LG

PORTABLE DVD PLAYER

OWNER'S MANUAL

MODEL: DP5932P

Money Isn't All You're Saving

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

afe

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION: THIS DVD RECEIVER EMPLOYS A LASER SYSTEM.
TO ENSURE PROPER USE OF THIS PRODUCT, PLEASE READ THIS OWNER'S MANUAL CAREFULLY AND RETAIN FOR FUTURE REFERENCE, SHOULD THE UNIT REQUIRE MAINTENANCE, CONTACT AN AUTHORIZED SERVICE LOCATION-SEE SERVICE PROCEDURE.
USE OF CONTROLS, ADJUSTMENTS OR THE PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED 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 THE ENCLOSURE. DO NOT STARE INTO BEAM.
THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

WARNING: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

RECORD YOUR MODEL NUMBER (Now, while you can see it)

The model and serial number of your new DVD player are located on the bottom of the DVD player cabinet. For your future convenience, we suggest that you record these numbers here:

MODEL NO._____ SERIAL NO._____

Table of Contents

Introductions
- ❑ Safety Precautions 2
- ❑ Table of Contents 3
- ❑ Precautions 4-5
- ❑ Notes on Discs 6
- ❑ Identification of Controls 7-12
  - Main Unit 7-8
  - Rear View 9
  - Display Window 10
  - Remote Control 11-12
- ❑ Power Connections 13-16
  - AC Adapter 13
  - Automative Adapter 14
  - Battery Pack 15-16

Basic Operations
- ❑ Playing a Disc 17-22
  - Basic Playback 17-19
  - Resume Play 20
  - Last Condition Memory 20
  - Stopping Play 20
  - Screen Saver 20
  - Still Picture 21
  - Frame Advance 21
  - Skipping Chapters and Tracks Forward or Back 21
  - To Scan at Fast Forward or Fast Reverse Playback 22
  - Playing in Slow-Motion 22

Operation Using GUI Menu Icons
- ❑ General Information about GUI Menu Icons 23
- ❑ Detailed Description of each GUI Menu Icon 24-25

Advanced Operations
- ❑ Using a Title Menu 26
- ❑ Using a DVD Menu 26
- ❑ Changing Subtitle Language 27
- ❑ Changing Audio Soundtrack Language 28
- ❑ Viewing from another Angle 29
- ❑ Producing a 3D Surround Effect 30
- ❑ Repeat Play 31-32
- ❑ Storing Markers in Memory to be Viewed (Listened to) again . .33
- ❑ Zoom Feature 34
- ❑ Random Play 34
- ❑ Operation with Audio CD and MP3/WMA Disc 35-38
- ❑ Program Play 39-40
- ❑ Operation with JPEG Disc 41-42

Initial Settings
- ❑ Selection of Initial Settings 43
- ❑ Selecting Disc Language 44
- ❑ Selecting Rating Level 45
- ❑ Selecting Country Code 46
- ❑ Selecting TV Aspect 47
- ❑ Selecting Menu Language 48
- ❑ Selecting Digital Audio Output 49-50
- ❑ Others 51-52
- ❑ Table of Languages and their Code Numbers 53
- ❑ Country Code List 54-55

Connections
- ❑ Connecting to a TV 56
- ❑ Connecting to an amplifier equipped with a Dolby Digital decoder .57
- ❑ Connecting to an amplifier equipped with a Dolby Pro Logic Surround 58
- ❑ Connecting to an amplifier equipped with a DTS decoder . . .59
- ❑ Connecting to an amplifier equipped with a digital audio input . .60

Reference
- ❑ Disc Requirements 61
- ❑ Copyright Information 62
- ❑ Before Calling Service Personnel 63-65
- ❑ Specifications 66-67

Notes on handling

- When shipping the DVD player, always use the original shipping carton and packing materials.
  For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the DVD player. Do not leave rubber or plastic products in contact with the DVD player for a long time. They will leave marks on the finish.
- The top and rear panels of the DVD player may become warm after a long period of use. This is normal and not a malfunction.
- When the DVD player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the DVD player for a long period, the unit may not function properly in the future. Turn on and use the DVD player occasionally.

Notes on Locating

When you place this DVD player near a TV, Radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, move the DVD player away from the TV, Radio, or VCR.

Notes on Cleaning

Use a soft, dry cloth for cleaning.

- For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe it dry. Do not use any type of solvent, such as thinner and benzine, as they may damage the surface of the DVD player.
- If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

Warning: Cleaning and adjustment of lenses and/or other components of playback mechanism should be performed by a qualified service technician.

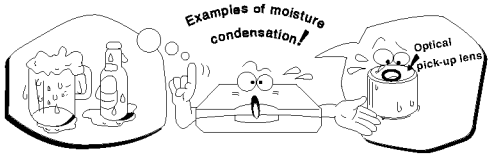
To Obtain a Clear Picture

The DVD player is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality becomes poor. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

Notes on Moisture Condensation

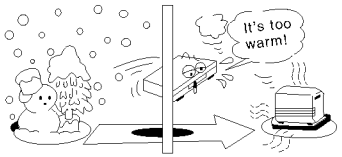
Moisture condensation damages the DVD player. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the DVD player.

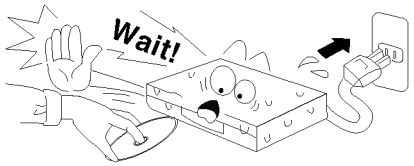


Moisture condensation occurs during the following cases.

- When you bring the DVD player directly from a cold place to a warm place.
- When you use the DVD player in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the DVD player in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the DVD player in a humid place.



Do not use the DVD player when moisture condensation may occur. If you use the DVD player in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the DVD player to the wall outlet, turn on the DVD player and leave it "ON" for two or three hours. After two or three hours, the DVD player will have warmed up and evaporated any moisture. Keep the DVD player connected to the wall outlet and moisture condensation will seldom occur.



This section shows you how to handle, clean, and store discs.

On Handling Discs

- Do not touch the playback side of the disc.

- Do not attach paper or tape to discs.

On Storing Discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

On Cleaning Discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outward with a soft cloth. Always keep the disc clean.
- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvents such as thinner, benzine, commercially available cleaners or anti-static spray for vinyl LPs. They may damage the disc.

About This Owner's Manual

- This owner's manual explains the basic instructions of this DVD player.
- Some DVD video discs have functions that may not be explained in this owner's manual. Therefore, some instructions may differ from this owner's manual, and there may be extra instructions. In this case, follow the instructions displayed on the TV screen or package.
- " ⊘ " may appear on the TV screen during operation. This icon means the function explained in this owner's manual is not available on that specific DVD video disc.

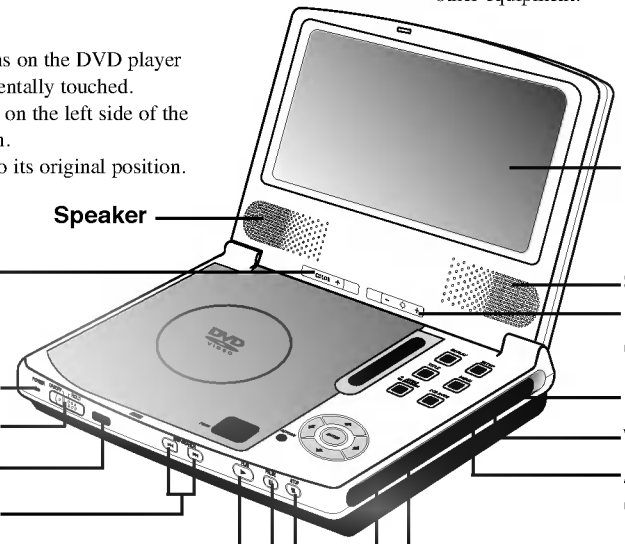
Main Unit

*** AV In/Out switch

AV Out mode: While you are playing a disc.
AV In mode: While you are viewing video from other equipment.

** HOLD switch

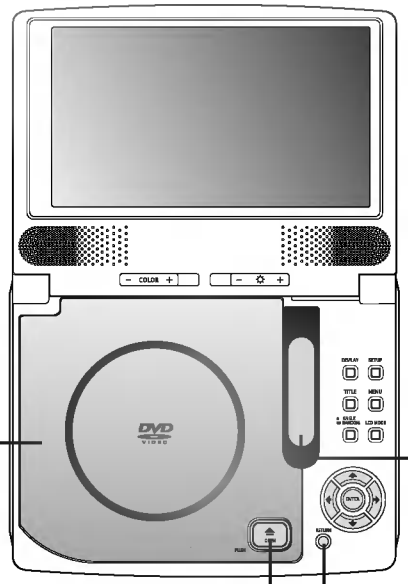
- The hold function locks the buttons on the DVD player so that they will not work if accidentally touched.
- To enable, slide the HOLD switch on the left side of the DVD player to the HOLD position.
- To disable, slide the switch back to its original position.



* SKIP/SEARCH buttons

Press and hold button for about two seconds for search function.

Main Unit



- **DISPLAY** : operation mode display.
- **SETUP** : enter setup mode.
- **TITLE** : displays the title menu.
- **MENU** : displays menu programs.
- **ANGLE(●)/RANDOM(▬)** :
  Press for angle function.
  Press and hold for random function.
- **LCD MODE** :select the LCD mode
  NORMAL → FULL → ZOOM → OFF

Disc Lid

Display Window
see details on 10 page.

- **ARROW buttons**
- **ENTER button**

OPEN button
Push this button to open the Disc lid.

RETURN button

NOTE

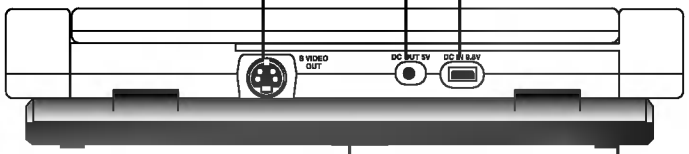
Place a disc with the playback side down on the spindle, and push gently on the center of the disc so it goes into position.

Rear View

DC OUT 5V
Connect to the TV TUNER UNIT's power (Optional).

