Operating temperature | 5 °C to 35 °C |
| Operating humidity | 5 % to 90 % |
| Bus Power Supply | USB 5 V ⎓ 500 mA |

| Inputs/ Outputs | |
|---|---|
| VIDEO OUT | 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1 |
| HDMI OUT (video/audio) | 19 pin (Type A, HDMI™ Connector ) |
| ANALOG AUDIO IN | 2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R) x 1 |
| DIGITAL IN (OPTICAL) | 3 V (p-p), Optical jack x 1 |
| PORT. IN | 0.5 Vrm (3.5 mm stereo jack) |

| Amplifier | | |
|---|---|---|
| Stereo mode | 196 W + 196 W (4 Ω at 1kHz) | |
| Surround mode | Front | 196 W + 196 W (4 Ω at 1 kHz) |
| | Center | 196 W (4 Ω at 1 kHz) |
| | Surround | 196 W + 196 W (4 Ω at 1 kHz) |
| | Subwoofer | 220 W (3 Ω at 60 Hz) |

| Tuner | |
|---|---|
| FM Tuning Range | 87.5 to 108.0 MHz or 87.50 to 108.00 MHz |

| Wireless receiver | |
|---|---|
| Power requirements | Refer to main label on the wireless receiver |
| Power consumption | Refer to main label on the wireless receiver |
| External dimensions (WxHxD) | (60 X 220 X 175) mm |
| Net Weight | 0.9 kg |

| Front Speaker | |
|---|---|
| Type | 2 Way 3 speaker |
| Impedance Rated | 4 Ω |
| Input Power | 196 W |
| Max. Input Power | 392 W |
| Net Dimensions (W x H x D) | (280 X 1152 X 225) mm |
| Net Weight | 3.68 kg |

| Rear Speaker | |
|---|---|
| Type | 2 Way 3 speaker |
| Impedance Rated | 4 Ω |
| Input Power | 196 W |
| Max. Input Power | 392 W |
| Net Dimensions (W x H x D) | (280 X 1152 X 225) mm |
| Net Weight | 3.68 kg |

| Centre Speaker | |
|---|---|
| Type | 2 Way 3 speaker |
| Impedance Rated | 4 Ω |
| Input Power | 196 W |
| Max. Input Power | 392 W |
| Net Dimensions (W x H x D) | (327 x 99 x 76) mm |
| Net Weight | 1.04 kg |

| Passive Subwoofer | |
|---|---|
| Type | 1 Way 1 Speaker |
| Impedance Rated | 3 Ω |
| Input Power | 220 W |
| Max. Input Power | 440 W |
| Net Dimensions (W x H x D) | (190 X 385 X 358) mm |
| Net Weight | 5.54 kg |

Design and specifications are subject to change without notice.


LG
Life's Good