

DV298H-NH.HA1ULLB

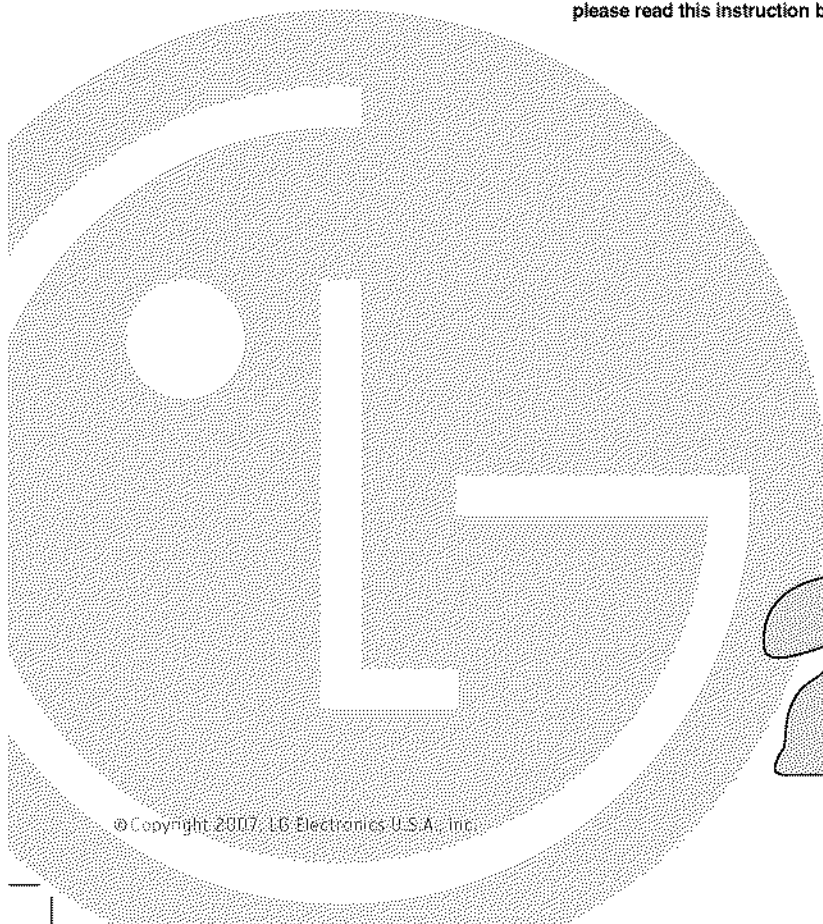


DVD PLAYER OWNER'S MANUAL

MODEL: DN798



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



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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.

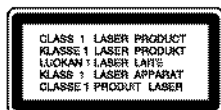
WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: Do not install this equipment in a confined space such as a bookcase 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 should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction have 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. Should 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 should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.

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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment 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.

CAUTION concerning the Power Cord

Most devices should be placed on a dedicated circuit;

That is, a single outlet circuit which powers only that electronic device 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 servicer.

Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

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

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS IN THIS OWNER'S MANUAL, AND THOSE MARKED ON THE PRODUCT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This product has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this product will protect you if you observe the following procedures for installation, use, and servicing.

This product does not contain any parts that can be repaired by the user.

DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1. **Read these instructions.** - All these safety and operating instructions should be read before the product is operated.
2. **Keep these instructions.** - The safety, operating and use instructions should be retained for future reference.
3. **Heed all warnings.** - All warnings on the product and in the operating instructions should be adhered to.
4. **Follow all instructions.** - All operating and use instructions should be followed.
5. **Do not use this apparatus near water.** - For example: near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement; or near a swimming pool; and other areas located near water.
6. **Clean only with dry cloth.** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners.
7. **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 should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
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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Introduction

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

This manual provides information on the operation and maintenance of your DVD 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 Disc.

Symbol 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 is applicable only to the disc represented by the symbol.

-  All discs and file listed below
-  DVD and finalized DVD±R/RW
-  Audio CDs
-  MP3 files
-  WMA files

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, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

Types of Playable Discs

	DVD (8 cm / 12 cm disc)
	Audio CD (8 cm / 12 cm disc)

In addition, this unit plays DVD±R/RW and CD-R/RW, Dual disc, USB Flash Drive that contains audio titles, MP3, WMA, and/or JPEG files.



This indicates a product feature that is capable of playing DVD-RW discs recorded with Video Recording format.

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 may not be played on the unit.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal) since they may result in malfunctions.
- This DVD 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 (see above) 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.

Regional Code

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

Notes on Regional Codes

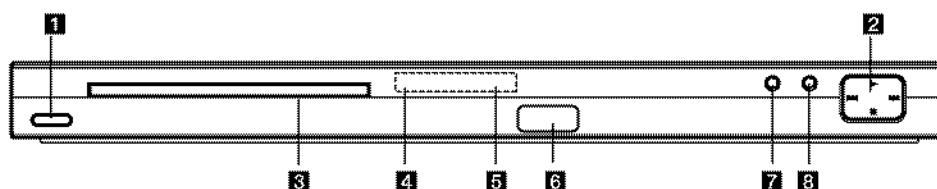
- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your unit's regional code or the disc cannot play.
- If you try to play a DVD with a different regional code from your player, the message "Check Regional Code" appears on the TV screen.

Notes on Copyrights:

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission. This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs picture noise will appear. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. The 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.

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 525 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 525p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.

Front Panel



1 POWER

Switches the unit ON or OFF.

2 • ► (PLAY)

Starts playback.