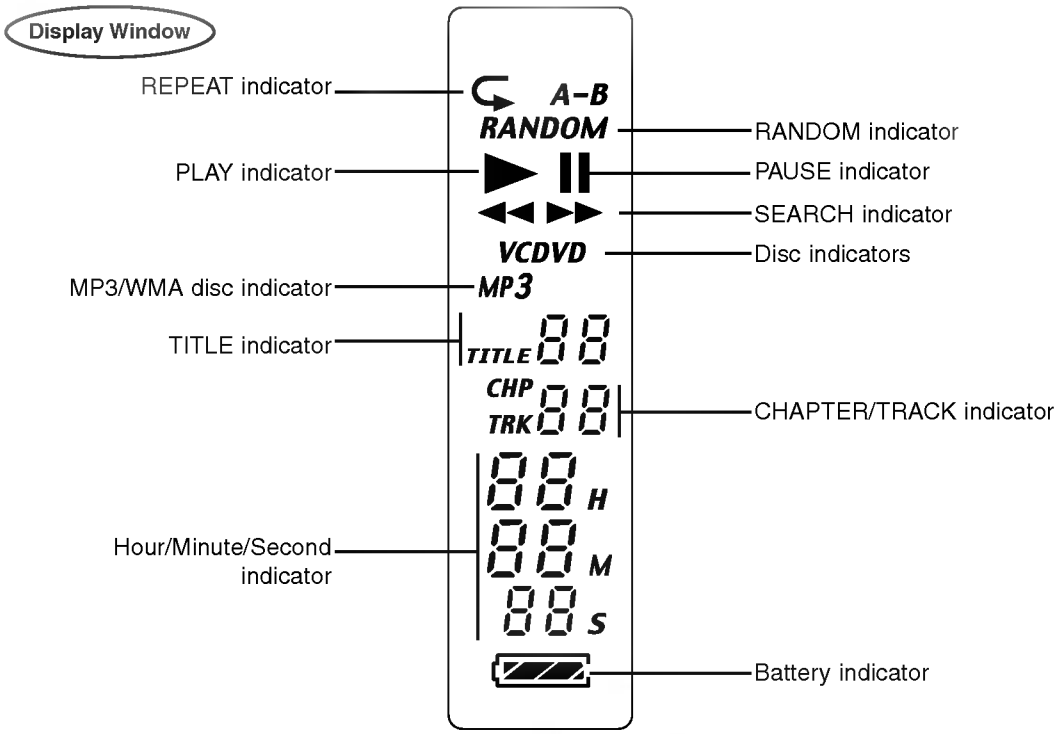
S-VIDEO OUT jack

DC IN 9.8V
Connect the AC adapter.

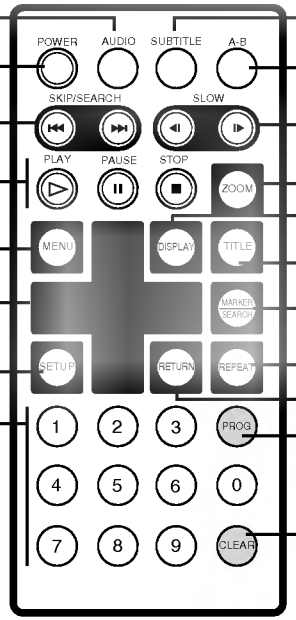


Battery Pack

Battery Release switch


Display Window
REPEAT indicator
A-B
RANDOM
RANDOM indicator
PLAY indicator
PAUSE indicator
SEARCH indicator
VCDVD
Disc indicators
MP3/WMA disc indicator
MP3
TITLE indicator
TITLE
CHP
TRK
CHAPTER/TRACK indicator
Hour/Minute/Second indicator
H
M
S
Battery indicator

Remote Control



AUDIO button

POWER button

SKIP/SEARCH buttons

PLAY, PAUSE, STOP buttons

**MENU button

***Arrow buttons/ENTER button

SETUP button

NUMBER buttons

SUBTITLE button

A-B button

SLOW buttons

ZOOM button

DISPLAY button

*TITLE button

MARKER/SEARCH button

REPEAT button

RETURN button

PROGRAM button

CLEAR button

****MENU button**

Use the MENU button to display the menu screen included on a DVD disc. To operate a menu screen, follow the instructions in “Using a DVD Menu” (page 26).

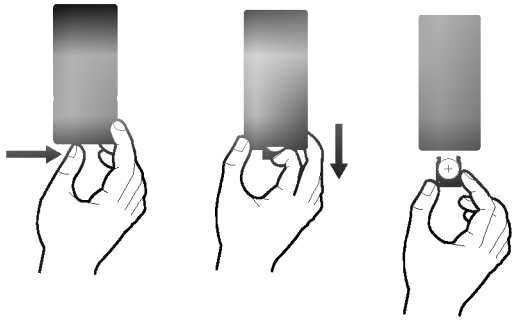
*****Arrow buttons**

(up, down, left, right) for use in high-lighting a selection on a GUI menu screen, TITLE and MENU screen.

***TITLE button**

Use the TITLE button to display the title screen included on DVD video discs. To operate a menu screen, follow the instructions in “Using a Title Menu” (page 26)

Insert the battery (Lithium battery)



- 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)

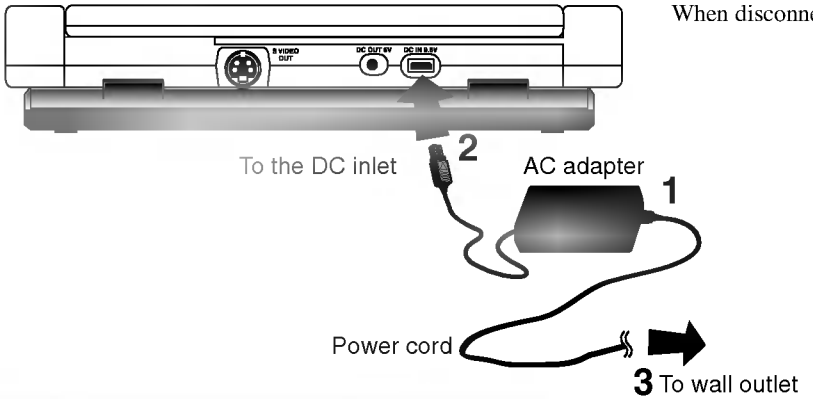
1. Pinch the battery holder clip together then pull the tab to remove the battery holder.
2. Insert the battery with the + facing in the same direction as the + on the battery holder.
3. Replace the battery holder with battery into the remote control unit making sure that it is fully inserted.

- Replace remote control unit battery with 3V micro lithium cells such as CR2025 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.

AC Adapter

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



AC adapter

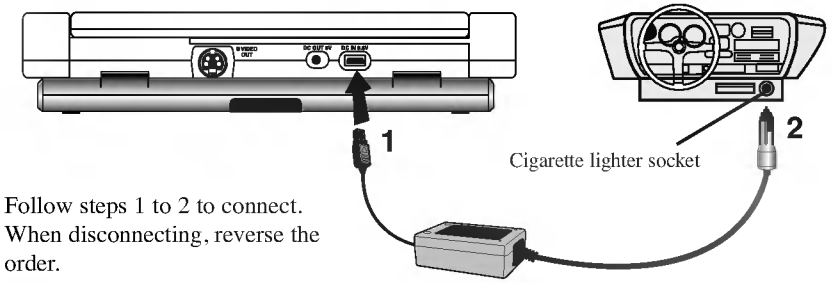
- This AC adapter operates on 100-240V~ 1.5A 50-60Hz.
- TYPE NO. : (DP-AD50/AD-DP40)
- Manufactured by POWERNET
- Contact an electrical parts distributor for assistance in selecting a suitable AC plug adapter or AC cord set.

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.

Automotive Adapter

This DVD player and its automotive adapter are designed for use in vehicles that have 14-24 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.

Automotive adapter

- This automotive adapter operates on DC 14-24V.
- TYPE NO. : SW-30LG
- Manufactured by SUNG WON
- Contact an electrical parts distributor for assistance in selecting a suitable automotive adapter.

Caution

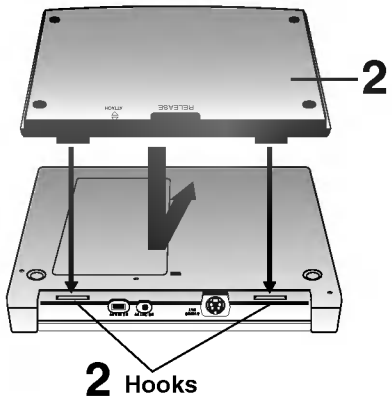
- To prevent electrical shock and possible damage to your DVD player or vehicle, always unplug the automotive adapter from the cigarette lighter socket before you remove the plug from your DVD player.
- A 5 amp. 250V fuse for protection is installed in the automotive adapter.
- While the engine is being 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.

Battery Pack

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

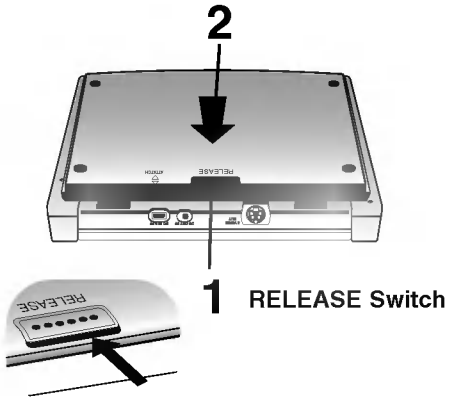
■ Attaching the battery pack

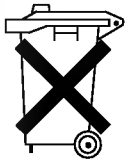
1. Match the hooks of the battery pack into the holes on the rear of the player.
2. Press and slide the battery pack until the hooks click.



■ Detaching the battery pack

1. Press **RELEASE** switch
2. Slide the battery pack until the hooks click.



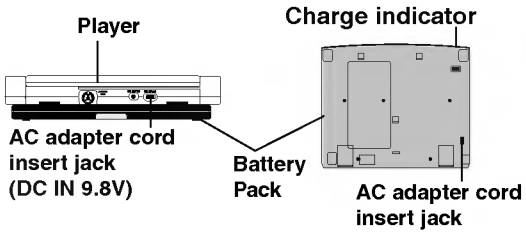


ATTENTION

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.

■ Charging the battery pack

1. Attach the battery pack to the player.
2. Connect the supplied AC adapter and the power cord to the player. Or,.
   Connect the AC adapter cord to the battery pack.
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.

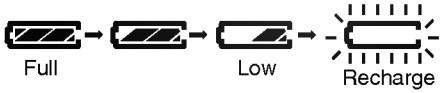
■ Recharging and play times

Recharging		Play time	
without player	with player	LCD On	LCD Off
Approx. 3 hour	Approx. 5.5 hours	Approx. 4 hours*	Approx. 7 hours

* When Brightness control is set to "–".

- Times shown above depend on operating conditions.

■ Confirm the battery charge on the unit's display window



- 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

- TYPE NO. : DP-BT50S
- Manufactured by Smart Mobile Communication

Basic Playback

- **Prepare the power supply.**

1. Open the outer cover and slide the ON/OFF switch to the left to turn unit on.
Power indicator lights and then the indicator will disappear after 5 seconds.

