



ENGLISH


Network Blu-ray Disc Home Theater System

Owner's Manual

Model: LHB953



Netflix Support
For help with Netflix Instant Streaming:
Call 1-866-579-7113 or
Visit www.netflix.com/help



As an ENERGY STAR® Partner, LG has determined that this product or product models meet the ENERGY STAR® guidelines for energy efficiency.

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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.



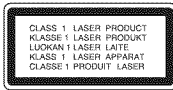
This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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. Visible laser radiation when open. **DO NOT STARE INTO BEAM.**

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

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. To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

FCC WARNING: This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

REGULATORY INFORMATION: FCC Part 15

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 when the product is operated in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product 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 product and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC COMPLIANCE: The responsible party for this product's compliance is:
 LG Electronics U.S.A., Inc., 1000 Sylvan Avenue,
 Englewood Cliffs, NJ.
 Phone: 1-201-816-2000.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. 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.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.

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Before connecting, operating or adjusting this product, please read this instruction booklet carefully and completely.

Notes on Copyrights

- Because AACS (Advanced Access Content System) is approved as content protection system for BD format, similar to use of CSS (Content Scramble System) for DVD format, certain restrictions are imposed on playback, analog signal output, etc., of AACS protected contents. The operation of this product and restrictions on this product may vary depending on your time of purchase as those restrictions may be adopted and/or changed by AACS after the production of this product. Furthermore, BD-ROM Mark and BD+ are additionally used as content protection systems for BD format, which imposes certain restrictions including playback restrictions for BD-ROM Mark and/or BD+ protected contents. To obtain additional information on AACS, BD-ROM Mark, BD+, or this product, please contact an authorized Customer Service Center.
- Many BD-ROM/DVD discs are encoded with copy protection. Because of this, you should only connect your player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected discs.
- This product incorporates copyright protection technologies that are protected by certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. 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.

Software Update

The software of the player can be updated by connecting it to the Internet using the LAN cable. We recommend to update the player using the latest software to enhance the products operation and/or add new features (see page 19-20).

To use BD-Live functionality

You must attach an external USB device using the USB port (see page 22).



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; Play, Pause, Scan, Skip, Stop, Power Off, etc.
- Refer to the TV owner's manual for the details of SIMPLINK function.
- LG TV's with SIMPLINK function have the logo as shown above.

Notes:

- Depending on the disc type or playing status, some SIMPLINK operation may differ from your purpose or not work.
- If "SIMPLINK" function does not work, check that your HDMI cable supports by CEC (Consumer Electronics Control) for HDMI.
- If the sound is output from both the system's speakers and TV speaker or not output from both them during SIMPLINK operation, reset speaker setting of LG TV's SIMPLINK menu.

Licenses

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"BD-LIVE" logo is trademark of Blu-ray Disc association.

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

"x.v.Color" is a trademark of Sony Corporation. "Blu-ray Disc" is a trademark.

"BONUSVIEW" is trademark of Blu-ray Disc Association.

This product is licensed under the AVC patent portfolio license and VC-1 patent portfolio license for the personal and non-commercial use of a consumer to (i) encode video in compliance with the AVC Standard and VC-1 Standard ("AVC/VC-1 Video") and/or (ii) decode AVC/VC-1 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed to provide AVC/VC-1 Video. No license is granted or shall be implied for any other use. Additional information may be obtained from MPEG LA, LLC. See <http://www.mpegla.com>.

"AVCHD" and the AVCHD logo are trademarks of Panasonic and Sony Corporation.

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.


iPhone is a trademark of Apple Inc.

Introduction

To ensure proper use of this product, please read this owner's manual carefully and retain for future reference.

This manual provides information on the operation and maintenance of your player. Should the unit require service, contact an authorized service location.

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

Note:

Indicates special notes and operating features.

Tip:

Indicates tips and hints for making the task easier.

A section whose title has one of the following symbols are applicable only to the disc represented by the symbol.

ALL	All discs listed below
BD	BD-ROM disc
DVD	DVD-Video, DVD±R/RW in Video mode or VR mode and finalized
AVCHD	DVD±R/RW in AVCHD format
ACD	Audio CDs
MP3	MP3 files
WMA	WMA files

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 out.

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

Playable Discs



Blu-ray Disc

- Discs such as movies that can be purchased or rented
 - BD-R/RE discs that contain audio titles, MP3, WMA, or Photo files.
-



DVD-VIDEO (8 cm / 12 cm disc)

Discs such as movies that can be purchased or rented



DVD-R (8 cm / 12 cm disc)

- Video mode and finalized only
 - Supports the dual layer disc also
 - AVCHD format
 - DVD-R discs that contain audio titles, MP3, WMA, or Photo files.
-



DVD-RW (8 cm / 12 cm disc)

- VR mode, Video mode and finalized only
 - AVCHD format
 - DVD-RW discs that contain audio titles, MP3, WMA, or Photo files.
-



DVD+R (8 cm / 12 cm disc)

- Finalized disc only
 - Supports the dual layer disc also
 - AVCHD format
 - DVD+R discs that contain audio titles, MP3, WMA, or Photo files.
-



DVD+RW (8 cm / 12 cm disc)

- Video mode and finalized only
 - AVCHD format
 - DVD+RW discs that contain audio titles, MP3, WMA, or Photo files.
-



Audio CD (8 cm / 12 cm disc)

Audio CDs or CD-Rs/CD-RWs in audio CD format that can be purchased



CD-R/CD-RW (8 cm / 12 cm disc)

CD-R/CD-RW discs that contain audio titles, MP3, WMA, or Photo files.

Notes:

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/RW) disc itself, some CD-R/RW (or DVD±R/RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). Doing so may result in malfunctions.
- Depending on the recording software & the finalization, some recorded discs (CD-R/RW or DVD±R/RW) may not be playable.
- DVD±R/RW and CD-R/RW discs recorded using a personal computer or a DVD or CD Recorder may not play if the disc is damaged or dirty, or if there is dirt or condensation on the player's lens.
- If you record a disc using a personal computer, even if it is recorded in a compatible format, there are cases in which it may not play because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.)
- This player requires discs and recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files) and these require certain pre-existing conditions to ensure compatible playback.
- Customers should note that permission is required in order to download MP3 / WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.
- 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 System, you cannot use it on LG player. (Mastered/Live File System : Disc format system for windows Vista)

BD-ROM Disc Features

BD-ROM Discs can store 25 GB (single layer) or 50 GB (dual layer) on a single sided disc - about 5 to 10 times the capacity of a DVD.

BD-ROM Discs also support the highest quality HD video available in the industry (up to 1920 x 1080) - Large capacity means no compromise on video quality. Furthermore, a BD-ROM disc has the same familiar size and look as DVD.

- The following BD-ROM disc features are disc dependent and will vary.
- Appearance and navigation of features will also vary from disc to disc.
- Not all discs will have the features described below.
- BD-ROM, Hybrid disc have both BD-ROM and DVD (or CD) layers on one side. On such discs, BD-ROM layer will be only played back in this player.

Video highlights

The BD-ROM format for movie distribution supports three highly advanced video codecs, including MPEG-2, MPEG4 AVC (H.264), and SMPTE VC1. HD video resolutions are also available:

- 1920 x 1080 HD
- 1280 x 720 HD

Graphic planes

Two individual, full HD resolution (1920x1080) graphic planes (layers) are available, on top of the HD video layer. One plane is assigned to video-related, frame accurate graphics (like subtitles), and the other plane is assigned to interactive graphic elements, such as buttons or menus. For both planes, various wipes, fades and scroll effects may be available.

For High-Definition Playback

To view high-definition contents from BD-ROM discs, an HDTV is required. Some discs may require HDMI OUT for viewing of high-definition contents. Ability to view high-definition contents in BD-ROM discs may be limited depending on the resolution of your TV.

Menu sounds

When you highlight or select a menu option, sounds can be heard such as button clicks or a voice-over explaining the highlighted menu choice.

Multi-page/PopUp Menus

With DVD-Video, playback is interrupted each time a new menu screen is accessed. Due to BD-ROM disc's ability to preload data from the disc without interrupting playback, a menu can consist of several pages.

You can browse through the menu pages or select different menu paths, while the audio and video remain playing in the background.

Interactivity

Certain BD-ROM Discs may contain animated menus and/or trivia games.

User Browsable Slideshows

With BD-ROM Discs, you can browse through various still pictures while the audio remains playing.

Subtitles

Depending on what is contained on the BD-ROM disc, you may be able to select different font styles, sizes and colors for some subtitles. Subtitles may also be animated, scrolled or faded in and out.

BD-J Interactive Capability

The BD-ROM format supports Java for interactive functions. "BD-J" offers content providers almost unlimited functionality when creating interactive BD-ROM titles.

BD-ROM Disc Compatibility

This player supports BD-ROM Profile 2.

- Discs supporting BD-Live (BD-ROM version 2 Profile 2) that allows interactive functions to be used when this unit is connected to the Internet in addition to the BONUSVIEW function.
- Discs supporting BONUSVIEW (BD-ROM version 2 Profile 1 version 1.1/Final Standard Profile) that allows Virtual packages or Picture-in-Picture functions to be used.

Regional Code

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

AVCHD (Advanced Video Codec High Definition)

- This player can playback AVCHD format discs. These discs are normally recorded and used in camcorders.
- The AVCHD format is a high definition digital video camera format.
- The MPEG-4 AVC/H.264 format is capable of compressing images at higher efficiency than that of the conventional image compressing format.
- Some AVCHD discs use the "x.v.Color" format.
- This player can playback AVCHD discs using "x.v.Color" format.
- "x.v.Color" is a trademark of Sony Corporation.
- Some AVCHD format discs may not play, depending on the recording condition.
- AVCHD format discs need to be finalized.
- "x.v.Color" offers a wider color range than normal DVD camcorder discs.

Compatibility Notes

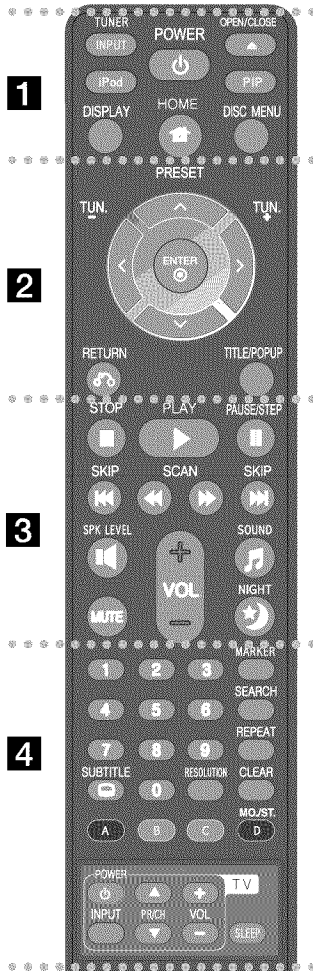
- Because BD-ROM are a new format, certain disc, digital connection and other compatibility issues are possible. If you experience compatibility problems, please contact an authorized Customer Service Center.
- Viewing high-definition content and up-converting standard DVD content may require a HDMI-capable input or HDCP-capable DVI input on your display device.
- Some BD-ROM and DVD discs may restrict the use of some operation commands or features.
- Dolby Digital EX, DTS-ES and DTS 96/24 are output as Dolby Digital 5.1 or DTS 5.1.
- You can use the USB device that is used to store some disc related information, including downloaded on-line content. The disc you are using will control how long this information is retained.

Certain System Requirements

For high definition video playback:

- High definition display that has COMPONENT or HDMI input jacks.
- BD-ROM disc with high definition content.
- HDMI or HDCP capable DVI input on your display device is required for some content (as specified by disc authors).
- For up-conversion of standard definition DVD, a HDMI or HDCP capable DVI input on your display device is required for copy protected content.

Remote control



1

INPUT (TUNER): Changes the input source (FM, AM, AUX, PORTABLE, OPTICAL, COAXIAL).
POWER: Switches the player ON or OFF.

OPEN/CLOSE (▲): Opens and closes the disc tray.
iPod: Selects REMOTE IPOD or OSD IPOD mode.

PIP*: Switches on/off Secondary Video (Picture-in-picture) (BD-ROM only).

DISPLAY: Displays or exits On-Screen Display.

HOME: Displays or exits the [Home Menu].

DISC MENU: Accesses menu on a disc.

2

Direction buttons: Selects an option in the menu.

PRESET (▲/▼): Selects programme of Radio.

TUN. (+/-): Tunes in the desired radio station.

ENTER (⊙): Acknowledges menu selection.

RETURN (↶): Exits the menu or resumes playback. The resume play function may work depending on the BD-ROM disc.

TITLE/POPUP: Displays the DVD title menu or BD-ROM's popup menu, if available.

3

STOP (■): Stops playback.

PLAY (▶): Starts playback.

PAUSE/STEP (⏏): Pauses playback.

SKIP (◀◀ / ▶▶): Go to next or previous chapter / track / file.

