Portable DVD Player

LG

Owner's Manual

Model: DP8821

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

FOR THE GUARANTEE TERMS & CONDITIONS, PLEASE REFER TO BACK COVER OF THIS MANUAL.

P/NO : 3834RD0073X

Safety Precautions

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

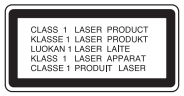
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

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

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

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



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.
Performing controls, adjustments, or carrying out 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: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED.

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.

SERIAL NUMBER: The serial number is found on the back of this unit. This number is for this unit only. You should record the serial number in the space provided and retain this guide as a permanent record of your purchase.

Model No. _____

Serial No. _____

POWER: This unit operates on a mains supply of 100-240V, 50/60Hz.

WIRING: This unit is supplied with a BSI 1363 approved 13 amp mains plug, fused at 5 amp. When replacing the fuse always use a 5 amp BS 1362, BSI or ASTA approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your dealer. If the type of plug supplied is not suitable for the mains sockets in your home, then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

WARNING: A mains plug removed from the mains lead of this DVD player must be destroyed. A mains plug with bared wires is hazardous if inserted in a mains socket.
Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow.
If any other plug is fitted, use a 5 amp fuse, either in the plug, or at the distribution board.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following codes:
- BLUE: NEUTRAL, BROWN: LIVE - As the colours of the wires in the mains lead of this DVD player may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Safety Precautions (Continued)

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 on a VCR, 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. 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.

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 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.

CE This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 73/23/EEC.



Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. 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.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. 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.

Table of Contents

Introduction

Safety Precautions . . . 2-3
Table of Contents . . . 4
Before Use . . . 5-8
- Symbol used in this Manual . . . 5
- About the ⃠ Symbol Display . . . 5
- Notes on Discs . . . 5-6
- Disc-related terms . . . 6
- Maintenance and Service . . . 7
- Types of Playable Discs . . . 8

Identification of Controls . . . 9-12
- Main Unit . . . 9-10
- Remote Control . . . 11-12

Power Connections . . . 13-16
- AC Adapter . . . 13
- Automotive Adapter . . . 14
- Battery Pack . . . 15-16

Playing a Disc . . . 17

Advanced Operations

On-Screen Display . . . 18-19
General Features . . . 20-24
- • Moving to another TITLE . . . 20
- • Moving to another CHAPTER/TRACK . . . 20
- • Search . . . 20
- • Still Picture and Frame-by-Frame Playback . . . 21
- • Slow Motion . . . 21
- • Time Search . . . 21
- • Repeat A-B . . . 21
- • Repeat . . . 21
- • Marker Search . . . 22
- • Zoom . . . 23
- • Resume Play . . . 23

Special DVD Features . . . 23-24
- • Title Menu . . . 23
- • Disc Menu . . . 23
- • Changing the Audio Language . . . 23
- • Camera Angle . . . 24
- • Subtitles . . . 24
- • Last Scene Memory . . . 24
- • Screen Saver . . . 24
- • Changing the Audio Channel . . . 24

Playing an Audio CD and MP3/WMA Disc . . . 25-27
- Audio CD and MP3/WMA Disc Features . . . 26-27
  - • Pause . . . 26
  - • Moving to another Track . . . 26
  - • Search . . . 26
  - • Repeat Track/ All/ Off . . . 26
  - • Repeat A-B . . . 26
  - • MP3 / WMA disc compatibility with this player is limited as follows . . . 27

Programmed Playback . . . 28-29
- • Repeat Programmed Tracks . . . 29
- • Erasing a Track from Program List . . . 29
- • Erasing the Complete Program List . . . 29

Viewing a JPEG disc . . . 30-31
- • Slide Show . . . 30
- • Still Picture . . . 30
- • Moving to another File . . . 31
- • Zoom . . . 31
- • To rotate picture . . . 31
- • To listen to MP3/WMA music while watching picture . . . 31
- • JPEG disc compatibility with this player is limited as follows . . . 31

Playing a DVD VR format Disc . . . 32
Playing a DivX Movie Disc . . . 33
- • DivX disc compatibility with this player is limited as follows . . . 33

Initial Settings

Initial Settings . . . 34-39
- General Operation . . . 34
- LANGUAGE . . . 34
- DISPLAY . . . 35
- AUDIO . . . 35-36
- OTHERS . . . 36-37
- LOCK (Parental Control) . . . 38-39

Connections

Setting up the Player . . . 40-41
- DVD Player Connections . . . 40
- Audio Connection to Optional Equipment . . . 41

Reference

Troubleshooting . . . 42
Language Code List . . . 43
Area Codes . . . 44
Specifications . . . 45

Before Use

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

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

Symbol Used in this Manual

The lightning flash symbol alerts you to the presence of dangerous voltage within the product enclosure that may constitute a risk of electric shock.

The exclamation point alerts you to the presence of important operating and maintenance / servicing instructions.

Indicates hazards likely to cause harm to the unit itself or other material damage.

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.

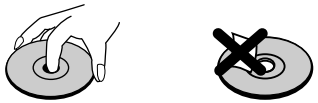
DVD DVD and finalized DVD±R/RW
VCD Video CDs.
CD Audio CDs.
MP3 MP3 discs.
WMA WMA discs.
JPEG JPEG discs.
DivX DivX discs

About the ⃠ Symbol Display

" ⃠ " may appear on your LCD display during operation and indicates that the function explained in this owner's manual is not available on that specific DVD video disc.

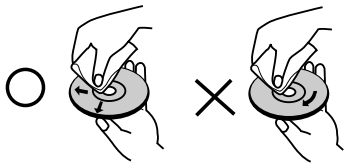
Notes on Discs

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



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

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



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

Disc-related terms

DVD ±R / DVD ±RW
DVD -R and DVD +R are two different standards for recordable DVD drives and discs. This format allows information to be recorded onto the DVD disc only once. DVD +RW and DVD -RW are two standards for re-writable media, meaning the DVD content can be erased and re-recorded.

VCD (Video CD)
A VCD holds up to 74 minutes (650 MB disc) or 80 minutes (700 MB disc) of MPEG-1 full-motion video along with quality stereo sound.

MPEG
MPEG is an international standard for video and audio compression. MPEG-1 is used in encoding video for VCD and provides for multichannel surround sound coding such as PCM, Dolby Digital, DTS and MPEG audio.

MP3
MP3 is a popular compression format used for digital audio files that yields very high near-CD quality.

WMA
Windows media audio file. A type of coding / decoding developed by Microsoft Corp.

JPEG
Joint Pictures Expert Group. JPEG is a compressed file format that allows you to save images with no limit on the number of colors.

DivX
DivX is the name of a revolutionary new video codec which is based on the new MPEG-4 compression standard for video.You will be able to play DivX movies using this DVD player.

PBC: Playback Control (Video CD only)
Playback control is available for Video CD (VCD) version 2.0 disc formats. PBC allows you to interact with the system via menus, search functions, or other typical computer-like operations. Moreover, still pictures of high resolution can be played if they are included in the disc. Video CDs not equipped with PBC (Version 1.1) operate in the same way as audio CDs.

Title (DVD video discs only)
A title is generally a distinct section of a DVD disc. For example the main feature could be title 1, a documentary describing how the film was made could be title 2, and cast interviews could be title 3. Each title is assigned a reference number enabling you to locate it easily.

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 DVD player 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.

Types of Playable Discs

DVD VIDEO	DVD (8 cm / 12 cm disc)
COMPACT disc DIGITAL VIDEO	Video CD (VCD) (8 cm / 12 cm disc)
COMPACT disc DIGITAL AUDIO	Audio CD (8 cm / 12 cm disc)

In addition, this unit plays DivX file, DVD±R, DVD±RW, SVCD, and CD-R or CD-RW that contains audio titles, MP3, WMA or JPEG files.

dts DIGITAL OUT DOLBY DIGITAL Plays Windows Media MP3 CD-R/RW DivX VIDEO

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

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.