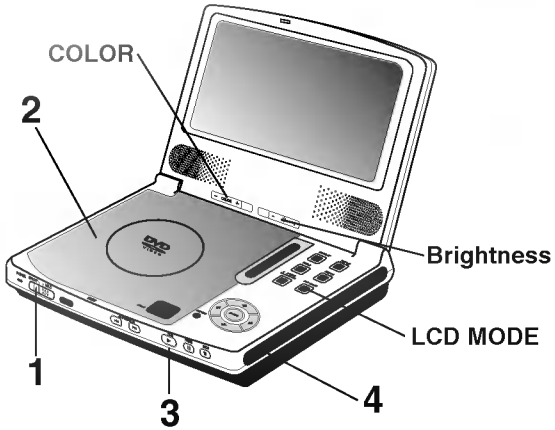
2. Press OPEN to open the disc lid and insert a disc with the side you want to play label up. Close the disc lid by hand.
- If the disc is placed in upside down (and it is a single-sided disc), "NO DISC" or "DISC ERROR" appears on the TV screen.
- If you insert an audio CD, the CD indicator lights up in the display window. The title number does not appear.
- After playing back all of the chapters in the title, the DVD player automatically stops and returns to the menu screen.

3. Press PLAY to start play.

4. 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.
- If no picture on the LCD, check that the AV in/Out switch is set to AV Out mode.



■ Adjusting color intensity
Use the COLOR slide switch –/+ to adjust the color shade.
– ; black and white
+ ; color
- Power consumption increases with the level of color.

■ Adjusting the brightness
Use the BRIGHTNESS slide switch –/+ to adjust the brightness.
– ; dark
+ ; light

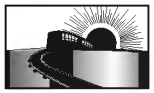
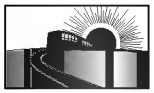
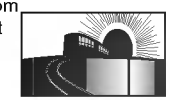
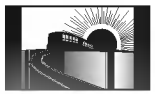
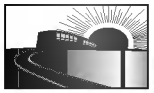
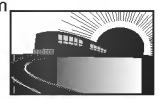
Changing the size of the picture

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

NORMAL → FULL → ZOOM → OFF

The picture mode and size

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

Mode / Software	NORMAL	FULL	ZOOM	OFF
Wide-screen	Full screen 	Full screen 	Top and bottom edges are cut off. 	OFF
Regular (4:3)	Screen with blackbands on the right and left 	The normal mode screen is horizontally enlarged. 	Top and bottom edges of the full mode screen are cut off. 	OFF
Regular (4:3), Letterbox	The picture is surrounded by a black frame.	The normal mode screen is horizontally enlarged.	Full screen	OFF

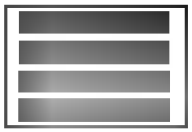
NOTES

- 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.

■ **When a menu screen appears on the TV screen.**
In case of interactive DVDs with control, a menu screen appears on the TV screen.

Example of interactive DVD On-Screen Menu

Press ▲▼◄ ► and press ENTER, or press the numeric button(s), to select the desired item.



OR

Play of the selected item now begins.

- For further information, also refer to the jacket or case of the disc you are playing.

After operation
When the unit is not in use, remove the disc and press POWER to turn off the DVD player.

Video CD
This contains recordings of pictures and sound whose quality is on a par with that of video tape. This player also supports Video CDs with playback control (Version 2.0).

What is playback control (PBC)?
If a Video CD has "playback control" written on its disc or jacket, it means that particular scenes or information can be selected for viewing interactively with the TV monitor using the menu screen.

NOTES

- When " ⃠ " appears on the TV screen while a button is pressed, it means that this function is not available on the disc you are playing.
- Depending on the DVD disc, some operations may be different or restricted. Refer to the jacket or case of the disc you are playing.

■ 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.

- This operation works only with discs for which the elapsed playing time appears in the display window during stop.
- Resume function will be cleared when the STOP is pressed in the STOP mode.
- The Resume function may not be available on some DVD discs or Video CDs (version 2.0).

■ Last Condition Memory

This player memorizes the user settings for the last disc that you have viewed. Settings remain in memory even if you remove the disc from the player or switch off the player. If you load a disc that has its settings memorized, the latest stop position is automatically recalled.

- 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.

■ Stopping Play

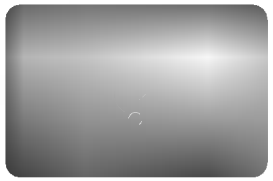
Press STOP during playback.

■ Screen Saver

The screen saver is useful to prevent your display from becoming damaged.
The screen saver picture appears when you leave the DVD player in stop mode for about 5 minutes.

Automatic power off function

After the Screen Saver has been engaged for about 5 minutes, the DVD player will automatically turn itself off.



Screen Saver

■ Still picture

Press PAUSE during playback.

- DVD/Video CD
  The player will be placed in the still picture mode.
- CD
  The player will be placed in the pause mode.

■ Frame Advance (DVD and Video CD only)

Press PAUSE during still playback.

(Each time you press PAUSE, the picture advances one frame)

To resume normal playback, press PLAY.

■ Skipping Chapters and Tracks Forward or Back

Skipping forward

Press SKIP ⏭ during playback.

A chapter (DVD) or a track (CD/Video CD) is skipped each time the button is pressed.

Skipping back

Press SKIP ⏮ during playback.

- When the button is pressed once midway through a chapter/track, the player returns to the start of that chapter/track. When it is pressed again, a chapter/track is skipped each time the button is pressed.

For your reference:

- When ⏮ **SKIP** ⏭ is pressed during menu play of video CDs equipped with PBC (Version 2.0), a menu screen may sometimes be recalled.

To Scan at Fast Forward or Fast Reverse Playback

Press and hold SKIP/SEARCH ⏮ or ⏭ button for about two seconds during playback.

- The speed of advance (reverse) is relatively slow at first. When the button is pressed again, the speed becomes faster. (Each time the button is pressed, the speed increases up to 4 steps (DVD) or 3 steps (Video CD).)
- The speed will be retained even after the button is released.

To return to normal playback, press PLAY.

NOTE

- The DVD player does not play back sound during the high speed reverse and forward playback of DVD video discs.
  However, the DVD player plays back sound during fast forward or fast reverse playback of audio CDs.

Playing in Slow-Motion (DVD and Video CD only)

Press SLOW ◀❙ or ❙▶ during playback.
The playback speed becomes 1/16 of the normal speed.

- The speed of slow-motion is slow at first. When the button is pressed again, the speed becomes faster. (Each time the button is pressed, the speed increase up to 4 steps.)
- The speed will be retained even after the button is released.

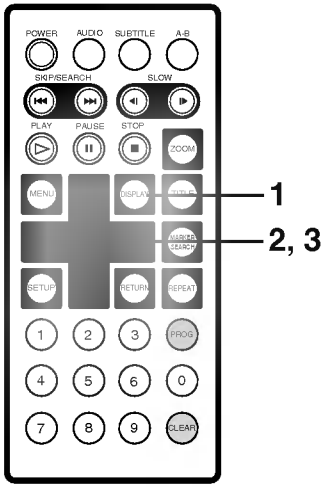
To return to normal playback, press PLAY.

NOTES

- The sound is muted during slow-motion playback.
- Subtitles do not appear on the screen during slow motion playback.
- The reverse slow does not work with Video CD.

This unit features GUI Menu Icons showing disc information (title/chapter/track number, elapsed playing time, audio/subtitle language, angle, and sound) and player information (repeat play, play mode, marker, etc.). Some icons only show the indicated information. Other icons allow the settings to be changed.

* GUI: Graphic User Interface



Common procedures

1. Press DISPLAY during playback.
Title function can be accessed from the stop mode.

2. Press ▲/▼ to select the desired item.
The current selected item is indicated by a yellow frame on its GUI menu icons.

3. Press ◀/▶ to select the desired setting.

- When numbers are displayed (e.g. title number), the numeric buttons can also be used for setting instead of ◀/▶.
- For some functions, the setting will be registered immediately; for others, ENTER must be pressed.

To clear the GUI Menu Icons, press DISPLAY again.

Examples of GUI Menu Icons.
(The screens may differ depending on the disc contents.)

(DVD GUI)

(Video CD GUI)

(Video CD (Version 2.0))

You can view information about a disc and its operational status on the TV screen.

Press DISPLAY during playback. [TV screen] DVD GUI	FUNCTION (Press ▲/▼ to select desired item)	SELECTION METHOD
1 /3	**Shows the current title number and total number of titles, and** skips to the desired title number.	◄/►, or Numeric ENTER
	Shows the current chapter number and total number of chapters, and skips to the desired chapter number.	◄/►, or Numeric ENTER SKIP
0:20:09	**Shows the elapsed playing time, and** searches the point by the elapsed time directly.	Numeric ENTER
1 ENG DD 5.1 CH	**Shows the current audio soundtrack language, encoding method, and channel number, and** changes the setting.	◄/►, AUDIO
OFF	**Shows the current subtitles language, and** changes the setting.	◄/►, SUBTITLE
1 /1	**Shows the current angle number and total number of angles, and** changes the angle number.	◄/►, ANGLE
NORM.	**Shows the current sound mode, and** changes the setting.	◄/►

Press DISPLAY during playback. [TV screen] **Video CD GUI**	FUNCTION (Press ▲/▼ to select desired item)	SELECTION METHOD
1 /4	**Shows the current track number, total number of tracks and PBC On mode, and** skip to the desired track number.	◄/►, or Numeric ENTER SKIP
0:20:09	**Shows the elapsed playing time (Display only)**	———
STER.	**Shows the audio channel, and** changes the audio channel.	◄/►, AUDIO
NORM.	**Shows the current sound mode, and** changes the setting.	◄/►

NOTE

- Some DVD discs may not provide all of the above GUI menu icons.

Using a Title Menu

Some movie discs may contain two or more titles. If the disc has a title menu recorded on it, the TITLE button can be used to select the movie title. (The details of operation differ depending on the disc used.)

- Selecting a title may not be possible on certain DVD discs.

1. Press TITLE.

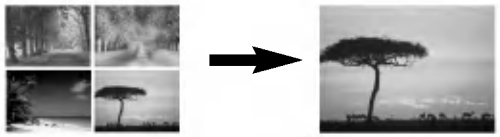
A list of the titles on the disc is displayed.

Press TITLE again to resume play from the scene when TITLE was first pressed.

- Resume play may not be possible on certain discs.

2. Press ▲▼◄ ► and press ENTER or PLAY, or press the numeric button(s), to select desired title.

The selected title now starts playing.



Using a DVD Menu

Some DVDs have unique menu structures called DVD menus. For example, DVDs programmed with complex contents provide guide menus, and those recorded with various languages provide menus for audio and subtitle language. Although the DVD menu's contents and operation differ from disc to disc, the following explains the basic operation when this feature is used.

1. Press MENU during play.

The DVD menu available on the disc is now displayed.

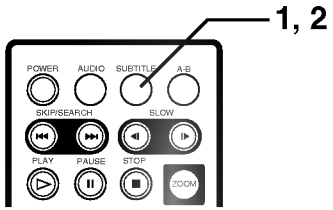
Pressing MENU again resumes play from the scene when MENU was first pressed.

- Resume play may not be possible on certain discs.

2. Press ▲▼◄ ► and press ENTER, or press the numeric button(s), to select desired item.

The selected item is now executed.

