LG
Life's Good

ENGLISH
DEUTSCH
FRANÇAIS
ITALIANO

SIMPLE MANUAL

Blu-ray Disc™/DVD Player with built-in HDD & HD Tuner

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

HR931C / HR932C / HR933C / HR935C / HR939C



Safety Information



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.

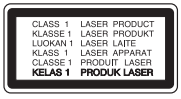


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

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 centre.

Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.
To prevent direct exposure to laser beam, do not try to open the enclosure.

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit;

That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service centre. 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.

This device is equipped with a portable battery or accumulator.

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

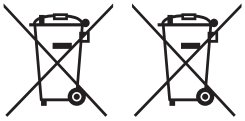
CAUTION: The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Disposal of your old appliance



1. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
2. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
3. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

Disposal of waste batteries/accumulators



Pb

1. This symbol may be combined with chemical symbols for mercury(Hg), cadmium(Cd) or lead(Pb) if the battery Contains more that 0.0005% of mercury,0.002% of cadmium or 0.004% of lead.
2. All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of Your old batteries/ accumulators will help to prevent potential negative consequences for the environment, animal and human health.
4. For more detailed information about disposal of Your old batteries/accumulators, please contact Your city office, waste disposal service or the shop where You purchased the product.

For Wireless product European Union Notice

CE 0984

LG Electronics hereby declares that this/these product(s) is/are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC, 2004/108/EC, 2006/95/EC, 2009/125/EC and 2011/65/EU.

Please contact to the following address for obtaining a copy of the DoC (Declaration of Conformity).

Contact office for compliance of this product :

LG Electronics Inc.
EU Representative, Krijgsman 1,
1186 DM Amstelveen, The Netherlands

- Please note that this is NOT a Customer Service contact point. For Customer Service Information, see Warranty Card or contact the dealer that you purchased this product.

Indoor use only.

RF Radiation Exposure Statement

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Notes on Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi. Reverse engineering or disassembly is prohibited.

Important Notice for TV colour system

The colour system of this player differs according to currently playing discs.

For example, when the player plays the disc recorded in the NTSC colour system, the image is output as an NTSC signal.

Only the multi system colour TV can receive all signals output from the player.

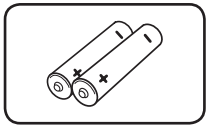
- If you have a PAL colour system TV, you will see just distorted images when using discs or video contents recorded in NTSC.
- The multi system colour TV changes the colour system automatically according to input signals. In case that the colour system is not changed automatically, turn it off and then on to see normal images on screen.

- Even if the disc recorded in NTSC colour system are well displayed on your TV, these may not be recorded correctly on your recorder.

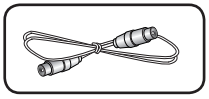
Supplied Accesorries



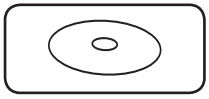
Remote control (1)



Battery (2)



RF cable (1)



CD manual & DLNA Bundle

LG AV Remote

You can control this player with your iPhone or Android phone via your home network.
This player and your phone must be connected to your wireless network device such as access point. Visit "Apple iTunes" or "Google Android Market (Google Play Store)" for detailed information of "LG AV Remote".

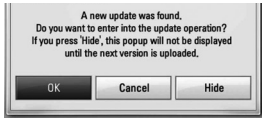
Network Software Update

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.
[Cancel]	Exits the update menu and displays it next booting.
[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 "Update" icon appears in the Home menu. Press blue (B) coloured button to start the update procedure.

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To view the Owner's Manual on the CD-ROM

Load the supplied CD-ROM into the CD-ROM drive on your PC. After a while, the web page will open automatically. (Windows users only)
If the web page does not appear automatically, browse the CD-ROM drive and double-click the "index.html" file.

To view the Owner's Manual on the CD-ROM, Adobe Acrobat Reader must be installed on your PC. The "Acrobat Reader" folder on the CD-ROM contains the installation program for Acrobat Reader.