• ■ (STOP)

Stops playback.

• ◀◀ (SKIP)

Returns to the beginning of current chapter or track or go to the previous chapter or track.

• ▶▶ (SKIP)

Go to the next chapter or track.

3 Disc Tray

Insert a disc here.

4 Display window

Shows the current status of the unit.

5 Remote Sensor

Point the Remote Control here.

6 USB

Connect an USB Flash Drive.

7 ▲ (OPEN / CLOSE)

Opens or closes the disc tray.

8 RES.

Sets the output resolution for HDMI and COMPONENT OUTPUT jacks.

Remote Control

POWER (⏻)

Switches DVD Player ON and OFF.

OPEN/CLOSE (⏮)

Opens and closes the disc tray.

0-9 numerical buttons

Selects numbered items in a menu.

CLEAR

Removes a track number on the Program List or a mark on the Marker Search menu.

TV Control Buttons

POWER: Turns the TV on or off.

AV: Selects the TV's source.

PR/CH +/-: Selects TV's channel.

VOL +/-: Adjusts TV's volume.

DVD MENU

Accesses menu on a DVD disc.

TITLE

Displays title menu, if available.

◀ / ▶ / ▲ / ▼ (left/right/up/down)

Selects an item in the menu.

ENTER (⏻)

Confirms menu selection.

DISPLAY

Accesses On-Screen Display.

RETURN (↩)

Hide the help menu while watching a JPEG file.

AUDIO (🔊)

Selects an audio language or an audio channel.

SUBTITLE (📄)

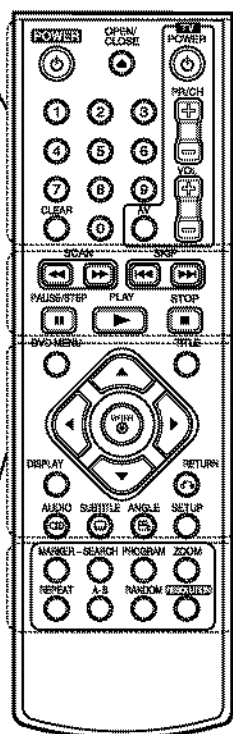
Selects a subtitle language.

ANGLE (📷)

Selects a DVD camera angle, if available.

SETUP

Accesses or removes the Setup menu.



SCAN (◀◀ / ▶▶)

Search backward or forward.

SKIP (◀◀ / ▶▶)

Go to next chapter or track. Returns to the beginning of current chapter or track or go to the previous chapter or track.

PAUSE/STEP (⏮)

Pauses playback temporarily/ press repeatedly for frame-by-frame playback.

PLAY (▶)

Starts playback.

STOP (■)

Stops playback.

MARKER

Marks any point during playback.

SEARCH

Displays MARKER SEARCH menu.

PROGRAM

Enter the program edit mode.

ZOOM

Enlarges video image.

REPEAT

Repeat chapter, track, title, all.

A-B

Repeat sequence from point A to point B.

RANDOM

Plays tracks in random order.

RESOLUTION

Sets the output resolution for HDMI and COMPONENT OUTPUT jacks.

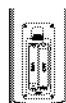
Remote Control Operation

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

Caution:

Do not mix old and new batteries and never mix different types of batteries such as standard, alkaline, etc.

Remote Control Battery Installation



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

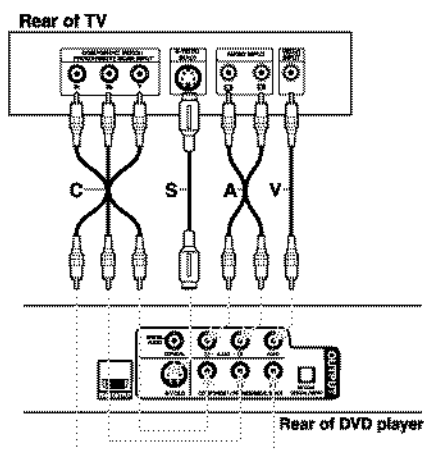
Installation and Setup

Setting up the Player

The picture and sound of a nearby TV, VCR, or radio may be distorted during playback. If this occurs, position the player away from the TV, VCR, or radio, or turn off the unit after removing the disc.

DVD Player Connections

Depending on your TV and other equipment there are various ways you can connect the player. Please refer to the manuals of your TV, stereo system or other devices as necessary for additional connection information.



Video and Audio Connections to Your TV

Make sure the unit is connected directly to the TV and not to a VCR, otherwise the DVD image could be distorted by the copy protection system.

S-Video – Connect the S-VIDEO OUT jack on the unit to the S-Video in jack on the TV using the S-Video cable (S).

Video – Connect the VIDEO OUT jack on the unit to the video in jack on the TV using the video cable (V).

Audio – Connect the left and right AUDIO OUT jacks of the unit to the audio left and right IN jacks on the TV using the audio cables (A). Do not connect the unit AUDIO OUT jack to the phone in jack (record deck) of your audio system.

Component Video – Connect the COMPONENT / PROGRESSIVE SCAN jacks on the unit to the corresponding jacks on the TV using an Y PB PR cable (C).

Resolution setting

1. Press RESOLUTION once. The current resolution setting will appear on the display window.
2. Press RESOLUTION repeatedly to change the resolution you want.

The available resolution according to the connections are as shown below.