It is possible to change the subtitle language to a different language from the one selected at the initial settings. (See page 44 for further info.)
This operation works only with discs on which multiple subtitle languages are recorded.



NOTES

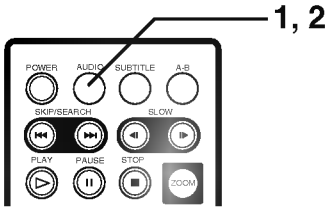
- In some cases, the subtitle language is not changed to the selected one immediately.
- When a disc supporting the closed caption is played, the subtitle and the closed caption may overlap each other on the TV screen. In this case, turn the subtitle off.
- When the desired language is not selected even after pressing the button several times, it means that the language is not available on the disc.
- When the power is turned on or the disc is removed, subtitles appear in the language selected at the initial settings. If this language is not recorded on the disc, the disc's priority language appears.

1. Press SUBTITLE during playback.
When no subtitles are recorded, "OFF" will be displayed instead of the language number.

2. Press SUBTITLE repeatedly until the desired language is selected.
Number of the subtitle language being played back is shown.

To eliminate the On Screen Subtitles.
Press SUBTITLE repeatedly to select OFF at step 2.

It is possible to change the audio soundtrack language (or encoding method, channel number) to a different language from the one selected at the initial settings in case of DVD disc. (See page 44 for further info.) This operation works only with discs on which multiple audio soundtrack languages are recorded.
And it is possible to change the audio channel in case of Video CD.



- When the desired language is not selected even after pressing the button several times, it means that the language is not available on the disc.
- When the power is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.
- Some discs may not respond to Audio feature.

• DVD

1. Press AUDIO during play.
Number of the audio soundtrack language being played back.

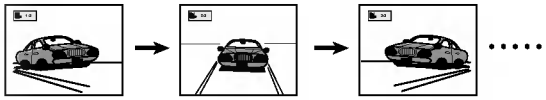
2. Press AUDIO repeatedly until the desired language (or encoding method, channel number) is selected.

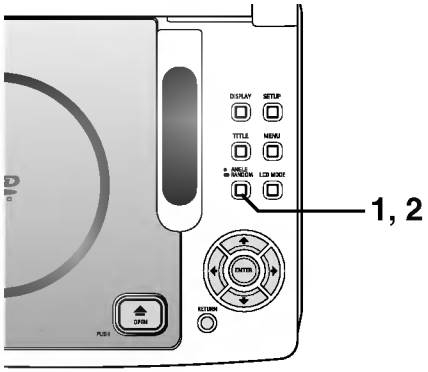
• Video CD

1. Press AUDIO during play.

2. Press AUDIO repeatedly until the desired sound is selected.

Some DVDs may contain scenes which have been shot simultaneously from a number of different angles. For these discs, the same scene can be viewed from each of these different angles using the ANGLE button. (The recorded angles differ depending on the disc used.)





1. Press ANGLE during playback.

Number of angle being played back.

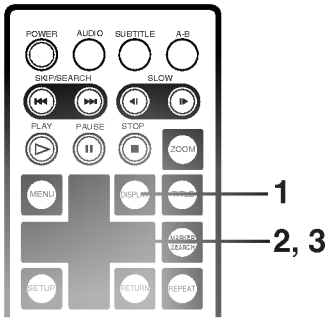
2. Press ANGLE repeatedly until the desired angle is selected.

For your reference

- The ANGLE indicator will blink on the TV screen at scenes recorded at different angles to indicate that angle switching is possible.
- The angle number can be programmed beforehand; the angle will be switched to the selected number when the ANGLE indicator blinks.

- This function only works for discs having scenes recorded at different angles.

This unit can produce a 3D Surround effect, using 3D Surround Sound technology, which simulates multi-channel audio playback from two conventional stereo speakers instead of the five or more speakers normally required to listen to multi-channel audio from a home theater. This feature works with DVD discs encoded with Dolby Pro Logic and Dolby Digital audio tracks.



1. Press DISPLAY during playback.

2. Press ▲/▼ to select SOUND item.

3. Press ◀/▶ repeatedly until the desired sound is selected.

Each time this button is pressed, the TV screen display changes.

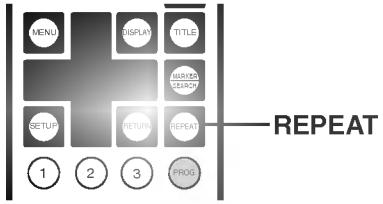
NOTES

- This 3D Surround effect may not be available on some DVD discs, such as those recorded with a mono audio soundtrack.
- Turn off the TV surround sound and other surround effects when using this 3D surround effect.
- For best 3D Surround effect using only two speakers, it is recommended that the two speakers be positioned approximately 2 m to 2.5 m apart, and that the listening position be 2 m to 2.5 m away from the speakers.

Repeating viewing (listening)

Press REPEAT during playback.

Each time this button is pressed, the TV screen changes as shown below and the disc will repeat a chapter or title (DVD) or a track (Video CD).

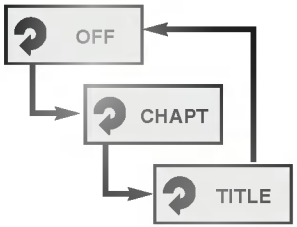


• DVD

Cancel repeat mode (normal play)

Repeat of chapter being played

Repeat of title being played

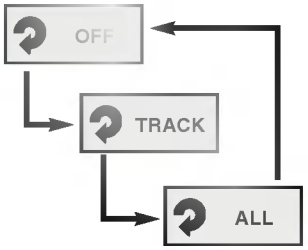


• Video CD

Cancel repeat mode (normal play)

Repeat of track being played

Repeat of entire disc contents



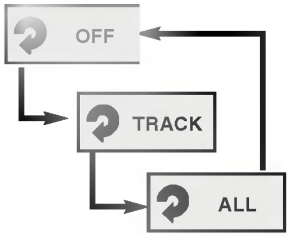
To enjoy program repeat play (Video CD)

If REPEAT is pressed during program play, repeat play is operated as below.

Cancel repeat mode (Program play)

Repeat of the current programmed track

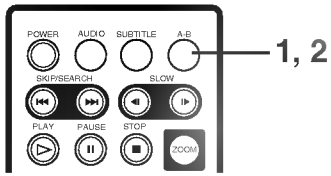
Repeat of all programs



To return to normal play

Press REPEAT several times until “OFF” is displayed.

Repeating sections between two specific points (A-B repeat)



- Repeat play works only with discs for which the elapsed playing time appears in the display window during playback.
- Repeat play may not work correctly with some DVDs and some Video CDs.
- A-B repeat play works only within a title DVD or a track Video CD.
- Some subtitles recorded around point A or B may fail to appear (DVD).

1. **Press A-B during playback at the point where repeat play is to start (A).**

- You can select "OFF" at this step by pressing CLEAR.

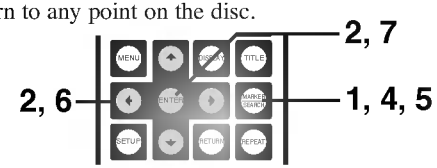
2. **Press A-B during playback at the point where repeat play is to be concluded (B).**

Repeat play of the selection between points A and B starts.

To return to normal playback

Press A-B once "OFF" is displayed.

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 TV.

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.

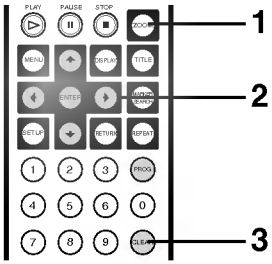
7. Press ENTER to recall a marker.
Press CLEAR to clear a marker.
Play resumes from the point corresponding to the selected marker, or the selected marker is cleared.

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 TV screen.

Zoom feature (DVD and Video CD only)

The Zoom function allows you to enlarge the video image and to move through the enlarged image.



1. **Press ZOOM during playback or still playback to activate the Zoom function.**
   If you further press ZOOM repeatedly, the magnification level increases (6 steps).
2. **Press ▲/▼/◄ /► buttons to move through the zoomed picture.**
3. **Press CLEAR to resume normal playback.**

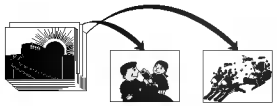
NOTES

- Some discs may not respond to the Zoom feature.
- Zoom does not work on subtitles or menus included on DVD video discs.

Random play (Karaoke DVD, Video CD)

Note: This function only works with karaoke DVD and Video CD. Random does not work with DVD movie discs.

You can playback titles or tracks in random order. (Random playback)
The DVD player automatically selects the titles on a DVD video karaoke disc only and plays them back randomly.



1. **Press and hold RANDOM on the main unit for about two seconds during normal playback or stop mode.**
   The DVD player automatically starts random playback and the RANDOM indicator in the display window appears.
2. **To resume normal playback, press and hold RANDOM on the main unit for about two seconds until the RANDOM indicator in the display window disappears.**

NOTES

- Random playback may not be possible on certain discs.
- If you press the SKIP ⏮ or ⏭ button during random playback, the DVD player goes to another track randomly and starts playback.

The DVD Player can play audio CDs. Also, the DVD Player can play MP3/WMA formatted recordings on CD-ROM, CD-R, or CD-RW discs. Before playing MP3/WMA recordings, read the notes on MP3/WMA Recordings on page 38.

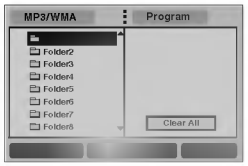
1. Insert a disc and close the tray.

Audio CD; Audio CD menu appears on the TV screen go to step 4.

MP3/WMA disc; The MP3/WMA-JPEG choice menu appears on the TV screen. Go to step 2

2. Press ▲/▼ to select the MP3/WMA then press ENTER.

The MP3/WMA menu appears on the TV screen.
Press RETURN to move to the MP3/WMA-JPEG choice menu.

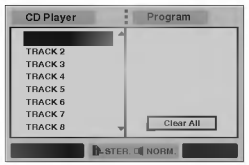


3. Press ▲/▼ to select a folder, and ENTER.

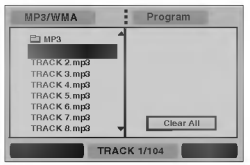
A list of files in the folder appears.

4. Press ▲/▼ to select a track then press PLAY or ENTER.

Playback starts.
During playback, the current track's elapsed playing time will appear on the display window and menu.
Playback will stop at the end of the disc.
Press TITLE to move to the next page.
Press MENU to move to the previous page.



Audio CD menu



MP3/WMA menu

If you are in a file list and want to return to the Folder list, use the ▲/▼ to highlight ▬ and press ENTER to return to the previous menu screen.