Introduction

Playable Discs and symbols used in this manual

Media/Term	Logo	Symbol	Description
Blu-ray		BD	• Discs such as movies that can be purchased or rented. • "Blu-ray 3D" discs and "Blu-ray 3D ONLY" discs. • BD-R/RE discs that are recorded in BDAV format.
		MOVIE MUSIC PHOTO	• BD-R/RE discs that contain Video, Audio or Photo files. • ISO 9660+JOLIET, UDF and UDF Bridge format
DVD-ROM DVD-R DVD-RW DVD+R DVD+RW (8 cm, 12 cm)		DVD	• Discs such as movies that can be purchased or rented. • Video mode and finalized only • Supports the dual layer disc also
		AVCHD	Finalized AVCHD format
		MOVIE MUSIC PHOTO	• DVD±R/RW discs that contain Video, Audio or Photo files. • ISO 9660+JOLIET, UDF and UDF Bridge format
DVD-RW (VR) (12 cm)		DVD	VR mode and finalized only
Audio CD (12 cm)		ACD	Audio CD
CD-R/RW (8 cm, 12 cm)		MOVIE MUSIC PHOTO	• CD-R/RW discs that contain Video, Audio or Photo files. • ISO 9660+JOLIET, UDF and UDF Bridge format
HDD	–	MOVIE MUSIC PHOTO	Movie, Music, Photo files contained in the HDD
		REC	Titles recorded via this unit
Note	–		Indicates special notes and operating features.
Caution	–		Indicates cautions for preventing possible damages from abuse.

File requirement

Movie files

File Location	File Extension	Codec Format	Audio Format	Subtitle
Disc, USB	".avi", ".divx", ".mpg", ".mpeg", ".mkv", ".mp4", ".asf", ".wmv", ".m4v" (DRM free), ".ts"	DIVX 3.11, DIVX4, DIVX5, DIVX6, XVID (standard playback only), H.264/ MPEG-4 AVC, DIVX-HD, MPEG1 SS, MPEG2 PS, MPEG2 TS	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), VobSub (.sub), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)
DLNA, PC	".avi", ".divx", ".mpg", ".mpeg", ".mkv", ".mp4", ".asf", ".wmv"	DIVX 3.11, DIVX4, DIVX5, DIVX6, XVID (standard playback only), H.264/ MPEG-4 AVC, DIVX-HD, MPEG1 SS, MPEG2 PS, MPEG2 TS	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)

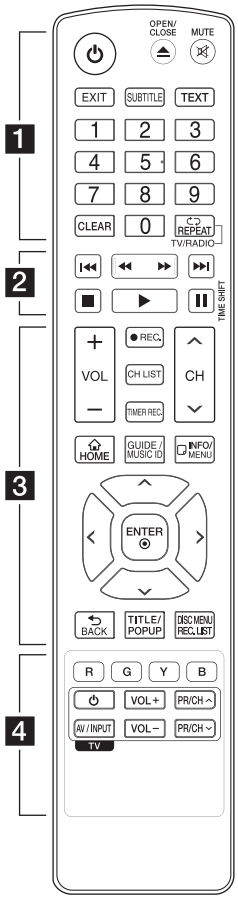
Music files

File Location	File Extension	Sampling Frequency	Bitrate	Note
Disc, USB, DLNA, PC	".mp3", ".wma", ".wav", ".m4a" (DRM free)	between 8 - 48 kHz (WMA), within 11 - 48 kHz (MP3), 44.1 and 48 kHz (LPCM)	between 8 - 320 kbps (WMA, MP3), 768 kbps and 1.536 Mbps (LPCM)	Some wav files are not supported on this player.

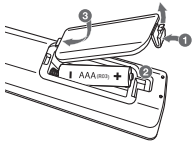
Photo files

File Location	File Extension	Recommended Size	Note
Disc, USB, DLNA, PC	".jpg", ".jpeg", ".png",	Less than 4,000 x 3,000 x 24 bit/pixel Less than 3,000 x 3,000 x 32 bit/pixel	Progressive and lossless compression photo image files are not supported.

Remote control



Replacement of battery



Remove the battery cover on the rear of the Remote Control, and insert two R03 (size AAA) batteries with ⊕ and ⊖ matched correctly.

• • • • • • **1** • • • • • •

(POWER): Switches the player ON or OFF.

(OPEN/CLOSE): Opens and closes the disc tray.

MUTE ( ): Mutes the sound.

EXIT: Exits a menu or hides on-screen information.

SUBTITLE: Selects a subtitle language.

