

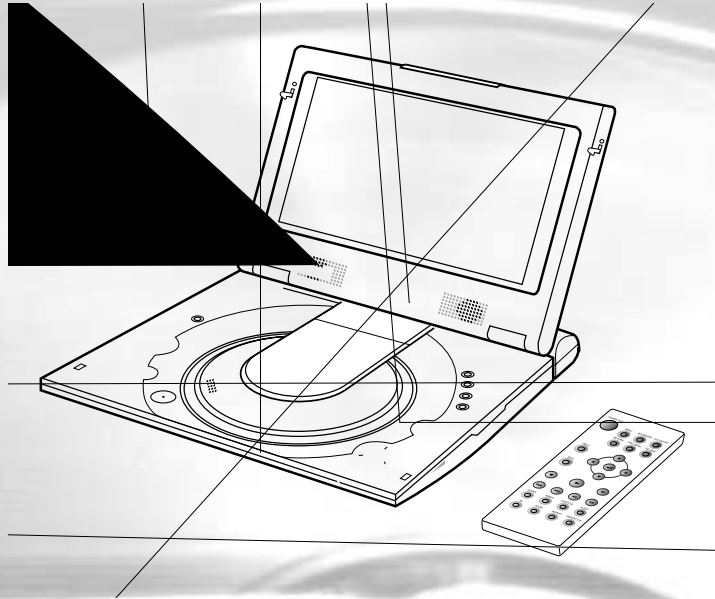


ELECTRONICS

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Portable DVD Player

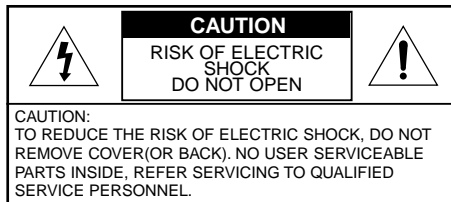
DVD-L300

US

AK68-00431A(05)

Notices and Safety Instructions

Safety Instructions



To prevent electric shock, match wide blade of plug to wide slot and fully insert.



This symbol 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 fire or electric shock.



This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying this product.

1. READ INSTRUCTIONS:

All the safety and operating instructions should be read before the DVD is operated.

2. RETAIN INSTRUCTIONS:

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS:

All warnings on the DVD and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS:

All operating and maintenance instructions should be followed.

5. CLEANING:

Unplug this DVD from the wall outlet before cleaning.
Do not use liquid or aerosol cleaners.
Use a dry cloth used for dusting cabinets.

6. ATTACHMENTS:

Do not use attachments not recommended by the DVD product manufacturer as they may be hazardous.

7. WATER AND MOISTURE:

Do not use this DVD near water; for example, near a bathtub, wash bowl, kitchen sink, laundry tub, in a wet basement, a swimming pool or lake.

8. ACCESSORIES:

Do not place this DVD on an unstable cart, stand, tripod, bracket or table. The DVD may fall, causing serious injury to a child or adult, and seriously damage the unit.
Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the DVD. Any mounting of the unit should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

A. An appliance and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance and cart combination to overturn.
PORTABLE CART WARNING
(Symbol provided by RETAC)



Notices and Safety Instructions

9. VENTILATION:

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the DVD and to protect it from overheating. These openings must not be blocked or covered. Never place your DVD on a bed, sofa, rug, or other similar surface: on or near a radiator or heat register.
This DVD should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

10. POWER SOURCES:

The DVD should be operated only from the type of power source indicated on the label.
If you are not sure of the type of power supply at your home, consult your appliance dealer or local power company.
If a DVD is intended to be operated from battery power, or other sources, refer to the operating instructions.

11. GROUNDING OR POLARIZATION:

This DVD may be equipped with either a polarized 2-wire AC line plug (a plug having one blade wider than the other) or a 3-wire that has grounding type plug, a plug having a third (grounding) pin. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your outlet. Do not defeat the safety purpose of the polarized plug.

12. POWER-CORD PROTECTION:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords or plugs, convenient receptacles, and the point where they exit from the unit.