5. To stop playback at any other time, press STOP.

Pause

1 Press PAUSE/STEP during playback.

2 To return to playback, press PLAY or press PAUSE/STEP again.

Moving to another Track

- Press SKIP/SCAN ⏮ or ⏭ briefly during playback to go to the next track or to return to the beginning of the current track.
- Press SKIP/SCAN ⏮ twice briefly to step back to the previous track.
- In case of audio CD, to go directly to any track, enter the track number using the numbered buttons (0-9) during playback.

Repeat Track/All/Off

1 To repeat the track currently playing, press REPEAT. The Repeat icon and "TRACK" appears on the menu screen.

2 To repeat all tracks on a disc, press REPEAT a second time.
The Repeat icon and "ALL" appears on the menu screen.

3 To cancel Repeat mode, press REPEAT a third time. The Repeat icon and "OFF" appears on the menu screen.

Search

1 Press and hold SKIP/SCAN ⏮ or ⏭ for about two seconds during playback.
The player will now go into SEARCH mode.

2 Press and hold SKIP/SCAN ⏮ 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.

Random

1 Press RANDOM during playback or when playback is stopped.
The unit automatically begins Random Playback and RANDOM or "RAND." appears on the display window and menu screen.

2 To return to normal playback, press RANDOM repeatedly until RANDOM or "RAND." disappears on the display window and menu screen.

Repeat A-B

To repeat a sequence.

1 During disc playback, press A-B at your chosen starting point.
The Repeat icon and "A * " appears on the menu screen.

2 Press A-B again at your chosen end point.
The Repeat icon and "A B" appears 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.
The Repeat icon and "OFF" appears on the menu screen.

3D Surround

This unit can produce a 3D Surround effect, which simulates multi-channel audio playback from two conventional stereo speakers, instead of the five or more speakers normally required to listen to multi-channel audio from a home theater system.

1 Press DISPLAY during playback.

2 Press ◀/▶ to select SOUND item.

3. Press ▲/▼ repeatedly until the desired sound is selected.
Each time this button is pressed, the TV screen display changes.

Changing the Audio Channel

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

Notes on MP3/WMA Recordings

About MP3

- An MP3 file is audio data compressed by using the MPEG1 audio layer-3 file-coding scheme. We call files that have the ".mp3" file extension "MP3 files".
- The player can not read an MP3 file that has a file extension other than ".mp3".

About WMA(Window Media Audio)

- An WMA file is a Microsoft audio compression technology.
- WMA(Windows Media Audio) offers double the audio compression of the MP3 format.

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

1. Sampling Frequency / only at 44.1kHz (MP3), 22.05 - 44.1kHz (WMA)
2. Bit rate / within 32 - 320kbps (MP3), 32 - 128kbps (WMA)
3. CD-R physical format should be "ISO 9660"
4. If you record MP3/WMA files using the software which cannot create a FILE SYSTEM, for example "Direct-CD" etc., it is impossible to playback MP3/WMA files. We recommend that you use "Easy-CD Creator", which creates an ISO9660 file system.
5. A single session disc requires MP3/WMA files in the first track. If there is no MP3/WMA file in the 1st track, it cannot playback MP3/WMA files. If you wish to playback MP3/WMA files, format all the data in the disc or use a new one.
6. File names should be named using 8 letters or less and must incorporate ".mp3" or ".wma" extension e.g. "********.MP3" or "********.WMA".
7. Do not use special letters such as "/ : * ? " < > " etc.
8. Total number of files on the disc should be less than 650.

This DVD player requires discs/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). That require certain pre-existing conditions (see above) to insure compatible playback.

Customers should also 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 with Audio CD and MP3/WMA Disc

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

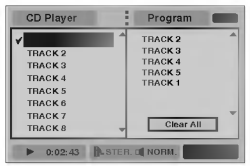
1. Press PROGRAM during playback or in the stop mode to enter the Program Edit mode.

The "Edit" mark will appear to the right of the word Program on the right side of the menu screen.

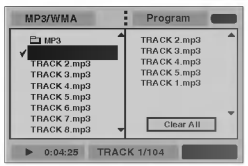
Press PROGRAM to exit the Program Edit mode; the Edit mark will disappear.

2. Select a track, then press ENTER to place the selected track on the Program list.

3. Repeat step 2 to place additional tracks on the Program list.



Audio CD menu



MP3/WMA menu

4. Press ▶ .

The programmed track you selected last is highlighted on the program list.

5. Press ▲/▼ to select the track you want to start playing.

Press TITLE to move to the next page.
Press MENU to move to the previous page

6. Press PLAY to start.

Playback begins in the order in which you programmed the tracks and "PROG." appears on the menu screen.
Playback stops after all of the tracks on the Program list have played once.

7. To resume normal playback from programmed playback, select a track of CD (or MP3/WMA) list and then press ENTER.

"PROG." indicator disappears on the menu screen.

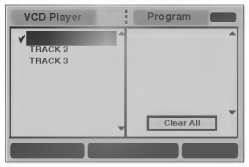
Programmed Playback with Video CD

On a Video CD with PBC, you must set PBC to Off on the setup menu to use the Program function.

1. Insert Video CD and close the tray.

2. Press PROGRAM while playback is stopped.

The VCD Program menu will appear.



Press RETURN or PROGRAM to exit the Program menu.

3. Follow steps 2-6 of "Programmed Playback with Audio CD and MP3/WMA disc" on page 39.

4. To resume normal playback from programmed playback, press PROGRAM.

"PROG." indicator disappears in the display window.

Repeat Programmed Tracks

- To repeat the track currently playing, press REPEAT.
  The Repeat icon and "TRACK" appears on the menu screen.
- To repeat all tracks on the program list, press REPEAT a second time.
  The Repeat icon and "ALL" appears on the menu screen.
- To cancel Repeat mode, press REPEAT a third time.
  The Repeat icon and "OFF" appears on the menu screen.

Erasing a Track from Program List

1 Press PROGRAM during playback (Audio CD and MP3/WMA disc only) or in the stop mode to enter the Program Edit mode.
The "Edit" mark will appear.

2 Press ► to move to the Program list.

3 Use ▲/▼ to select the track that you wish to erase from the Program list.

4 Press CLEAR.
The track will be erased from the Program list.

Erasing the Complete Program List

1 Follow steps 1-2 of "Erasing a Track from Program List" as above.

2 Use ▲/▼ to select "Clear All", then press ENTER.
The complete Program for the disc will be erased.
The programs are also cleared when the disc is removed.

Viewing a JPEG disc

This DVD Player can play discs with JPEG files and Kodak picture CD. Before playing JPEG recordings, read the notes on JPEG Recordings on page 42.

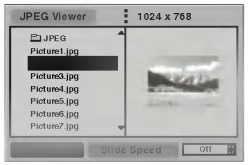
1. Insert a disc and close the tray.
The MP3/WMA-JPEG choice menu appears on the TV screen.

2. Press ▲/▼ to select the JPEG then press ENTER.
The JPEG menu appears on the TV screen.

3. Press ▲/▼ to select a folder, and ENTER.
A list of files in the folder appears.
Press RETURN to move to the MP3/WMA-JPEG choice menu.

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 to return to theprevious menu screen.

4. If you want to view a particular file, press ▲/▼ to highlight a file and press ENTER or PLAY.
Viewing the file proceeding starts.
During viewing a file, press DISPLAY/RETURN to move to the previous menu (JPEG menu).
Press TITLE to move to the next page.
Press MENU to move to the previous page.



There are three viewing Slide Speed options: Fast, Normal, Slow, and Off. Press ◀/▶ to highlight the Slide Speed then press ▲/▼ to select the option you want to use, and press ENTER.

5. To stop viewing at any other time, press STOP.
The JPEG menu appears.

Moving to another File

Press SKIP/SCAN ⏮ or ⏭ once during viewing a picture to advance to the next file or to the previous file.

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.

To flip the picture

Press ▲/▼ during showing a picture to flip the picture horizontally or a vertically.

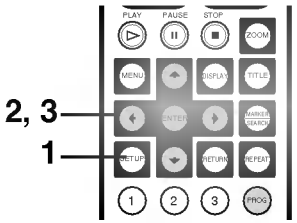
To rotate picture

Press ◀/▶ during showing a picture to rotate the picture clockwise or counter clockwise.

Notes on JPEG Recordings

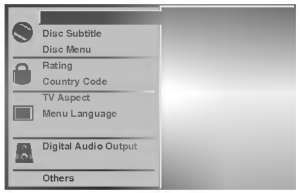
- Depending upon the size and number of the JPEG files, it could take a long time for the DVD player to read the disc's contents. If you don't see an on-screen display after several minutes, some of the files are too big — reduce the resolution of the JPEG files to less than 2 mega pixels and burn another disc.
- Total number of files and folders on the disc should be less than 650.
- Some disc may be incompatible due to different recording format or condition of disc.
- When you are using software such as "Easy CD Creator" to burn the jpeg files into the CD-R, 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" files.
- 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.

Once the initial settings have been completed, the player can always be operated under the same conditions (especially with DVD discs).
The settings will be retained in the memory until they are changed, even if the power is switched off.



Selection of initial settings

1. Press SETUP in the stop or playback mode.
The SETUP menu is displayed.



2. Press ▲/▼ to select the desired item.
The screen will show the current setting for the selected item, and the alternate setting(s).

- Disc Audio (see page 44.)
- Disc Subtitle (see page 44.)
- Disc Menu (see page 44.)
- Rating (see page 45.)
- Country Code (see page 46.)
- TV Aspect (see page 47.)
- Menu Language (see page 48.)
- Digital Audio Output (see pages 49-50.)
- Others (see page 51-52.)

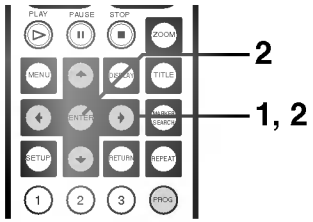
3. Press ► and then ▲/▼ to select the desired setting and press ENTER.
- Some items require additional steps. (See the respective page.)

When the alternate setting is selected the screen returns to the Initial Settings display.

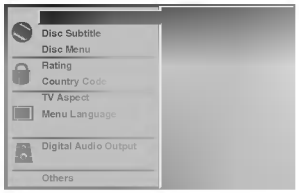
To exit SETUP menu
Press SETUP, RETURN or PLAY.

This is to select the audio soundtrack language, subtitle language and the language used in title menus or DVD menus which will always be used for every disc to be played back.

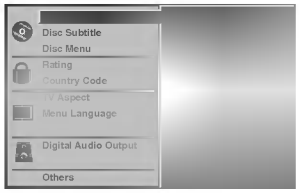
When you play back a DVD video disc, the DVD player automatically displays the pre-selected subtitle language if it is included on the disc.



1. At the SETUP menu screen, press ▲/▼ to select "Disc Audio" and press ►.



2. Press ▲/▼ to select the desired language and then press ENTER.

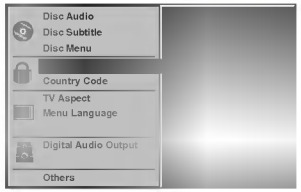


Original : The original language of each disc will be selected.
English : English will be selected.
Other : Another language can be selected. You can input a 4-digit language code. (Refer to the language codes on page 53. Press CLEAR if an incorrect language code is entered.)

