



ENGLISH

# SIMPLE MANUAL

# HDD / DVD RECORDER

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

RH735T / RH733T / RH732T / RH731T



MFL68864976

## 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.



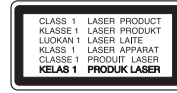
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**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.

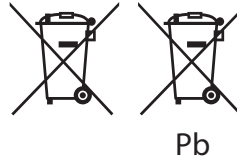
**CAUTION:** The apparatus shall not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, shall be placed on the apparatus.

#### 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



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.



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

#### 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.

### Notes on Copyrights

- Recording equipment should be used only for lawful copying and you are advised to check carefully what is lawful copying in the area in which you are making a copy. Copying of copyright material such as films or music is unlawful unless permitted by a legal exception or consented to by the rights owner.
- 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 Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.
- CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 625p UNIT PLEASE CONTACT OUR CUSTOMER SERVICE CENTRE.
- Many 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.
- Under the U.S. Copyright laws and Copyright laws of other countries, unauthorized recording, use, display, distribution, or revision of television programs, videotapes, DVDs, CDs and other materials may subject you to civil and/or criminal liability.

### 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.

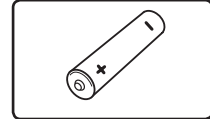
Only the multi system colour TV can receive all signals output from the player.

- 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.

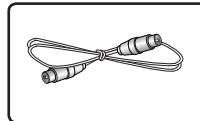
### Supplied Accesories



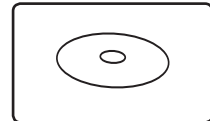
Remote control (1)



Battery (1)



RF cable (1)



CD manual

# Table of Contents

## 1 Getting Started

---

- 2 Safety Information
- 4 – Supplied Accessories
- 6 Introduction
- 6 – Playable Discs and symbols used in this manual
- 6 – About the “⓪” symbol display
- 6 – Regional Code
- 7 – Compatibility Notes
- 7 – AVCHD (Advanced Video Codec High Definition)
- 7 – System Requirements
- 8 – Recordable Discs
- 8 – Recommended recordable DVD discs
- 8 – File compatibility
- 10 Remote control
- 11 Main Unit
- 12 Connections to Your TV
- 12 – Antenna connection to your TV and this unit
- 12 – Video/Audio (Left/Right) Connection
- 13 – HDMI Connection
- 13 – Resolution Setting

## 2 System Setting

---

- 14 Auto Set Up
- 15 Home Menu Overview
- 15 – Basic button operations
- 15 Settings
- 15 – Adjust the Setup Settings

## 3 Operating

---

- 16 General Playback
- 16 – Playing a disc
- 17 – Playing a file on Linked Devices
- 18 – Basic operations for video and audio content
- 18 – Basic operations for photo content
- 19 On-Screen display
- 19 – Displaying content information on-screen
- 19 Using the Recording title Copy

## 4 Troubleshooting

---

- 22 Troubleshooting
- 22 – General
- 22 – Resetting the unit
- 23 – Playback
- 23 – Recording
- 24 – HDMI
- 24 – Customer Support
- 24 – Open source software notice

## 5 Appendix

---

- 25 Trademarks and Licenses
- 25 About the internal hard disk drive
- 26 Specifications

1

2

3

4






















5

# Introduction

1

Getting Started

## Playable Discs and symbols used in this manual

Media/Term	Logo	Symbol	Description
DVD-ROM DVD-R DVD-RW DVD+R DVD+RW (12 cm, 8 cm)	    	    	<ul style="list-style-type: none"> <li>Discs such as movies that can be purchased or rented.</li> <li>Video mode and finalized only</li> <li>Supports the dual layer disc also</li> </ul> Finalized AVCHD format <ul style="list-style-type: none"> <li>DVD±R/RW discs that contain Video, Audio or Photo files.</li> <li>ISO 9660+JOLIET, UDF and UDF Bridge format</li> </ul>
DVD-RW (VR) (12 cm)			VR mode and finalized only
Audio CD (12 cm)			Audio CD
CD-R/RW (12 cm, 8 cm)		  	<ul style="list-style-type: none"> <li>CD-R/RW discs that contain Video, Audio or Photo files.</li> <li>ISO 9660+JOLIET, UDF and UDF Bridge format</li> </ul>
HDD	–		Titles recorded via this unit
Note	–		Indicates special notes and operating features.
Caution	–		Indicates cautions for preventing possible damages from abuse.

### 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.

### Regional Code

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

### ! Note

- 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, DVD±R/RW) may not be playable.
- DVD-R/RW, 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 Recorder'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.