13. OUTDOOR ANTENNA GROUNDING:

If an outside antenna or cable system is connected to the DVD, be sure the antenna or cable system is grounded to provide protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984 provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire and supporting structure, grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding to conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode.

14. LIGHTNING:

For added protection of this DVD during a lightning storm or when it is left unattended and unused for long periods of time unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the DVD due to lightning and power-line surges.

15. POWER LINES:

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits since contact with them might be fatal.

16. OVERLOADING:

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

Performance

...with the latest technology to provide trouble-free operation.
...disk drive gets dirty, the video quality will decrease.

Moisture Condensation

Condensation may form inside this player under following conditions:

- If warm air comes in contact with any cold parts inside the player
- If the player is located in a room with high humidity
- If the player is exposed to sudden temperature changes from cold to hot.

When condensation forms inside the player, the player may not operate correctly.
If this occurs, leave the player at room temperature until the inside of the player becomes dry and operational.

Laser Safety

Caution
This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Do not open covers and do not look inside the product if interlock mechanism is damaged.

Warning
Be careful not to damage the interlock mechanism.

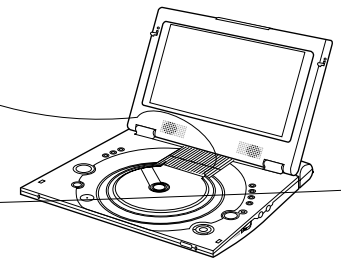
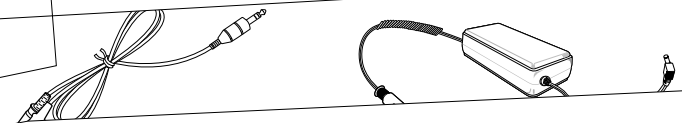


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if disc features differ from the explanation in the manual

- Some functions or operations are disc-dependent and may not work in all cases. Follow the instructions shown on the screen. This manual only covers basic disc operations.
-  may appear during some operations. This mark indicates that the disc in use does not currently support operations explained in this manual.

Disc Type and Characteristics

This DVD player is capable of playing the following types of discs with the corresponding logos:

* Caution 1



- Play Region Number



- NTSC broadcast system in U.S.A, Canada, Korea, Japan, etc.



- Dolby Digital disc



- Stereo disc



- Digital Audio disc



- DTS disc



- MP3 disc


Play Region Number

Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the bottom housing of the player.

Disc Type and Characteristics

* Caution 2

- Some playback functions of a DVD vary by manufacturer. This DVD player reproduces the disc data according to guidelines provided by the disc manufacturer. If  appears during disc operations, the disc manufacturer has placed a limit on that function.


* Caution 3

- The LCD display does not support Closed Captions. However, you can view captions by connecting this unit to a TV with the caption function.

Discs that cannot be played

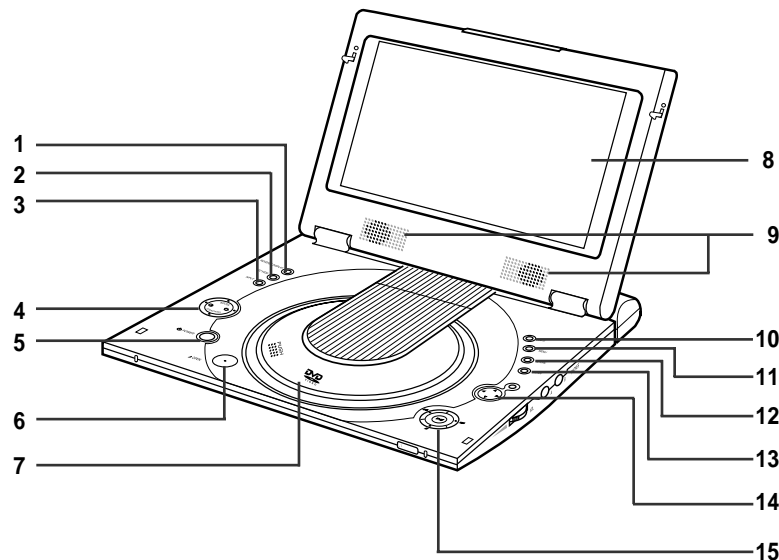
1. Illegally manufactured discs
2. Discs with scratches
3. Discs with fingerprints, dirt, and debris.
 - If the disc surface has dirt or scratches, **No Disc** will be displayed and the disc will not be played correctly. (Refer to page 5 and clean the surface of the disc.) If the player encounters dirt or scratches while playing, video playback may be interrupted. (Some block-like patterns appear. When this occurs, your player will restore the image in 2~3 seconds.)