TEXT: Switches between teletext mode and normal TV viewing.

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

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

REPEAT ( ): Repeats a desired section or sequence.

TV/RADIO: Switches between TV and radio modes.

• • • • • • **2** • • • • •

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

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

■ **(STOP):** Stops playback.

▶ **(PLAY):** Starts playback.

II **(PAUSE):** Pauses playback.

TIME SHIFT: Activates pause live TV/playback (timeshift) for a live TV programme.

• • • • • • **3** • • • • •

VOL (-/+): Adjusts the sound level of the unit.

REC. (●): Starts recording.

CH LIST: Displays the Channel list.

TIMER REC.: Displays [Timer Recording] menu.

CH (Λ / V): Scans up or down through memorized programmes.

HOME ( ): Displays or exits the [Home Menu].

GUIDE: Displays the EPG menu.

MUSIC ID: When connected to the network, can provide information about the current song while video playback.

INFO/MENU ( ): Displays or exits On-Screen Display.

Direction buttons: Selects an option in the menu.

ENTER ( ): Acknowledges menu selection.

BACK ( ): Exits the menu or BACKs to the previous screen.

TITLE/POP UP: Displays the DVD title menu or BD-ROM's pop-up menu, if available.

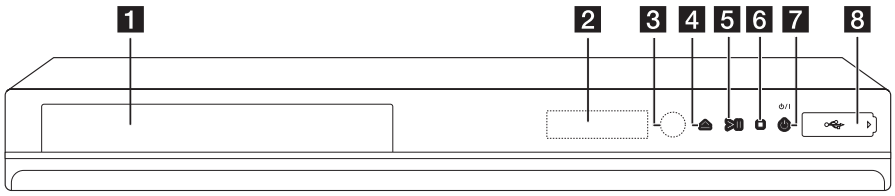
DISC MENU/REC.LIST: Accesses menu on a disc or switches between recording list menu.

• • • • • • **4** • • • • •

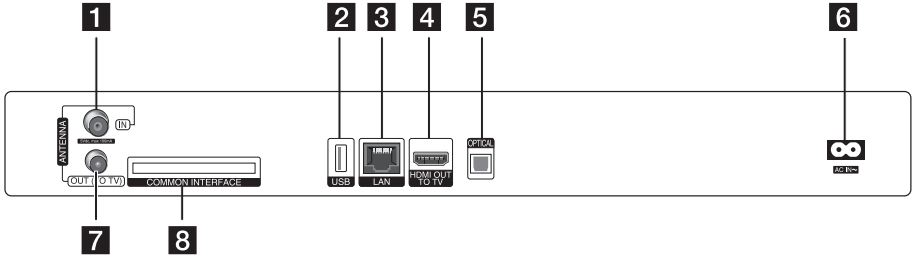
Coloured (R, G, Y, B) buttons: Use to navigate BD-ROM menus. They are also used for [MOVIE], [PHOTO], [MUSIC], [Premium], [LG Apps] and [DTV] menu.

TV Control Buttons: Refer to the maual on the supplied CD-ROM disc.

Main Unit



1 **Disc Tray**
2 **Display window**
3 **Remote Sensor**
4 **⏏ (Open/Close)**
5 **>II (Play/Pause)**
6 **□ (Stop)**
7 **⏻/I (Power)**
8 **USB Port**
This port is not for recording with USB HDD. To record the TV program, use the USB port on the rear panel of the unit.



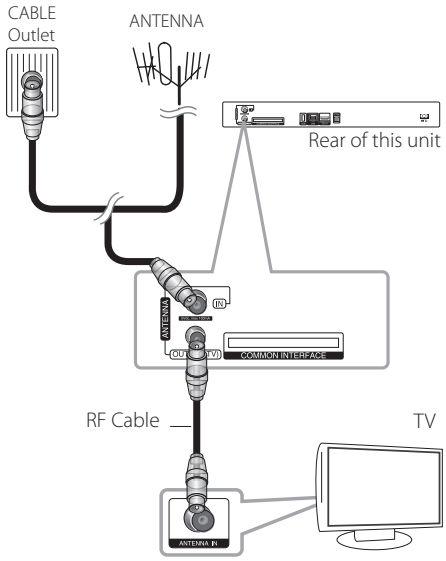
1 **ANTENNA IN**
2 **USB Port**
If you want to record on external HDD, connect external HDD to unit.
3 **LAN port**
4 **HDMI OUT (TO TV)**
5 **OPTICAL (DIGITAL AUDIO OUT)**
6 **AC IN connector**
Connect the supplied power cord.
7 **ANTENNA OUT (TO TV)**
8 **COMMON INTERFACE**
Slot for external Conditional Access (CA)-module and smart card used to decode scrambled channels. This device works with CI or CI+ CAM.