The "Disc Subtitle" and "Disc Menu" are selected by the same method.

- If the language selected is not available on the disc, the original language designated by each disc will be selected.

Movies on DVDs may contain scenes not suitable for children. Therefore, discs may contain Parental Control information that applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8, and alternatively, more suitable scenes are available for selection on some discs. Ratings are country-dependent. The Parental Control feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.



1. **Select "Rating" on the Setup menu using the ▲/▼ buttons.**
2. **While "Rating" is selected, press ►.**
3. **When you have not entered a password yet.**
   Enter a 4-digit password using the numbered buttons to create a personal 4-digit security password. then press ENTER. Enter the 4-digit password again and press ENTER to verify.

When you have already entered a password;
Enter a 4-digit password using the numbered buttons to confirm the personal 4-digit security password, then press ENTER.

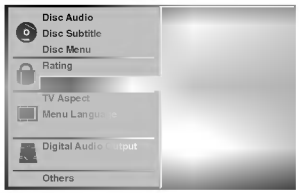
If you make a mistake before pressing ENTER, press CLEAR and enter 4-digit security password again.

4. **Select a rating from 1 to 8 using the ▲/▼ buttons. One (1) has the least playback restrictions. Eight (8) has the most playback restrictions.**

   Unlock: If you select Unlock, Parental Control is not active. The disc will play in full.
   Ratings 1 to 8: Some discs contain scenes not suitable for children. If you set a rating for the player, all disc scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative scene is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback will stop. You must enter the 4-digit password or change the rating level in order to play the disc.

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

Enter the code of a country/area whose standards were used to rate the DVD video disc, referring to the list (See "Country Code List", page 54-55.).



1. Select Country Code using the ▲/▼ buttons on the setup menu.

2. While Country Code is selected, press ►.

3. Follow step 3 of "Rating" on the previous page.

4. Select the first character using the ▲/▼ buttons.

5. Shift the cursor using ► button and select the second character using ▲/▼ buttons.

6. Press ENTER to confirm your country code selection, then press SETUP to exit the menu.

NOTE

Confirmation of the 4-digit password is necessary when the code is changed
(see "Changing the 4-digit code" below.).

Changing the 4-digit code

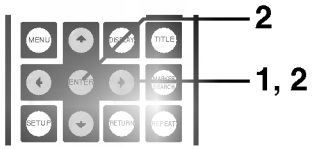
1 Follow Steps 1-2 as shown on the previous page (Rating).
2 Enter the old code, then press ENTER.
3 Select Change using ▲/▼ buttons then press ENTER.
4 Enter the new 4-digit code, then press ENTER.
5 Enter exactly the same code a second time and verify by pressing ENTER.
6 Press SETUP to exit the menu.

If you forget your 4-digit code

If you forget your password, to clear the current password, follow the procedure below.

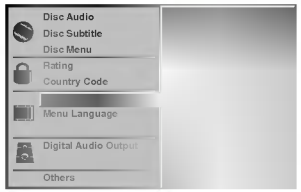
1 Press SETUP to display the setup menu.
2 Use the Number buttons to enter the 6-digit number "210499".
3 Enter a new code as shown on the previous page (Rating).

Select the appropriate screen type according to your TV set; conventional size screen (4:3) or wide-screen (16:9).



1. At the SETUP menu screen, press ▲/▼ to select "TV Aspect" and press ►.

2. Press ▲/▼ to select the desired Aspect and press ENTER.

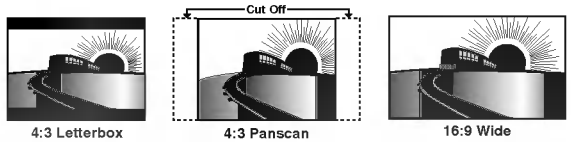


4:3 Letterbox : The video material not formatted in the Pan & Scan style is played back in the letterbox style (black bands appear at top and bottom of screen).

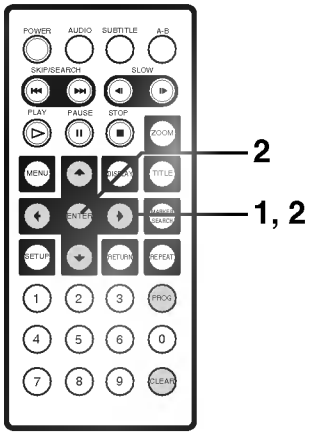
4:3 Panscan : Select when a conventional TV set is connected. The video material formatted in the Pan & Scan style is played back in that style (the left and right edges are cut off).

16:9 Wide : Select when a wide-screen TV set is connected. Played in "FULL" size. (Setting the wide-screen TV to "FULL" mode is also necessary.)

* Each screen shows an example when the video material for a wide-screen is played.
(This setting does not affect the video material for conventional size.)



Selects language for SETUP menus and displays on the TV.

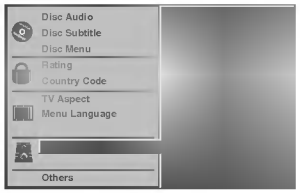


1. **At the SETUP menu screen, press ▲/▼ to select "Menu Language" and press ►.**

2. **Press ▲/▼ to select the desired Language and press ENTER.**

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

1. At the SETUP menu screen, press ▲/▼ to select "Digital Audio Output" and press ►.



2. Press ▲/▼ to select the desired output and press ENTER.
You can select Digital Audio Output or Sampling Frequency item by pressing ENTER.

■ Digital Audio Output

DOLBY DIGITAL/PCM: Select "DOLBY DIGITAL/PCM" if an active digital output is supplied to a Dolby Digital decoder, (or an amplifier or other equipment with Dolby Digital decoder).

Stream/PCM: Select "Stream/PCM" if an active digital output is supplied to an amplifier or other equipment with DTS decoder, Dolby Digital decoder and MPEG decoder.

PCM: Select "PCM" if an active digital output is supplied to an amplifier or other equipment with linear PCM only (or MD recorder or DAT deck).

Playback Disc	OUTPUT		
	Stream/PCM	Dolby Digital/ PCM	PCM only
96 kHz Linear PCM DVD	PCM	PCM	PCM
DTS DVD	DTS bit Stream	DTS bit Stream	DTS bit Stream
Dolby Digital DVD	Dolby Digital bit Stream	Dolby Digital bit Stream	PCM
MPEG DVD	MPEG bit Stream	PCM	PCM
Audio CD/ Video CD	PCM	PCM	PCM
DTS Audio CD	DTS bit Stream	DTS bit Stream	DTS bit Stream

■ **Sampling Frequency**

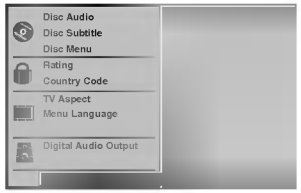
To change the Sample Frequency setting, first select the desired digital audio output type as indicated on page 49. If your A/V receiver or surround processor is NOT capable of handling 96kHz signals, select the 48kHz option. When this choice is made, this unit will automatically convert any 96kHz signals to a 48kHz output so that your system is capable of decoding them.
If your A/V receiver or surround processor is capable of handling 96kHz signals, select the 96kHz option. When this choice is made, this unit will pass each type of signal through without any further processing.

NOTES

- When you are not using the player's digital audio output, don't select any of the options.
- If an active digital audio output signal is supplied to a receiver or other equipment without a corresponding digital decoding capability, a very loud noise may be produced which could permanently damage the speakers.
- The DTS DVD disc sound is played back only when the DVD player is connected to a receiver with a DTS decoder.

The DRC, Vocal, PBC and Auto Play settings can be changed.

1. At the SETUP menu screen, press ▲/▼ to select "Others" and press ►.



2. Press ▲/▼ to select the desired items and press ENTER.
The setting of the selected item are changed between On and Off.

■ **DRC (Dynamic Range Compression) On/Off**

On: Select this option to turn on the Dynamic Range Compression circuitry so that the dialogue remains clear even at low volume levels.

Off: Select this option to turn off the Dynamic Range Compression and have the soundtrack presented exactly as it was created.

■ **Vocal On/Off**

Set to On only when a multi-channel karaoke DVD is being played. The karaoke channels on the disc will then be mixed into a normal stereo sound.

■ **PBC On/Off**

Set Playback Control (PBC) to On or Off

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

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

■ Auto Play

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 a title that playback time is long most and then play back the title automatically.

On: Auto Play function is activated.

Off: Auto Play function is not activated.

The Auto Play function may not work for some DVDs.

About DRC (Dynamic Range Compression)

With the DVD format you have the opportunity to hear a program's soundtrack in the most accurate and realistic presentation possible, thanks to the use of digital audio technology. However, in certain instances you may wish to slightly compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones) so that you may listen to a movie at a lower volume without losing dialogue intelligibility.

- The DRC function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Compression may differ depending on the DVD disc.
- When playing karaoke, connect appropriate audio equipment (such as an amplifier) to the DVD video player.

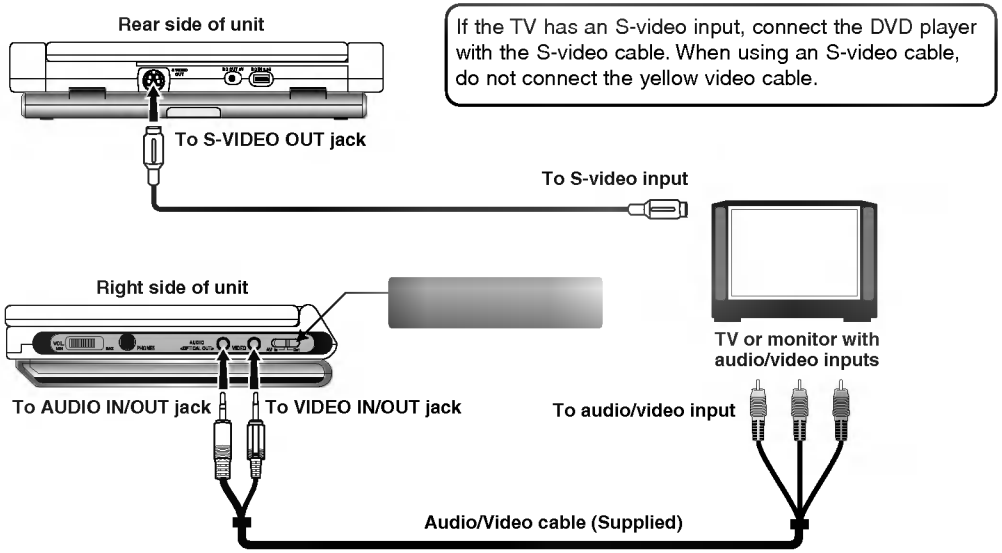
Enter the appropriate code number for the initial settings “Audio”, “Subtitle” and/or “Menu” (See page 44).