NOTES

- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/±RW) disc itself, some CD-R/RW (or DVD±R/±RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). It may result in malfunctions.

Notes on DVDs and Video CDs

Some playback operations of DVDs and Video CDs may be intentionally programmed by software manufacturers. This unit plays DVDs and Video CDs according to disc content designed by the software manufacturer, therefore some playback features may not be available or other functions may be added.

Regional code

This DVD player is designed and manufactured for playback of region "2" encoded DVD software. This unit can play only DVD discs labeled "2" or "ALL".

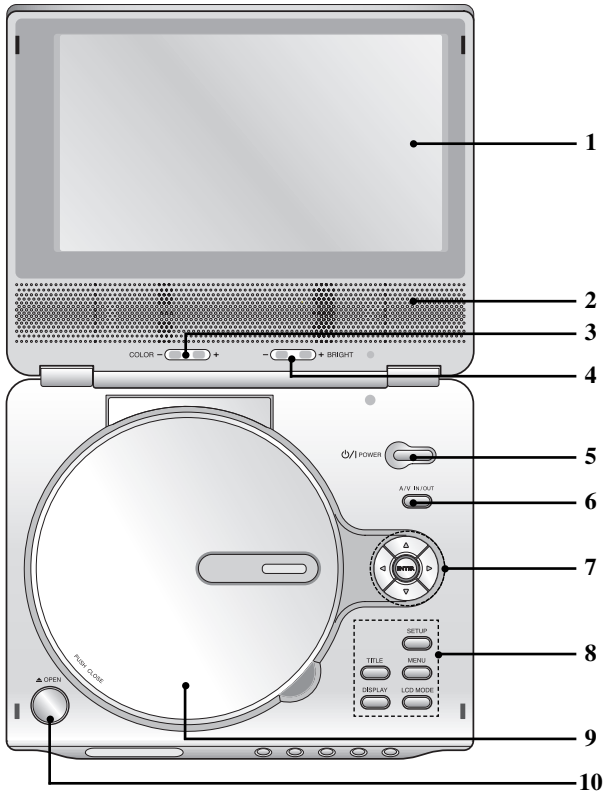


Notes on Regional Codes

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

Identification of Controls

Main Unit



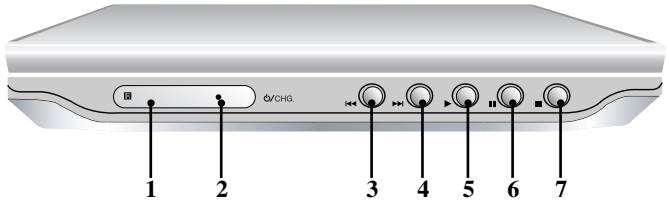
1. **LCD screen**
2. **Speaker**
3. **COLOR control buttons : –** ; black and white, **+** ; color
4. **BRIGHT control buttons : –** ; dark, **+** ; light
5. **POWER**
   Switches the player ON and OFF.
6. **A/V IN/OUT**
   Selects the TV's source.
7. **• ◄ ► ▲ ▼ (left/right/up/down)**
   Selects an item in the menu.
   • ENTER
   Confirms menu selection.
8. **• TITLE**
   Displays title menu, if available.
   • LCD MODE
   NORMAL → FULL → ZOOM → OFF
   • MENU
   Accesses menu on a DVD disc.
   • DISPLAY
   Accesses On-Screen display.
   • SETUP
   Accesses or removes setup menu.
9. **Disc Lid**
10. **OPEN button**
    Push this button to open the Disc lid.

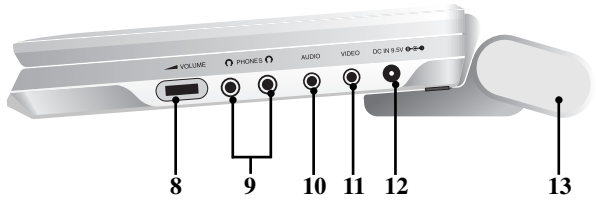
NOTE

Place a disc with the playback side down on the spindle, and push gently on the center of the disc so it goes into position.

Identification of Controls (continued)

Main Unit

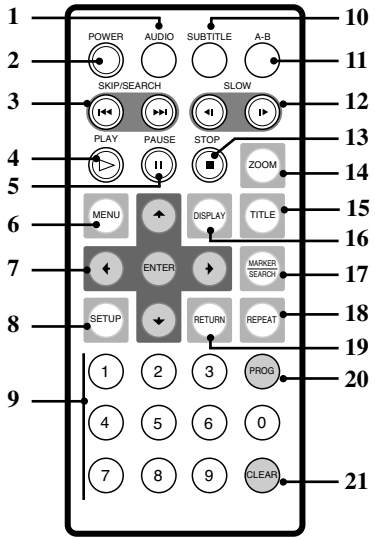




1. **Remote sensor**
2. **Charge indicator**
   During recharging, charge indicator is red.
   If recharging is complete, charge indicator changes to green color.
3. **Reverse Skip/Search**
   Go to previous chapter / track or to the beginning.
   Press and hold for two seconds for fast reverse search.
4. **Forward Skip/Search**
   Go to the next chapter / track.
   Press and hold for two seconds for fast forward search.
5. **PLAY**
   Starts playback.
6. **PAUSE**
   Pause playback temporarily/press repeatedly for frame-by-frame playback.
7. **STOP**
   Stops playback.
8. **Volume Control**
9. **Earphone jack**
10. **AUDIO In/Out jack (OPTICAL OUT)**
11. **VIDEO In/Out jack**
12. **DC IN 9.5V**
    Connect the AC adapter.
13. **Battery Pack**

Identification of Controls (continued)

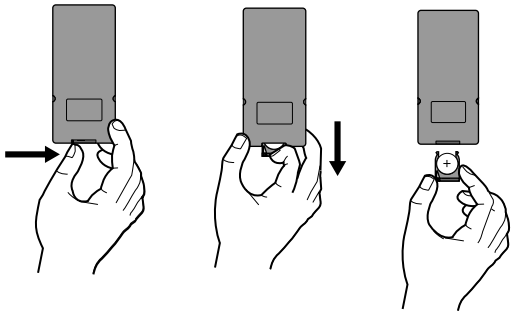
Remote Control



1. **AUDIO**
   Selects an audio language (DVD).
2. **POWER**
   Switches DVD Player ON and OFF.
3. • **Reverse SKIP/SEARCH (⏮)**
   Search backward*/ go to beginning of current chapter or track or go to previous chapter or track.
   • **Forward SKIP/SEARCH (⏭)**
   Search forward*/ go to next chapter or track.
   * Press and hold button for about two seconds.
4. **PLAY**
   Starts playback.
5. **PAUSE**
   Pauses playback temporarily/ press repeatedly for frame-by-frame playback.
6. **MENU**
   Accesses menu on a DVD disc.
7. • **◀ ▶ ▲ ▼ (left/right/up/down)**
   Selects an item in the menu.
   • **ENTER**
   Confirms menu selection.
8. **SETUP**
   Accesses or removes setup menu.
9. **0-9 number buttons**
   Selects numbered items in a menu.
10. **SUBTITLE**
    Selects a subtitle language.
11. **A-B**
    Repeat sequence.
12. **SLOW (◀ / ▶)**
    Reverse/ Forward slow playback.
13. **STOP (■)**
    Stops playback.
14. **ZOOM**
    Enlarges video image.
15. **TITLE**
    Displays title menu, if available.
16. **DISPLAY**
    Accesses On-Screen display.
17. • **MARKER**
    Marks any point during playback.
    • **SEARCH**
    Displays MARKER SEARCH menu.
18. **REPEAT**
    Repeat chapter, track, title all.
19. **RETURN**
    Removes the setup menu, displays the video CD with PBC.
20. **PROG.**
    Places a track on the program list.
21. **CLEAR**
    Removes a track number on the program list or a mark on the MARKER SEARCH menu.