Connections to Your TV

Antenna connection to your TV and this unit

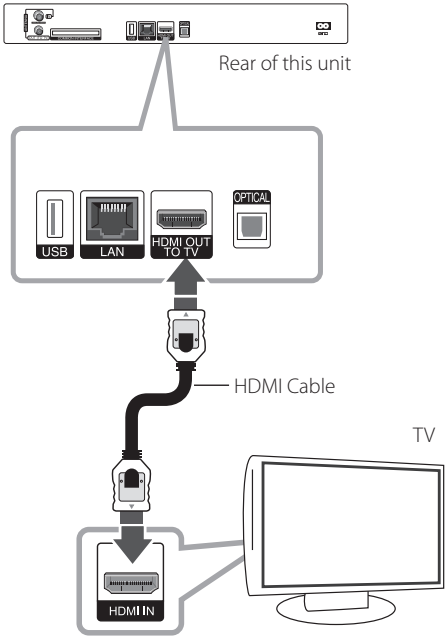
Connect one end of the RF cable to ANTENNA OUT(TO TV) jack on the unit and other end to ANTENNA IN jack on your TV. Passes the signal from the ANTENNA IN jack to your TV/monitor.

Connect the CATV line or Terrestrial TV antenna to the ANTENNA IN jack on the unit. If you want to use an indoor antenna, use one with a signal amplifier rated at 5V, 100mA and set [Antenna 5V] to [ON] in the setup menu.



HDMI Connection

If you have a HDMI TV or monitor, you can connect it to this unit using a HDMI cable (Type A, High Speed HDMI™ Cable). Connect the HDMI jack on the unit to the HDMI jack on a HDMI compatible TV or monitor.



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

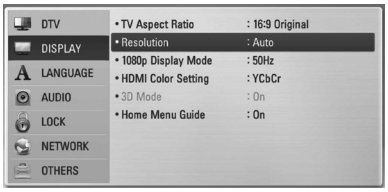
Resolution Setting

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

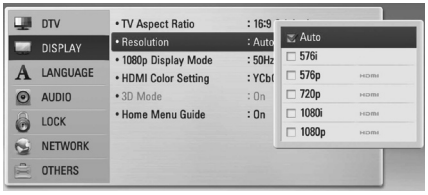
1. Press HOME (⌂).
2. Use < / > to select the [Setup] and press ENTER (⊙). The [Setup] menu appears.



3. Use Λ / V to select [DISPLAY] option then press > to move to the second level.



4. Use < / > to select the [Resolution] option then press ENTER (⊙) to move to the third level.



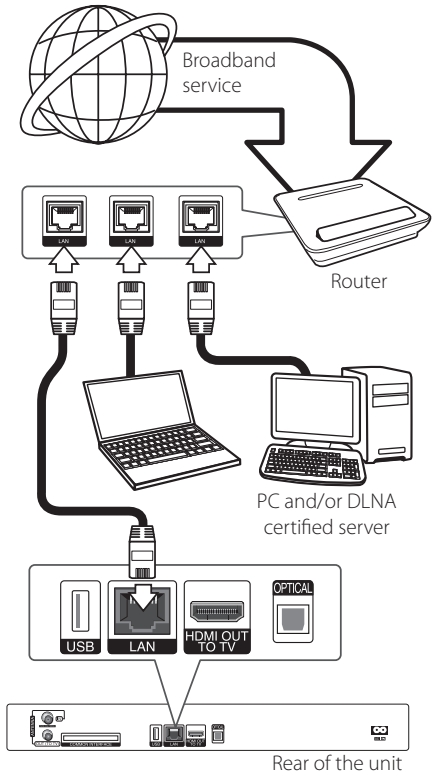
5. Use Λ / V to select the desired resolution then press ENTER (⊙) to confirm your selection.