Code	Language	Code	Language	Code	Language	Code	Language
6565	Afar	7079	Faroese	7678	Lingala	8375	Slovak
6566	Abkhazian	7082	French	7679	Laothian	8376	Slovenian
6570	Afrikaans	7089	Frisian	7684	Lithuanian	8377	Samoan
6577	Ameharic	7165	Irish	7686	Latvian, Lettish	8378	Shona
6582	Arabic	7168	Scots Gaelic	7771	Malagasy	8379	Somali
6583	Assamese	7176	Galician	7773	Maori	8381	Albanian
6588	Aymara	7178	Guarani	7775	Macedonian	8382	Serbian
6590	Azerbaijani	7185	Gujarati	7776	Malayalam	8385	Sudanese
6665	Bashkir	7265	Hausa	7778	Mongolian	8386	Swedish
6669	Byelorussian	7273	Hindi	7779	Moldavian	8387	Swahili
6671	Bulgarian	7282	Croatian	7782	Marathi	8465	Tamil
6672	Bihari	7285	Hungarian	7783	Malay	8469	Telugu
6678	Bengali; Bangla	7289	Armenian	7784	Maltese	8471	Tajik
6679	Tibetan	7365	Interlingua	7789	Burmese	8472	Thai
6682	Breton	7378	Indonesian	7865	Nauru	8473	Tigrinya
6765	Catalan	7383	Icelandic	7869	Nepali	8475	Turkmen
6779	Corsican	7384	Italian	7876	Dutch	8476	Tagalog
6783	Czech	7387	Hebrew	7879	Norwegian	8479	Tonga
6789	Welsh	7465	Japanese	7982	Oriya	8482	Turkish
6865	Danish	7473	Yiddish	8065	Panjabi	8484	Tatar
6869	German	7487	Javanese	8076	Polish	8487	Twi
6890	Bhutani	7565	Georgian	8083	Pashto, Pushto	8575	Ukrainian
6976	Greek	7575	Kazakh	8084	Portuguese	8582	Urdu
6978	English	7576	Greenlandic	8185	Quechua	8590	Uzbek
6979	Esperanto	7577	Cambodian	8277	Rhaeto-Romance	8673	Vietnamese
6983	Spanish	7578	Kannada	8279	Rumanian	8679	Volapük
6984	Estonian	7579	Korean	8285	Russian	8779	Wolof
6985	Basque	7583	Kashmiri	8365	Sanskrit	8872	Xhosa
7065	Persian	7585	Kurdish	8368	Sindhi	8979	Yoruba
7073	Finnish	7589	Kirghiz	8372	Serbo-Croatian	9072	Chinese
7074	Fiji	7665	Latin	8373	Singhalese	9085	Zulu

Enter the appropriate code number for the initial setting “Country Code” (See page 46).

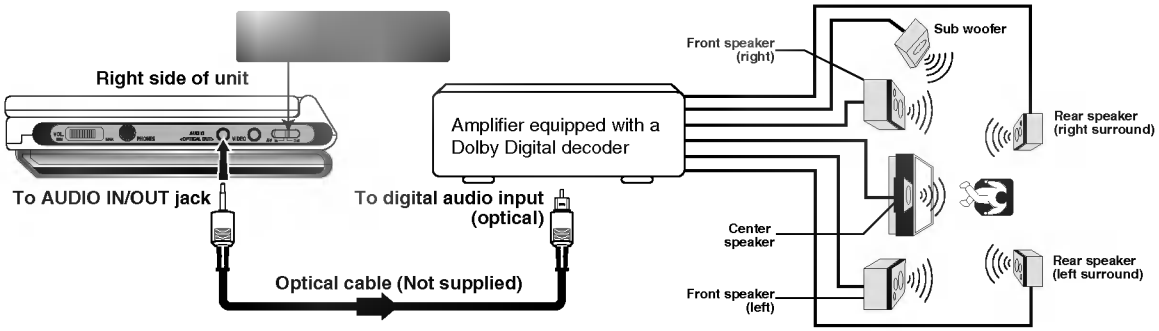
Code	Country	Code	Country	Code	Country	Code	Country
AD	Andorra	BV	Bouvet Island	EH	Western Sahara	HN	Honduras
AE	United Arab Emirates	BW	Botswana	ER	Eritrea	HR	Croatia
AF	Afghanistan	BY	Belarus	ES	Spain	HT	Haiti
AG	Antigua and Barbuda	BZ	Belize	ET	Ethiopia	HU	Hungary
AI	Anguilla	CA	Canada	FI	Finland	ID	Indonesia
AL	Albania	CC	Cocos (Keeling) Islands	FJ	Fiji	IE	Ireland
AM	Armenia	CF	Central African Republic	FK	Falkland Islands	IL	Israel
AN	Netherlands Antilles	CG	Congo	FM	Micronesia	IN	India
AO	Angola	CH	Switzerland	FO	Faroe Islands	IO	British Indian Ocean Territory
AQ	Antarctica	CI	Ivory Coast	FR	France	IQ	Iraq
AR	Argentina	CK	Cook Islands	FX	France (European Territory)	IR	Iran
AS	American Samoa	CL	Chile	GA	Gabon	IS	Iceland
AT	Austria	CM	Cameroon	GB	Great Britain	IT	Italy
AU	Australia	CN	China	GD	Grenada	JM	Jamaica
AW	Aruba	CO	Colombia	GE	Georgia	JO	Jordan
AZ	Azerbaidjan	CR	Costa Rica	GF	French Guyana	JP	Japan
BA	Bosnia-Herzegovina	CS	Former Czechoslovakia	GH	Ghana	KE	Kenya
BB	Barbados	CU	Cuba	GI	Gibraltar	KG	Kyrgyzstan
BD	Bangladesh	CV	Cape Verde	GL	Greenland	KH	Cambodia6
BE	Belgium	CX	Christmas Island	GM	Gambia	KI	Kiribati
BF	Burkina Faso	CY	Cyprus	GN	Guinea	KM	Comoros
BG	Bulgaria	CZ	Czech Republic	GP	Guadeloupe (French)	KN	Saint Kitts & Nevis Anguilla
BH	Bahrain	DE	Germany	GQ	Equatorial Guinea	KP	North Korea
BI	Burundi	DJ	Djibouti	GR	Greece	KR	South Korea
BJ	Benin	DK	Denmark	GS	S. Georgia & S. Sandwich Isls.	KW	Kuwait
BM	Bermuda	DM	Dominica	GT	Guatemala	KY	Cayman Islands
BN	Brunei Darussalam	DO	Dominican Republic	GU	Guam (USA)	KZ	Kazakhstan
BO	Bolivia	DZ	Algeria	GW	Guinea Bissau	LA	Laos
BR	Brazil	EC	Ecuador	GY	Guyana	LB	Lebanon
BS	Bahamas	EE	Estonia	HK	Hong Kong	LC	Saint Lucia
BT	Bhutan	EG	Egypt	HM	Heard and McDonald Islands	LI	Liechtenstein

Code	Country	Code	Country	Code	Country	Code	Country
LK	Sri Lanka	NF	Norfolk Island	SD	Sudan	TW	Taiwan
LR	Liberia	NG	Nigeria	SE	Sweden	TZ	Tanzania
LS	Lesotho	NI	Nicaragua	SG	Singapore	UA	Ukraine
LT	Lithuania	NL	Netherlands	SH	Saint Helena	UG	Uganda
LU	Luxembourg	NO	Norway	SI	Slovenia	UK	United Kingdom
LV	Latvia	NP	Nepal	SJ	Svalbard and Jan Mayen Islands	UM	USA Minor Outlying Islands
LY	Libya	NR	Nauru	SK	Slovak Republic	US	United States
MA	Morocco	NU	Niue	SL	Sierra Leone	UY	Uruguay
MC	Monaco	NZ	New Zealand	SM	San Marino	UZ	Uzbekistan
MD	Moldavia	OM	Oman	SN	Senegal	VA	Vatican City State
MG	Madagascar	PA	Panama	SO	Somalia	VC	Saint Vincent & Grenadines
MH	Marshall Islands	PE	Peru	SR	Suriname	VE	Venezuela
MK	Macedonia	PF	Polynesia (French)	ST	Saint Tome and Principe	VG	Virgin Islands (British)
ML	Mali	PG	Papua New Guinea	SU	Former USSR	VI	Virgin Islands (USA)
MM	Myanmar	PH	Philippines	SV	El Salvador	VN	Vietnam
MN	Mongolia	PK	Pakistan	SY	Syria	VU	Vanuatu
MO	Macau	PL	Poland	SZ	Swaziland	WF	Wallis and Futuna Islands
MP	Northern Mariana Islands	PM	Saint Pierre and Miquelon	TC	Turks and Caicos Islands	WS	Samoa
MQ	Martinique (French)	PN	Pitcairn Island	TD	Chad	YE	Yemen
MR	Mauritania	PR	Puerto Rico	TF	French Southern Territories	YT	Mayotte
MS	Montserrat	PT	Portugal	TG	Togo	YU	Yugoslavia
MT	Malta	PW	Palau	TH	Thailand	ZA	South Africa
MU	Mauritius	PY	Paraguay	TJ	Tadjikistan	ZM	Zambia
MV	Maldives	QA	Qatar	TK	Tokelau	ZR	Zaire
MW	Malawi	RE	Reunion (French)	TM	Turkmenistan	ZW	Zimbabwe
MX	Mexico	RO	Romania	TN	Tunisia		
MY	Malaysia	RU	Russian Federation	TO	Tonga		
MZ	Mozambique	RW	Rwanda	TP	East Timor		
NA	Namibia	SA	Saudi Arabia	TR	Turkey		
NC	New Caledonia (French)	SB	Solomon Islands	TT	Trinidad and Tobago		
NE	Niger	SC	Seychelles	TV	Tuvalu		



NOTES

- Refer to the owner's manual of your TV as well.
- Before you connect the DVD player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- **Connect the DVD player to your TV directly. If you connect the DVD player to a VCR, the playback picture will be distorted because DVD video discs are copy protected.**