Identification of Controls (continued)

Insert the battery (Lithium battery)



NOTES

- Do not expose the remote control sensor to bright light.
- Do not place obstacles between the remote control sensor and the remote control.

Replacing the button-type battery

The battery normally lasts for about a year. Replace the battery if the remote control fails to operate the unit when used within the operation range.

Button-type battery (Lithium battery)

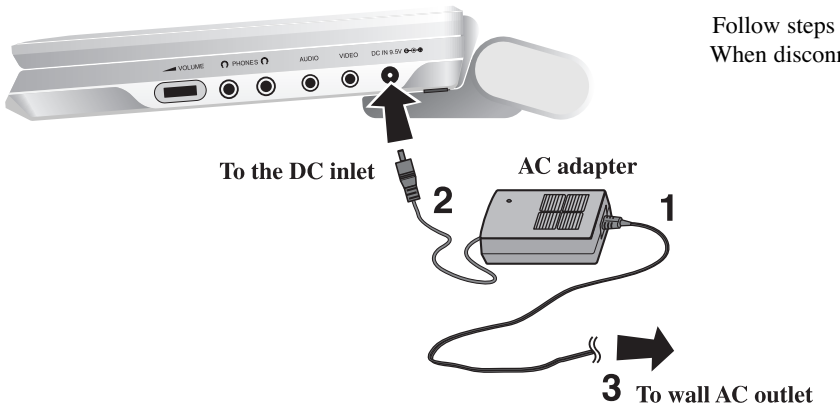
1. Pinch the battery holder clip together then pull the tab to remove the battery holder.
2. Insert the battery with the + facing in the same direction as the + on the battery holder.
3. Replace the battery holder with battery into the remote control unit making sure that it is fully inserted.

- Replace remote control unit battery with 3V micro lithium cells such as CR. 2025 or its equivalent.
- Dispose of battery safety in accordance with local laws. Do not dispose of in fire.

Warning : The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not recharge, disassemble, incinerate, or heat above 100 °C (212 °F).
Replace the battery with Matsushita Elec. Ind. Co., Ltd. (Panasonic), part no. CR. 2025 only.
Use of another battery may present a risk of fire or explosion. Dispose of used batteries. Keep batteries away from children. Do not disassemble or dispose of in fire.

Power Connections

AC Adapter



Follow steps 1 to 3 to connect.
When disconnecting, reverse the order.

Caution

- Do not connect the power plug to a power outlet other than that indicated on the label, as this can result in a risk of fire or electric shock.
- Do not connect or disconnect the power plug with wet hands. Doing so may cause electric shock.
- Do not use an AC adapter other than one specified, as it can cause a fire or damage to the player.

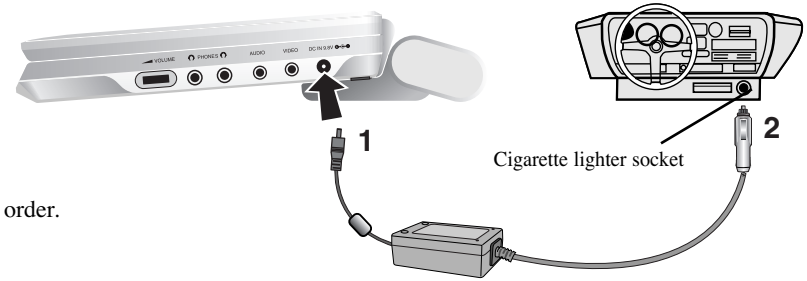
AC adapter

- This AC adapter operates on 100-240V~ 1.5A 50-60Hz.
- MODEL NO. : DP-AC90
- Manufactured by WANLIDA Digital Technology Co., Ltd.
- Contact an electrical parts distributor for assistance in selecting a suitable AC plug adapter or AC cord set.

Power Connections (continued)

Automotive Adapter

This DVD player and its automotive adapter are designed for use in vehicles that have 12-24 volt, negative ground electrical systems. (This is standard for most vehicles.) If your vehicle has a different type of electrical system, the DC power system cannot be used.



Follow steps 1 to 2 to connect.
When disconnecting, reverse the order.

Caution

- To prevent electrical shock and possible damage to your DVD player or vehicle, always unplug the automotive adapter from the cigarette lighter socket before you remove the plug from your DVD player.
- A 4 amp. 250V fuse for protection is installed in the automotive adapter.
- While the engine is being started, disconnect the automotive adapter from the car's cigarette lighter socket.
- Do not operate your DVD player when the car battery is discharged. Peak current from the car generator may cause the DC fuse to blow.
- If the vehicle's supply voltage drops below approximately 10 volts, your DVD player may not work properly.
- Do not leave your DVD player in a place where the temperature exceeds 70°C (158°F), or the pick-up device may be damaged.
  Examples include:
  - Inside a car with the windows closed and in direct sunshine.
  - Near a heating appliance.

Automotive adapter

- This automotive adapter operates on DC 12-24V.
- MODEL NO. : DP-CA90
- Manufactured by WANLIDA Digital Technology Co., Ltd.
- Contact an electrical parts distributor for assistance in selecting a suitable automotive adapter.

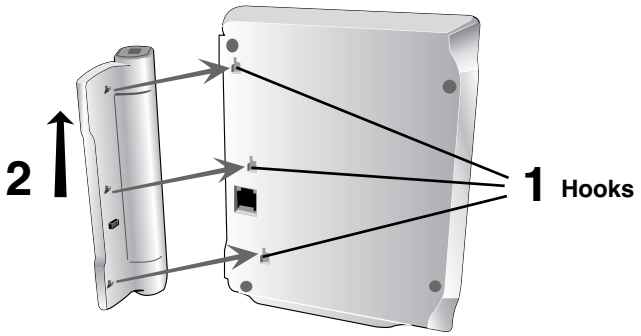
Power Connections (continued)

Battery Pack

• Charge the battery pack before using it for the first time.

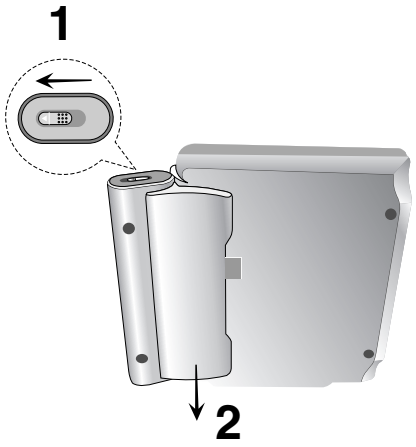
■ **Attaching the battery pack**

1. Match the hooks of the battery pack into the holes on the bottom of the player.
2. Combine the battery pack to push toward up until you can hear the click sound.



■ **Detaching the battery pack**

To separate the battery pack, pull the switch which is locate beside the battery pack then slide down the battery pack at the same time.



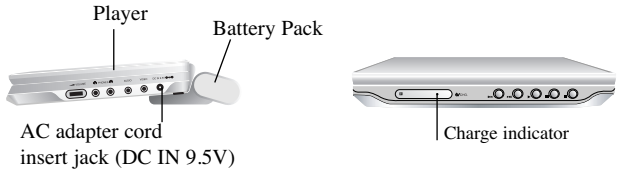
ATTENTION

The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of it's useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste/officials for details in your area for recycling options or proper disposal.