## Compatibility Notes

- 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 DVD discs may restrict the use of some operation commands or features.

- You can use a USB device that is used to store some disc related information. The disc you are using will control how long this information is retained.

## 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 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.
- Some AVCHD format discs may not be played, depending on the recording condition.
- AVCHD format discs need to be finalized.
- "x.v.Color" offers a wider colour range than normal DVD camcorder discs.

## System Requirements

For high definition video playback:

- High definition display that has HDMI input jacks.
- 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.

For Dolby® Digital Plus, Dolby TrueHD audio playback:

- An amplifier/receiver with a built-in (Dolby Digital, Dolby Digital Plus, Dolby TrueHD or DTS).
- Main, centre, surround speakers and subwoofer as necessary for chosen format.

## Recordable Discs

 	<b>DVD-R/ DVD+R(DL):</b> <ul style="list-style-type: none"> <li>- Format is available (only 1 time), with UDF type</li> <li>- Record is available over and over (Multi-session is supported)</li> <li>- You may need to finalize a disc to play it with different unit. Once a disc is finalized, you can't record any more.</li> </ul>
 	<b>DVD-RW/ DVD+RW:</b> <ul style="list-style-type: none"> <li>- Format is available repeatedly, with UDF type</li> <li>- Record is available over and over (Single-session is supported).</li> </ul>

## Recommended recordable DVD discs

<b>DVD-R</b>	Mitsubishi (8x, 16x), Verbatim (8x, 16x)
<b>DVD-RW</b>	Mitsubishi (8x, 16x), Verbatim (8x, 16x), JVC (4x), Maxell (4x)
<b>DVD+R</b>	Mitsubishi (8x, 16x), Verbatim (8x, 16x)
<b>DVD+R(DL)</b>	Verbatim (8x, 4x), MKM (8x, 4x), CMC (4x), RITEK (4x)
<b>DVD+RW</b>	Mitsubishi (8x, 16x), HP (4x), Verbatim (4x), Ricoh (4x)

### Note

- If a DVD-RW/DVD+RW disc is recorded using a personal computer or other DVD recorder, you cannot format the disc using this recorder. So if you want to use the disc on this recorder, you must format the disc using the original recorder.
- While recording, in case of DVD-R/+R disc, there may be noise from the unit. But it is not a problem.
- Recordable DVD is used only for Recorded Title Copy. (Refer to the manual on the supplied CD-ROM disc.)
- Recorded Title is copied as TS Format File to Recordable DVD. So Disc copied on this unit may not be played on other player or recorder.

## File compatibility

### Overall

**Available File extensions:** ".jpg", ".jpeg", ".png", ".avi", ".divx", ".mpg", ".mpeg", ".mkv", ".mp4", ".ts", ".mp3", ".wma", ".m4a"

- The file name is limited to 128 characters.
- Depending on the size and number of the files, it may take several minutes to read the contents on the media.

**Maximum Files/Folder:** Less than 2000 (total number of files and folders)

### CD-R/RW, DVD±R/RW:

ISO 9660+JOLIET, UDF and UDF Bridge format

### MOVIE

**Available resolution:** 1920 x 1080 (W x H) pixels

**Playable subtitle:** SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), DVD Subtitle System (.txt), TMPlayer (.txt)

**Playable Codec format:** "DIVX 3.11", "DIVX4", "DIVX5", "DIVX6", "MPEG4 PART2", "MPEG4 VISUAL"

"XVID" (Standard playback only), H.264/MPEG-4 AVC, MPEG2 PS, MPEG2 TS

- "DIVX3", "DIVX4", "DIVX5", "DIVX6", "XVID", "MPEG4 PART2", "MPEG4 VISUAL": Less than 720 x 576 (resolution) and 5Mbps (Bitrate)

**Playable Audio format:** "Dolby Digital", "DTS", "MP3", "WMA", "AAC"



- Not all the WMA and AAC Audio formats are compatible with this unit.
- MPEG2 Audio Codec are not supported on this unit.
- DTS is only available when this unit is connected to the equipment supporting DTS.

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

**Bit rate:** within 20 - 320 kbps (WMA), within 32 - 320 kbps (MP3)

### ! Note

- HD movie files contained on the CD or USB 1.0/1.1 may not be played properly. DVD or USB 2.0 are recommended to play back HD movie files.
- This unit supports H.264/MPEG-4 AVC profile Main, High at Level 4.1.
- This unit does not support the file that are recorded with GMC\*<sup>1</sup> or Qpel\*<sup>2</sup>. Those are video encoding techniques in MPEG4 standard, like DivX or XVID.  
\*1 GMC – Global Motion Compensation  
\*2 Qpel – Quarter pixel
- HD movie files that need high performance playback could react slowly.
- The total playback time indicated on the screen may not be correct for .ts files.