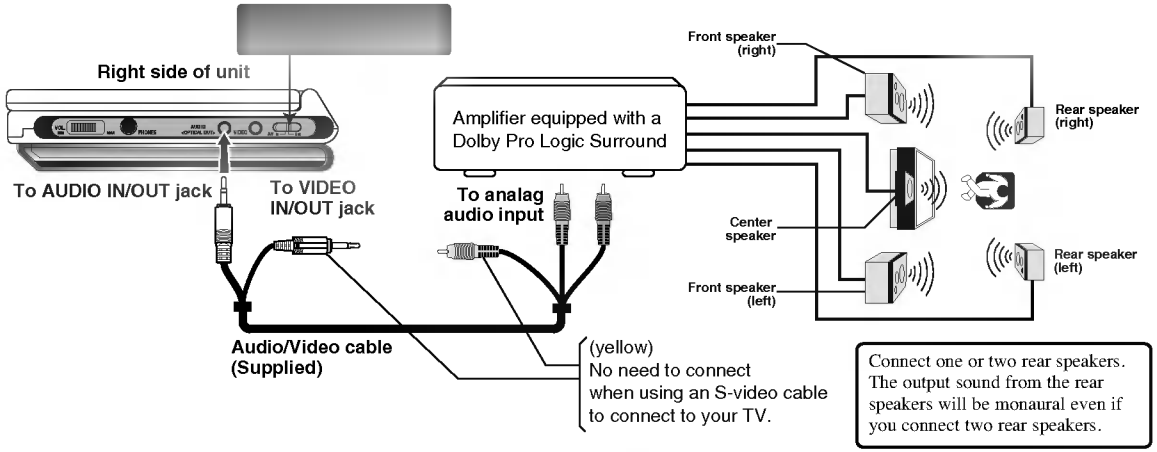
To enjoy Dolby Digital sound from this DVD player you need the following:

- DVD recorded in Dolby Digital
- 6 channel receiver equipped with a Dolby Digital decoder, or Dolby Digital processor and power receiver
- 5 speakers and 1 sub woofer
- Set the Digital Audio Output of this DVD player to "Dolby Digital" from the SETUP menu

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

Dolby Pro Logic Surround

You can still enjoy the excitement of Surround Sound even if your A/V receiver does not offer Dolby Digital decoding. If your A/V receiver has a Dolby Pro Logic ll/ Pro Logic, refer to the following connection diagram.

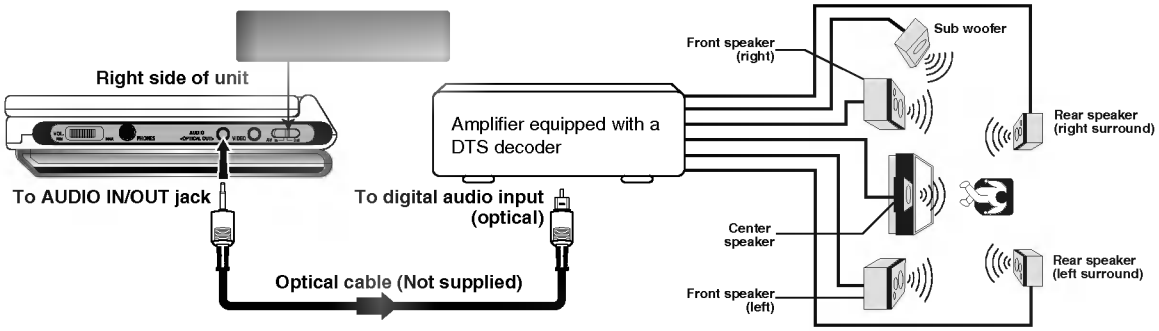


- **With a receiver equipped with Dolby Digital**
  Connect the equipment the same way as described in "Connecting to an amplifier equipped with a Dolby Digital decoder" on the previous page. Refer to that receiver's owner's manual and set the receiver so you can enjoy Dolby Pro Logic Surround sound.

NOTE **Be sure to set Digital Audio Output of this DVD player to "PCM" from the SETUP menu when you enjoy sounds of Dolby Pro Logic Surround using this connection.**

Digital Theater System(DTS)

DTS is high quality surround technology used in theaters and now available for home use, on DVD video discs or audio CDs. If you have a DTS decoder or processor, you can obtain the full benefit of 5.1 channel DTS encoded sound tracks on DVD video discs or audio CDs.



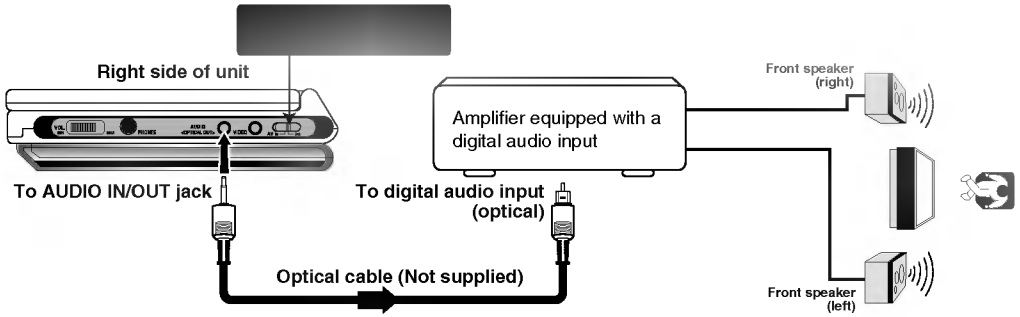
"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

WARNING:

- When you are connecting (via the OPTICAL OUT jack) an AV decoder that does not have the Dolby Digital, Digital Theater System (DTS) or MPEG2 decoding, be sure to set Digital Audio Output of this DVD player to "PCM" from the SETUP menu. Otherwise, high volume sound may damage your hearing as well as the speakers.

2 Channel Digital Stereo

You can enjoy the dynamic sound of 2 Channel Digital Stereo by connecting this DVD player to a receiver equipped with a digital audio input and speaker system (right and left front speakers).



NOTES for all connections

- Connect the OPTICAL OUT jack of the player to the "OPTICAL" input of a Receiver or Processor.
- Refer to the owner's manual of your audio equipment as well.
- Before you connect the DVD player to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- The output sound of the DVD player has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.
- Turn off the receiver before you connect or disconnect the DVD player's power cord. If you leave the receiver power on, the speakers may be damaged.

Playable Discs

This DVD player can play back the following discs.

	Disc mark	Contents	Disc size	Maximum playback time
DVD video discs	DVD VIDEO™	Audio+Video (moving pictures)	12 cm	Approx. 4 hours (single sided disc)
				Approx. 8 hours (double sided disc)
			8 cm	Approx. 80 minutes (single sided disc)
				Approx. 160 minutes (double sided disc)
Video CDs	COMPACT disc DIGITAL VIDEO	Audio+Video	12 cm	74 minutes
			8 cm	20 minutes
Audio CDs	COMPACT disc DIGITAL AUDIO	Audio	12 cm	74 minutes
			8 cm	20 minutes

In addition, this unit can play a DVD-R, DVD±RW, Kodak PICTURE CD, SVCD and CD-R or CD-RW that contains audio titles or MP3, WMA or JPEG files.

You cannot playback discs other than those listed above.

(CVD, CD-ROM, CD-Extra, CD-G, and CD-i discs can not be played on this DVD player.)

Region Management Information: This DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play that disc.

The Region number of this DVD player is 4.

You may not be able to play back some DVD video discs on this player if they were purchased from outside your geographic area or made for business purposes.
When you try to play back an unauthorized disc, "**Check Regional Code**" appears on the TV screen.

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, and rent copyrighted material without permission.
DVD video discs are copy protected, and any recordings made from these discs will be distorted.
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.

Symptoms and Correction

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No power.	• The power cord is disconnected.	• Plug the power cord into the wall outlet securely.
	• Hold switch is set to HOLD position.	• Release the hold mode.
	• The battery is discharged.	• Recharge the battery.
The power is on, but the DVD player does not work.	• No disc is inserted.	• Insert a disc. (Check that the DVD or, audio CD indicator in the display window is lit.)
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 AV In/Out switch is not set correctly.	• Set the AV In/Out switch correctly. - While you are playing a disc, set the AV In/Out switch to Out mode - While you are viewing video from other equipment, set the AV 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 TV screen.
	• The connected TV power is turned off.	• Turn on the TV.

Symptom	Cause	Correction
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 power of the equipment connected with the audio cable is turned off.	• Turn on the equipment connected with the audio cable.
	• The Digital Audio Output is set to the wrong position.	• Set the Digital Audio Output to the correct position, then turn on the DVD player again.
The playback picture is poor.	• The disc is dirty.	• Clean the disc.
The DVD player does not start playback.	• No disc is inserted.	• Insert a disc. (Check that the disc indicator in the display window is lit.)
	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type, color system and Regional code.)
	• The disc is placed upside down.	• Place the disc with the playback side down.
	• The disc is not placed within the guide.	• Place the disc on the disc tray correctly inside the guide.
	• A menu is on the TV screen.	• Press the SETUP button to turn off the menu screen.
	• The Rating level is set.	• Cancel the Rating function or change the rating level.

Symptom	Cause	Correction
The LCD is dark.	• Check that Brightness control is set to "–".	• Adjust the brightness.
No response when buttons are pressed.	• Some discs prohibit certain operations.	• " ⊘ " may appear on the screen during operation.
	• Hold switch is set to HOLD position.	• Release the hold mode.
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).
	• There is an obstacle in the path of the remote control and the DVD player.	• Remove the obstacle.
	• The batteries in the remote control are exhausted	• Replace the batteries with new ones.

[DVD player]	Power supply	DC 9.8 V (AC adapter terminal), DC 7.4 V (Battery)
	Power consumption	25 W with battery
	Weight	1.46 lbs (0.66 kg) (without battery pack)
	External dimensions (W X D X H)	7.3 x 5.9 x 1.0 inches (186 x 150 x 25 mm)
	Signal system	PAL
	Laser	Semiconductor laser, wavelength 650 nm (DVD), 780 nm (CD)
	Frequency range (audio)	DVD linear sound: 48kHz sampling 4 Hz to 20 kHz 96kHz sampling 4 Hz to 44 kHz
	Signal-to-noise ratio (audio)	More than 95 dB
	Dynamic range (audio)	More than 95 dB
	Harmonic distortion (audio)	0.08 %
	Operating conditions	Temperature: 41°F to 95°F, 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
	S-video output	(Y) 1.0 V (p-p), 75 Ω, negative sync., Mini DIN 4-pin x 1 (C) 0.3 V (p-p), 75 Ω
	Audio output (optical audio)	Optical connector (ø3.5mm) x 1
	Audio input/output (AUDIO In/Out, analog audio)	1.6 Vrms(1 KHz, 0 dB), ø3.5mm mini jack x 1
	Earphone terminal	ø3.5mm stereo mini jack x 1

[Liquid Crystal Display]	Panel size	7 inches (16:9)
	Projection system	TN color transmission
	Driving system	TFT active matrix
	Resolution	800 x 480 (effective pixel rate: more than 99.99%)
[Supplied Accessories]	• S-Video cable .....1 • RCA Audio/Video cable .....1 • AC Adapter (DP-AD50/AD-DP40) .....1 • Power Cord.....1 • Automotive Adapter .....1 • Battery Pack (DP-BT50S).....1 • Remote control .....1 • Battery for Remote control (Lithium).....1	

✻ Designs and specifications are subject to change without notice.

LG Electronics Inc.

P/NO : 3834RD0016G