Power Connections (continued)

■ Charging the battery pack

1. Attach the battery pack to the player.
2. Connect the AC power adapter to the player and the plug into an AC outlet.



3. During recharging, charge indicator is red. If recharging is complete, charge indicator changes to green color.

CAUTION

Take the following precautions to avoid liquid leakage, overheating, etc.

- Do not use any unauthorized parts.
- Use the authorized AC adapter when recharging battery.
- Do not expose to high temperature above 60°C (140°F).
- Do not attempt to dismantle or modify the unit.
- Excessive impact may cause the unit to malfunction.
- Do not incinerate.
- Do not disassemble; dispose of properly.
- Do not short-circuit.

NOTE

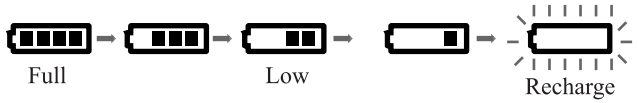
Charging a battery is only happens when the power is off.
The battery will not be charged when it is naturally or purposely discharged. Because the unit cannot perceive battery voltage, even if you attached the battery.
When you are in this situation, power on the unit and then power off again. Then battery charge will proceed.

■ Recharging and play times

Recharging	Play time	
without player	LCD On	LCD Off
Approx. 3.5 hour	Approx. 3 hours*	Approx. 4 hours

* When Brightness control is set to initial mode.

■ Press "Display" to display the battery status on the screen.



- **If using the AC adapter, battery display does not appear.**

■ If play time dramatically reduces after recharging

The battery pack has reached the end of its service life (it can be recharged about 300 times).

■ If the unit is not to be used for a long time

- Detach the battery pack. (Even if the unit is off, it still uses some power. This can lead to over discharging of the battery and malfunction.)
- Recharge the battery pack when you are ready to use it again.

■ Battery Pack

- MODEL NO. : DP-BS930

Playing a Disc

1. Prepare the power supply.

2. Open the outer cover and press POWER button.

3. Press OPEN to open the disc lid and insert a disc with the side you want to play label up. Close the disc lid by hand.
- If the disc is placed in upside down (and it is a single-sided disc), "NO DISC" or "DISC ERROR" appears on the screen.
- After playing back all of the chapters in the title, the DVD player automatically stops and returns to the menu screen.

4. Press PLAY to start play.

5. Adjust the volume.

NOTES
- Place a disc with the playback side down on the spindle, and push gently on the center of the disc so it goes into position.
- Confirm LCD MODE position by pressing LCD MODE button.

■ **Changing the size of the picture**

Use the LCD MODE button to change the picture mode. The mode is shown on the unit's display as follows.

NORMAL → FULL → ZOOM → OFF



NOTE

May appear to differ according to kind of disc.

■ **The picture mode and size**

The picture shown on the LCD depends on the display mode and the size recorded on the disc.

NOTES
- If you are not using the LCD on this unit, select OFF to conserve power.
- The LCD is turned off if you close the unit.
- Horizontal lines may appear in the picture when the mode is switched to ZOOM, but this is not an indication of a malfunction.

On-Screen Display

You can display the general playback status on the screen. Some items can be changed using the menu. To use the on-screen display:

1. Press DISPLAY during playback.
2. Press ▲ / ▼ to select an item.
   The selected item is highlighted.
3. Press ◀ / ▶ to change the setting. You can also use the number buttons if appropriate (e.g. inputting the title number).
   For some functions, press ENTER to execute the setting.

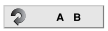
NOTES

- Some discs may not provide all of the features shown below.
- If no button is pressed for 10 seconds, the on-screen display disappears.

Playback Status/Restrictions



Repeat title



Repeat sequence



Enter a Marker



Marker Search menu


Resume play from this point

⃠ Action prohibited or not available

Example: On-Screen Display during playing DVD Video

Items		Selection Method
Title Number	1 / 3	◀ / ▶, Numbers ENTER
Chapter Number	1 / 12	◀ / ▶, Numbers ENTER
Time search	0:20:09	Numbers, ENTER
Audio language and Digital Audio Output mode	1 ENG DD 3/2.1CH	◀ / ▶ or AUDIO
Subtitle language	1 ENG	◀ / ▶ or SUBTITLE
Angle	1 / 3	◀ / ▶

On-Screen Display (continued)

Example: On-Screen Display during playing VCD

Items		Selection Method
Track Number (or PBC mode)		◀ / ▶, Numbers ENTER
Time search		Numbers ENTER
Audio Channel		◀ / ▶ or AUDIO

Example: On-Screen Display during playing divx movie disc

Items		Selection Method
Track Number		◀ / ▶, Numbers ENTER
Time search		Numbers, ENTER
Audio language and Digital Audio Output mode		◀ / ▶ or AUDIO
Subtitle language		◀ / ▶ or SUBTITLE

DVD

Use the ◄ ► ▲ ▼ buttons to select the title/chapter you want to view, then press ENTER to start. Press TITLE or MENU to return to the menu screen.

VCD

Use the number buttons to select the track you want to view and press RETURN to return to the menu screen. Menu settings and operating procedures may differ. Follow the instructions on the each menu screen. You also may set PBC to Off (See "PBC" on page 36).

NOTES

- If parental control is set and the disc is not within the rating settings you must input the password.
  (See "Lock Menu" on page 38-39.)
- DVDs may have a region code. Your player does not play discs that have a region code different from your player. The region code for this player is 2 (two).

Unless stated otherwise, all operations described use the remote control. Some features may also be available on the Setup menu.

Moving to another TITLE DVD

When a disc has more than one title, you can move to another title. Press DISPLAY while playback is stopped then the appropriate number (0-9) or use ◄ / ► to move to another title.
You can play any title by inputting its number while playback is stopped.

Moving to another CHAPTER/TRACK

DVD VCD DivX

When a title on a disc has more than one chapter or a disc has more than one track, you can move to another chapter/track as follows:

- Press SKIP/SEARCH ⏮ or ⏭ briefly during playback to select the next chapter/track or to return to the beginning of the current chapter/track.
- Press SKIP/SEARCH ⏮ twice briefly to step back to the previous chapter/track.
- To go directly to any chapter during DVD playback, press DISPLAY and press ▲ / ▼ to select the chapter/track icon. Then, input the chapter/track number or use ◄ / ►.

Search DVD VCD DivX

1. Press and hold SKIP/SEARCH ⏮ or ⏭ for about two seconds during playback.
   The player will now go into SEARCH mode.
2. Press and hold SKIP/SEARCH ⏮ or ⏭ repeatedly to select the required speed: ◀◀X2, ◀◀X4, ◀◀X16, ◀◀X100 (backward) or ▶▶X2, ▶▶X4, ▶▶X16, ▶▶X100 (forward).
   With a Video CD, the Search speed changes: ◀◀X2, ◀◀X4, ◀◀X8, (backward) or ▶▶X2, ▶▶X4, ▶▶X8, (forward).
3. To exit SEARCH mode, press PLAY.

Still Picture and Frame-by-Frame Playback

DVD VCD DivX

1. Press PAUSE on the remote control during playback. Advance the picture frame-by-frame by pressing PAUSE repeatedly.
2. To exit still motion mode, press PLAY.

Slow Motion DVD VCD DivX

1. Press SLOW ◀I or I▶ during playback.
   The player will enter SLOW mode.
2. Use the SLOW ◀I or I▶ to select the required speed: ◀I 1/16, ◀I 1/8, ◀I 1/4 or ◀I 1/2 (backward), or I▶ 1/16, I▶ 1/8, I▶ 1/4 or I▶ 1/2 (forward).
3. To exit slow motion mode, press PLAY.

NOTE

Slow motion playback in reverse is not applicable for Video CD and DivX Discs.

Time Search DVD VCD DivX

To start playing at any chosen time on the disc:

1. Press DISPLAY during playback. The time search box shows the elapsed playing time.
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.