## MUSIC

**Sampling frequency:** between 8 - 48 kHz (WMA), within 32 kHz - 48 kHz (MP3)

**Bit rate:** between 32 - 320 kbps (MP3) and between 8 - 320 kbps (WMA)

### ! Note

The total playback time indicated on the screen may not be correct for VBR files.

## PHOTO

### Recommended size:

JPG File

- Baseline JPG : Less than 16M pixel, Max width 6000 pixel
- Progressive JPG : Less than 4M pixel, Max width 6000 pixel

PNG File

- 64bits : Less than 1M pixel, Max width 4096 pixel
- 32bits : Less than 2M pixel, Max width 4096 pixel

### ! Note

Depending on the size and number of the JPEG files, it may take several minutes to read the contents of the media.

### Thumbnail image:

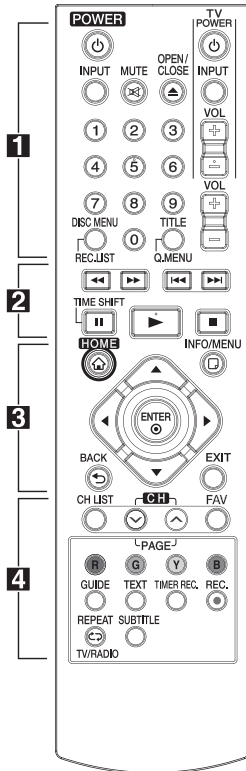
JPG File : Less than 16M pixel, Max width 6000 pixel

PNG File : Less than 16M pixel, Max width 4096 pixel

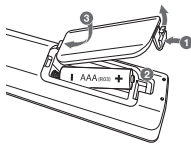
- This unit just supports Baseline JPG and 32bits PNG in thumbnail.

## Remote control

1  
Getting Started



### Replacement of battery



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

..... **1** .....

**POWER** (⏻): Switches the player ON or OFF.

**INPUT**: Changes the input for recording (Tuner or AV mode).

**MUTE** (🔇): Mutes the sound.

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

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

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

**TITLE/Q.MENU**: Displays the DVD title menu or sets options menu, if available.

**TV (TV Control Buttons)**: Refer to the manual on the supplied CD-ROM disc.

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

..... **2** .....

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

**⏪/⏩ (SKIP)**: Goes to the next or previous chapter / track / file.

**■ (STOP)**: Stops playback.

**▶ (PLAY)**: Starts playback.

**⏸ (PAUSE)**: Pauses playback.

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

..... **3** .....

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

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

**Direction buttons**: Selects an option in the menu.

**ENTER** (⊙): Acknowledges menu selection.

**BACK** (↶): Exits the menu or returns to the previous screen.

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

..... **4** .....

**CH LIST**: Displays the Channel list.

**CH/PAGE (V / ^)**: Scans up or down through memorized programmes or previous or next viewing page.

**FAV**: Displays the favourite programme list.

**Coloured (R, G, Y, B) buttons**: Use to navigate screen menus.

**GUIDE**: Displays the programme guide menu.

**TEXT**: Switches between teletext mode and normal TV viewing.

**TIMER REC.:** Displays [Timer Recording] menu.

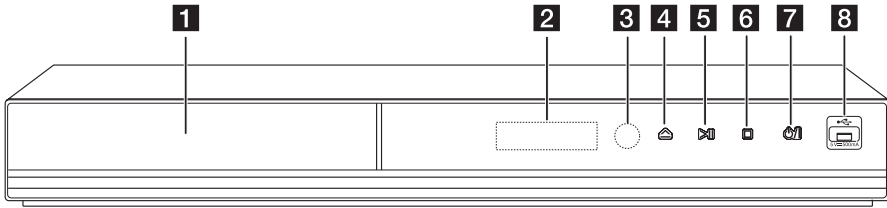
**REC. (●)**: Starts recording.