OUTPUT CONNECTION	Available Resolution
HDMI VIDEO OUT	1920 x 1080p 1920 x 1080i 1280 x 720p 720 x 480p 720 x 480i
COMPONENT VIDEO OUT	1920 x 1080p 1920 x 1080i 1280 x 720p 720 x 480p 720 x 480i
VIDEO OUT	720 x 480i
S-VIDEO	720 x 480i

Notes:

- The resolution of the VIDEO and S-VIDEO OUTPUT is fixed to 480i.
- If your TV does not accept your resolution setting, abnormal picture appears on the screen. Please read TV's owner's manual then set the resolution that your TV can accept.
- For 720p, 1080i and 1080p resolution on the component video out, only non-copy protected discs can be played back. If the disc is copy protected, it will be displayed at the 480p resolution.
- Depending on your TV, certain HDMI output resolutions may not work.
- Only resolutions supported by the TV are available.

Progressive Scan

- If your television is a high-definition or "digital ready" television, you may take advantage of the unit progressive scan output for the highest possible video resolution.
- Progressive scan does not work with the analog video connections (yellow VIDEO OUT and S-Video jack).
- The 1080p, 720p and 480p resolutions are the progressive scan applied resolution.

Note for 1080p resolution

This unit is able to provide a 1080p full HD image to most 1080p-capable TVs in the market today. However, there are some 1080p TVs available from certain companies that are limited in the types of 1080p images that can be accepted. Specifically, 1080p-capable TVs that don't accept images in 60Hz can't display an image from this unit.

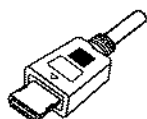
HDMI connection

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

1. Connect the HDMI OUTPUT jack on the unit to the HDMI INPUT jack on a HDMI compatible TV or monitor (H).
2. Set the TV's source to HDMI (refer to TV's Owner's manual).

Notes:

- If your TV is NOT capable of handling 96 kHz sampling frequency, set the [Sampling Freq.] option to [48 kHz] on the setup menu (See page 13). When this choice is made, this unit will automatically convert any 96 kHz signals to 48 kHz so your system can decode them.
- 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 (See page 13).
- If your TV is not equipped with DTS decoder, set the [DTS] options to [Off] on the setup menu (See page 13). To enjoy DTS multi channel surround, you must connect this unit to a DTS compatible receiver via one of this unit's digital audio outputs.
- The arrow on the cable connector body should face up for correct alignment with the connector on the unit.



- If there is noise or lines on the screen, please check the HDMI cable.
- Not all HDCP-compatible

Tip:

When you use HDMI connection, you can change the resolution (480i, 480p, 720p, 1080i or 1080p) for the HDMI output using RES. button on the front panel.

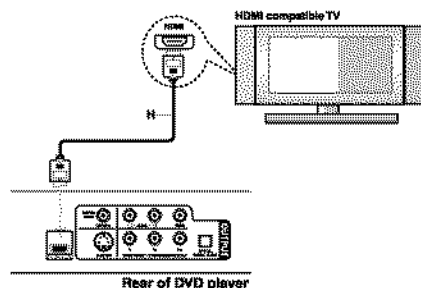
Caution:

- Changing the resolution when the unit is connected with HDMI connector may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.
- If your TV does not accept your resolution setting, abnormal picture appears on the screen. Please read TV's owner's manual then set the resolution that your TV can accept.

About HDMI

HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD Players, Set-Top Boxes, and other AV devices.

HDMI was developed to provide the technologies of HDCP (High-bandwidth Digital Content Protection). HDCP is used to protect digital content transmitted and received.



HDMI has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio. HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second, one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.

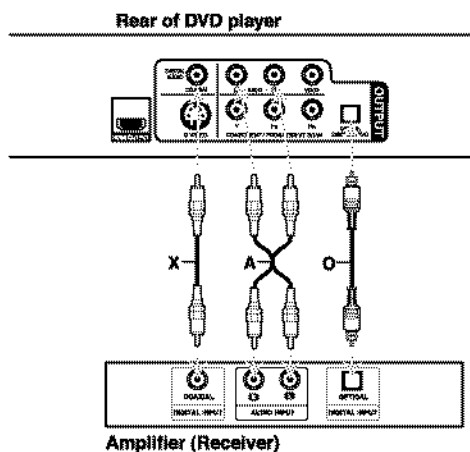
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

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 unit. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this unit.
 - The connected device's video input is set correctly for this unit.
 - The connected device is compatible with 720(1440)x480i, 720x480p, 1280x720p, 1920x1080i, or 1920x1080p video input.
- Not all HDCP-compatible DVI devices will work with this unit.
- It's impossible copy protected-DVD title's playback in non-HDCP devices.
- For best performance, directly connect the HDMI output to an HDMI input on your TV. If connecting to some device other than a TV or monitor, such as a home theater receiver with an HDMI input, check the following to make sure the HDMI signal will be received correctly:
 - Check the operating instructions of the connected device to make sure that the HDMI input of the device complies with HDMI-HDCP specifications.
 - Check that the HDMI setup menu of any non-display device is set to "pass-through" so that HDMI signals received are not changed in any way (such as changing the video or audio format).

Audio Connection to Optional Equipment

Connect the unit to your optional equipment for audio output.



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

DTS and DTS Digital Out are trademarks of Digital Theater Systems, Inc.

Amplifier equipped with 2-channel analog stereo or Dolby Pro Logic II / Pro Logic: Connect the left and right AUDIO OUT jacks on the unit to the audio left and right IN jacks on your amplifier, receiver, or stereo system, using the audio cables (A).