Wired network connection

Using a wired network provides the best performance, because the attached devices connect directly to the network and are not subject to radio frequency interference.

Please refer to the documentation for your network device for further instructions.

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



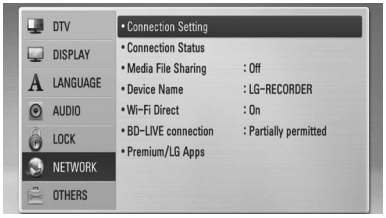
Wired Network Setup

If there is a DHCP server on the local area network (LAN) via wired connection, this player will automatically be allocated an IP address. After making the physical connection, a small number of home networks may require the player's network setting to be adjusted. Adjust the [NETWORK] setting as follow.

Preparation

Before setting the wired network, you need to connect the broadband internet to your home network.

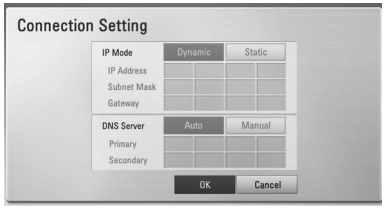
1. Select [Connection Setting] option in the [Setup] menu then press ENTER (⊙).



2. The [Connection Setting] menu will appear on the screen. Use Λ / V to select the [Wired] and press ENTER (⊙).



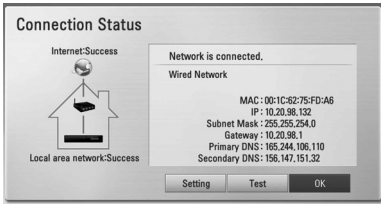
3. Select [Yes] and press ENTER (⊙) to continue. The new connection settings reset the current network settings.
4. Use Λ / V / < / > to select the IP mode between [Dynamic] and [Static]. Normally, select [Dynamic] to allocate an IP address automatically.



Note

If there is no DHCP server on the network and you want to set the IP address manually, select [Static] then set [IP Address], [Subnet Mask], [Gateway] and [DNS Server] using Λ / V / < / > and numerical buttons. If you make a mistake while entering a number, press CLEAR to clear the highlighted part.

5. Select [OK] and press ENTER (⊙) to apply network settings.
6. The player will ask you to test the network connection. Select [OK] and press ENTER (⊙) to complete the network connection.
7. If you select [Test] and press ENTER (⊙) at step 5 above, the network connection status is displayed on the screen.
   You can also test it on the [Connection Status] in the [Setup] menu.



Settings

Adjust the Setup Settings

You can change the settings of the player in the [Setup] menu.

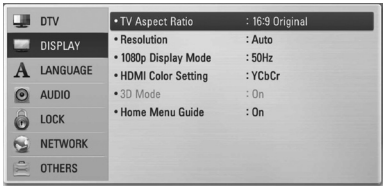
1. Press HOME (⌂).



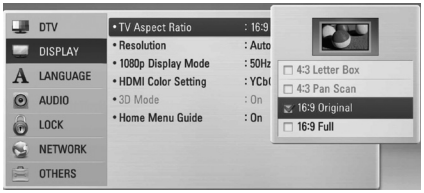
2. Use < / > to select [Setup] and press ENTER (⊙). The [Setup] menu appears.



3. Use Λ / V to select the first setup option, and press > to move to the second level.



4. Use Λ / V to select a second setup option, and press ENTER (⊙) or > to move to the third level.



5. Use Λ / V to select a desired setting, and press ENTER (⊙) or > to confirm your selection.

General Playback

Using [HOME] menu

To access numerous functions of the unit, press HOME on the remote.

HOME: Accesses or removes the Home Menu.
Λ / V / < / >: Used to navigate on-screen displays.
ENTER (⊙): Acknowledges menu selection.
BACK (⮌): Exits the menu.



Favorite Apps

[DTV] - You can watch digital broadcasts.
[Movie] - Plays video contents.
[Photo] - Plays photo contents.
[Music] - Plays audio contents.
[Premium] - Displays the Premium Home screen.
[LG Apps] - Displays the [LG Apps] screen.
[Setup] - Adjusts the system settings.
[Search] - Searches contents by inputting a keyword on the search menu.
[Recordings] - Displays [Recordings] menu.
[Favorite Apps] - Shortcut for user's favorite Apps.
[My Apps] - Displays the [My Apps] screen.