**REPEAT** (↺): Repeats a desired section or sequence.

**TV/RADIO**: Switches between TV and radio channel.

**SUBTITLE**: Selects a subtitle language.

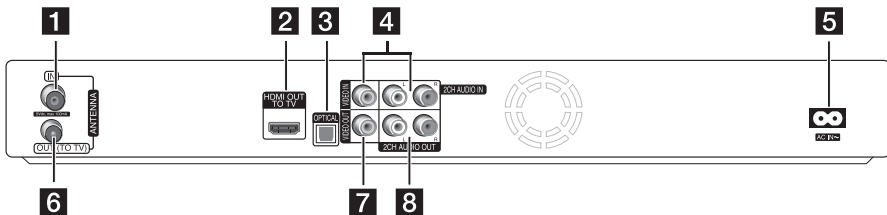
## Main Unit



1

Getting Started

- 1** Disc Tray
- 2** Display window
- 3** Remote Sensor
- 4** △ (Open/Close)
- 5** >|| (Play/Pause)
- 6** □ (Stop)
- 7** ⏻/⏻ (Power)
- 8** USB Port



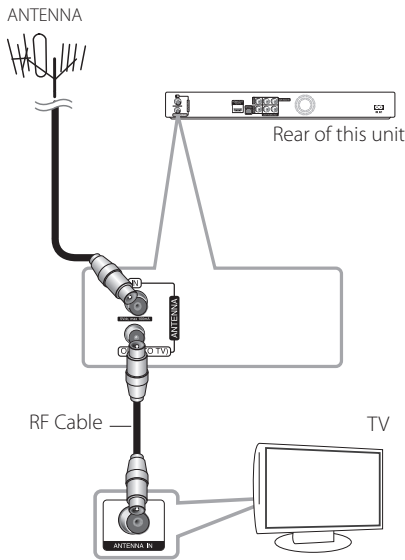
- 1** ANTENNA IN
- 2** HDMI OUT (TO TV)
- 3** OPTICAL (DIGITAL AUDIO OUT)
- 4** VIDEO IN/2CH AUDIO IN (Left/Right)  
Connect the audio/video output of an external source.
- 5** AC IN connector  
Connect the supplied power cord.
- 6** ANTENNA OUT (TO TV)
- 7** VIDEO OUT
- 8** 2CH AUDIO OUT (Left/Right)

## Connections to Your TV

### Antenna connection to your TV and this unit

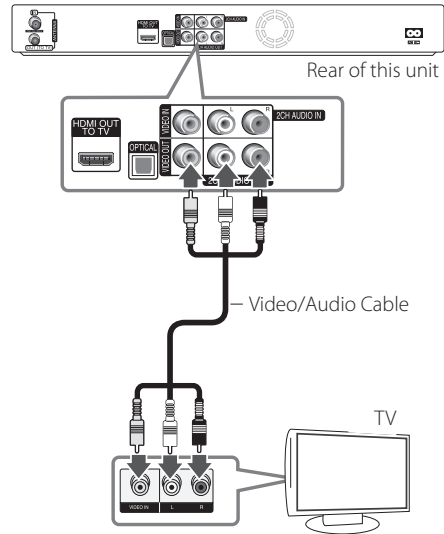
Connect one end of the RF cable to ANTENNA OUT( TO TV) jack on the unit and other end to ANTENNA IN jack on your TV. Passes the signal from the ANTENNA IN jack to your TV/monitor.

Connect the 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, 100 mA and set [Antenna 5V] to [ON] in the setup menu.



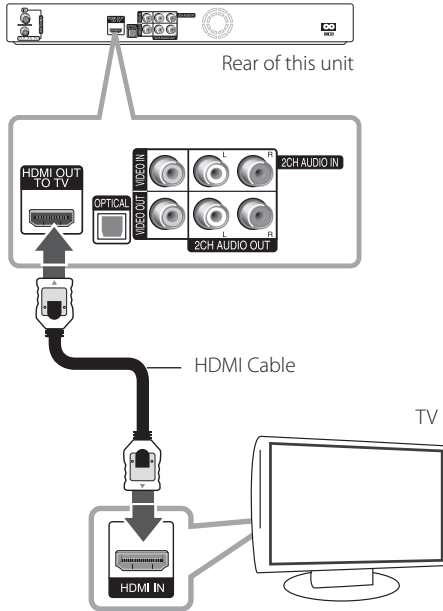
### Video/Audio (Left/Right) Connection

Connect the VIDEO OUT jack on the unit to the video in jack on the TV using the video cable supplied. Connect the Left and Right AUDIO OUT jacks on the unit to the audio left/right in jacks on the TV using the supplied audio cables.



## 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.

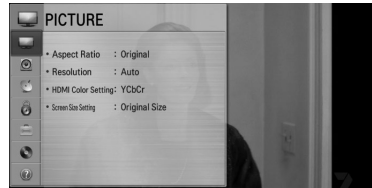


Set the TV's source to HDMI (refer to TV's Owner's manual).