SCAN (◀◀ / ▶▶): Searches backward or forward.

SPK LEVEL (🔊): Sets the sound level of desired speaker.

SOUND (🎵): Selects a sound mode.

MUTE: Press MUTE to mute your unit. You can mute your unit in order, for example, to answer the telephone.

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

NIGHT (☾): Sets the late night function.

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

SUBTITLE (📄): Selects a subtitle language.

RESOLUTION: Sets the output resolution for HDMI and COMPONENT VIDEO OUT jacks.

MARKER: Marks any point during playback.

SEARCH: Displays or exits the search menu.

REPEAT: Repeat a desired section.

CLEAR: Removes a mark on the search menu or a number when setting the password.

Colored (A, B, C, D) buttons: Use to navigate BD-ROM menus. They are also used for [MOVIE], [PHOTO] and [MUSIC] menu.

- D button: Selects MONO or STEREO in FM mode.

TV Control Buttons: See page 49.

SLEEP: Sets a certain period of time after which the unit will switch to standby.

* Depending on a disc type or the pre-recorded contents of the BD-ROM disc, different functions may be executed than other media or there are no response when pressing some buttons (depending on media used).

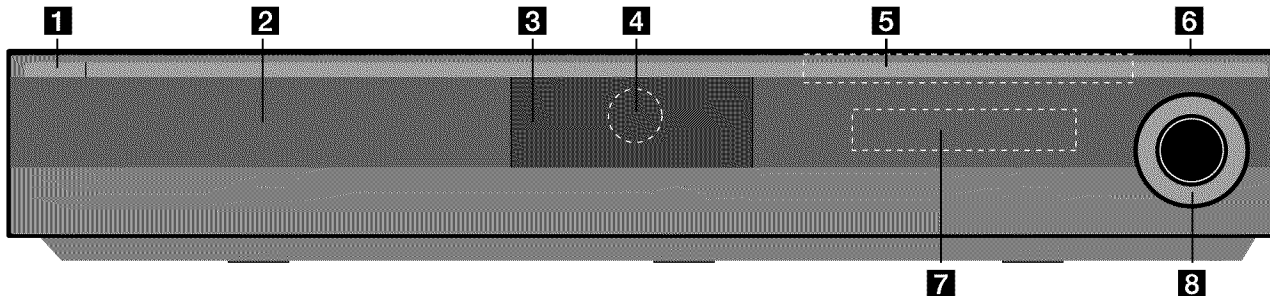
Remote Control Operation

Point the Remote Control at the remote sensor and press the buttons.

Remote Control Battery Installation

Remove the battery cover on the rear of the Remote Control, and insert a R03 (size AAA) battery with + and - matched correctly.

Front panel



1 (POWER) Button

Switches the unit ON or OFF.

2 Disc Tray

Insert a disc here.

3 iPod Dock

Connect your iPod here.

Push to open the iPod Dock.

4 Remote Sensor

Point the remote control here.

5 Touch Buttons

- (OPEN/CLOSE)

Opens or closes the disc tray.

- (PLAY / PAUSE)

Starts playback.

Pause playback temporarily, press again to exit pause mode.

- (STOP)

Stops playback.

- (SKIP)

Go to next or previous file/track/chapter.

Searches backward or forward if you press and hold it.

- FUNC.

Changes the input source (FM, AM, OSD IPOD, REMOTE IPOD, AUX, PORTABLE, OPTICAL, COAXIAL) or displays On-Screen Display.

6 USB Port

Connect a USB device.

7 Display Window

Shows the current status of the player.

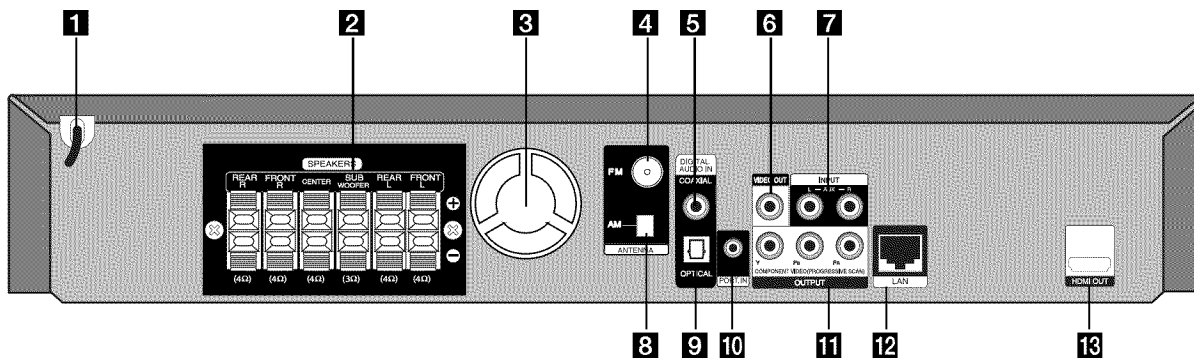
8 VOLUME

Adjusts speaker volume.

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



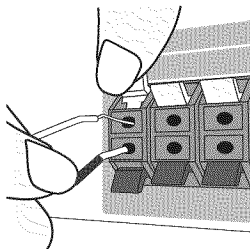
- 1 AC Power Cord**
Plug into the power source.
- 2 SPEAKER Connectors**
Connect the speakers.
- 3 Cooling Fan**
- 4 FM ANTENNA Connector**
Connect the FM antenna.
- 5 DIGITAL AUDIO IN (COAXIAL)**
Connect to digital (coaxial) audio equipment.
- 6 VIDEO OUT**
Connect to a TV with video inputs.
- 7 AUX (L/R) INPUT**
Connect to an external source with 2 channel audio outputs.
- 8 AM ANTENNA Connector**
Connect the AM antenna.
- 9 DIGITAL AUDIO IN (OPTICAL)**
Connect to digital (optical) audio equipment.
- 10 PORT. IN**
Connect to a portable player with audio outputs.
- 11 COMPONENT VIDEO (Y Pb Pr) OUTPUT (PROGRESSIVE SCAN)**
Connect to a TV with Y Pb Pr inputs.
- 12 LAN port**
Connect a network with an always-on broadband connection.
- 13 HDMI OUT (Type A)**
Connect to TV with HDMI inputs. (Interface for digital audio and video)

Speaker Connection

Attaching the speakers to the player

- 1** You will have received six speaker cables. Each one is color-coded by a band near each end and connects one of the six speakers to the player.
- 2** **Connect the wires to the player.**
Match each wire's colored band to the same colored connection terminal on the rear of the player. To connect the cable to the player, press each plastic finger pad to open the connection terminal. Insert the wire and release the finger pad.

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



- 3** **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
Grey	Rear	Behind you and to your right.
Blue	Rear	Behind you and to your left.
Green	Center	Above or below screen, directly in front of you.
Orange	Sub Woofer	This can be placed in any front position.
Red	Front	In front of you, to the right of the screen.
White	Front	In front of you, to the left of the screen.

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.

Be careful of the following

Be careful to make sure children not to put their hands or any objects into the *speaker duct.

*Speaker duct: A hall for plentiful bass sound on speaker cabinet(enclosure).

FM/AM Antenna connection

AM - Connect the AM loop antenna to the player.

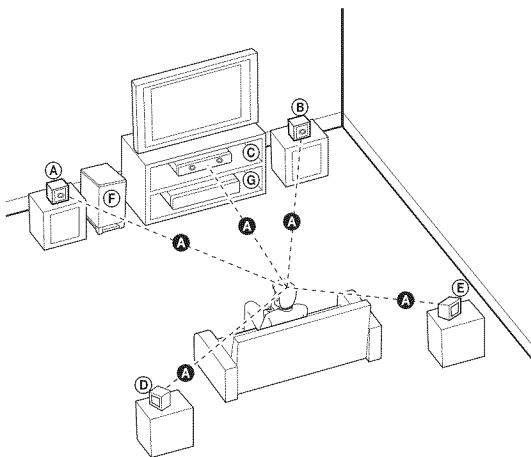
FM - Connect the FM antenna to the player.

The reception will be its best when the two loose ends of the antenna are in a straight and horizontal line.

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 (A).



- Ⓐ 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

Connections to your TV

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

Tips:

- 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 below.
- Please refer to the manuals of your TV or other devices as necessary to make the best connections.

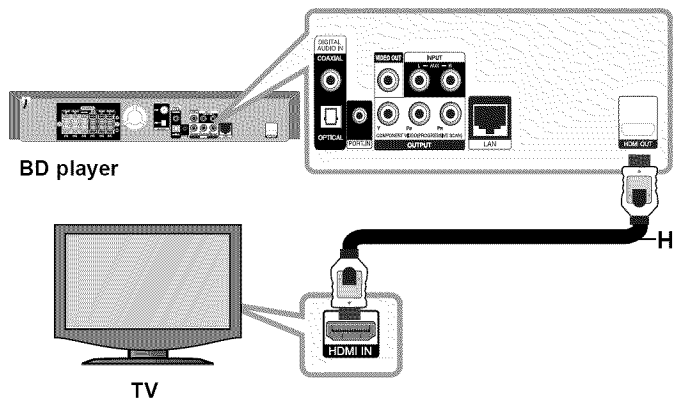
Cautions:

- Make sure the player 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 Connection

If you have a HDMI TV or monitor, you can connect it to this player using a HDMI cable.

Connect the HDMI OUT jack on the player to the HDMI IN jack on a HDMI compatible TV or monitor (**H**).



Set the TV's source to HDMI (refer to TV's Owner's manual).

Notes:

- You must select a HDMI audio output that your TV accepts using [HDMI Audio] options on the [Setup] menu (see page 26).
- 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.

Tips:

- 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 16-17.)
- Select the type of video output from the HDMI OUT jack using [HDMI Color Setting] option on the [Setup] menu (see page 24).

Cautions:

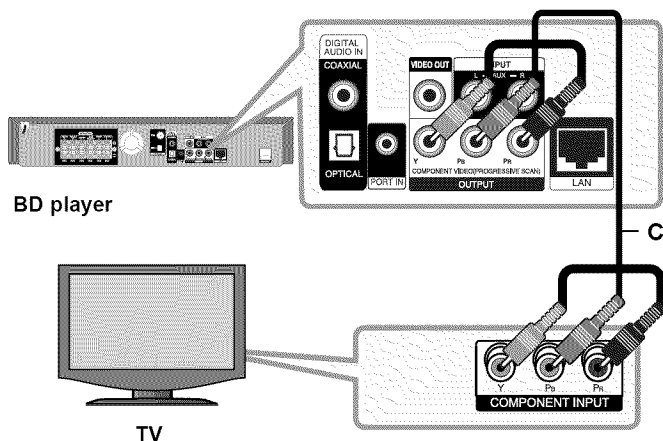
- Changing the resolution when the connection has already been established may result in malfunctions. To solve the problem, turn off the player and then turn it on again.
- When the HDMI connection with HDCP is not verified, TV screen is changed to black or green screen or the snow noise may occur on the screen. In this case, check the the HDMI connection, or disconnect the HDMI cable.
- If there is noise or lines on the screen, please check the HDMI cable (length is generally limited to 15ft) and use a High Speed HDMI cable (Version 1.3).

Additional Information for HDMI

- When you connect a HDMI or DVI compatible device make sure of the following:
 - Try switching off the HDMI/DVI device and this player. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this player.
 - The connected device's video input is set correctly for this unit.
 - The connected device is compatible with 720x480p, 1280x720p, 1920x1080i or 1920x1080p video input.
- Not all HDCP-compatible HDMI or DVI devices will work with this player.
 - The picture will not be displayed properly with non-HDCP device.
 - This player does not playback and TV screen is changed to black or green screen or the snow noise may occur on the screen.

Component Video Connection

Connect the COMPONENT VIDEO OUT jacks on the player to the corresponding input jacks on the TV using Y Pb Pr cables (C). You can hear the sound through the system's speakers.



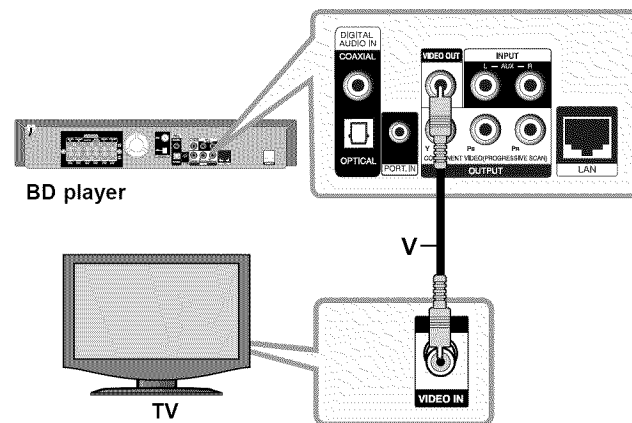
Tip:

When you use COMPONENT VIDEO OUT connection, you can change the resolution for the output. (Refer to "Resolution setting" on page 16-17.)

Video Connection

Connect the VIDEO OUT jack on the player to the video in jack on the TV using a video cable (V).