Playing a Disc

BD **DVD** **ACD**

1. Press ⏏ (OPEN/CLOSE), and place a disc on the disc tray.
2. Press ⏏ (OPEN/CLOSE) to close the disc tray.
   For most Audio CD, BD-ROM and DVD-ROM discs, playback starts automatically.
3. Press HOME (⌂).
4. Select [Movie], [Photo] or [Music] using < / >, and press ENTER (⊙).
5. Select the [Disc] using Λ / V, and press ENTER (⊙).

While navigating [Movie], [Photo] or [Music] menu, press green (G) colored button to change the device. (DISC, USB or HDD)

6. Select a file using Λ / V / < / >, and press ► (PLAY) or ENTER (⊙) to play the file.

Note

- Playback functions described in this manual are not always available in every files and media. Some functions can be restricted depending on many factors.
- Depending on the BD-ROM titles, a USB device connection may be needed for proper playback.

Playing a file on disc/USB device

MOVIE **MUSIC** **PHOTO**

This player can play movie, music and photo files contained in the disc or USB device.

1. Insert a data disc on the tray or connect a USB device.
2. Press HOME (⌂).
3. Select [Movie], [Photo] or [Music] using < / >, and press ENTER (⊙).
4. Select [Data] or [USB] option using Λ / V, and press ENTER (⊙).
5. Select a file using Λ / V / < / >, and press ►(PLAY) or ENTER (⊙) to play the file.

Basic operations for video and audio content

To stop playback

Press ■ (STOP) while playback.

To pause playback

Press II (PAUSE) while playback.
Press ▶ (PLAY) to resume playback.

To play frame-by-frame (Video)

Press II (PAUSE) while movie playback.
Press II (PAUSE) repeatedly to play Frame-by-Frame playback.

To scan forward or backward

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

You can change the various playback speeds by pressing ◀◀ or ▶▶ repeatedly.

To slow down the playing speed

While the playback is paused, press ▶▶ repeatedly to play various speeds of slow motion.

To skip to the next/previous chapter/track/file

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

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

In the file list menu of a server, there may have many types of contents in a folder together. In this case, press I◀◀ or ▶▶I to go to the previous or next content with same type.

On-Screen display

You can display and adjust various information and settings concerning the content.

BD **DVD** **AVCHD** **MOVIE** **MOVIE-N** **REC**

1. During playback, press INFO/MENU (☐) to show various playback information.



1	**Title** – current title number/total number of titles
2	**Chapter** – current chapter number/total number of chapters
3	**Time** – elapsed playing time/total playback time
4	**Audio** – selected audio language or channel
5	**Subtitle** – selected subtitle
6	**Angle** – selected angle/total number of angles
7	**TV Aspect Ratio** – selected TV aspect Ratio
8	**Picture Mode** – selected picture mode
9	**Movie Information** – Select this option and press ENTER (⊙) to display movie information from Gracenote Media Database (Blu-ray Disc/ DVD only).

Note

- A title number cannot be selected on some discs.
- Available items may differ depending on discs or titles.

Troubleshooting

Symptoms	Cause & Solution
The Power does not turn on.	• Plug the power cord into the wall outlet securely.
The unit does not start playback.	• Insert a playable disc. (Check the disc type, color system, and regional code.) • Insert the disc with the playback side down. • Clean the disc. • Cancel the Rating function or change the rating level.
The angle cannot be changed.	• Multi-angles are not recorded on the DVD Video being played.
Cannot play movie, photo or audio files.	• The files are not recorded in a format that the unit can play. • The unit does not support the codec of the movie file.
The remote control does not work properly.	• The remote control is not pointed at the remote sensor of the unit. • The remote control is too far from the unit. • There is an obstacle in the path between the remote control and the unit. • The batteries in the remote control are exhausted.
Cannot record or does not record successfully.	• Check the remaining space on the HDD. • If your source is copy-protected, you cannot record it using this recorder. • If you set a DTV rating for the recorder and higher rated digital programs are received, the programme cannot be recorded. Change the DTV rating level in order to record it.
Timer record does not record successfully.	• Clock is not set to correct time. • The start time of the timer recording is past. • When setting the recording programme, make sure you set the recorder's built-in tuner, not the TV's built-in tuner. • If the HDD is damaged, the recording may not complete successfully. • If you set two timer recordings at the same time, one of that proceeds after another does. Second Timer recording may proceed in minutes.
You cannot enter a timer programme when.	• In the case that two channels is recording. • The time you're trying to set has already passed. • There are already 32 timer programs set.
If two or more timer programs overlap.	• The earlier programme takes priority. • In the case a reserved recording is stared during recording two channels and a user uses another menu, the reserved recording cannot be operated.