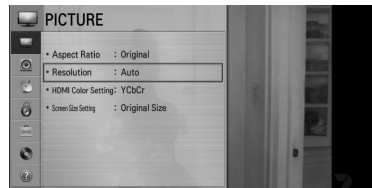
## Resolution Setting

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

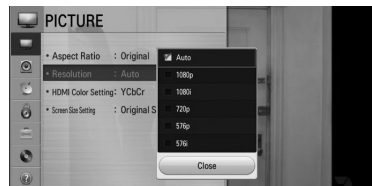
1. Press HOME (🏠).
2. Use ◀/▶ to select the [Setting] and press ENTER (⊙). The [Setting] menu appears.



3. Use ▲/▼ to select [PICTURE] option then press ▶ or ENTER (⊙) to move to the second level.



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



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

### ! Note

If your TV is NTSC SYSTEM, resolution can be set only for AUTO mode.



## Home Menu Overview

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

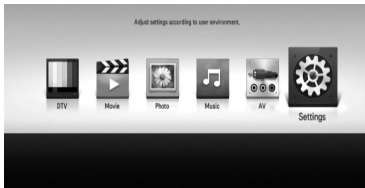
### Basic button operations

HOME (🏠): Accesses or removes the Home Menu.

▲/▼/◀/▶: Used to navigate on-screen displays.

ENTER (⊙): Acknowledges menu selection.

BACK (⏪): Exits the menu.



[DTV] - You can watch digital broadcasts.

[Movie] - Plays video contents.

[Photo] - Plays photo contents.

[Music] - Plays audio contents.

[AV] - You can watch video from external input mode. When you use the recording mode, you can't enter the AV mode.

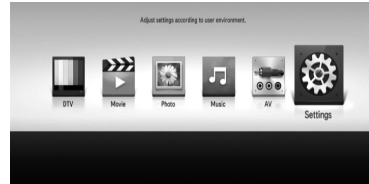
[Setting] - Adjusts the system settings.

## Settings

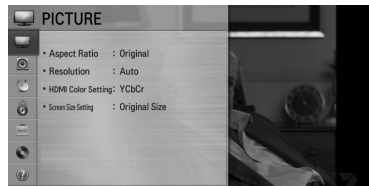
### Adjust the Setup Settings

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

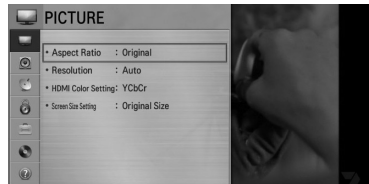
1. Press HOME (🏠).



2. Use ◀/▶ to select [Setting] and press ENTER (⊙). The [PICTURE] menu appears.



3. Use ▲/▼ to select the first setup option, and press ENTER (⊙) to move to the second level.



4. Use ▲/▼ to select a second setup option, and press ENTER (⊙) to move to the third level.



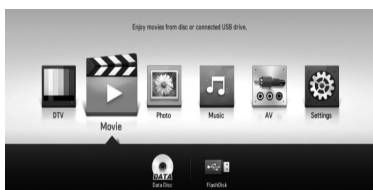
5. Use ▲/▼ to select a desired setting, and press ENTER (⊙) to confirm your selection.

## General Playback

### Playing a disc

**DVD** **AVCHD** **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, DVD, AVCHD and DVD-ROM discs, playback starts automatically.
3. Press HOME (**🏠**).
4. Select [Movie], [Photo] or [Music] using **◀/▶**, and press ENTER (**⊙**).



5. Select the disc icon using **◀/▶**, and press ENTER (**⊙**).

#### **!** 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.

### To stop playback

Press **■** (STOP) during playback.

### To pause playback

Press **⏸** (PAUSE) during playback.  
Press **▶** (PLAY) to resume 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 **▶▶** to play at slow motion.

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

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.

In case of movie file, press **⏮** one time. You can play previous file.



## Playing a file on Linked Devices

This unit can play video, audio and photo files contained in the USB device.

1. Insert a USB device into the USB port until it fits into place.
2. Press HOME (🏠).
3. Select [Movie], [Photo] or [Music] using ◀/▶, and press ENTER (⊙).



4. Select the [USB] (USB) option using ▲/▼/◀/▶, and press ENTER (⊙).



5. Select a file using ▲/▼/◀/▶, and press ▶ (PLAY) or ENTER (⊙) to play the file.



6. Withdraw the USB device carefully after exiting the USB mode.

## To control movie playback

You can control playback and set options while watching videos.

During playback, press INFO/MENU (ℹ).



- 1 Progress bar - Selects the desired point and plays.
- 2 Playback control - Refer to the basic operation for video.
- 3 Option - Sets options for the Screen Size or video play.
- 4 List - Stops playback and returns to the list.