Amplifier equipped with 2-channel digital stereo (PCM) or audio / video receiver equipped with a multi-channel decoder (Dolby Digital™, MPEG 2, or DTS):

Connect one of the unit DIGITAL AUDIO OUT jacks (OPTICAL O or COAXIAL X) to the corresponding jack on your amplifier. Use an optional digital (OPTICAL O or COAXIAL X) audio cable.

Digital Multi-channel sound

A digital multi-channel connection provides the best sound quality. For this you need a multi-channel audio / video receiver that supports one or more of the audio formats supported by your unit such as MPEG 2, Dolby Digital and DTS. Check the receiver manual and the logos on the front of the receiver.

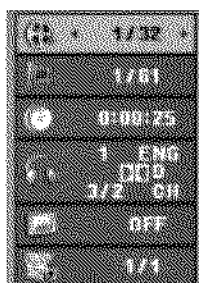
Notes:

- If the audio format of the digital output does not match the capabilities of your receiver, the receiver produces a strong, distorted sound or no sound at all.
- Six Channel Digital Surround Sound via a digital connection can only be obtained if your receiver is equipped with a Digital Multi-channel decoder.

Displaying Disc Information On-Screen

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

1. Press DISPLAY to show various playback information.
The displayed items differ depending on the disc type or playing status.



2. You can select an item by pressing ▲ / ▼ and change or select the setting by pressing ◀ / ▶.
 - Title – Current title, number/total number of titles.
 - Chapter – Current chapter number/total number of chapters.
 - Time – Elapsed playing time.
 - Audio – Selected audio language or channel.
 - Subtitle – Selected subtitle.
 - Angle – Selected angle/total number of angles.

Note:

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

Initial Settings

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see pages 13 to 14.

To display and exit the Menu:

Press SETUP to display the menu. A second press of SETUP will take you back to initial screen.

To go to the next level:

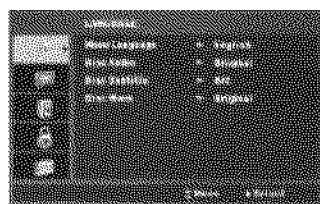
Press ▶ on the Remote Control.

To go back to the previous level:

Press ◀ on the Remote Control.

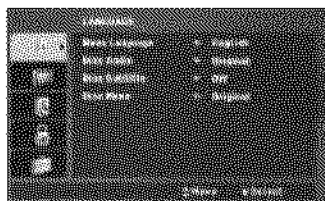
General Operation

1. Press SETUP.
The Setup menu appears.



2. Use ▲ / ▼ to select the desired option then press ▶ to move to the second level. The screen shows the current setting for the selected item, as well as alternate setting(s).
3. Use ▲ / ▼ to select the second desired option and then press ▶ to move to the third level.
4. Use ▲ / ▼ to select the desired setting then press ENTER to confirm your selection.
Some items require additional steps.
5. Press SETUP or PLAY (▶) to exit the Setup menu.

LANGUAGE



Menu Language

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

Disc Audio / Subtitle / Menu

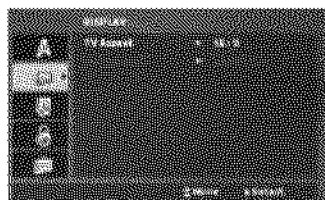
Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu.

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

Other – To select another language, press numeric buttons and then ENTER to enter the corresponding 4-digit number according to the language code list on the page 21. If you enter the wrong language code, press CLEAR.

Off (for Disc Subtitle) – Turn off Subtitle.

DISPLAY



TV Aspect

4:3 – Select when a standard 4:3 TV is connected.

16:9 – Select when a 16:9 wide TV is connected.

Notes

If the TV Aspect option is set to 16:9, the Display Mode setting is automatically set to Widescreen.

Display Mode

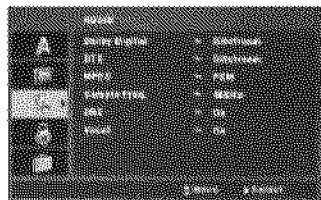
The Display Mode setting works only when the TV Aspect mode is set to 4:3.

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

Panscan – Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.

AUDIO

Each DVD disc has a variety of audio output options. Set the player's AUDIO options according to the type of audio system you use.



Dolby Digital / DTS / MPEG

Bitstream – Select "Bitstream" if you connect this unit's DIGITAL OUT jack to an amplifier or other equipment with a Dolby Digital, DTS or MPEG decoder.

PCM (for Dolby Digital / MPEG) – Select when connected to a two-channel digital stereo amplifier. DVDs encoded in Dolby Digital, MPEG will be automatically downmixed to two-channel PCM audio.

Off (for DTS) – If you select "Off", the DTS signal is not output through the DIGITAL OUT jack.

Sample Freq. (Frequency)

If your receiver or amplifier is NOT capable of handling 96 kHz signals, select 48 kHz. When this choice is made, this unit automatically converts any 96 kHz signals to 48 kHz so your system can decode them.

If your receiver or amplifier is capable of handling 96 kHz signals, select 96 kHz.

Check the documentation for your amplifier to verify its capabilities.

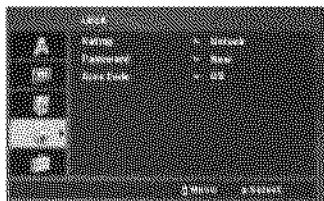
DRC (Dynamic Range Control)

With the DVD format, you can hear a program's soundtrack in the most accurate and realistic presentation. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). This allows you to listen to a movie at a lower volume without losing clarity of sound. Set DRC to On for this effect.

Vocal

Set to On only when a multi-channel karaoke DVD is playing. The karaoke channels on the disc mix into normal stereo sound.