There is no picture.	• Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen. • Connect the video connection securely. • Check the [HDMI Color Setting] in the [Setup] menu is set to the appropriate item that conforms to your video connection. • Your TV may not support the resolution you have set on the unit. Change the resolution to one that your TV accepts. • The player's HDMI OUT jack is connected to a DVI device that does not support copyright protection.
Picture noise appears	• You are playing a disc recorded in a colour system that is different from your TV. • Set the resolution to one that your TV accepts.

There is no sound or the sound is distorted.	• Connect the audio connection securely. • The input source setting on the amplifier or the connection to the amplifier is incorrect. • The unit is in scan, slow motion, or pause mode. • The sound volume is low. • Check that the connected amplifier is compatible with the audio format output from the player. • The player's HDMI OUT jack is connected to a DVI device. The DVI jack does not accept audio signal. • Check the device connected to the player's HDMI OUT jack is compatible with the audio format output from the unit.

BD-LIVE feature does not work.	• The connected USB storage may not have enough space. Connect the USB storage with at least 1GB free space. • Ensure that the unit is correctly connected to the local area network and can access the internet. • Your broadband speed may not be fast enough to use the BD-Live features. Contact your Internet Service Provider (ISP) and increase the broadband speed to suit the unit's requirements. • The [BD-LIVE connection] option in the [Setup] menu is set to [Prohibited]. Set the option to [Permitted].

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://www.lg.com or contact LG Electronics customer care centre.

Open source software notice

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consumption system in stand-by mode is built. There fore, the small amounts of electricity are consumed even though the power plug is inserted.



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MediaHome 4 Essentials

Nero MediaHome 4 Essentials is a software for sharing video, audio and photo files stored on your computer to this player as a DLNA-compatiable digital media server.

Note

- The Nero MediaHome 4 Essentials CD-ROM is designed for PCs and should not be inserted in this player or in any product other than a PC.
- The supplied Nero MediaHome 4 Essentials CD-ROM is a customized software edition only for sharing files and folders to this player.
- The supplied Nero MediaHome 4 Essentials software does not support following functions: Transcoding, Remote UI, TV control, Internet services and Apple iTunes.
- The supplied Nero MediaHome 4 Essentials software can be downloaded at
  - Windows : http://www.nero.com/download.php?id=nmhlgewin
  - Mac OS : http://www.nero.com/download.php?id=nmhlgemac
- This manual explains operations with the English version of Nero MediaHome 4 Essentials as examples. Follow the explanation referring to the actual operations of your language version.

System requirements

Windows PC

- Windows® XP (Service Pack 2 or higher), Windows Vista® (no Service Pack required), Windows® 7 (no Service Pack required), Windows® XP Media Center Edition 2005 (Service Pack 2 or higher), Windows Server® 2003
- Windows Vista® 64-bit edition (application runs in 32-bit mode)
- Windows® 7 64-bit edition (application runs in 32-bit mode)

- Hard drive space: 200 MB hard drive space for a typical installation of Nero MediaHome stand-alone
- 1.2 GHz Intel® Pentium® III or AMD Sempron™ 2200+ processors
- Memory: 256 MB RAM
- Graphics card with at least 32 MB video memory, minimum resolution of 800 x 600 pixels, and 16-bit color settings
- Windows® Internet Explorer® 6.0 or higher
- DirectX® 9.0c revision 30 (August 2006) or higher
- Network environment: 100 Mb Ethernet, WLAN

Macintosh

- Mac OS X 10.5 (Leopard) or 10.6 (Snow Leopard)
- Macintosh computer with an Intel x86 processor
- Hard drive space: 200 MB hard drive space for a typical installation of Nero MediaHome stand-alone
- Memory: 256 MB RAM