## To control photo view

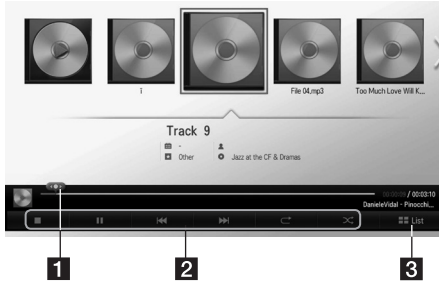
Controls playback and sets options while viewing pictures in full screen.



- 1 Slideshow - Displays photos as a slideshow.
- 2 BGM - Plays background music.
- 3
  - Rotation - Rotates the picture.
  - Enlargement - Enlarges the picture.
- 4 Option - Sets options for viewing photo.
- 5 List - Stops playback and returns to the list.

## To control music playback

Controls play and sets options while listening to a music.



- 1** Progress bar - Selects the desired point and plays.
- 2** Playback control - Refer to the basic operation for audio and advanced playback.
- 3** [List] - Returns to the list.

### ! Note

When you move the progress bar to desired point during playback, some files may not be moved to exact point or play next file back.

## Basic operations for video and audio content

### To stop playback

Press **■** (STOP) or while playback.

### To pause playback

Press **⏸** (PAUSE) button on the remote control or **⏸** (PAUSE) on the screen while playback.

Press **▶** (PLAY) button on the remote control or **▶** (PLAY) icon on the screen to resume playback.

### To resume playback

#### (Movie files)

The unit records the point where you stopped during playback. When you play the file again on the list, the option will be appeared on the file.

To resume the playback, Select [YES] and press ENTER (⊙).

## To scan forward or backward

#### (Movie files)

Press **⏮** or **⏭** to play fast forward or fast reverse during playback.

You can change the various playback speeds by pressing **⏮** or **⏭** repeatedly.

## To skip to the next/previous file

#### (Movie/Music files)

During playback, press **⏪** or **⏩** to go to the next file or to step back to the previous file.

## Basic operations for photo content

### To play a slide show

Press [Slide Show **▶**] on the Photo view screen.

### To stop a slide show

Press [Slide Show **■**] on the Photo view screen.

## To skip to the next/previous photo


While viewing a photo in full screen, press **◀** or **▶** on the remote control to go to the previous or next photo.

## On-Screen display

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


### Displaying content information on-screen

**DVD** **AVCHD**

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

2. Select an option using ▲/▼.
3. Use ◀/▶ to adjust the selected option value.
4. Press BACK (  ) to exit the On-Screen display.

#### Note

- If no button is pressed for a few seconds, the on-screen display disappears.
- A title number cannot be selected on some discs.
- Available items may differ depending on discs or titles.

## Using the Recording title Copy

You can copy recording title from to the other storage device.

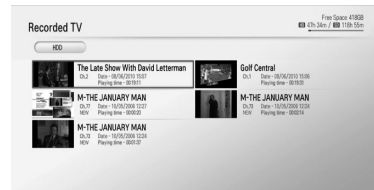
### Preparations:

- Insert a blank DVD disc in the DVD deck and close the disc tray.
- Insert an external HDD to the USB port until it fits into place.

1. Press HOME (  ).






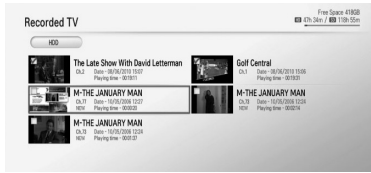
2. Use ▲/▼/◀/▶ to select [Recorded TV] or Disc icon, on the HOME menu and press ENTER (  ).



3. Press green ( **G** ) colored button to display the [Linked Device List] menu.  
If you want to copy the recorded title on disc, internal HDD or external HDD, please select the desired device.



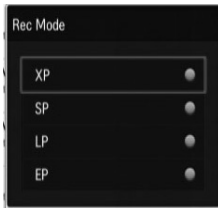
4. Use ▲/▼ to select a storage device you want to copy, and press ENTER (  ).
5. Press blue ( **B** ) colored button.
6. Use ▲/▼/◀/▶ to select a recording title then press ENTER (  ). (shows  icon)



7. Press green (G) colored button to display the [Device Selection] menu.
8. Use ▲/▼ to select [DISC], [HDD] or [USB] and press ENTER (⊙) for target device.

**9. (Disc only)**

Use ▲/▼ to select a desired Rec Mode Set [XP, SP, LP or EP] and press ENTER (⊙).