LOCK (Parental Control)



Rating

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

1. Select "Rating" on the LOCK menu then press ►.
2. To access the LOCK options, you must input the password you have created. If you have not yet entered password, you are prompted to do so. Input a password and press ENTER. Enter it again and press ENTER to verify. If you make a mistake before pressing ENTER, press CLEAR.
3. Select a rating from 1 to 8 using the ▲ / ▼ buttons.

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

Unlock

If you select unlock, parental control is not active and the disc plays in full.

4. Press ENTER to confirm your rating selection, then press SETUP to exit the menu.

Password

You can enter or change password.

1. Select Password on the LOCK menu and then press ►.
2. **To make a new password:**
Press ENTER when the "New" option is highlighted. Enter a new password using the numerical buttons then press ENTER. Enter the password again to verify.
To change the password:
Press ENTER when the "Change" option is highlighted. Enter a current password using the numbered buttons then press ENTER. Enter a new password using the numbered buttons then press ENTER. Enter the password again to verify.
3. Press SETUP to exit the menu.

If you forget your password

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

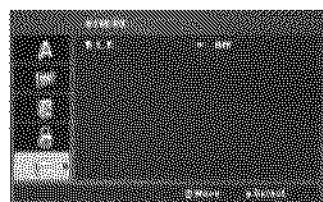
1. Press SETUP to display the Setup menu.
2. Input the 6-digit number "210499" and the password is cleared.

Area Code

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list on page 21.

1. Select "Area Code" on the LOCK menu then press ►.
2. Follow the step 2 as shown left (Rating).
3. Select the first character using ▲ / ▼ buttons.
4. Press ENTER and select the second character using ▲ / ▼ buttons.
5. Press ENTER to confirm your Area code selection.

OTHERS



B.L.E. (Black Level Expansion)

To select the black level of playback pictures. Set your preference and monitor's ability.

On: Expanded grey scale. (0 IRE cut off)

Off: Standard grey scale. (7.5 IRE cut off)

Operations

General Features

Buttons	Operations	Discs
OPEN/CLOSE (▲)	Opens or closes the disc tray.	ALL
PAUSE/STEP (⏸)	During playback, press PAUSE/STEP (⏸) to pause playback. Press PAUSE/STEP (⏸) repeatedly to play Frame-by-Frame.	ALL DVD
SKIP (⏮ / ⏭)	During playback, press SKIP (⏮ or ⏭) to go to the next chapter/track or to return to the beginning of the current chapter/track. Press SKIP (⏮) twice briefly to step back to the previous chapter/track.	ALL
SCAN (⏮ / ⏭)	During playback, press SCAN (⏮ or ⏭) repeatedly to select the required scan speed. DVD disc; 4 steps Audio CD, MP3/WMA discs; 3 steps While the playback is paused, press SCAN (⏭) repeatedly to play in slow motion (4 steps).	DVD ACD MP3 WMA DVD
REPEAT	During playback, press REPEAT repeatedly to select a desired repeat mode. DVD Video discs: Chapter/Title/Off Audio CD, MP3/WMA discs: Track/All/Off	ALL
A-B	Press the A-B button one at a time to select a point A and point B and repeats a sequence from point A (Starting point) to point B (End point). Press A-B again to cancel.	DVD ACD
ZOOM	During playback or pause mode, press ZOOM to enlarge the video image (3 steps). You can move through the zoomed picture using ◀ / ▶ / ▲ / ▼ buttons. Press CLEAR to exit.	DVD
RANDOM	During playback or in stop mode, press RANDOM for random playback.	ACD MP3 WMA
TITLE	If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may appear.	DVD
DVD MENU	The disc menu appears on the screen.	DVD
ANGLE (📷)	During playback of DVD disc that contains scenes recorded at different camera angles, press ANGLE (📷) repeatedly to select a desired angle.	DVD
SUBTITLE (🗣)	During playback, press SUBTITLE (🗣) repeatedly to select a desired subtitle language.	DVD
AUDIO (🔊)	During playback, press AUDIO(🔊) repeatedly to hear a different audio language or audio track.	DVD

Notes on general features:

- If you press SKIP (▶▶) once during Repeat Chapter (Track) playback, the repeat playback cancels.
- Zoom may not work on some DVDs.
- When you are playing a DVD disc that contains scenes recorded at different camera angles, the angle indicator will blink on the TV screen during the operations as an indication that angle switching is possible.

Additional Features

Time Search **DVD**

To start playing at any chosen time on the disc:

1. Press DISPLAY during playback.
2. Press ▲ / ▼ to select the time clock icon and "----:" appears.
3. Input the required start time in hours, minutes, and seconds from left to right. If you enter the wrong numbers, press CLEAR to remove the numbers you entered. Then input the correct numbers.
4. Press ENTER to confirm.
Playback starts from the selected time.

Marker Search **DVD**

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

1. During disc playback, press SEARCH. The marker search menu appears on the screen.
2. Within 9 seconds, press ◀ / ▶ to select a marker number that you want to recall or clear.
3. Press ENTER and playback starts from the marked scene. Or, Press CLEAR and the marker number is erased from the list.
4. You can play any marker by inputting its number on the marker search menu.

Last Scene Memory **DVD** **ACD**

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.

Note:

This unit does not memorize the scene of a disc if you switch off the unit before commencing to play the disc.