Repeat A-B DVD VCD DivX

To repeat a sequence.

1. Press A-B at your chosen starting point. " A ∗ " appears briefly on the screen.
2. Press A-B again at your chosen end point.
   "A B" appears briefly on the screen and the repeat sequence begins.
3. Press A-B again to cancel.

Repeat DVD VCD1.1 DivX

You can play a title/chapter/all/track on a disc.
Press REPEAT during playback to select a desired repeat mode.

DVD Video Discs - Repeat Chapter/Title/Off
- Chapter: repeats the current chapter.
- Title: repeats the current title.
- Off : does not play repeatedly.

Video CDs, DivX discs - Repeat Track/All/Off
- Track : repeats the current track
- All : repeats all the tracks on a disc.
- Off : does not play repeatedly.

NOTES
- On a Video CD with PBC, you must set PBC to Off on the setup menu to use the repeat function (See "PBC" on page 36).
- If you press SKIP (▶▶I) once during Repeat Chapter (Track) playback, the repeat playback cancels.

Marker Search DVD VCD DivX

Storing a MARKER in the DVD memory is similar to marking your page in a book. It allows you to quickly return to any point on the disc.

Storing a marker in the memory

1. Press MARKER/SEARCH during play.
The MARKER SEARCH menu appears on the screen.

2. During playback, press ENTER when playback reaches the spot that you want to memorize.
- The Marker number appears.
- Do this within 10 seconds while the MARKER SEARCH menu appears.
- To enter additional Marker points, press ◀/▶ until another empty point on the MARKER SEARCH menu is highlighted, then press ENTER when playback reaches the point at which you want the next Marker.

3. Repeat step 2 to enter up to nine Marker points on a disc.

4. To remove the MARKER SEARCH menu, press MARKER/SEARCH.

Recalling/Clearing a marker

5. Press MARKER/SEARCH during playback.
The MARKER SEARCH menu will appear on the screen.

6. Press ◀/▶ to select the marker to be recalled/ cleared.

7. Press ENTER to recall a marker.
Press CLEAR to clear a marker.
Play resumes from the point corresponding to the selected marker, or the selected marker is cleared.

NOTES
- These operations work only with discs for which the elapsed playing time appears in the display window during playback or stop.
- Some subtitles recorded around the marker may fail to appear (DVD).
- All the markers are cleared when the power is turned off or the disc is removed.
- The marker is not stored when the DVD or title menu is displayed on the screen.

Zoom DVD VCD DivX

Use zoom to enlarge the video image.

1. Press ZOOM during playback or still playback to activate the Zoom function. The square frame appears briefly in the right bottom of the picture.
2. Each press of the ZOOM button changes the screen in the sequence: 100% size → 400% size → 1600% size → screen fit mode → 100% size

   Screen fit mode:
   You can change the way the image appears on the screen when you're playing a DVD movie. Press ▲/▼ to select between Normal, Enhanced, and Maximum.

3. Use the ◄ ► ▲ ▼ buttons to move through the zoomed picture.
4. To resume normal playback, press CLEAR.

NOTES

- Zoom may not work on some DVDs.
- Screen fit mode is available for playing the DVD disc, VR disc and movie file.

Resume Play

When play is stopped, the unit records the point where STOP was pressed (RESUME function).
Press PLAY and play will resume from this point.

Special DVD Features

Checking the contents of DVD discs: Menus
DVDs may offer menus that allow you to access special features. To use the disc menu, press MENU. Input the corresponding number or use the ◄ ► ▲ ▼ buttons to highlight your selection.
Then press ENTER.

Title Menu DVD

1. Press TITLE. If the current title has a menu, the menu appears on the screen. Otherwise, the disc menu may appear.
2. The menu offers features such as camera angles, spoken language and subtitle options, and chapters for the title.
3. Press TITLE to exit.

Disc Menu DVD

Press MENU and the disc menu is displayed. Press MENU again to exit.

Changing the Audio Language DVD DivX

Press AUDIO repeatedly during playback to hear a different audio language or audio track.
With DVD-RW discs recorded in VR mode that have both a main and a Bilingual audio channel, you can switch between Main (L), Bilingual (R), or a mix of both (Main + Bilingual) by pressing AUDIO.

General Features (continued)

Camera Angle DVD

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

1. Press DISPLAY during playback.
2. Press ▲/▼ to select Angle item.
3. Press ◄/► repeatedly until the desired Angle is selected.

TIP

The angle indicator will blink on the screen during scenes recorded at different angles as an indication that angle switching is possible.

Subtitles DVD DivX

Press SUBTITLE repeatedly during playback to see the different subtitle languages.

NOTES

- The subtitle file of the DivX file is displayed only smi, srt and sub.
- If there is no information or there is a code that can not read in the DivX file, " 1 " etc are displayed.

Last Scene Memory DVD CD VCD1.1

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

NOTES

- Settings are stored in memory for use any time.
- This player does not memorize settings of a disc if you switch off the player before commencing to play it.

Screen Saver

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

Changing the Audio Channel VCD

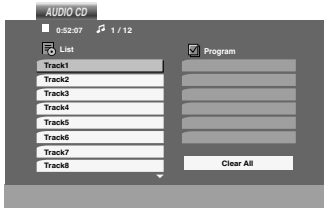
Press AUDIO repeatedly during playback to hear a different audio channel (STEREO, LEFT, or RIGHT).

Playing an Audio CD or MP3/WMA Disc

The DVD player can play MP3/WMA formatted recordings on CD-ROM, CD-R, or CD-RW discs.

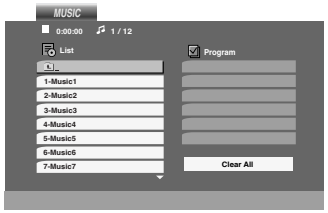
Audio CD

Once you insert an audio CD a menu appears on the screen. Press ▲ / ▼ to select a track then press PLAY or ENTER and playback starts.



MP3 / WMA

1. Press ▲ / ▼ to select a folder, and press ENTER to see the folder contents.
2. Press ▲ / ▼ to select a track then press PLAY or ENTER. Playback starts.



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]
- If there is no information, “NO ID3 TAG” appears on the display.

TIPS

- If you are in a file list on the MUSIC menu and want to return to the Folder list, use the ▲ / ▼ to highlight and press ENTER.
- Press MENU to move to the next page.
- On a CD with MP3/WMA and JPEG you can switch MP3/WMA and JPEG. Press TITLE and MUSIC or PHOTO word on top of the menu is highlighted.

Audio CD and MP3 / WMA Disc Features

Pause CD MP3 WMA

1. Press PAUSE during playback.
2. To return to playback, press PLAY, ENTER or press PAUSE again.

Moving to another Track CD MP3 WMA

1. Press SKIP/SEARCH (⏮ or ⏭) briefly during playback to go to the next track or to return to the beginning of the current track.
2. Press SKIP/SEARCH ⏮ twice briefly to go back to the previous track.
3. You can play any track by inputting its number.

Search CD MP3 WMA

1. Press and hold SKIP/SEARCH (⏮ or ⏭) for about two seconds during playback.
   The player will now go into SEARCH mode.
2. Press and hold SKIP/SEARCH (⏮ or ⏭) repeatedly to select the required speed: ◀◀X2, ◀◀X4, ◀◀X8 (backward) or ▶▶X2, ▶▶X4, ▶▶X8 (forward).
   Search speed and direction are indicated on the menu screen.
3. To exit SEARCH mode, press PLAY.

Repeat Track/All/Off CD MP3 WMA

You can play a track/all on a disc.

1. Press REPEAT when playing a disc. The repeat icon appears.
2. Press REPEAT to select a desired repeat mode.
   - Track: repeats the current track
   - All: repeats all the tracks on a disc.
   - Off(No display): does not play repeatedly.