There are four preset copying quality modes:

---

**[XP]** – Highest quality setting, gives about 1 hour of recording time on a DVD (4.7 GB).

---

**[SP]** – Default quality, sufficient for many applications, gives about 2 hours of recording time on a DVD (4.7 GB).

---

**[LP]** – Slightly lower video quality, gives about 3 hours of recording time on a DVD disc (4.7 GB).

---

**[EP]** – Low video quality, gives about 4 hours of recording time on a DVD (4.7 GB).

10. Use ◀/▶ to select [Yes], and press ENTER (⊙) to start copying.

**11. (Disc only)**



It starts to copy to DVD after preparing video.



After completing copy to DVD, you can see the copy list.

12. Press BACK (⏪) to exit the copy list.

**Note**

- Copying speed may vary depending on the file size, number of files.
- It is unable to do copy during the recording.
- If a reserved recording is started during taking a copy, the recording is discontinued then a notification pops up.
- The name of copied files can be different from that of original files.
- It might not be copied if it is copy-protected contents.
- Successful copying contents also depend on disc's capability.
- Not supported resolution on the setting menu turns disabled.
- If you use the disc copy during timeshift, the timeshift is terminated automatically.
- If there is not enough disc space, the recording may not be run totally.
- If you want disc copy, use only the disc which is formatted on this unit.
- The external USB HDD for record has to be formatted in NTFS.
- With the purpose of the title backup, the copy not like recording, can deal with maximum 2000 titles.
- Disc rewritten on other recorder or personal computer may not recognized (played) on this unit.
- Disc copied on this unit may not recognized (played) on other player or recorder.
- If you unplug the USB memory during disc copy, Emergency may stop.
- Red indicates that the recording will not be done to end of the selected titles. If you uncheck the title you've checked before, the Red changes to Green. you can record the selected titles in Green signal.
- By using VBR (Variable Bitrate) Encoding mode, the actual recording time may vary compared to displayed recording time.
- If you want to copy recordings less than 15 seconds, it may not be recorded in the DISC.

# Troubleshooting

## General

Symptom	Cause & Solution
The Power does not turn on.	<ul style="list-style-type: none"> <li>Plug the power cord into the wall outlet securely.</li> </ul>
The unit does not start playback.	<ul style="list-style-type: none"> <li>Insert a playable disc. (Check the disc type, color system, and regional code.)</li> <li>Place the disc with the playback side down.</li> <li>Place the disc on the disc tray correctly inside the guide.</li> <li>Clean the disc.</li> <li>Cancel the Rating function or change the rating level.</li> </ul>
The angle cannot be changed.	<ul style="list-style-type: none"> <li>Multi-angles are not recorded on the DVD Video being played.</li> <li>The angle cannot be changed for the titles recorded on this unit.</li> </ul>
The channel is not found or stored.	<ul style="list-style-type: none"> <li>Check your antenna connection.</li> </ul>
The remote control does not work properly.	<ul style="list-style-type: none"> <li>The remote control is not pointed at the remote sensor of the unit.</li> <li>The remote control is too far from the unit.</li> <li>There is an obstacle in the path between the remote control and the unit.</li> <li>The battery in the remote control are exhausted.</li> <li>The remote's manufacturer code returned to the default setting when you replaced the battery. Reset the code.</li> </ul>

4

Troubleshooting

## Resetting the unit

Symptom	Cause & Solution
If you observe any of the following symptoms.	<ul style="list-style-type: none"> <li>The unit is plugged in, but the power will not turn on or off.</li> <li>The front panel display is not working.</li> <li>The unit is not operating normally.</li> </ul>
You can reset the unit as follows.	<ul style="list-style-type: none"> <li>Press and hold the POWER (⏻) button for at least five seconds. This will force the unit to power off then turn the unit back on.</li> <li>Unplug the power cord, wait at least five seconds, and then plug it in again.</li> </ul>

## Playback

Symptom	Cause & Solution
Cannot play a disc recorded using this unit on other unit.	<ul style="list-style-type: none"> <li>Finalize the disc.</li> <li>Check the disc compatibility of the unit.</li> <li>Place the disc on the disc tray correctly inside the guide.</li> <li>Discs recorded with copy-once material cannot be played on other players.</li> </ul>
The subtitle language cannot be changed or turned off.	<ul style="list-style-type: none"> <li>Subtitles are not recorded on the DVD Video being played.</li> <li>The subtitle cannot be changed for the titles recorded on this unit.</li> <li>In case of Movie, refer to subtitle formats.</li> </ul>
Cannot play Movie/Photo/Music files.	<ul style="list-style-type: none"> <li>Check the Audio/Video format.</li> <li>Check the sampling frequency or bitrate.</li> </ul>