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



Resolution Setting

The player provides several output resolutions for HDMI OUT and COMPONENT VIDEO OUT jacks.

You can change the resolution using [Setup] menu or pressing the RESOLUTION button in [Home Menu] and [Setup] Menu.

Note:

Since several factors affect the resolution of video output, see "Available resolution according to the resolution setting" to the right.

How to change the resolution using RESOLUTION button

Press RESOLUTION repeatedly in [Home Menu] and [Setup] Menu to change the resolution. The display window will show you the current resolution.

How to change the resolution using the [Setup] menu

- 1 Press HOME and the [Home Menu] appears.
- 2 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 the video signal from the HDMI OUT jack is not output from the TV screen when [Resolution] is set to [Auto], change the video output resolution by pressing RESOLUTION button.

Available resolution according to the resolution setting

• When the non-copy protected media is playing back

Resolution Setting	Video Output	HDMI OUT	COMPONENT VIDEO OUT	
			HDMI connected	HDMI disconnected
480i		480p	480i	
480p		480p	480p	
720p		720p	720p	
1080i		1080i	1080i	
1080p / 24Hz		1080p / 24Hz	480i	1080i
1080p / 60Hz		1080p / 60Hz	480i	1080i

• When the copy protected media is playing back

Resolution Setting	Video Output	HDMI OUT	COMPONENT VIDEO OUT	
			HDMI connected	HDMI disconnected
480i		480p	480i	
480p		480p	480p	
720p		720p	480i	480p
1080i		1080i	480i	480p
1080p / 24Hz		1080p / 24Hz	480i	480p
1080p / 60Hz		1080p / 60Hz	480i	480p

Notes:

- Depending on your display, some of the resolution settings may result in the picture disappearing or an abnormal picture appearing. In this case, press HOME then RESOLUTION repeatedly until the picture re-appear.
- This player supports simultaneous output of all video out jacks. The resolution of the HDMI output will not be the same as the resolution output on the component video output.

HDMI OUT connection

- For the 480i resolution setting, real output resolution of HDMI OUT will change to 480p.
- If you select a resolution manually and then connect the HDMI jack to TV and your TV does not accept it, the resolution setting is set to [Auto].
- If you select a resolution that your TV does not accept, the warning message will appear. After resolution change, if you cannot see the screen, please wait 20 seconds and the resolution will automatically revert back to the previous resolution.
- The 1080p video output frame rate may be automatically set to either 24Hz or 60Hz depending both on the capability and preference of the connected TV and based on the native video frame rate of the content on the BD-ROM disc.

COMPONENT VIDEO OUT connection

- For the 1080p resolution setting with unprotected media, real output resolution of COMPONENT VIDEO OUT will change to 1080i.
- For the 720p, 1080i, 1080p resolution setting with protected media, real output resolution of COMPONENT VIDEO OUT will change to 480i or 480p depending on the connectivity of HDMI cable.
- BD, DVD or Netflix video stream could prevent up-scaling on analog output.

VIDEO OUT connection

The resolution of the VIDEO OUT jack is always outputted at 480i resolution.

Internet connection

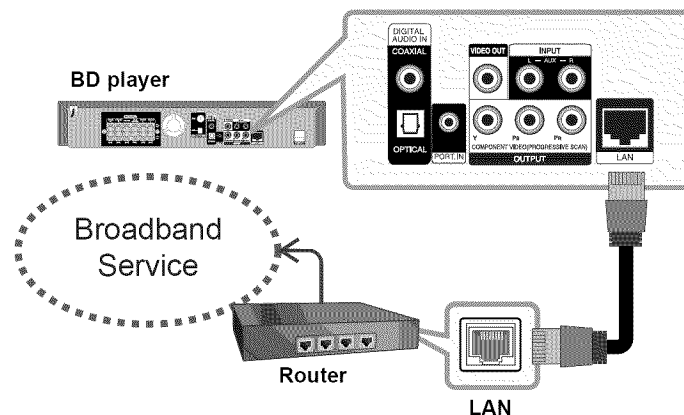
This player can be connected to a local area network (LAN) via the LAN port on the rear panel.

By connecting the unit to a broadband home network, you have access to services such as software updates, BD-Live interactivity, and streaming services such Netflix, etc.

• Ethernet cable connection

Connect the player's LAN port to the corresponding port on your Modem or Router using a LAN cable.

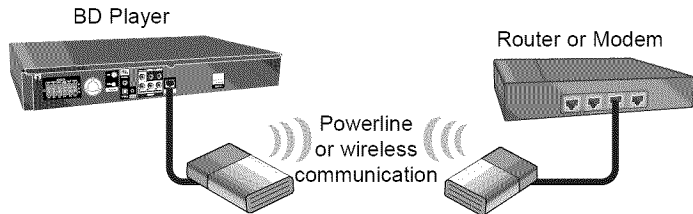
Use a commercially available LAN or Ethernet cable (CAT5 or better with RJ45 connector). If the player is not near a network connection, many retailers have LAN cables in lengths of 50 feet or more.



• Ethernet Adapter connection

Another connection option is to use an Ethernet adapter. One of the most popular Ethernet adapter options available from many retailers is a Powerline Ethernet Adapter.

Other available options include Wireless Ethernet Adapters and "Game System Ethernet Adapters". Refer to the setup instructions supplied with your Ethernet adapter for detailed connection steps.



Direct internet connection strongly recommended.

Watching Netflix and Listening to Pandora with wireless network may cause poor, flickered or stopped playback condition.

After making the physical connection, a small number of home networks may require the player's network setting to be adjusted. This adjustment can be done from the [Setup] menu - see "[NETWORK] Menu on page 28 for detailed instructions.

Cautions:

- When plugging or unplugging the LAN cable, hold the plug portion of the cable. When unplugging, do not pull on the LAN cable but unplug while pressing down on the lock.
- Do not connect a modular phone cable to the LAN port.
- Since there are various connection configurations, please follow the specifications of your telecommunication carrier or internet service provider.

Notes:

- Many network connection problems during set up can often be fixed by re-setting the router or modem. After connecting the player to the home network, quickly power off and/or disconnect the power cable of the home network router or cable modem. Then power on and/or connect the power cable again.
- Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.
- Our company is not responsible for any malfunction of the player and/or the internet connection feature due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.

- Our company is not responsible for any trouble in your internet connection.
- The features of BD-ROM discs made available through the Internet Connection feature are not created or provided by our company, and our company is not responsible for their functionality or continued availability. Some disc related material available by the Internet Connection may not be compatible with this player. If you have questions about such content, please contact the producer of the disc.
- Some internet contents may require a higher bandwidth connection.
- Even if the player is properly connected and configured, some internet contents may not operate properly because of internet congestion, the quality or bandwidth of your internet service, or problems at the provider of the content.
- Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- A 10 Base-T or 100 Base-TX LAN port is required for connection to this player. If your internet service does not allow for such a connection, you will not be able to connect the player.
- You must use a Router to use xDSL service.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this player or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this player may not be allowed to connect when a PC is already connected.)
- The use of a "Router" may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.
- Your ISP may protect this player from being connected to network when confirming MAC ADDRESS. In that case, contact your ISP to request to initialize MAC ADDRESS.

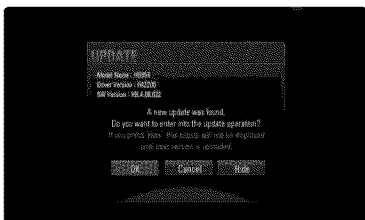
Network Software Update

Network update notification

From time to time, performance improvements and/or additional features or services may be made available to units that are connected to a broadband home network. If there is new software available and the unit is connected to a broadband home network, the player will inform you about the update as follows.

Option 1:

- 1 The update menu will appear on the screen when you turn on the player.
- 2 Use ◀ / ▶ to select a desired option and then press ENTER.
[OK] - Starts the software update. (See page 19-20 for more detail)
[Cancel] - Exits the update menu.
[Hide] - Exits the update menu and it does not appear until next software is uploaded in the update server.



Option 2:

If the software update is available from the update server, the "Software Update" icon appears at the bottom of the Home menu. Press blue colored button to start the update procedure. (see page 19-20 for more detail)



Software Update

Updating software in the [Setup] menu

You can update the player using the latest software to enhance the products operation and/or add new features. You can update the software by connecting the unit directly to the software update server.

Step 1: Check the Network Connection and settings

See page 17-18 and 28.

Step 2: Checking Network Configuration

See page 28.

Step 3: Updating Software

Cautions:

- Before updating the software in your player, remove any disc and USB Device from the player.
- Before updating the software in your player, turn the player off and then turn it back on.
- **During the software update procedure, do not turn off the player or disconnect AC power, or do not press any button.**
- If you cancel the update, turn off the power and turn it on for stable performance.
- This unit cannot be updated to previous software version.

1. Select [Software Update] option in the [Setup] menu then press ▶ or ENTER.
2. The player will check for the newest update.

Caution: Pressing ENTER while checking for the update will end the process.

Note: If there is no update available, the Message, "No update is found." appears. Press ENTER to return to the [Home Menu].

3. If newer version exists, the message "A new update was found. Do you want to download it?" appears.
4. Select OK to download the update. (Selecting [Cancel] will end the update.)
5. The player starts downloading the newest update from the server. (Downloading will take about 80 seconds at the network speed of 4Mbps Speed.)

6. When downloading is completed, the message, "Download is complete. Do you want to update?" appears.
7. Select OK to start updating.
(Selecting [Cancel] will end the update and downloaded file will not be re-usable. To update software the next time, the software update procedure has to be started from the beginning again.)

Caution: Do not turn off the power during the software update.

Note: If the software includes the driver update, disc tray may open during the process.

8. When update is completed, the message, "Update is complete." will appear, and the power will turn off automatically after 5 seconds.
9. Turn the power back on. The system now operates with the new version.
10. After completing the update process, repeat procedures 1-2 in Step 3 and check if there are no more updates available.

Tip:

The Software Update function may not work properly depending on your internet environment. In this case, you can obtain the latest software from the authorized LG Electronics Service Center then update your player. Refer to "Customer Support" on page 53.

Setting the sound mode

You can select a suitable sound mode. Press SOUND repeatedly until the desired mode appears on the front panel display or the TV screen.

The setting the sound mode is not available when [HDMI Audio] is set to [On] (see page 26).

[Natural] mode: You can enjoy comfortable and natural sound.

[Bypass] mode: Software with multichannel surround audio signals is played according to the way it was recorded.

[Bass Booster] mode: Reinforce the bass sound effect from front left and right speaker and subwoofer.

[PL II Movie] mode: Performs Pro Logic II movie mode decoding to the input signal and produces five full-bandwidth output channels from 2 channel sources. This setting is ideal for watching videos of overdubbed or old movies. This mode is available only to 2 channel sources.

[PL II Music] mode: Performs Pro Logic II music mode decoding to the input signal and produces five full-bandwidth output channels from 2 channel sources. This setting is ideal for normal stereo sources such as CD. This mode is available only to 2 channel sources.

[News] mode: This mode makes voice sound clear, improving the quality of voice sound.

This mode outputs sound from the front left and right speakers, center speaker, and subwoofer.

[Drama] mode: You can enjoy more dynamic sound with improved center channel while watching a television drama.

This mode outputs sound from the front left and right speakers, center speaker, and subwoofer.

[Sports] mode: This mode produces dynamic sound expansion for the sports program.

[Game] mode: You can enjoy more virtual sound while playing video games.

[Concert] mode: Creates the sound of concert hall.

[Music ReTouch] mode: When listening to MP3 files or other compressed music, you can enhance the sound.

This mode is available only to 2 channel sources.

Note:

Only [BYPASS] mode is available when [HD Audio Effect] is set to [off] and playing a source that contains Dolby Digital Plus, Dolby TrueHD and DTS-HD.

Adjust the speaker level settings

You can adjust the sound level of each speaker.

Press SPK LEVEL repeatedly to select a desired speaker to set.

Press VOL. (+/-) to adjust the sound level of the selected speaker while the level setting menu is displayed on the front panel display or the TV screen. Repeat and adjust the sound level of the other speakers.

Using the late night function

You can compress the dynamic range of the sound track.

Press NIGHT repeatedly.

This may be useful when you want to watch movies at low volumes late at night.

[NIGHT OFF]: Late night function off.

[NIGHT ON]: Reduction in dynamic range.

Notes:

- The late night function may be less effective or have no effect depending on the source.
- During the late night mode is on, the lighting of the touch buttons and the volume knob are turned off and the front panel display is dimmed.

Using the sleep timer

You can set the system to turn off at a preset time, so you can fall asleep listening to music.

- Press SLEEP repeatedly to select the desired time period options (in minutes):
(Dimmer on → Sleep timer value → Dimmer off)
Dimmer on: The lighting of the touch buttons and the volume knob are turned off and the front panel display is dimmed.
- To view the time countdown to the standby mode, press SLEEP again.
- To deactivate the sleep timer, press SLEEP until the previous status is displayed or press POWER to switch the unit to standby.