NOTE

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

Repeat A-B CD

1. To repeat a sequence during disc playback press A-B at your chosen starting point. The Repeat icon and “A” appear on the menu screen.
2. Press A-B again at your chosen end point. The Repeat icon and “A-B” appear on the menu screen, and the sequence begins to play repeatedly.
3. To exit the sequence and return to normal play, press A-B again.

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

- Sampling frequency: within 8 - 48 kHz (MP3), within 32 - 48kHz (WMA)
- Bit rate: within 8 - 320kbps (MP3), 32 - 192kbps (WMA)
- The player cannot read an MP3/WMA file that has a file extension other 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 / ? * : " < > l etc.
- The total number of files on the disc should be less than 650.

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.

Programmed Playback

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

1. Insert a disc.
   Audio CD or MP3/WMA Discs:
   AUDIO CD or MUSIC menu appears.

2. Press PROG.

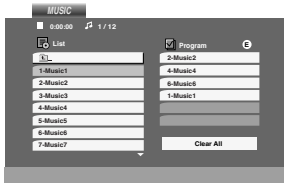
   The Ⓔ mark will appear to the right of the word “Program” on the right side of the menu screen.

NOTE

Press PROG. again, then the Ⓔ mark will disappear to exit the Program Edit mode.



Audio CD Menu

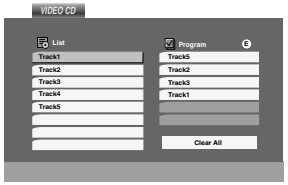


MP3/WMA Menu

Video CD: Press PROG. while playback is stopped. The program menu appears. Press PROG. again and hold it down for a few seconds to exit the menu.

NOTE

On a Video CD with PBC, you must set PBC to Off on the setup menu to use the programmed playback (See “PBC” on page 36).



Video CD Menu

3. Select a track on the “List”, then press ENTER to place the selected track on the “Program” list. Repeat to place additional tracks on the list.

4. Press ▶.
   Select the track you want to start playing on the “Program” list.

5. Press PLAY 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 of AUDIO CD (or MUSIC) list and then press PLAY.

Programmed Playback (continued)

Repeat Programmed Tracks

1. Press REPEAT when playing a disc. The repeat icon appears.
2. 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 ▶▶| once during Repeat Track playback, the repeat playback cancels.

Erasing a Track from Program List

1. Use ▲ ▼ ► to select the track that you wish to erase from the Program list.
2. Press CLEAR. Repeat to erase additional tracks on the list.

Erasing the Complete Program List

1. Press ► to move to the “Program” list.
2. Use ▲ / ▼ to select “Clear All”, then press ENTER.

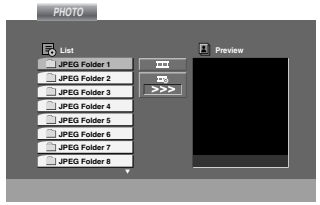
NOTE

The programs are also cleared when the disc is removed.

Viewing a JPEG Disc

Using this DVD Player you can view discs with JPEG files.

1. Insert a disc and close the tray. The PHOTO menu appears on the screen.



2. Press ▲ / ▼ to select a folder, and press ENTER. A list of files in the folder appears. If you are in a file list and want to return to the previous Folder list, use the ▲ / ▼ buttons on the remote to highlight and press ENTER.

3. If you want to view a particular file, press ▲ / ▼ to highlight a file and press ENTER or PLAY. Viewing the file proceeding starts. While viewing a file, you can press STOP to move to the previous menu (PHOTO menu).

TIPS

- Press MENU to move to the next page.
- There are three Slide Speed options : >>> (Fast), >> (Normal) and > (Slow).
  Use ▲ ▼ ◄ ► to highlight the Speed. Then, use ◄ / ► to select the option you want to use then press ENTER.
- On a disc with MP3/WMA and JPEG you can switch MP3/WMA and JPEG. Press TITLE and MUSIC or PHOTO word on top of the menu is highlighted.
- Press RETURN, information of file is hidden.

Slide Show JPEG

Use ▲ ▼ ◄ ► to highlight the (Slide Show) then press ENTER.

Still Picture JPEG

1. Press PAUSE during slide show.
   The player will now go into PAUSE mode.
2. To return to the slide show, press PLAY or press PAUSE again.

Viewing a JPEG Disc (continued)

Moving to another File JPEG

Press SKIP/SEARCH (⏮ or ⏭) or cursor (◄ or ►) once while viewing a picture to advance to the next or previous file.

Zoom JPEG

Use zoom to enlarge the photo image.
(see 23 page)

To rotate picture

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

To listen to MP3/WMA music while watching picture JPEG

You can display files while listening to MP3/WMA music files recorded on the same disc.

1. Insert the disc containing the two types of file in the player.
2. Press TITLE to display 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 watching picture, programmed the desired tracks from the “MUSIC” menu and then proceed as above.

JPEG disc compatibility with this player is limited as follows:

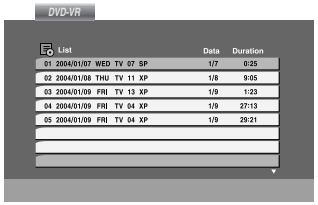
- Depending upon the size and number of JPEG files, it could take a long time for the DVD player to read the disc’s contents. If you don’t see an on-screen display after several minutes, some of the files may be too large — reduce the resolution of the JPEG files to less than 2M pixels as 2760 x 2048 pixels and burn another disc.
- The total number of files and folders on the disc should be less than 650.
- 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 DVD player. Even though the files are shown as JPEG image files in Windows Explorer.

Playing a DVD VR format Disc

This unit will play DVD-R/RW discs recorded using the DVD-Video format that have been finalized using a DVD-recorder.

- This unit will play DVD-RW discs 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.

NOTES

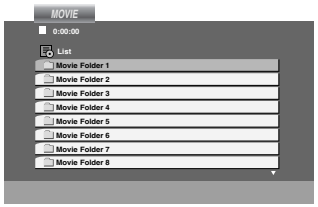
- Unfinalized DVD-R/RW discs cannot be played in this player.
- Some DVD-VR disc are made with CPRM data by DVD RECORDER. Player does not support these kinds of discs and display the “CHECK DISC”.

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.
This player is CPRM compatible, which means that you can record copy-once broadcast programs, but you cannot then make a copy of those recordings.
CPRM recordings can only be made on DVD-RW discs formatted in VR mode, and CPRM recordings can only be played on players that are specifically compatible with CPRM.

Playing a DivX Movie Disc

Using this DVD Player you can play DivX video disc.

1. Insert a disc and close the tray. The MOVIE menu appears on the screen.



2. Press ▲ / ▼ to select a folder, and press ENTER. A list of files in the folder appears. If you are in a file list and want to return to the Folder list, use the ▲ / ▼ buttons on the remote to highlight _ and press ENTER.

3. If you want to view a particular file, press ▲ / ▼ to highlight a file and press ENTER or PLAY.

4. Press STOP to exit.

TIP

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

DivX disc compatibility with this player is limited as follows:

- Available resolution size of the DivX file is under 720x576 (W x H) pixel.
- The file name of the DivX subtitle is limited to 56 characters.
- If there is impossible code to express in the DivX file, it may be displayed as " _ " mark on the display.
- **If the frame rate is over 30 frames per second, this unit may not operate normally.**
- **If the video and audio structure of recorded file is not interleaved, either video or audio is outputted.**
- **If the file is recorded with GMC, the unit supports only 1-point of the record level.**
  ∗ GMC?
  GMC is the acronym for Global Motion Compensation. It is an encoding tool specified in MPEG4 standard. Some MPEG4 encoder, like DivX or Xvid, have this option.
  There are different levels of GMC encoding, usually called 1-point, 2-point, or 3-point GMC.