Screen Saver/Auto Power off

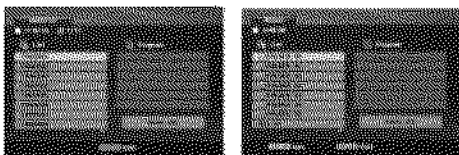
The screen saver appears when you leave the unit in Stop mode for about five minutes. If the Screen Saver is displayed for five minutes, the unit automatically turns itself off.

Playing an Audio CD or MP3/WMA file

This unit can play Audio CDs or MP3/WMA files.

MP3/ WMA/ Audio CD

Once you insert an MP3/WMA files recorded media or Audio CD, a menu appears on the TV screen. Use $\blacktriangle$ / $\blacktriangledown$ to select a track/file and then press PLAY ($\blacktriangleright$) or ENTER and playback starts. You can use variable playback functions. Refer to page 15-16.



ID3 TAG

When playing a file containing information such as track titles, you can see the information by pressing DISPLAY. [Title, Artist, Album, Year, Comment]

Tips:

- Press DVD MENU to move to the next page.
- On a DISC with MP3/WMA and JPEG file, you can switch MUSIC and PHOTO menu. Press TITLE, and MUSIC or PHOTO word on top of the menu is highlighted.

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

- Sampling frequency: within 8 - 48 kHz (MP3), within 22 - 48kHz (WMA)
- Bit rate: within 8 - 320kbps (MP3), 32 - 256 kbps (WMA)
- The player cannot read an MP3/WMA file that has a file extension as non than ".mp3" / ".wma".
- CD-R physical format should be ISO 9660
- If you record MP3 / WMA files using software that cannot create a file system (eg. Direct-CD) it is impossible to playback MP3 / WMA files. We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.
- File names should have a maximum of 8 letters and must incorporate an .mp3 or .wma extension.
- They should not contain special letters such as / ? * : " < > | etc.
- The total number of files in a folder should be less than 650 files.

Programmed Playback

The program function enables you to store your favorite tracks from any disc in the unit memory. A program can contain 30 tracks.

1. Insert an Audio CD or MP3/WMA files recorded media. AUDIO CD or MUSIC menu appears.
2. Press PROGRAM and the $\odot$ mark will appear.

Note:

Press PROGRAM again to exit the program edit mode, then the $\odot$ mark will disappear.

3. Select a track on the "List" and then press ENTER to place the selected track on the "Program" list. Repeat to place additional tracks on the list.
4. Use $\blacktriangleleft$ / $\blacktriangleright$ / $\blacktriangle$ / $\blacktriangledown$ to select the track you want to start playing on the "Program" list.
5. Press PLAY ($\blacktriangleright$) or ENTER to start. Playback begins in the order in which you programmed the tracks. Playback stops after all of the tracks on the "Program" list have played once.
6. To resume normal playback from programmed playback, select a track on the list and then press PLAY ($\blacktriangleright$).

Repeat Programmed Tracks

Press REPEAT to select a desired repeat mode.

- Track: Repeats the current track.
- All: Repeats all the tracks on programmed list.
- Off(No display): Does not play repeatedly.

Note:

If you press SKIP ($\blacktriangleright\blacktriangleright$) once during Repeat Track playback, the repeat playback cancels.

Erasing a Track from Program List

1. Press PROGRAM and the $\odot$ mark will appear
2. Use $\blacktriangleleft$ / $\blacktriangleright$ / $\blacktriangle$ / $\blacktriangledown$ to select the track that you wish to erase from the Program list.
3. Press CLEAR. Repeat step 1-3 to erase additional tracks on the program list.

Erasing the Complete Program List

1. Press PROGRAM and the $\odot$ mark will appear
2. Use $\blacktriangleleft$ / $\blacktriangleright$ / $\blacktriangle$ / $\blacktriangledown$ to select "Clear All" and then press ENTER.

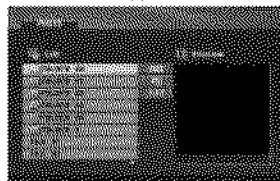
Note:

The programs are also cleared when the power is off or the disc is removed.

Viewing a JPEG file

This unit can play JPEG files.

1. Insert a JPEG files recording media.
The PHOTO menu appears on the TV screen.



2. Press ▲ / ▼ to select a folder, and press ENTER. A list of files in the folder appears.
3. If you want to view a particular file, press ▲ / ▼ to highlight a file and press ENTER or PLAY (▶).
4. To return to the PHOTO menu while watching pictures, press STOP (■).

Tips:

- If you are in a file list and want to return to the previous Folder list, use ▲ / ▼ buttons to highlight and press ENTER.
- Press DVD MENU to move to the next page.
- There are three Slide Speed options : >>> (Fast), >> (Normal) and > (Slow).
Use ◀ / ▶ / ▲ / ▼ to highlight . Then, use ◀ / ▶ to select the option you want to use.
- On a DISC with MP3/WMA and JPEG file, you can switch MUSIC and PHOTO menu. Press TITLE, and MUSIC or PHOTO word on top of the menu is highlighted.
- While watching a picture, press RETURN (↵) to hide the help menu.

Slide Show

Use ◀ / ▶ / ▲ / ▼ to highlight the (Slide Show) then press ENTER.

Still Picture

1. Press PAUSE/STEP (⏸) during slide show.
The player will now go into pause mode.
2. To return to the slide show, press PLAY (▶) or press PAUSE/STEP (⏸) again.

Moving to another File

Press SKIP (⏮ or ⏭) or cursor (◀ or ▶) once during viewing a picture to advance to the next or previous file.

Zoom

During watching pictures, press ZOOM to enlarge the video image (3 steps).