Using USB devices

This unit can play the movie, music and photo files contained on the USB device.

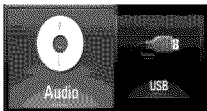
ON REMOTE

1. Connect a USB device:	–
2 Displays the [Home Menu]:	HOME
3 Select a main option: [Photo] or [Music] option	◀ ▶, ENTER
4 Select the [USB] option:	◀ ▶
5 Displays corresponding menu list: [PHOTO] or [MUSIC] menu appears. Details for the menu are on pages 37-39.	ENTER

Tip:

If you select the [Photo] or [Music] option when the USB device is connected and a disc is inserted simultaneously, the menu for selecting a media will appear. Select a media then press ENTER.

For example:



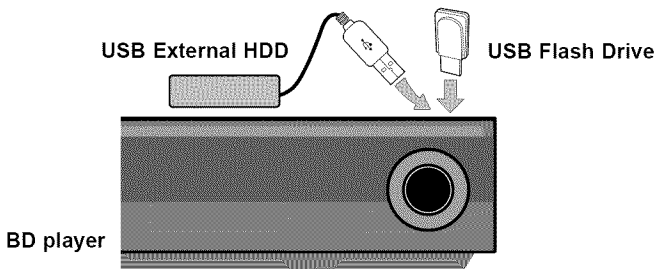
Notes:

- This unit supports only USB Flash Drive and USB External HDD with FAT16 or FAT32 format.
- The USB device can be used for the local storage for enjoying BD-Live discs with Internet.
- This unit can support up to 4 partitions of the USB device.
- Do not extract the USB device during operation (play, etc.).
- A USB device which requires additional program installation when you have connected it to a computer is not supported.
- USB device: USB device that support USB1.1 and USB2.0.
- Music files (MP3/WMA) and photo files (JPEG/PNG) can be played. For details of operations on each file, refer to relevant pages.
- Regular back up is recommended to prevent data loss.
- If you use an USB extension cable or USB HUB, the USB device may not be recognized.
- Some USB devices may not work with this unit.
- Digital camera and mobile phone are not supported.
- USB Port of the unit cannot be connected to PC. The unit cannot be used as a storage device.

Inserting/Removing the USB device

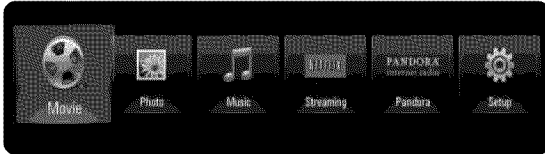
Inserting the USB device – Insert straight-in until it fits into place.

Removing the USB device – Withdraw the USB device or cable carefully.



Using the Home Menu

	ON REMOTE
1 Displays the [Home Menu]:	HOME
2 Select an option:	◀▶
3 Displays the selected option menu:	ENTER
4 Exit the [Home Menu]:	HOME



- [Movie] – Start video media’s playback or displays the [MOVIE] menu.
- [Photo] – Displays [PHOTO] menu. (page 38-39)
- [Music] – Displays [MUSIC] menu. (page 37-38)
- [Streaming] – Instantly watch some movies & TV episodes streamed from Netflix to your TV. (page 40-42)
- [Pandora] – Instantly listen to some musics streamed from Pandora. (page 43-45)
- [Setup] – Displays the [Setup] menu. (page 23-29)

Tips:

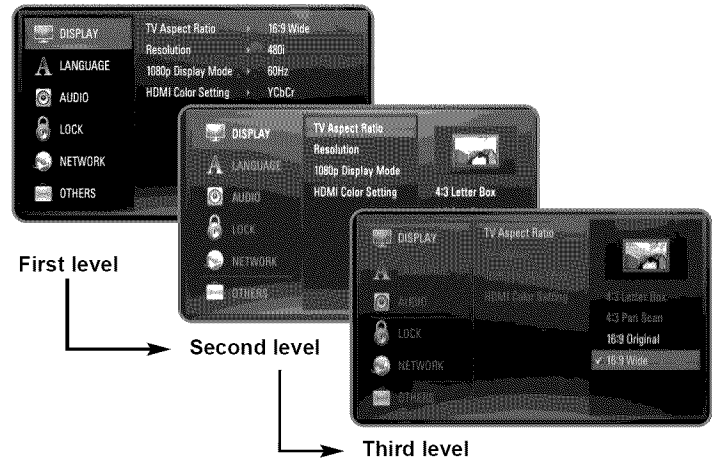
- If you select the [Photo] or [Music] option when the USB device is connected and a disc is inserted simultaneously, the menu for selecting a media will appear. Select a media then press ENTER.
- If “Software Update” appears on the [Home Menu], it means there is a software update available via network. To update the unit, press blue (D) button. For details, see page 19-20.

Notes:

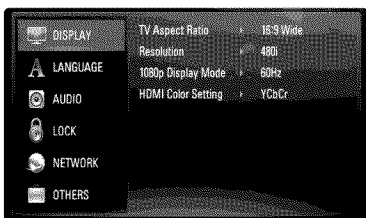
- The unit will be in stop mode then the [Home Menu] will appear if you press HOME during playback.
- If you insert a DVD or an unplayable disc that is formatted as ISO9660 or UDF, the [Photo] or [Music] option can be selected in the [Home Menu]. But you cannot play it.

Adjust the Setup settings

	ON REMOTE
1 Displays the [Home Menu]:	HOME
2 Select the [Setup] option:	◀▶, ENTER
3 Select a desired option on the first level:	▲▼
4 Move to second level:	▶
5 Select a desired option on the second level:	▲▼
6 Move to third level:	▶
7 Adjust or confirm the setting: Some items require additional steps.	▲▼, ENTER
8 Go back to the previous level:	◀
9 Exit the [Setup] menu:	HOME or RETURN



[DISPLAY] Menu



TV Aspect Ratio

[4:3 Letter Box] – Select when a standard 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture.

[4:3 Pan Scan] – Select when a standard 4:3 TV is connected. Displays pictures cropped to fill your TV screen. Both sides of the picture are cut off.

[16:9 Original] – Select when a 16:9 wide TV is connected. The 4:3 picture is displayed with an original 4:3 aspect ratio, with black bars appearing at the left and right sides.

[16:9 Wide] – Select when a 16:9 wide TV is connected. The 4:3 picture is adjusted horizontally (in a linear proportion) to fill the entire screen.

Note:

You cannot select [4:3 Letter Box] and [4:3 Pan Scan] option when the resolution is set to higher than 720p.

Resolution

Sets the output resolution of the Component and HDMI video signal. Refer to "Resolution Setting" on page 16-17 for details about the resolution.

[Auto] – If the HDMI OUT jack is connected for TVs providing display information (EDID), automatically selects the resolution best suited to the connected TV. If the COMPONENT VIDEO OUT is only connected, this changes the resolution to 1080i as default resolution.

[1080p] – Outputs 1080 lines of progressive video (only for HDMI connection).

[1080i] – Outputs 1080 lines of interlaced video.

[720p] – Outputs 720 lines of progressive video.

[480p] – Outputs 480 lines progressive video.

[480i] – Outputs 480 lines of interlaced video.

1080p Display Mode

When the resolution is set to 1080p, select [24Hz] for smooth presentation of film material (1080/24p) with a HDMI-equipped display compatible with 1080/24p input.

Notes:

- When you select [24Hz], you may experience some picture disturbance when the video switches video and film material. In this case, select [60Hz].
- Even when [1080p Display Mode] is set to [24Hz], if your TV is not compatible with 1080/24p, the actual frame frequency of the video output will be 60Hz to match the video source format.

HDMI Color Setting

Select the type of output from the HDMI OUT jack. For this setting, please refer to the manuals of your display device.

[YCbCr] – Select when connecting to a HDMI display device.

[RGB] – Select when connecting to a RGB display device.

[LANGUAGE] Menu



Display Menu

Select a language for the [Setup] menu and on-screen display.

Disc Menu / Disc Audio / Disc Subtitle

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.

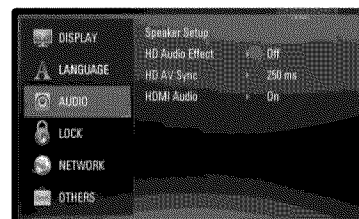
[Other] – Press ENTER to select another language. Use number buttons then ENTER to enter the corresponding 4-digit number according to the language code list on page 51.

[Off] (for Disc Subtitle) – Turn off Subtitle.

Note:

Depending on a disc, your language setting may not work for some disc.

[AUDIO] Menu



Speaker Setup

To obtain the best possible sound, use the Speaker Setup display to specify the volume of the speakers you have connected and their distance from your listening position. Use the Test to adjust the volume of the speakers to the same level.

[Speaker] – Select a speaker that you want to adjust.

[Volume] – Adjust the output level of each speaker. Be sure to set "Test" to "All" for easy adjustment.

[Distance] – Adjust the distance between each speaker and the listening position.

[Test] – The speakers will emit a test tone.
All: The test tone is emitted from each speaker in sequence.

To save your settings, press ENTER and select [Yes] by pressing ◀ / ▶.

HD Audio Effect

Selects whether to mix or not mix primary audio and secondary audio.

[Off] – Outputs the primary audio only.

[On] – Outputs the audio obtained by mixing the primary audio, secondary audio and sound effects.

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 ▲ ▼ to scroll up and down through the delay amount, which you can set at anything between 0 and 300m sec.

The delay will vary depending on which digital TV channel you are on. If you change channel you may need to readjust the HD AV Sync.

HDMI Audio

You can set TV speaker output for the audio signal from the HDMI OUT jack.

[Off] – Audio signals are output to the system speakers only.

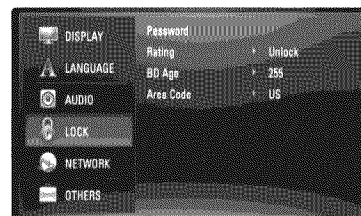
[On] – Audio signals are output from the TV's speaker and the system's front left and right speaker and subwoofer.

Note:

When [HDMI Audio] is set to [On], the sound mode is switched to [BYPASS] automatically.

[LOCK] Menu (Parental Control)

The [LOCK] settings affect only Netflix movie, BD and DVD playback.



To access the any features in [LOCK] settings, you must enter the 4-digit security code you have created.

If you have not entered a password yet, you are prompted to do so. Enter a 4-digit password and press ENTER. Enter it again and press ENTER to verify.

Password

You can create, change or delete the password.

[New] – Enter a 4-digit password and press ENTER. Enter it again and press ENTER to create a new password.

[Change] – Enter the current password and press ENTER.

Enter a 4-digit password and press ENTER. Enter it again and press ENTER to create a new password.

[Delete] – Enter the 4-digit password and press ENTER to delete the password.

Tip:

If you make a mistake before pressing ENTER, press CLEAR. Then input the correct password.

If you forget your password

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

- 1** Remove any disc that might be in the player.
- 2** Highlight [Password] in the [LOCK] option.
- 3** Use Number buttons to enter "210499". The password is cleared.

Rating

Blocks playback of rated disc based on their content. (Not all discs are rated.)

[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.

BD Age

Set an age limit of BD-ROM play. Use number buttons to input an age limit for BD-ROM viewing.

[255] – All BD-ROM can be played.

[0-254] – Prohibits play of BD-ROM with corresponding ratings recorded on them.

Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 51.

[NETWORK] Menu

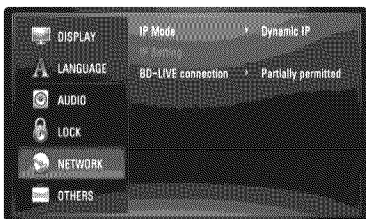
The [NETWORK] settings are needed to use the software update, BD Live, Netflix features and Pandora features.

Some BD-ROM discs may enable you to access special BD-ROM sites, if you connect the player to the Internet. For example, if a BD-ROM site includes content such as links to future movie trailers, you can watch the downloaded on-line content on the player.

You do not need to connect to a PC to use this function.

Preparations:

- This feature requires an always-on broadband internet connection. (see page 17-18.)
- A BD-ROM disc compatible with this feature is required. Not all BD-ROM discs are compatible.



IP Mode

If there is a DHCP server on the local area network (LAN), this player will automatically be allocated an IP address. If you're using a broadband router or broadband modem that has a DHCP (Dynamic Host Configuration Protocol) server function, select [Dynamic IP]. The IP address will automatically be determined.

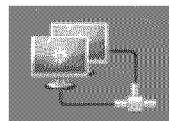
If there is no DHCP server on the network and you want to set the IP address manually, select [Static IP] then set the [IP Address], [Subnet Mask], [Gateway] and [DNS Server] using [IP Setting] option.

Note:

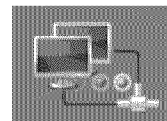
The [IP Mode] menu shows if the internet is connected or not. "⊗" will appear when connection is failed.