Playable DivX file

● ".avi ", ".mpg ", ".mpeg "

Playable Codec format

● "DIVX3.xx ", "DIVX4.xx ", "DIVX5.xx ", "XVID ", "MP43 ", "3IVX ".

Playable Audio format

● "Dolby Digital ", "DTS ", "PCM ", "MP3 ", "WMA ".
  • Sampling frequency: within 8 - 48 kHz (MP3), within 32 - 48kHz (WMA)
  • Bit rate: within 8 - 320kbps (MP3), 32 - 192kbps (WMA)

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 34 to 39.

To display and exit the Menu:
Press SETUP to display the menu. A second press of SETUP will take you back to initial screen.

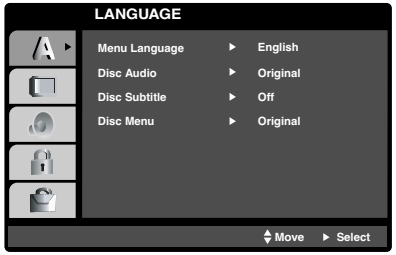
To go to the next level:
Press ► on the remote control.

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 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.

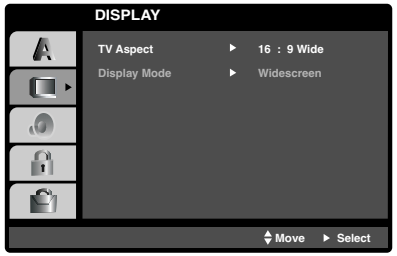
Disc Audio / Subtitle / Menu DVD

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 number buttons then ENTER to enter the corresponding 4-digit number according to the language code list in the reference chapter. If you enter the wrong language code, press CLEAR.

DISPLAY



TV Aspect DVD

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

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

Display Mode DVD

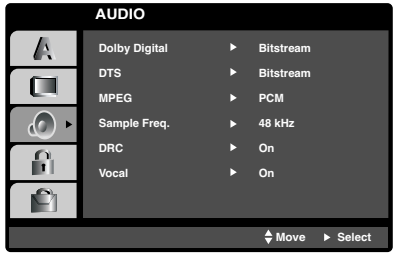
Display Mode setting works only when the TV Aspect mode is set to "4:3".

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 DVD DivX

Bitstream: Select "Bitstream" if you connect the DVD Player'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 or 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) DVD

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. When this choice is made, this unit passes each type of signal through without any further processing.

Check the documentation for your amplifier to verify its capabilities.

Dynamic Range Control (DRC) DVD DivX

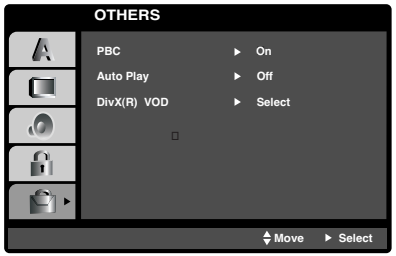
With the DVD format, you can hear a program's soundtrack in the most accurate and realistic presentation possible, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones). This allows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

Vocal DVD

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

OTHERS

The PBC, Auto Play, B.L.E. and DivX(R) VOD settings can be changed.



PBC VCD

Set Playback Control (PBC) to On or Off.

On: Video CDs with PBC are played according to the PBC.

Off: Video CDs with PBC are played the same way as Audio CDs.

Auto Play DVD

You can set up the DVD Player so a DVD disc automatically starts playing whenever the DVD is inserted.
If Auto Play mode is set to On, this DVD player will search for title that has the longest playback time and then play back the title automatically.

On: Auto Play function is active.

Off: Auto Play function is not active.

NOTE
The Auto Play function may not work for some DVDs.

DivX(R) VOD DivX

You can display the DivX DRM (Digital Rights Management) Registration code for your unit only.

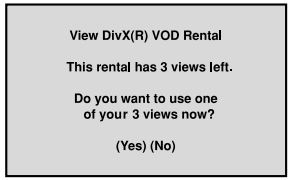


The Registration code is used for VOD (Video-On-Demand) service agent. You can purchase or rent an encrypt movie file.

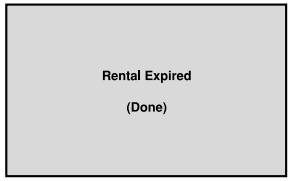
NOTES

If you rent the DivX VOD file, it has several options of viewing limits as shown below.

- Display the number which you can watch the file.



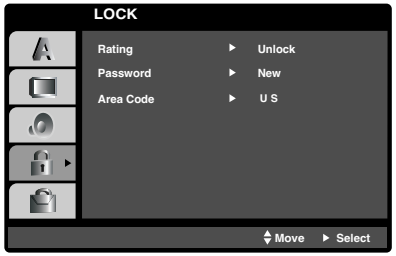
- The rental has been expired.



- Display the authorization error.



LOCK (Parental Control)



Rating DVD

Some movies contain scenes that may not be suitable for children to view. Many of these discs contain parental control information that applies to the complete disc or to certain scenes on the disc. Movies and scenes are rated from 1 to 8, depending on the country. Some discs offer more suitable scenes as an alternative.

The parental control feature allows you to block access to scenes below the rating you input, thereby preventing your children from being able to view material you believe is unsuitable.

1. Select “Rating” on the LOCK menu then press ►.
2. To access the Rating, Password and Area Code features, you must input the 4-digit security code you created. If you have not yet entered a security code you are prompted to do so.

   Input a 4-digit code 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.

NOTE
If you set a rating for the player, all disc scenes with the same rating or lower are played. Higher rated scenes are not played unless an alternate scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback stops. You must enter the 4-digit password or change the rating level in order to play the disc.

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

Password (Security Code)

You can enter or change password.

1. Select Password on the LOCK menu then press ►.
2. Follow step 2 as shown left (Rating). “Change” or “New” is highlighted.
3. Enter the new 4-digit code, then press ENTER. Input it again to verify.
4. Press SETUP to exit the menu.

If you forget your Security Code

If you forget your security code 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 security code is cleared.
3. Enter a new code as described above.

Area Code DVD

Enter the code of the area whose standards were used to rate the DVD video disc, based on the list in the reference chapter.

1. Select “Area Code” on the LOCK menu then press ►.
2. Follow 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.

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

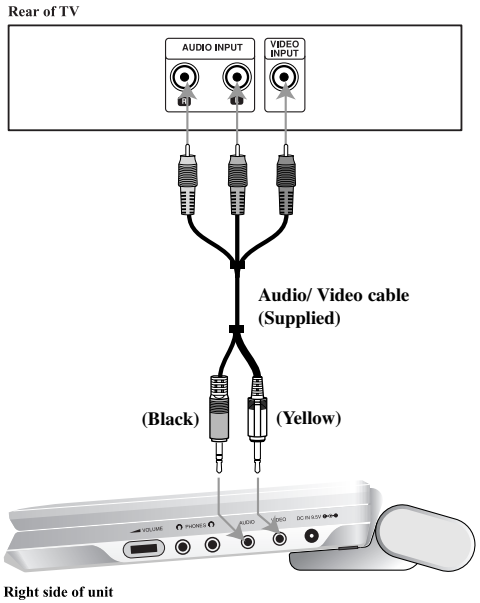
Depending on your TV and other equipment there are various ways you can connect the player. Please refer to the manuals of your TV, stereo system or other devices as necessary for additional connection information.

Video and Audio Connections to Your TV

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

Video:
Connect the VIDEO OUT jack on the DVD player to the video in jack on the TV using the video cable.