You can move through the zoomed picture using ◀ / ▶ / ▲ / ▼ buttons. Press CLEAR to exit.

Rotating the picture

Press ▲ / ▼ during showing a picture to rotate the picture clockwise or counter clockwise.

Listening to MP3/WMA music while watching picture

1. Insert the disc containing the two types of file in the player.
2. Press TITLE to display the PHOTO menu.
3. Press ▲ / ▼ to select a photo file.
4. Use ▶ to select icon then press ENTER.
Playback starts. The playback will continue until stop is pressed.

Tip:

To listen to only the desired music while watching picture, program the desired files from the "MUSIC" menu and then proceed as above.

JPEG disc compatibility with this player is limited as follows:

- Depending upon the size and the number of JPEG files, it could take a long time for the unit to read the disc's contents. If you do not see an on-screen display after several minutes, some of the files may be too large — reduce the resolution of the JPEG files to less than 5 million pixels and burn another disc.
- The total number of files in a folder should be less than 650 files.
- Some discs may be incompatible due to a different recording format or the condition of disc.
- Ensure that all the selected files have the ".jpg" extensions when copying into the CD layout.
- If the files have ".jpe" or ".jpeg" extensions, please rename them as ".jpg" file.
- File names without ".jpg" extension will not be able to be read by this unit. Even though the files are shown as JPEG image files in Windows Explorer.

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

1. Insert a disc and close the tray. The DVD-VR menu appears on the screen.



2. Press **▲** / **▼** to select a track then press **PLAY** or **ENTER** and playback starts.
3. Press **DVD MENU** to move to the list menu.

Notes:

- This unit will play DVD-R/RW disc that is recorded using the DVD-Video format that have been finalized using a DVD-recorder. Unfinalized DVD-R/RW discs cannot be played in this unit.
- Some DVD-VR disc are made with CPRM data by DVD RECORDER. Player does not 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.

1. Connect the USB Flash Drive to the USB port on the front panel.
2. In STOP mode, press RETURN to display the USB menu on the TV screen.

Notes:

- Press RETURN when the “USB” icon is displayed on the screen to enter the USB mode.
- If the “USB” icon is not displayed on the screen, check the USB connection or the conditions of USB Flash Drive.

For details on each operation item,
refer to the relevant page.
(See the page 15-18)

3. In STOP mode, press RETURN to exit the USB menu.

To Remove the USB Flash Drive from the unit

1. Press RETURN to exit the USB menu.
2. Remove the USB Flash Drive from the unit.

Notes:

- Do not extract the USB Flash Drive in operating.
- Music files (MP3/WMA) and image files (JPEG) can be played.
- This unit may not supports some USB Memory Drive.
- This unit supports only USB Flash Drive with FAT16 or FAT32 format.
- This unit can support USB1.1.

Reference

Controlling other TV's with the Remote Control

You can control the sound level, input source, and power switch of your LG TV with the supplied Remote Control.

You can control the sound level, input source, and power switch of non-LG TVs as well. If your TV is listed in the table below, set the appropriate manufacturer code.

1. While holding down TV POWER button, press the number buttons to select the manufacturer code for your TV (see the table below).
2. Release TV POWER button.

Code numbers of controllable TVs

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.

Manufacturer	Code Number
LG / GoldStar	1 (Default), 2
Zenith	1, 3, 4
Samsung	6, 7
Sony	8, 9
Hitachi	4

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.

Maintenance and Service

Refer to the information in this chapter before contacting a service technician.

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.
- Do not leave rubber or plastic products in contact with the unit for a long period of time. since they leave marks on the surface.

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.

Depending on the operating environment, regular inspection and maintenance are recommended after every 1,000 hours of use.

For details, please contact your nearest authorized service center.

Language Codes

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

Language	Code	Language	Code	Language	Code	Language	Code
Abkhazian	6566	Fiji	7074	Lingala	7678	Singhalese	8373
Afar	6565	Finnish	7073	Lithuanian	7684	Slovak	8375
Afrikaans	6570	French	7082	Macedonian	7775	Slovenian	8376
Albanian	6381	Frisian	7089	Malagasy	7771	Somali	8379
Ameharic	6577	Galician	7176	Malay	7783	Spanish	6983
Arabic	6582	Georgian	7565	Malayalam	7776	Sudanese	8385
Armenian	7289	German	6869	Maltese	7784	Swahili	8387
Assamese	6583	Greek	6976	Maori	7773	Swedish	8396
Aymara	6588	Greenlandic	7576	Marathi	7782	Tagalog	8476
Azerbaijani	6590	Guarani	7178	Moldavian	7779	Tajik	8471
Bashkir	6665	Gujarati	7185	Mongolian	7778	Tamil	8465
Basque	6985	Hausa	7265	Nauru	7865	Tatar	8484
Bengali, Bangla	6678	Hebrew	7387	Nepali	7869	Telugu	8469
Bhutani	6890	Hindi	7273	Norwegian	7879	Thai	8472
Bihari	6672	Hungarian	7285	Oriya	7982	Tibetan	6679
Breton	6682	Icelandic	7383	Panjabi	8065	Tigrinya	8473
Bulgarian	6671	Indonesian	7378	Pashto, Pushto	8083	Tonga	8479
Burmese	7789	Interlingua	7365	Persian	7065	Turkish	8482
Byelorussian	6669	Irish	7165	Polish	8076	Turkmen	8475
Cambodian	7577	Italian	7384	Portuguese	8084	Twi	8487
Catalan	6765	Japanese	7465	Quechua	8185	Ukrainian	8575
Chinese	9072	Javanese	7487	Rhaeto-Romance	8277	Urdu	8582
Corsican	6779	Kannada	7578	Rumanian	8279	Uzbek	8590
Croatian	7282	Kashmiri	7583	Russian	8285	Vietnamese	8673
Czech	6783	Kazakh	7575	Samoan	8377	Volapük	8679
Danish	6865	Kirghiz	7589	Sanskrit	8365	Welsh	6789
Dutch	7876	Korean	7579	Scotts Gaelic	7168	Wolof	8779
English	6978	Kurdish	7585	Serbian	8382	Xhosa	8872
Esperanto	6979	Laotian	7679	Serbo-Croatian	8372	Yiddish	7473
Estonian	6984	Latin	7665	Shona	8378	Yoruba	8979
Faroese	7079	Latvian, Lettish	7686	Sindhi	8368	Zulu	9085