How to check the network configuration

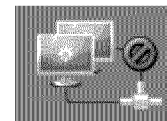
Select [IP Mode] option and check the Network status indicator shown above the menu. (The Network status indicator changes according to Network configuration.)



Able to use network



Testing Network



Unable to use network

IP Setting

This option is available only if [IP Mode] option is set to [Static IP].

Use the ▲ / ▼ / ◀ / ▶ buttons to select a field; use the number buttons to enter a value. Press ENTER when [OK] is highlighted to finish and exit the screen.

BD-LIVE connection

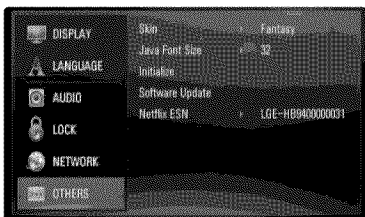
You can restrict Internet access when BD-Live functions are used.

[Permitted] – Internet access is permitted for all BD-Live contents.

[Partially permitted] – Internet access is permitted only for BD-Live contents which have content owner certificates. Internet access and AACS Online functions are prohibited for all BD-Live contents without a certificate.

[Prohibited] – Internet access is prohibited for all BD-Live contents.

[OTHERS] Menu



Skin

Changes the background of the initial screen.

Java Font Size **BD**

You can adjust the default text size displayed for the BD-J contents during BD-ROM playback.

This setting is not valid when the size of text on BD-J contents is fixed.

Please select a font size bigger than 24 when the player is connected with an HD TV.

Initialize

You can reset the player to its original factory settings, initialize the BD storage or deactivate the player.

[Factory Set] – If you need to, you can reset the player to all its factory settings. Some options cannot be reset. (Rating, Password and Area Code, etc.)

[BD Storage Clear] – Initializes the BD contents from the connected USB device.

[Deactivate Netflix] – Deactivates your player. To activate the Netflix again, see page 40.

Note:

If you reset the player to its original factory settings using [Factory Set] option, Netflix and Pandora are deactivated also. To activate the Netflix again, see page 40. To activate Pandora again, see page 43.

Software Update

You can update the software by connecting the unit directly to the software update server (see page 19-20).

Netflix ESN

We provide you the Netflix ESN (Electronic Serial Number) that allows you to rent and purchase videos using the Netflix website.

For more information, please visit:

www.netflix.com

Select [Netflix ESN] option and the serial number will appear.

Play a disc

	ON REMOTE
1 Open the disc tray:	OPEN/CLOSE (▲)
2 Insert a disc:	-
3 Close the disc tray:	OPEN/CLOSE (▲)
4 Adjust the disc menu settings: A disc menu may not appear on the screen depending on the disc.	▲ ▼ ◀ ▶, ENTER
5 Starts playback:	PLAY (▶)
6 Stops playback:	STOP (■)

Notes:

- When you turn on the player or replace a disc, the player returns to the initial default setting. Depending on a disc, a specific type of audio that the disc has is output.
- Depending on the pre-recorded contents of the BD-ROM, some functions may not be available or may be operated differently than other media.

If a disc menu screen is displayed

BD DVD AVCHD

The menu screen may be displayed first after loading a disc which contains a menu.

Use ◀ / ▶ / ▲ / ▼ buttons to select the title/chapter you want to view, then press ENTER to start playback.

Skip to the next/previous chapter/track/file **ALL**

During playback, press ◀◀ or ▶▶ to go to the next chapter/track/file or to return to the beginning of the current chapter/track/file.

Press ◀◀ twice briefly to step back to the previous chapter/track/file.

Resume playback **ALL**

During playback, press STOP (■) to stop playback.

The unit records the stopped point, depending on the disc. "■■■" appears on the screen briefly. Press PLAY (▶) to resume playback (from the scene point). If you press STOP (■) again or unload the disc ("■" appears on the screen.), the unit will clear the stopped point. (■■■ = Resume Stop, ■ = Complete Stop)

Notes:

- The resume point may be cleared when a button is pressed (for example; POWER, OPEN/CLOSE, etc).
- On BD-Video discs including BD-J, the resume play function does not work.
- On BD-ROM interactive title, the unit will be in Complete Stop mode if you press STOP once during playback.

Pause a playback **ALL**

During playback, press PAUSE/STEP (⏸) to pause playback. Press PLAY (▶) to continue playback.

Tip: During Audio CD or MP3/WMA playback, press PAUSE/STEP (⏸) once again to resume playback.

Frame-by-Frame playback **BD DVD AVCHD**

Press PAUSE/STEP (⏸) repeatedly to play Frame-by-Frame playback.

Slow down the playing speed **BD DVD AVCHD**

While the playback is paused, press SCAN ▶▶ repeatedly to play in slow motion (4 steps, forward only).

Fast forward or fast reverse **ALL**

Press SCAN (◀◀ or ▶▶) to play fast forward or fast reverse during playback.

You can change the various playback speeds by pressing SCAN (◀◀ or ▶▶) repeatedly. Press PLAY (▶) to continue play at normal speed.

Note:

This function may not work on some disc or titles.

Playing repeatedly **ALL**

During playback, press REPEAT repeatedly to select a desired repeat mode. The current title, chapter or track will be played back repeatedly. To return to normal playback, press REPEAT repeatedly to select [OFF].

Note:

If you press ►► once during Repeat Chapter/Track playback, the repeat playback cancels.

Viewing the Title menu or Popup menu

BD DVD AVCHD

Press TITLE/POPUP to display the title menu or popup menu. If the current DVD or BD-ROM disc has a menu, the Title menu or Popup menu appears on the screen. Depending on the disc, the menu may not be available.

Using the search menu **BD DVD AVCHD**

During playback, press SEARCH to display the search menu. Press ◀ / ▶ to skip the playback by about 15 seconds forward or backward.

Tip:

You can select a point that you want to skip by pressing and holding ◀ / ▶ button.

Marker Search **BD DVD AVCHD**

To enter a Marker

You can start playback from up to nine memorized points. To enter a marker, press MARKER at the desired point on the disc. The Marker icon appears on the TV screen briefly. Repeat to enter up to nine markers.

To Recall or Clear a Marked Scene

Press SEARCH and the search menu appears on the screen. Press a number button to select a marker number that you want to recall. Playback starts from the marked scene.

OR

Press ▼ to highlight a marker number. Use ◀ / ▶ to select a marked scene that you want to recall or clear.

Press ENTER and playback starts from the marked scene. Press CLEAR and the marked scene is erased from the search menu.

Notes:

- This function may not work on some disc or titles.
- All marked points are cleared if you press STOP (■) twice (complete stop), the title is changed or if you unload the disc.

Selecting a subtitle language **BD DVD AVCHD**

During playback, press SUBTITLE repeatedly to select a desired subtitle language.

OR

During playback, press DISPLAY to display the playback menu. Use ▲ ▼ to select the [Subtitle] option then use ◀ ▶ to select desired subtitle language.

Note:

Some discs allow you to change subtitle selections only via the disc menu. If this is the case, press TITLE/POPUP or DISC MENU button and choose the appropriate subtitle from the selections on the disc menu.

Hearing a different audio **BD DVD AVCHD**

During playback, press DISPLAY to display the playback menu. Use ▲ ▼ to select the [Audio] option then use ◀ ▶ to select desired audio language or audio track.

Notes:

- Some discs allow you to change audio selections only via the disc menu. If this is the case, press TITLE/POPUP or DISC MENU button and choose the appropriate audio from the selections on the disc menu.
- Immediately after you have switched sound, there may be a temporary discrepancy between the display and actual sound.
- On BD-ROM disc, the multi audio format (5.1CH or 7.1CH) is displayed with [MultiCH] in the on-screen display.

Using colored (A, B, C, D) Buttons **BD**

These buttons are available only during BD-J contents playback. Use the appropriate buttons as indicated by the display. Depending on the disc contents, the functions of each button may differ.

Last Scene Memory **BD 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.

Notes:

- Settings are stored in memory for use any time.
- This unit does not memorize settings of a disc if you switch off the unit before commencing to play it.
- Last Scene Memory function for a previous disc is erased once a different disc is played.
- This function may not work depending on the disc.

Screen Saver

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

Note:

Depending on the unit status, the screen saver may not appear.

Displaying disc information

	ON REMOTE
1 Play the disc loaded on the unit:	PLAY
2 Displays the playback menu:	DISPLAY
3 Select an item:	▲ ▼
4 Adjust the playback menu settings:	◀ ▶
5 Exit the disc playback menu:	DISPLAY



- 1 Title – Current title number/total number of titles.
- 2 Chapter – Current chapter number/total number of chapters.
- 3 Time – Elapsed playing time.
- 4 Audio – Selected audio language or channel.
- 5 Subtitle – Selected subtitle.
- 6 Angle – Selected angle/total number of angles.

Notes:

- If no button is pressed for a few seconds, the on-screen display disappears.
- A title number cannot be selected on some discs.
- An item may not be available on some discs or titles.
- If BD interactive title is playing back, some setting information is displayed on the screen but prohibited to be changed.

Moving to another title/chapter

BD DVD AVCHD

When a disc has more than one title/chapter, you can move to another title/chapter/track.

Press DISPLAY during playback then use ▲ / ▼ to select the [Title/Chapter] icon. Then, press the appropriate numbered button (0-9) or ◀ / ▶ to select a title/chapter number.

Playing from selected time **BD DVD AVCHD**

Press DISPLAY during playback. The time search box shows the elapsed playing time. Select the [Time] option and then input the required start time in hours, minutes, and seconds from left to right. For example, to find a scene at 2 hours, 10 minutes, and 20 seconds, enter "21020" and press ENTER. If you enter the wrong numbers, press CLEAR and enter the correct numbers.

Note:

This function may not work on some disc or titles.

Watching from a different angle **BD DVD**

If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.

During playback, press DISPLAY to display the playback menu. Use ▲ ▼ to select the [Angle] option, then use ◀ ▶ to select desired angle.

Enjoying BD-LIVE™	
	ON REMOTE
1 Inserts a BD-ROM disc with BD-LIVE™ features:	OPEN/CLOSE (▲)
2 Check the network connection and settings: BD-Live features need the internet connection.	–
3 Connect a USB device: A USB device is required to use this function.	–
4 Select a BD-LIVE™ features on the disc menu:	▲ ▼ ◀ ▶, ENTER

This unit allows you to enjoy functions such as picture-in-picture, secondary audio and Virtual packages, etc., with BD-Video supporting BONUSVIEW (BD-ROM version 2 Profile 1 version 1.1/ Final Standard Profile). In addition to the BONUSVIEW function, BD-Video supporting BD-Live (BD-ROM version 2 Profile 2) that has a network extension function allows you to enjoy more functions such as online games by connecting this unit to the Internet.

Enjoying BD-Live discs with Internet

This unit supports BD-Live, a new BD-Video function that allows you to use the following interactive functions when connected to the Internet. (The usable functions and the operating method may vary with each disc. For details, refer to the instructions for the disc.)

- Additional contents such as movie's trailer, subtitles and BD-J, etc. can be downloaded to the USB device to play them.
- Special video data, etc. may be played back while they are being downloaded to a USB device.

Preparations:

- The unit must be connected to the Internet and set up to use the BD-Live functions (see page 17-18 and 28).
- A USB device is required to use this function. Connect a USB device (see page 22).
- The free space in the USB device must be more than 1GB.

Caution:

Do not extract the connected USB device while content is being downloaded or a Blu-ray disc is still in the disc tray. Doing so may damage the connected USB device and BD-Live features may not operate properly with the damaged USB device anymore.

If the connected USB device seems damaged from such an action, you can format the connected USB device from the PC and reuse it with this player.

Notes:

- Some BD-Live contents may be restrictively accessed in some territories by contents provider's own decision.
- It may take up to several minutes to load and start enjoying BD-Live contents.
- Depending on a disc, the BD-Live function may not be operated if [BD-LIVE connection] option is set to [Partially permitted]. (See page 28.)
- The connection to the Internet may take time or the Internet may not be connected depending on the connection environment. It is required that you use a broadband connection.
- Do not remove the USB device during operation. The USB device may be damaged. Stop playback and turn off the menu beforehand.

Tip:

Special video data, etc. may be played back while they are being downloaded to a USB device using one function of BD-Live. The playback may be paused depending on the communication environment. Some functions may be disabled to prevent skipping to sections that have not been downloaded, etc.

AACS Online

When discs supporting BD-Live are played back, the player or disc IDs may be sent to the content provider via the Internet.

Services and functions to be provided differ depending on the disc.

- You can be introduced to other similar movies if you record your viewing history on the server by using these IDs.
- Game score histories can be saved.

Playing secondary video (picture-in-picture)

Secondary video can be played from a disc compatible with the picture-in-picture function.

For the playback method, refer to the instructions for the disc.

To turn on/off secondary video, press PIP. Secondary video is played.

Press the button to turn it ON or OFF.

Notes:

- Discs may not always be played back according to the settings on this unit, as certain playback formats are prioritized on certain discs.
- Only the primary video is played during search/slow-motion or frame-by-frame.
- This function may not work depending on the disc.