Installing Nero MediaHome 4 Essentials

Windows

Start up your computer, and insert the supplied CD-ROM disc into your computer's CD-ROM drive. An installation wizard will walk you through the quick and uncomplicated installation process. To install Nero MediaHome 4 Essentials, proceed as follows:

1. Close all Microsoft Windows programs and exit any anti-virus software that may be running.
2. Insert the supplied CD-ROM disc into your computer's CD-ROM drive.
3. Click [Nero MediaHome 4 Essentials].
4. Click [Run] to start installation.
5. Click [Nero MediaHome 4 Essentials]. The installation is prepared and the installation wizard appears.
6. Click the [Next] button to display the serial number input screen. Click [Next] to go to the next step.
7. If you accept all conditions, click [I accept the License Conditions] check box and click [Next]. Installation is not possible without this agreement.
8. Click [Typical] and click [Next]. The installation process is started.
9. If you want to take part in the anonymous collection of data, select the check box and click the [Next] button.
10. Click the [Exit] button to complete the installation.

MAC OS X

1. Start up your computer, and insert the supplied CD-ROM disc into your computer's CD-ROM drive.
2. Browse the CD-ROM drive and open the "MediaHome_4_Essentials_MAC" folder.
3. Double-click the "Nero MediaHome.dmg" image file. The Nero MediaHome window is opened.
4. In the Nero MediaHome window, drag the Nero MediaHome icon either to the Applications folder within the window or to any other desired location.
5. You can now start the application by double-clicking the Nero MediaHome icon in the location you dragged it to.

Sharing files and folders

On your computer, you must share the folder contained video, audio and/or photo content to play them on this player.

This parts explains the procedure for selecting the shared folders on your computer.

1. Double-click the "Nero MediaHome 4 Essentials" icon.
2. Click [Network] icon on the left and define your network name in the [Network name] field. The Network name you enter will be recognized by your player.
3. Click [Shares] icon on the left.
4. Click [Local Folders] tab on the [Shares] screen.
5. Click [Add] icon to open the [Browse Folder] window.
6. Select the folder containing the files you want to share. The selected folder is added to the list of shared folders.
7. Click [Start Server] icon to start the server.

Note

- If the shared folders or files are not displayed on the player, click the folder on the [Local Folders] tab and click [Rescan Folder] at the [More] button.
- Visit www.nero.com for more information and software tools.

Specifications

General	
Power requirements	AC 200-240 V, 50/60 Hz
Power consumption	40 W
Dimensions (W x H x D)	Approx. 430 x 59.5 x 300 mm without foot
Net Weight (Approx.)	3.12 kg
Operating temperature	5 °C to 35 °C
Operating humidity	5 % to 90 %
Television system:	DVB-T/C Standard Compliant

TV Recording	
Recording format	TS (Transport Stream format)
Recordable media	Hard Disk Drive (160 GB / 250 GB / 320 GB / 500 GB / 1 TB), USB 2.0 HDD
Audio recording format	Dolby Digital (2CH)

Connectors	
HDMI OUT (video/audio)	19 pin (HDMI standard, Type A)
OPTICAL (DIGITAL AUDIO OUT)	3 V (p-p), Optical jack x 1
ANTENNA IN	Antenna input, 75 Ω
USB Port	4 pin (USB 2.0 standard) x 2

System	
Laser	Semiconductor laser
wavelength	405 nm / 650 nm
Signal system	Standard PAL/NTSC colour TV system
Frequency response	20 Hz to 20 kHz (48 kHz, 96 kHz, 192 kHz sampling)
Signal-to-noise ratio	More than 100 dB (Analogue OUT connectors only)
Harmonic distortion	Less than 0.008%
Dynamic range	More than 95 dB
LAN port	Ethernet jack x 1, 10BASE-T/100BASE-TX
Wireless LAN (internal antenna)	Integrated IEEE 802.11n (Draft 2.0) wireless networking access, compatible with 802.11b/g Wi-Fi networks.
Bus Power Supply (USB)	DC 5 V ⎓ 500 mA

- Design and specifications are subject to change without notice.



An extended Owner's Manual that contains information on the advanced features is located on the CD-ROM provided in an electronic version. To read these files, you will need to use a Personal Computer (PC) equipped with a CD-ROM drive.