## Recording

Symptom	Cause & Solution
Cannot record or does not record successfully.	<ul style="list-style-type: none"> <li>Check the remaining space on the HDD.</li> <li>If your source is copy-protected, you cannot record it using this recorder.</li> </ul>
Timer record does not record successfully.	<ul style="list-style-type: none"> <li>Clock is not set to correct time.</li> <li>The start time of the timer recording is past.</li> <li>When setting the recording programme, make sure you set the recorder's built-in tuner, not the TV's built-in tuner.</li> <li>If the HDD is damaged, the recording may not complete successfully.</li> <li>If you set two timer recordings at the same time, one of that proceeds after another does. Second Timer recording may proceed in a minute.</li> </ul>
You cannot enter a timer programme when.	<ul style="list-style-type: none"> <li>In the case that two channels is recording.</li> <li>The time you're trying to set has already passed.</li> <li>There are already 30 timer programs set.</li> </ul>
If two or more timer programs overlap.	<ul style="list-style-type: none"> <li>The earlier programme takes priority.</li> <li>In the case a reserved recording is started during recording two channels and a user uses another menu, the reserved recording cannot be operated.</li> </ul>

## HDMI

Symptom	Cause & Solution
The connected HDMI device does not display any picture.	<ul style="list-style-type: none"> <li>• Try disconnecting then reconnecting the HDMI cable.</li> <li>• Try switching the power of the HDMI device off then back on.</li> <li>• The video input of the connected device is set correctly for this unit.</li> <li>• The HDMI cable you are using is fully HDMI-compliant. Using a non-standard cable may result in no picture being output.</li> <li>• Not all HDCP-compatible DVI devices will work with this unit.</li> </ul>
The connected HDMI device does not output sound.	<ul style="list-style-type: none"> <li>• Some HDMI-compatible devices do not output sounds (check the manual that came with the connected device).</li> <li>• If your TV is not capable of handling 96 kHz sampling frequency, set the [Sampling Freq.] option to [48 kHz] on the setup menu. When this choice is made, this unit will automatically convert any 96 kHz signals to 48 kHz so your system can decode them.</li> <li>• If your TV is not equipped with Dolby Digital and MPEG decoder, set the [Dolby Digital] and [MPEG] options to [PCM] on the setup menu.</li> </ul>

4

Troubleshooting

### 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

To obtain the corresponding source code under GPL, LGPL and other open source licenses, please visit <http://opensource.lge.com>. All referred license terms, warranty disclaimers and copyright notices are available to download with the source code.



## Trademarks and Licenses



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



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks of HDMI Licensing LLC in the United States other countries.



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



DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries, and are used under license.

## About the internal hard disk drive

The internal hard disk drive (HDD) is a fragile piece of equipment. Please use the unit following the guidelines below to protect against possible HDD failure.

- Do not move the unit while it is on.
- Install and use a unit on a stable, levelled surface.
- Do not use the player in excessively hot or humid places, or in places that may be subject to sudden changes in temperature. Sudden changes in temperature can cause condensation to form inside the player. This can be a cause of HDD failure.
- While the unit is powered on, do not unplug from the wall socket or switch the electricity off from the breaker switch.
- Do not move the player immediately after switching it off. If you need to move the player, please follow the steps below:
  1. After the message "OFF" is shown in the display, wait at least two minutes.
  2. Unplug from the wall socket.
  3. Move the player.
- If there's a power failure while the player is on, there is a chance that some data on the HDD will be lost.
- The HDD is very delicate. If used improperly or in an unsuitable environment, it is possible that the HDD will fail after a few years of use. Signs of problems include playback unexpectedly freezing and noticeable block noise (mosaic) in the picture.
- However, sometimes there will be no warning signs of HDD failure.
- If the HDD fails, playback of content will not be possible. In this case, contact the LG service center by following methods.
 


Web: <http://www.lg.com>
- The manufacturer disclaims responsibility for loss of data contained in internal HDD.
- There are some capacities in HDD reserved for the file system and timeshift.

## Specifications

General	
Power requirements	AC 200-240 V, 50/60 Hz
Power consumption	50 W
Dimensions (W x H x D)	Approx. 430 x 55.5 x 270 mm without foot
Net Weight (Approx.)	3.46 kg
Operating temperature	5 °C to 35 °C
Operating humidity	5 % to 90 %
Television system:	DVB-T Standard Compliant

TV Recording	
Recording format	TS (Transport Stream format)
Recordable media	Hard Disk Drive (500 GB/320 GB/250 GB/160 GB), USB 2.0 HDD

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
VIDEO IN / OUT	1.0 Vp-p 75 ohms, sync negative, RCA jack x 1
AUDIO IN / OUT	2.0 Vrms more than 47 kohms, RCA jack (L, R) x 1
USB Port	4 pin (USB 2.0 standard) x 1

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
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.