Playing a DVD VR Format Disc

This unit will play DVD-RW disc that is recorded using the Video Recording (VR) format.

ON REMOTE

1 Insert a disc and close the tray. The [MOVIE] menu appears on the TV screen.	–
2 Selects a movie from the [MOVIE] menu:	▲ ▼
3 Plays the selected movie: Press DISC MENU to move to the list menu.	PLAY
4 Stops the playback:	STOP

Note:

- You can use various playback functions. Refer to pages 30-33.
- On the [MOVIE] menu, use red (A) or blue (D) button to move to the previous or next page.
- Unfinalized DVD VR format discs may not be played in this player.
- Some DVD-VR disc are made with CPRM data by DVD RECORDER. This unit cannot support these kinds of discs.

What is CPRM?

CPRM is a copy protection system (with scramble system) only allowing the recording of 'copy once' broadcast programs. CPRM stands for Content Protection for Recordable Media.

Movie List menu options

Use ▲ / ▼ to select a title on the [MOVIE] menu then press ENTER. The menu options appear.



Use ▲ / ▼ to select an option, then press ENTER.

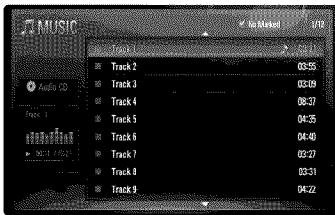
- **[Play]** Starts playback of the selected title.
- **[Resume Play]** Starts playback from where you stopped it previously.
- **[Close]** Exits menu options. Also you can disappear it by pressing RETURN button.

Listening to music

The player can play Audio CDs and MP3/WMA files. Before playing MP3/WMA files, read "MP3/WMA audio file requirement" on page 38.

ON REMOTE

1 Insert Audio CD or a disc containing MP3/WMA files, or connect the USB device containing MP3/WMA files.	–
2 Displays the [Home Menu]:	HOME
3 Select a [Music] option:	◀ ▶, ENTER
4 Selects a music from the [MUSIC] menu:	▲ ▼
5 Plays the selected music:	PLAY
6 Stops the playback:	STOP



Example) Audio CD

Note:

When the USB device is connected and a disc is inserted simultaneously, the menu for selecting a media will appear. Select a media then press ENTER.

Tips:

- To go directly to any track or file and play, enter the track/file number using the numbered buttons (0-9).
- The playback may start automatically if the Audio CD inserted.
- Select a folder then press ENTER and you can view the files in the folder. If you want to move to the upper directory, use ◀ or ▶/▲ to highlight [UP Folder] and press ENTER.

- On the [MUSIC] menu, use red (A) or blue (D) button to move to the previous or next page.
- The equalizer indicator is not coupled with the music in play back.
- If there is impossible code to express in the file name, it may be displayed as illegible.
- You can use variable playback functions. Refer to page 30-31.

The [MUSIC] menu options

Use ▲ / ▼ to select a track or file on the [MUSIC] menu then press ENTER. The menu options appear.

Use ▲ / ▼ to select an option, then press ENTER.



- [Play]** Starts playback the selected track or file.
- [Select Play]** Plays back only the marked track(s) or file(s). Use MARKER for selecting the multiple files or tracks.
- [Random]** Starts or stops random playback. By pressing ▶▶ during random playback, the unit selects another track and resumes random playback.
- [Unmark All]** Unmarks all marked files or tracks.
- [Close]** Exits menu options. Also you can disappear it by pressing RETURN button.

Note:

You cannot use [Select Play] and [Random] functions simultaneously.

MP3/WMA audio file requirement

File extensions: “.mp3”, “.wma”

Sampling frequency: within 32 - 48 kHz (MP3),
within 32 - 48 kHz (WMA)

Bit rate: within 32 - 320 kbps (MP3), within 40 - 320 kbps (WMA)

CD-R/RW, DVD±R/RW, BD-R/RE Format:

ISO 9660+JOLIET, UDF and UDF Bridge format

Maximum Files/Disc:

Less than 1999 (total number of files and folders)

Notes on MP3/WMA file

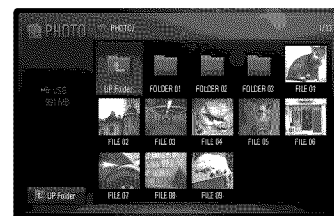
- Depending on the size and number of the MP3/WMA files, it may take several minutes to read the contents of the media.
- This unit cannot support the ID3 Tag embedded in the MP3 file.

Viewing a photo

This unit can play a photo files. Before playing photo files, read “Photo file requirement” on page 39.

ON REMOTE

1 Insert a disc containing photo files, or connect the USB device containing photo files.	—
2 Displays the [Home Menu]:	HOME
3 Select a [Photo] option:	◀/▶, ENTER
4 Selects a photo from the [PHOTO] menu:	▲/▼/◀/▶
5 Displays the selected photo in full screen:	ENTER
6 Displays the next or previous photo:	◀◀ / ▶▶ or ◀/▶
7 Return to the [PHOTO] menu screen:	STOP



Note:

When the USB device is connected and a disc is inserted simultaneously, the menu for selecting a media will appear. Select a media then press ENTER.

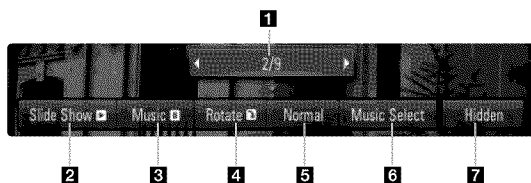
Tips:

- To go directly to any file and play, enter the file number using the numbered buttons (0-9).
- You can advance to the previous or next file by pressing ◀◀ or ▶▶ during viewing a photo file in full screen.
- You can start the slide show by pressing PLAY (▶) while the [PHOTO] menu appears.

- Select a folder then press ENTER and you can view the files in the folder. If you want to move to the upper directory, use ▲/▼/◀/▶ to highlight [UP Folder] and press ENTER.
- On the [PHOTO] menu, use red (A) or blue (D) button to move to the previous or next page.
- If there is impossible code to express in the file name, it may be displayed as illegible.

Options during viewing a photo file in full screen

You can use various options during viewing a picture in full screen. Use ▲▼◀▶ to select an option and use the options as described below.



- 1 Use ◀/▶ to advance to the previous or next file.
- 2 Press ENTER to start or pause the slide show.
- 3 Press ENTER to play or pause the background music. This option is available after the background music is selected using [Music Select] option.
- 4 Press ENTER to rotate the picture clockwise. This option is not available during slide show.
- 5 Press ENTER to set the Slide Show speed.
- 6 Selects the background music.
 - 1) Press ENTER and the menu will appear.
 - 2) Use ▲/▼/◀/▶ to select a media or folder that there are music file(s).
 - 3) Press ENTER to confirm your selection.
- 7 Press ENTER to exit the option menu. To appear the menu again, press ENTER.

Photo file requirement

File extensions: ".jpg", ".jpeg", ".png"

Recommended size:

Less than 3,000 x 3,000 x 24 bit/pixel

Less than 3,000 x 2,250 x 32 bit/pixel

CD-R/RW, DVD±R/RW, BD-R/RE Format:

ISO 9660+JOLIET, UDF and UDF Bridge format

Maximum Files/Disc:

Less than 1999 (total number of files and folders)

Notes on Photo file

- Progressive and lossless compression photo image files are not supported.
- Depending on the size and number of the photo files, it may take several minutes to read the contents of the media.

Playing Netflix Streaming

	ON REMOTE
1 Check the network connection and settings: See page 17-18 and 28.	-
2 Check the network configurations: See page 28.	-
3 Displays the [Home Menu]:	HOME
4 Select the [Streaming] option:	◀ ▶, ENTER

You can instantly watch movies (very few new releases) & TV episodes from Netflix streamed over the internet to your TV via your LG BD player. To become a Netflix member visit: www.netflix.com/LG

Activating your player

You must activate your player before you can use it to watch movies streamed over the INTERNET from Netflix.



Use ▲ / ▼ to select the [yes - activate instant streaming from Netflix], then press ENTER. Wait for the activation screen to appear on your TV screen. You are now ready to complete activation on the Netflix website.

- On your computer, visit www.netflix.com/activate.
- If necessary, enter your [Email Address] and [Password] to log into your account.



Enter the activation code that appears on your TV screen.

Notes:

- If newer software is needed, a software update screen will automatically appear when you select [Netflix] from the [Home Menu]. For details on software updates, see page 19-20.
- For questions regarding the Netflix service please visit: www.netflix.com/help or call 1-866-579-7113
- For questions regarding your player please visit: <http://us.lgservice.com> or call 1-800-243-0000
- You can deactivate streaming from Netflix to your player using [Deactivate Netflix] option on the setup menu (see page 29).

Using your player for Netflix

After you activate your player, you're ready to add movies & TV episodes to your instant Queue. You can then use your player's remote to browse your instant Queue and to select and watch titles on your TV. You will be amazed at how quick and easy it is.

Filling your Queue

Your instant Queue works just like your DVD Queue. Add and manage the movies & TV episodes in your instant Queue from the Netflix website on your computer. Your instant Queue also appears on your TV via your player, so your selections are available to watch anytime.

1. Visit the Netflix website on your computer: www.netflix.com



If necessary, enter your Email Address and Password to log into your account.



Click [Watch Instantly] tab.



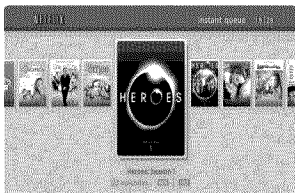
When you find a movie or TV episode you want to watch, mouse over the [Play] button to reveal additional options, and then click [Add to Instant].

5. Repeat step 4 to add more movies & TV episodes to your instant Queue.
6. (Optional) Arrange your instant Queue by clicking the [Instant] subtab.
 - To rearrange your instant Queue, drag and drop the titles in the order you want them, or change the numbers to the left of the titles and then click [Update Instant Queue] to your changes.
 - To remove a title from your instant Queue, click the [Remove] check box to the right of the title.
 - To recover the removed title, press [Undo].

Selecting a movie to watch on your TV

After you set up your player and add movies & TV episodes, you can browse and watch them on your TV.

1. Press HOME and the home menu will appear.



Use ◀ / ▶ to select the [Netflix] then press ENTER. The Instant Queue screen will appear.

3. Use ◀ / ▶ to highlight a movie on your instant Queue. Use ◀◀ / ▶▶ button to move to the previous or next page. The selected movie shows the title, rating and total time.

4. Do either of the following:

- Press ▶ (PLAY) to play back the highlighted title.
- Press ENTER to view details for the highlighted title, and then use ▲ / ▼ to choose any of the menu items:
 - [play] Starts playing the selected title.

[resume playing] Plays a previously paused title from the scene where you paused it. This option is available only if you begin watching a title and then pause it.

[play from beginning] Starts playing from the beginning of the selected title.

[choose a different episode] (TV series only) Enables you to select a specific show of a TV series. Press ◀ / ▶ to highlight the show you want to view, and then press ENTER to choose it.

[rate] Enables you to rate a movie or show. The more stars, the higher the rating. Press ENTER to access the rating feature, and then press ◀ / ▶ to increase or decrease the rating. Press ENTER again to confirm the selected rating.

[remove] Deletes the selected movie from your instant Queue.

[remove series] (TV series only) Deletes the selected TV series from your instant Queue.

5. Press ▲ to return to your instant Queue.

Playing a movie

While watching a movie or TV episode from Netflix via your player, you have full control over your viewing experience. You can use the buttons on the remote to pause and resume viewing and to scan forward and backward, just like when you watch a DVD. While playing a movie, the buttons on the remote do the following:

Button(s)	Operations
▶	Starts playing back the movie.
	To pause a movie while it's playing. To resume playing a paused movie, press ▶ (Play) again.
■ / ▲	Stops the movie and displays your instant Queue.
ENTER	Pauses playing the movie and enters frame scanning mode.
▶	Pauses playing the movie and enters frame scanning mode. To scan forward one frame at a time, press the button again.
◀	Pauses playing the movie and enters frame scanning mode. To scan backward one frame at a time, press the button again.
▶▶ / ◀◀	Pauses playing the movie and scans forward or backward through the movie. To scan faster, press the button again. To play the highlighted scene, press ENTER or ▶. To resume playing from the point you paused the movie, press ▲.
HOME	When you have finished watching movies streamed from Netflix, simply press the HOME button on the remote control to go to the Home Menu.

Note:

Even if you use a high-resolution setup, audio/video quality may be compromised based on the speed of your broadband internet connection. Your Internet Service Provider (ISP) determines your broadband speed. We recommend a minimum connection speed of 1.5 Mbps. For the best quality picture, a connection speed of 4.0 Mbps is required. Sometimes your broadband speed varies based on your ISP's network conditions. Contact your ISP if you have problems maintaining a fast connection that is reliable, or if you want to increase your connection speed. Many ISPs offer a variety of broadband speed options.