Area Codes

Choose an area code from this list.

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

Troubleshooting

Symptom	Possible Cause	Correction
No power.	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
The power is on, but the unit does not work.	No disc is inserted.	Insert a disc. (Check the disc indicator in the display window is lit.)
No picture.	The TV is not set to receive DVD signal output.	Select the appropriate video input mode on the TV.
	The video cable is not connected securely.	Connect the video cable securely.
No sound.	The equipment connected with the audio cable is not set to receive DVD signal output.	Select the correct input mode of the audio receiver so you can listen to the sound from the unit.
	The power of the equipment connected with the audio cable is turned off.	Turn on the equipment connected with the audio cable.
	The AUDIO options are set to the wrong position.	Set the AUDIO option to the correct position, then turn on the unit again by pressing POWER.
The unit does not start playback.	An unplayable disc is inserted.	Insert a playable disc. (Check the disc type and regional code.)
	The rating level is set.	Change the rating level.
The Remote Control does not work properly.	The Remote Control is not pointed at the remote sensor on the unit.	Point the Remote Control at the remote sensor of the unit.
	The Remote Control is too far from the unit.	Operate the Remote Control closer to the unit.

Specifications

General

Power requirements: AC 120 V, 60 Hz
Power consumption: 8W
Dimensions (Approx.):
 430 x 35 x 202 mm (17 x 1.4 x 7.9 inches)
 (W x H x D) without foot
Weight (Approx.): 1.6 kg (3.5 lbs)
Operating temperature:
 5 °C to 35 °C (41 °F to 95 °F)
Operating humidity: 5 % to 90 %

Outputs

VIDEO OUT:
 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1
S-VIDEO OUT:
 (Y) 1.0 V (p-p), 75 Ω, negative sync, Mini DIN 4-pin x 1
 (C) 0.3 V (p-p) 75 Ω
COMPONENT VIDEO OUT:
 (Y) 1.0 V (p-p), 75 Ω, negative sync, RCA jack x 1
 (Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA jack x 2
AUDIO OUT:
 2.0 Vrms (1 KHz, 0 dB), 600 Ω, RCA jack (L, R) x 1

DIGITAL OUT (COAXIAL):

0.5 V (p-p), 75 Ω, RCA jack x 1

DIGITAL OUT (OPTICAL):

3 V (p-p), Optical jack x 1

System

Laser:
 Semiconductor laser, wavelength 650 nm
Signal system: NTSC
Frequency response:
 DVD (PCM 96 kHz): 8 Hz to 44 kHz
 DVD (PCM 48 kHz): 8 Hz to 20 kHz
 CD: 8 Hz to 20 kHz
Signal-to-noise ratio:
 More than 90 dB (ANALOG OUT connectors only)
Harmonic distortion: Less than 0.02%
Dynamic range:
 More than 95 dB (DVD/CD)

Accessories

Video cable (1), Audio cable (1), Remote control (1),
 Batteries (2)

Note: Design and specifications are subject to change without prior notice.



**LG Electronics, Inc.
Limited Warranty - USA**

This LG Electronics product, will be repaired or replaced, at LG's option, if it proves to be defective in material or workmanship, under normal use, during the warranty period ("Warranty Period") listed below, effective from the date ("Date of Purchase") of original consumer purchase of the product. This warranty is good only to the original purchaser of the product and effective only when used in the United States, excluding U.S. Territories.

WARRANTY PERIOD: LABOR: 90 days from the Date of Purchase. 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 first 90 days of the Warranty Period. During the remainder of the Warranty Period (91-365 days), you pay inbound shipping charges and LG pays return shipping charges. Visit our website at: http://www.lgservice.com
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THIS LIMITED WARRANTY DOES NOT APPLY TO:

- Damages or operating problems that result from shipping, installation, adjustment of user controls, calibration, maintenance or failure to maintain, or separate system components; and
- Damages or operating problems that result from normal wear and tear, misuse, abuse, operation outside environmental specifications or contrary to the requirements or precautions in the Operating Guide, accident, lightning strikes or other natural causes, unauthorized modification or alteration, incorrect electrical current or voltage, signal reception or input, software not licensed directly by LG, software errors that do not disable functionality, operating and software protocols adopted after the date of manufacture or for outside the US, institutional or commercial use, or other causes not arising out of defect in material or workmanship.

The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.

CUSTOMER INTER-ACTIVE CENTER NUMBERS:

For Warranty Service, Where to buy, Product Assistance, or Customer Assistance	Call 1-800-243-0000 (24 hours a day, 365 days per year) and select appropriate options from the menu. Or visit our website at http://www.lgservice.com
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