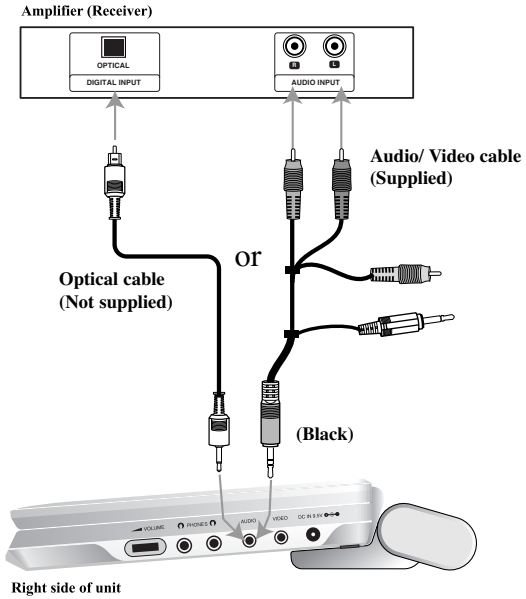
Audio Connection to Your TV:
Connect the AUDIO OUT jacks of the DVD Player to the audio left and right IN jacks on the TV using the audio cables. Do not connect the DVD Player's AUDIO OUT jack to the phone in jack (record deck) of your audio system.



You must set the A/V IN/OUT switch to the "A/V OUT" mode

Audio Connection to Optional Equipment

Connect the DVD player to your optional equipment for audio output.



You must set the A/V IN/OUT switch to the "A/V OUT" mode

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

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 DVD Player's DIGITAL AUDIO OUT jack to the corresponding in jack on your amplifier. Use an optional digital 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 DVD player 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.
- To see the audio format of the current DVD in the on-screen display, press AUDIO.

Troubleshooting

Symptom	Cause	Correction
No power.	• The power cord is disconnected.	• Plug the power cord into the wall outlet securely.
	• The battery is discharged.	• Recharge the battery.
No picture on the LCD or TV (including video from another unit).	• The video cable is not connected securely.	• Connect the video cable into the jacks securely.
	• The A/V IN/OUT switch is not set correctly.	• Set the A/V IN/OUT switch correctly. - While you are playing a disc, set the A/V IN/OUT switch to OUT mode - While you are viewing video from other equipment, set the A/V IN/OUT switch to In mode.
	• LCD mode is set to OFF.	• Select a LCD mode other than OFF.
	• Check that Brightness control is set to "–".	• Adjust the brightness.
	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV so the picture from the DVD player appears on the screen.
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 DVD player.
	• The audio cables are not connected securely.	• Connect the audio cable into the jacks securely.
The DVD player does not start playback.	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type, color system and Regional code.)
	• The Rating level is set.	• Cancel the Rating function or change the rating level.
No response when buttons are pressed.	• Some discs prohibit certain operations.	• " ⃠ " may appear on the screen during operation.
The remote control does not work properly.	• The remote control is too far from the DVD player.	• Operate the remote control within about 23 ft (7 m).

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	8381	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	8386
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	Scots Gaelic	7168	Wolof	8779
English	6978	Kurdish	7585	Serbian	8382	Xhosa	8872
Esperanto	6979	Laothian	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	Islands	HM	Netherlands Antilles	AN	Sri Lanka	LK
Canada	CA	Hungary	HU	New Zealand	NZ	Sweden	SE
Chile	CL	India	IN	Nigeria	NG	Switzerland	CH
China	CN	Indonesia	ID	Norway	NO	Thailand	TH
Colombia	CO	Israel	IL	Oman	OM	Turkey	TR
Congo	CG	Italy	IT	Pakistan	PK	Uganda	UG
Costa Rica	CR	Jamaica	JM	Panama	PA	Ukraine	UA
Croatia	HR	Japan	JP	Paraguay	PY	United States	US
Czech Republic	CZ	Kenya	KE	Philippines	PH	Uruguay	UY
Denmark	DK	Kuwait	KW	Poland	PL	Uzbekistan	UZ
Ecuador	EC	Libya	LY	Portugal	PT	Vietnam	VN
Egypt	EG	Luxembourg	LU	Romania	RO	Zimbabwe	ZW
El Salvador	SV			Russian Federation	RU		

Specifications

DVD Player

Power supply:
DC 9.5V (AC adapter terminal), DC 7.4V (Battery)

Power consumption: 15W with battery

Weight: 1.46 lbs (0.66 kg) (without battery pack)

External dimensions (W x H x D):
7.5 x 1.1 x 6.3 inches (190 x 28 x 159.5 mm)

Signal system: PAL

Laser:
DVD Laser wavelength 662+25 / 662-15 nm
CD Laser wavelength 785+25 / 785-15 nm

Frequency range (audio):
DVD linear sound: 48kHz sampling 8 Hz to 20 kHz
96kHz sampling 8 Hz to 44 kHz

Signal-to-noise ratio (audio): More than 95 dB

Dynamic range (audio): More than 95 dB

Harmonic distortion (audio): 0.008 %

Operating conditions:
Temperature: 5°C to 35°C, Operation status: Horizontal

Connectors

Video input/output (VIDEO In/Out):
1.0 V (p-p), 75 Ω, negative sync., ø3.5mm mini jack x 1

Audio input/output (AUDIO In/Out, analog audio):
2.0 Vrms(1 KHz, 0 dB), ø3.5mm mini jack x 1

Earphone terminal: ø3.5mm stereo mini jack x 2

Liquid Crystal Display

Panel size: 7 inches wide (diagonal)

Projection system: Y/C stripe

Driving system: TFT active matrix

Resolution: 234 x 480 x 3 (effective pixel rate: more than 99.99%)

Supplied Accessories

- RCA Audio/Video cable 1
- AC Adapter (DP-AC90) 1
- Automotive Adapter (DP-CA90) 1
- Battery Pack (DP-BS930) 1
- Remote control 1
- Battery for Remote control (Lithium Battery) 1

● Design and specifications are subject to change without notice.

Technology with the human touch

GUARANTEE

- LG Electronics U.K. Ltd. will provide the following services in order to expedite this Guarantee.

1. All faulty components which fail due to defective manufacture will be replaced free of charge for a period of 12 months from the original date of purchase.
2. The dealer (or his service agent) who sold the product will be reimbursed for any labour provided in the repair of this LG equipment, for a period of 12 months from the original date of purchase. These claims must be made in accordance with the published scale of service charges and relevant claims procedure.

PLEASE NOTE:

A. The dealer may restrict the guarantee to the original purchaser.
B. The dealer is not obliged to carry out service under guarantee if unauthorized modifications are made to the apparatus, or if non standard components are used or if the serial number of the apparatus is removed, defaced, misused, or altered.
C. Any claims made under guarantee must be directed to the dealer from whom the equipment was originally purchased. The dealer may, before carrying out service under guarantee, require a receipted account as evidence of the date of purchase.
D. We respectfully point out that your dealer is not obligated to replace batteries if they become exhausted or worn in use.
E. Aerial alignment and consumer control adjustments are not covered by this guarantee.

This guarantee does not affect your statutory rights.

- REQUIREMENTS TO MAINTAIN WARRANTY COVERAGE:

RETAIN YOUR RECEIPT TO PROVE DATE OF PURCHASE. A COPY OF YOUR RECEIPT MUST BE SURRENDERED AT THE TIME GUARANTEE SERVICE IS PROVED.

- Product Registration Card : It is helpful to complete at least your name, address, phone, model & serial numbers and return it. This will enable LG to assist you in the future should you lose your receipt, your units be stolen, or should modifications be necessary.

- To obtain information or assistance: Call 0870 873 5454 Monday-Friday 9.00am-4.30pm

MODEL NO.*	SERIAL NO.*	DATE OF PURCHASE.*

* Please complete for your own record

In all cases of difficulty - consult your LG dealer from whom the product was purchased