Using Pandora

	ON REMOTE
1 Check the network connection and settings: See page 17-18 and 28.	-
2 Check the network configurations: See page 28.	-
3 Displays the [Home Menu]:	HOME
4 Select the [Pandora] option:	◀▶, ENTER

You can instantly listen to personalized radio stations, streamed over the internet, from Pandora through the system speakers via your LG BD player. To use Pandora on the web, please visit: www.pandora.com. To setup Pandora on your LG BD player, please follow the activation instructions below.

To become a Pandora member visit: www.pandora.com

Activating Pandora on your player

You must activate Pandora on your player before you can listen to or create personalized radio stations.

1.

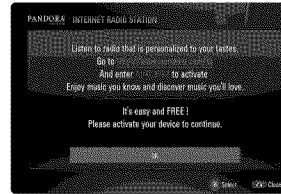


After launching Pandora on your player, the initial screen appears.

2.

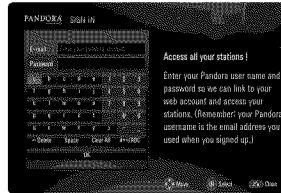


If you already have a Pandora account select [Yes] by pressing ◀ / ▶, and then press ENTER. Your player will be automatically activated at this point. Go to step 3.



If you don't already have a Pandora account you will need to create one. Select [No] by pressing ◀ / ▶, and then press ENTER. On your TV screen you will see an activation code. Please write the activation code down and then visit the web site address displayed on screen to complete the Pandora registration process. After you have completed the registration, return to your TV and press ENTER and go to step 4 of the instructions.

3.



Enter your Pandora user name and password on the virtual keyboard with the supplied remote.

[OK]: Finishes entering an E-mail or password.

[← Delete]: Deletes the previous character at the cursor position.

[Space]: Inserts a space at the cursor position.

[Clear All]: Clears all entered characters.

[ABC/abc/#+=]: Changes the virtual keyboard menu settings to capital letters, small letters or symbols.

Tips:

- You can use CLEAR on the supplied remote instead of selecting [← Delete].
- You can use the numerical buttons on the supplied remote instead of selecting the numerical buttons on the virtual keyboard.



You may have to create a new station if you don't have one yet. Enter one of your favorite artists or songs to create a station.



After creating the stations, it automatically shows the list of stations created from the web or player, and plays music.

Notes:

- Pandora will pause a playback after eight hours without any input. At this point, Pop-up message appears and you have to press ENTER to resume the music.
- You may not get the song informations according to the network conditions.
- For questions regarding the Pandora service please visit: <http://www.pandora.com/help> or e-mail: pandora-support@pandora.com
- For questions regarding your player please visit: <http://us.lgservice.com> or call 1-800-243-0000

Using Pandora on your LG BD player

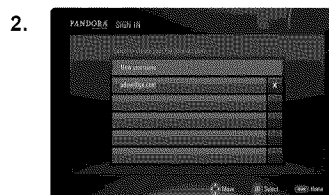
You will be amazed at how quick and easy it is to use Pandora on your BD player. Using your player's remote control, you can play stations that you have already created or create new ones by providing the name of a single song or artist. While the music is playing, you can give a song a Thumbs Up or Down and Pandora will instantly change the music selection to better match your tastes. Best of all, you can listen to your Pandora stations through the BD player system speakers or online at pandora.com.

Adding multiple Pandora user accounts

It is easy to setup more than one Pandora user account on this device. Everyone in your household can create their own Pandora accounts so they can create and listen to their own stations.



Press HOME and the home menu will appear.



Use ◀ / ▶ to select [Pandora] then press ENTER. The username list screen will appear.







Use ▲ / ▼ to select a username on your username list. The station lists of the selected username appear and plays music. If necessary, you can create a new username here.

Playing Pandora stations

While listening to musics from Pandora via your player, you have full control over your listening experience. You can use the buttons on the remote to pause and resume listening to. While listening to a music, the buttons on the remote do the following:

Button(s)	Operations
▶ (PLAY)	Starts playing back the music.
, ■	To pause a music while it's playing. To resume playing a paused music, press ▶ (PLAY) again.
ENTER	Acknowledges menu selection.
HOME	When you have finished listening to musics streamed from Pandora, simply press the HOME button on the remote control to go to the Home Menu.
▶▶	Skips to the next song. (This is limited to at most 6 times.)
↶ (RETURN)	Goes back to the previous mode.
A (red button)	Creates station.
B (green button)	Deletes station.
C (yellow button)	Plays the stations in random order. (QuickMix) To create or edit the QuickMix visit: www.pandora.com
D (blue button)	Signs out
▲/▼/◀/▶	Moves to the up/ down/ left/ right

Using the main screen

Menu Button(s)	Operations
	Tells Pandora that you like the currently playing song. Pandora will then play you more songs that are similar.
	Tells Pandora that you do not like the currently playing song. Pandora will immediately skip to the next song and won't play you the song, or others like it, again.
	Excludes the selected song from the all stations for a month.
	Bookmarks the currently playing song. You can view all of your bookmarks by logging into Pandora on the web at www.pandora.com and clicking on the "Your Profile" link.

Listening to the radio

Be sure that FM and AM antennas are connected.

ON REMOTE

1 Select FM or AM:	TUNER (INPUT)
2 Select a radio station:	TUN.-/+
3 To save a radio station: A preset number will show on the display. Up to 50 radio stations can be saved.	ENTER
4 To confirm press:	ENTER
5 To select a saved station	PRESET ▲ /▼

Listening to the radio - more you can do

Look for radio stations automatically

Press and hold TUN.-/TUN.+ for more than a second. The tuner will scan automatically and stop when it finds a radio station.

Choose a preset number for a radio station

When storing a radio station, the preset number can be chosen. When this unit automatically shows a preset number, press PRESET ▲ /▼ to change it. Press ENTER to save your chosen number.

Delete all the saved stations

Press and hold ENTER for two seconds. ERASE ALL will flash up on the display. Press ENTER to erase all saved radio stations.

Improve poor FM reception

Press MO./ST.(D). This will change the tuner from stereo to mono and usually improve the reception.

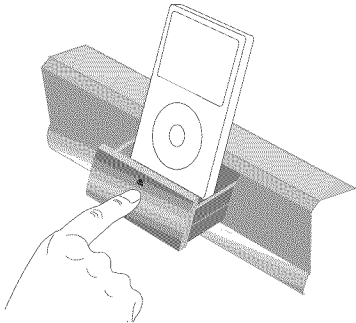
Playing the iPod

For details about iPod, refer to the iPod User Guide.

Preparation

- To view iPod's Videos and Photos on the TV screen.
 - Be sure to use the video connection through the VIDEO OUT jack on the rear panel of this unit.
 - Select the appropriate video input mode on the TV.
 - Depending on the iPod, make sure that select Videos > Video settings, and then set TV Out to Ask or On from your iPod.
 - For details about Video Settings, refer to the iPod User Guide.
 - The viewing photos is available only if this unit is in REMOTE IPOD mode and you can view photos only as a slideshow.
 - You have to start a slideshow on your iPod to view a photo on a TV.
 - For details about a slideshow, refer to the iPod User Guide.
- Before connecting the iPod, turn this unit off and reduce the volume of this unit to its minimum.

Connect the iPod firmly.



To open the iPod Dock:
Push the marked ▲.
To close the iPod Dock:
Push the iPod Dock forward.

- If you turn this unit on, your iPod is automatically turned on and recharging starts.

To	Do this on remote
Select an iPod mode	Press iPod.

- **REMOTE IPOD mode:** You can operate your iPod through an iPod's display by using the supplied remote control and also control on your iPod.
- **OSD IPOD mode:** You can operate your iPod by controlling OSD menu on the TV screen with the supplied remote control. The controls on your iPod are not operational in the OSD iPod mode.

To	Do this on remote
Select a menu item	Press ▲ ▼ and ► or ENTER.
Go back to the previous menu	Press RETURN (↵) or DISC MENU or ◀.
Browse for a song	From the main menu, select Music.
Browse for a video	From the main menu, select Videos.
Play a song or video	Select the song or video and press ENTER.
Pause a song or video	Press PAUSE/STEP (⏸) or PLAY (▶). To continue playback, press PAUSE/STEP (⏸) or PLAY (▶) again.
Skip to the next song or video	Press SKIP (▶▶).
Start a song or video over	Press SKIP (◀◀).
Play the previous song or video	Press SKIP (◀◀) twice.
Fast-forward or rewind a song or video	Press and hold SCAN (◀◀ or ▶▶).
Repeat a song	Press REPEAT repeatedly to select a desired repeat mode: Track (🔁), All (🔁), Off (No display).

Tip:

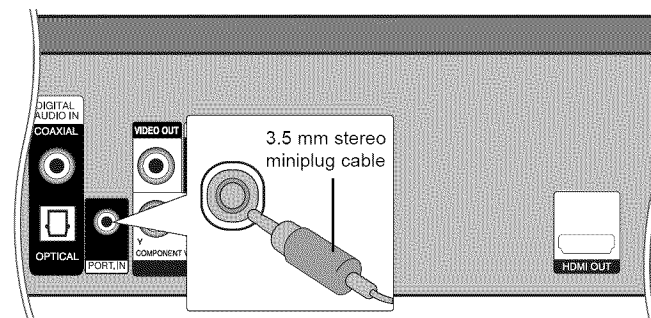
You may use the dock adapter which should be supplied with your iPod to the dock for the stable use of the iPod.
If you need an adapter, consult your iPod dealer.

Notes:

- Compatibility with your iPod may vary depending on the type of your iPod.
- iPod touch and iPhone have any difference in operation other than iPod. You may need any additional control to use them with this unit. (e.g. "slide to unlock")
- **If you use an application, make a call, or send and receive SMS text message, etc. on iPod touch or iPhone, disconnect it from iPod dock of this unit and then use it.**
- Depending on your iPod's software version, it may not be possible to control your iPod from this unit. We recommend installing the latest software version.
- The video quality depends on the video sources on your iPod.
- When LG TV's SIMPLINK is set to On, the audio signals are output to the system speakers only.
- If this unit displays an error message, follow the message. An error message "CHECK IPOD" or "Please check your iPod." appears when:
 - the communication between this unit and your iPod is failed.
 - Undock & re-dock your iPod in this unit.
 - your iPod is not connected firmly.
 - this unit recognizes your iPod as unknown device.
 - your iPod is exceptionally low on power.
 - The battery needs to be charged.
 - If you charge the battery while iPod is extremely low in power, it may take longer to charge.
- An error message "CHECK IPOD" or "Connected iPod model is not supported." appears when:
 - your iPod is not available for the function to be operated.
- An error message "CHECK IPOD" or "Please update iPod's software." appears when:
 - your iPod has an old software version.
 - Update your iPod software to latest version.
- If you have a problem with your iPod, please visit www.apple.com/support/ipod.

Listening to music from your portable audio player

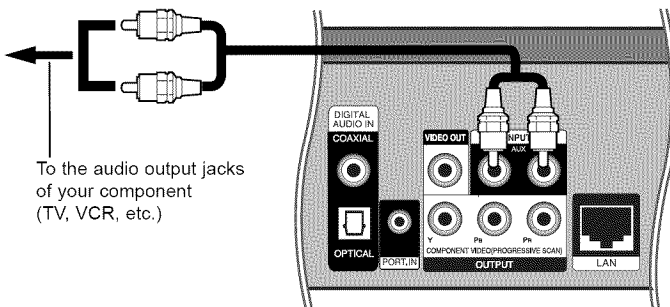
You can enjoy the sound of your portable audio player from the speakers of the system.



	ON REMOTE
1 Connect the headphones (or line out) jack of the portable audio player into the PORT. IN on the rear panel of this unit:	-
2 Turn the power on:	POWER
3 Select the [PORTABLE] option:	INPUT
4 Turn down the volume of this unit:	VOL. (+/-)
5 Turn the portable audio player on and start it playing:	-
6 Adjust the volume of this unit and your portable audio player:	VOL. (+/-)

Listening to the sound from your component

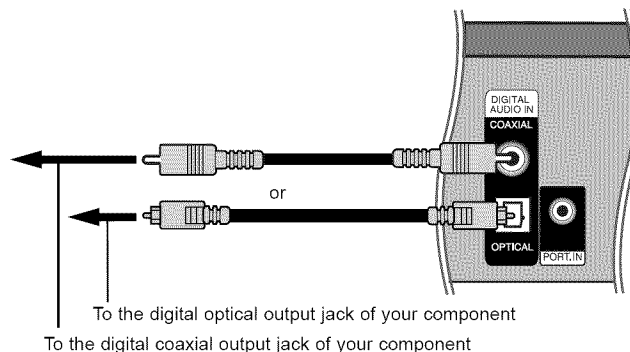
You can enjoy the sound of your component with the analog audio output jacks from the speakers of the system.



	ON REMOTE
1 Connect the analog audio output jacks of your component into the AUX L/R (INPUT) on the rear panel of this unit:	-
2 Turn the power on:	POWER
3 Select the [AUX] option:	INPUT
4 Turn down the volume of this unit:	VOL. (+/-)
5 Turn your component on:	-
6 Adjust the volume:	VOL. (+/-)

Using DIGITAL AUDIO IN jacks

You can enjoy the sound of your component with the digital optical or coaxial output jack from the speakers of the system.



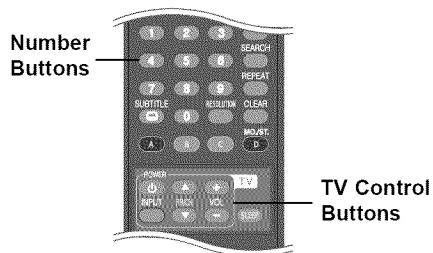
	ON REMOTE
1 Connect the optical or coaxial output jack of your component into the OPTICAL or COAXIAL (DIGITAL AUDIO IN) jack on the rear panel of this unit.	-
2 Turn the power on:	POWER
3 Select the [OPTICAL] or [COAXIAL] option:	INPUT
4 Turn down the volume:	VOL.(+/-)
5 Turn your component on:	-
6 Adjust the volume:	VOL.(+/-)

Reference

Controlling a TV with the Supplied Universal Remote Control

You can control the volume, input source, and power state of your TV with the supplied Universal Remote Control.

You can control your TV using the buttons below.



By pressing	You can
TV POWER	Turn the TV on or off.
INPUT	Switch the TV's input source between the TV and other input sources.
PR/CH ▲/▼	Scan up or down through memorized channels.
VOL +/-	Adjust the volume of the TV.

Note:

Depending on the unit being connected, you may not be able to control your TV using some of the buttons.

To program the remote to control the TV using the manufacturer code

If your TV is listed in the table on the next page, set the appropriate manufacturer code.

1. While holding down TV POWER button, press the number buttons to select the manufacturer code for your TV (Refer to table on the next page).
 - If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.
2. Release TV POWER button.

Notes:

- Depending on your TV, some or all buttons may not function on the TV, even after entering the correct manufacturer code.
- If you enter a new code number, the code number previously entered will be erased.
- When you replace the batteries of the remote, the code number you have set may be reset to the default setting. Set the appropriate code number again.

Code numbers of controllable TVs

Manufacturer	Code Number
ADMIRAL	16,33,37,44,45
AIWA	70
AKAI	01
AMARK	09
AOC	01
BELL & HOWELL	33
BROKSONIC	18,19
CANDLE	51
CCE	07
CENTURION	08
CINERAL	43
CITIZEN	49,50,51,52,53,54,55
CORONADO	09
CROWN	09
CURTIS MATHES	01,03,08,33,35,37,44
DAEWOO	16,38,39,40,41,42,43
DAYTRON	01,08
EMERSON	01,09,16,17,18,19
FISHER	28,29
FUNAI	46,47
GENERAL ELECTRIC	03,10,11,13,37,44
GOLDSTAR	01,07,08,09,35,39,40
GRADIENTE	01,56,57,63,67
HITACHI	09,14,15,43
JC PENNEY	01,08,10,27,35
JVC	20,21,63,67
KIOTE	43
KMC	09
KTV	01,08,09,31
LG	01,07,08,09,35,39,40
LODGENET	33
LOGIK	33
LXI	09,24,25,26,27,28,29

Manufacturer	Code Number
MAGNAVOX	01,02,04,05,06, 07,08,09,20, 34,35,43,51,61,62,65
MAJESTIC	33
MARANTZ	01,32
MEMOREX	33
MGA/MITSUBISHI	01,08,32,34
MONTGOMERY	01,06,08,09
WARD	23,24,32,33,34
NEC	01,08
NOBLEX	07
PACKARD BELL	43
PANASONIC	07,11,13,25,35,36
PHILCO	01,06,07,08,09, 15,38,43,58
PHILIPS	06,07,43,61,62,65
PIONEER	30
PORTLAND	09
PROSCAN	03,37,44
QUASAR	11,13
RADIO SHACK	16,17,23
RCA	01,03,37,44,69
REALISTIC	16,17,23
SAMPO	08
SAMSUNG	01,08,09,25,68
SANYO	28,29
SCOTT	01,08
SEARS	09,25,26,27,28,29
SEMP	64
SHARP	09,22,23,24,60,66
SIGNATURE 2000	01,06,08,09,10, 23,24,33,34

Manufacturer	Code Number
SONY	12,62
SOUNDESIGN	51
SYLVANIA	01,04,05,06,07, 08,35,51
SYMPHONIC	46,47
TATUNG	11
TEKNIKA	07,09,16,33,51
TELERENT	09,33
THOMSON	69
YORX	08
TOSHIBA	01,25,26,27,64
WARDS	01,06,08,09,10,33,34
XR1000	48
ZENITH	01,02,33,59

Language Codes

Use this list to input your desired language for Disc Audio, Disc Subtitle and Disc Menu.

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

Area Codes

Choose an area code from this list.

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

Troubleshooting

Symptom	Possible Cause	Correction
No power.	<ul style="list-style-type: none"> The power cord is disconnected. 	<ul style="list-style-type: none"> Plug the power cord into the wall outlet securely.
The power is on, but the player does not work.	<ul style="list-style-type: none"> No disc is inserted. 	<ul style="list-style-type: none"> Insert a disc. (Check the disc indicator in the display window is lit.)
No picture.	<ul style="list-style-type: none"> The TV is not set to receive DVD signal output. 	<ul style="list-style-type: none"> Select the appropriate video input mode on the TV.
	<ul style="list-style-type: none"> The video cable is not connected securely. 	<ul style="list-style-type: none"> Connect the video cable securely.
	<ul style="list-style-type: none"> The selected resolution is not capable with your TV. 	<ul style="list-style-type: none"> Select another resolution using RESOLUTION button.
No sound.	<ul style="list-style-type: none"> The equipment connected with the audio cable is not set to receive disc signal output. 	<ul style="list-style-type: none"> Select the correct input mode of the audio receiver so you can listen to the sound from the player.
	<ul style="list-style-type: none"> The power of the equipment connected with the audio cable is turned off. 	<ul style="list-style-type: none"> Turn on the equipment connected with the audio cable.
	<ul style="list-style-type: none"> The [AUDIO] options are set to the wrong position. 	<ul style="list-style-type: none"> Set the [AUDIO] options to the correct position (see page 25-26).
	<ul style="list-style-type: none"> The player is in reverse play, fast forward, slow motion or pause mode. 	<ul style="list-style-type: none"> Return to the normal playback.
The player does not start playback.	<ul style="list-style-type: none"> The disc is upside down. 	<ul style="list-style-type: none"> Insert the disc with the playback side down.
	<ul style="list-style-type: none"> An unplayable disc is inserted. 	<ul style="list-style-type: none"> Insert a playable disc. (Check the disc type and regional code.)
	<ul style="list-style-type: none"> The rating level is set. 	<ul style="list-style-type: none"> Change the rating level.
	<ul style="list-style-type: none"> The disc was recorded on another unit and was not finalized. 	<ul style="list-style-type: none"> Finalize the disc on that unit.
The Remote Control does not work properly.	<ul style="list-style-type: none"> The Remote Control is not pointed at the remote sensor on the player. 	<ul style="list-style-type: none"> Point the Remote Control at the remote sensor of the player.
	<ul style="list-style-type: none"> The Remote Control is too far from the player. 	<ul style="list-style-type: none"> Operate the Remote Control closer to the player.

Troubleshooting

Symptom	Possible Cause	Correction
BD-Live feature does not work.	<ul style="list-style-type: none"> A USB device is not connected. 	<ul style="list-style-type: none"> Connect a FAT16 or FAT32 formatted USB device to the USB port (see page 22).
	<ul style="list-style-type: none"> The connected USB device does not have enough space. 	<ul style="list-style-type: none"> Secure at least 1GB free space in the USB device for using BD-Live features
	<ul style="list-style-type: none"> Internet connection is not established. 	<ul style="list-style-type: none"> Ensure that the unit is correctly connected to the local area network and can access the internet (see page 17-18).
	<ul style="list-style-type: none"> The [BD-LIVE connection] option in the [Setup] menu is set to [Prohibited]. 	<ul style="list-style-type: none"> Set the [BD-LIVE connection] option to [Permitted].
	<ul style="list-style-type: none"> The connected USB device is damaged. 	<ul style="list-style-type: none"> Format the USB device on your PC then re-connect it to USB port on the unit.
Streaming video services (such as Netflix, etc.) often stop or “buffer” during playback.	<ul style="list-style-type: none"> You broadband service speed may not be fast enough to stream video services (such as Netflix, etc.) 	<ul style="list-style-type: none"> Contact your Internet Service Provider (ISP) and increase the broadband speed is recommended.
Radio stations cannot be tuned in.	<ul style="list-style-type: none"> The signal strength of the stations is too weak (when tuning in with automatic tuning). 	<ul style="list-style-type: none"> Use direct tuning.

Customer Support

You can update the Player using the latest software to enhance the products operation and/or add new features.

To obtain the latest software for this player (if updates have been made), please visit <http://us.lgservice.com> or contact LG Electronics customer care center.

- Design and specifications are subject to change without notice.

Resetting the unit

If you observe any of the following symptoms.

- The unit is plugged in, but the power will not turn on or off.
- The front panel display is not working.
- The unit is not operating normally.

You can reset the unit as follows.

- Press and hold the POWER button for at least five seconds. This will force the Player to power off. Press the POWER button again to turn the Player back on.
- Unplug the power cord, wait at least five seconds, and then plug it in again.

Specifications

General

Power requirements:	AC 120 V~, 60 Hz
Power consumption:	130 W
Dimensions (W x H x D):	Approx. 16.9 x 2.9 x 14.9 inches (430 x 76 x 379 mm) without foot
Net Weight (Approx.):	10.5 lbs (4.8 kg)
Operating temperature:	41 °F to 95 °F (5 °C to 35 °C)
Operating humidity:	5 % to 90 %

Inputs/Outputs

VIDEO OUT:	1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1
COMPONENT VIDEO OUT:	(Y) 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1 (Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA jack x 2
HDMI OUT (video/audio):	19 pin (HDMI standard, Type A)
ANALOG AUDIO IN:	2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R) x 1
DIGITAL IN (COAXIAL):	0.5 V (p-p), 75 Ω, RCA jack x 1
DIGITAL IN (OPTICAL):	3 V (p-p), Optical jack x 1
PORT. IN:	0.5 Vrms (3.5 ϕ stereo jack)

Tuner FM/AM

FM Tuning Range:	87.5 - 108.0 MHz
AM Tuning Range:	520 - 1.710 kHz

Amplifier

Stereo mode:	155 W + 155 W (4Ω at 1 KHz, THD 10%)
Surround mode:	Left+Right: 155 W + 155 W (THD 10%) Center: 155 W Surround: 155 W + 155 W (4Ω at 1 KHz, THD 10%) Subwoofer: 225 W (3Ω at 30 Hz, THD 10%)

System

Laser:	Semiconductor laser, wavelength: 405nm / 650 nm
Signal system:	Standard NTSC color TV system
Frequency response:	20 Hz to 20 kHz
Signal-to-noise ratio:	More than 100 dB
Harmonic distortion:	Less than 0.008%
Dynamic range:	More than 95 dB
LAN port:	Ethernet jack x 1, 10BASE-T/100BASE-TX

Speakers

	Front speaker	Rear Speaker	Center Speaker	Passive Subwoofer
Type	1 Way 1speaker	1 Way 1 speaker	1 Way 1 speaker	1 Way 1 speaker
Impedance	4Ω	4Ω	4Ω	3Ω
Rated Input Power	155 W	155 W	155 W	225 W
Max. Input power	310 W	310 W	310 W	450 W
Net Dimensions (W x H x D)	3.7 x 9.4 x 4.2 inches (96 x 240 x 108 mm)	3.7 x 9.4 x 4.2 inches (96 x 240 x 108 mm)	13.7 x 4 x 3.6 inches (350 x 105 x 93 mm)	8.5 x 15.9 x 12.2 inches (216 x 405 x 310 mm)
Net Weight	1.7 lbs (0.8 kg)	1.7 lbs (0.8 kg)	1.9 lbs (0.9 kg)	13 lbs (5.9 kg)

Accessories

Speaker cable (6), Remote control (1), Battery (1), Component cable (1), AM antenna (1), FM antenna (1), Video cable (1)

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PARTS: One Year from the Date of Purchase.

* Parts replaced are warranted for the remaining portion of the original warranty period.

HOW SERVICE IS HANDLED:

Call **1-800-243-0000** for instructions on getting the defective unit repaired or replaced.

Please retain dated sales receipt and your box to return the unit to LG for repair or replacement.

Shipping both ways will be paid by LG during the Warranty Period. After the Warranty Period, you pay inbound shipping charges and LG pays return shipping charges.

Visit our website at: <http://www.lgservice.com>

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