About Copyrights

- Any kind of unauthorized and commercial duplication, public performance, broadcasting, renting, copying and making transmittable of the content of discs is strictly prohibited by law.
- This product is equipped with anti-copy protection device and connecting to a VCR for recording purposes results in a distorted picture.
- 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.
- Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic”, and the double-D symbol () are trademarks of Dolby Laboratories.
- “DTS” is a trademark of Digital Theater System, Inc.

Description-Front Panel

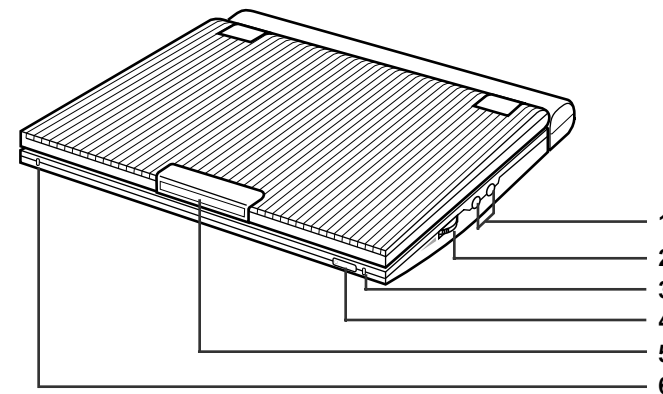
Front View



1. REVERSE DISPLAY
2. EZ VIEW
3. INPUT
4. AIC (Adaptive Image Control)
 - Standard : The basic mode for ordinary viewing.
 - Indoor : The best mode for partial lighting environment.
Displays a more vivid, detailed picture under artificial lighting conditions, with enhancement of signal components.
 - Outdoor : The perfect mode for sunny outdoor conditions.
 Increases the contrast and sharpness level to compensate for outdoor lighting conditions.
 - Low light : The optimum mode for low light viewing situations.
 If the viewing environment is very dark, use this mode to decrease brightness, and increase contrast and edge sharpness.
5. POWER
 - Press the POWER button for 1 second to power off.
6. OPEN
7. DISC COVER
8. LCD
9. SPEAKER
10. INFO
11. MENU
12. RETURN
13. CLEAR
14. ENTER (), DIRECTION (UP/DOWN/LEFT/RIGHT)
15. PLAY etc.
PLAY/PAUSE (), STOP (), REV-SKIP(),
FWD-SKIP()

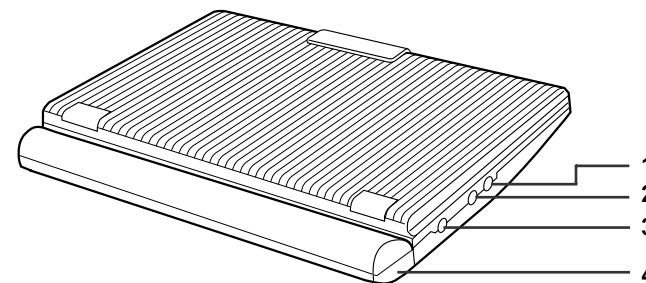
Description-Front Panel

Right View



1. HEADPHONES A, B
2. VOLUME
3. CHARGING INDICATOR
4. REMOTE SENSOR
5. OPEN
6. STANDBY INDICATOR

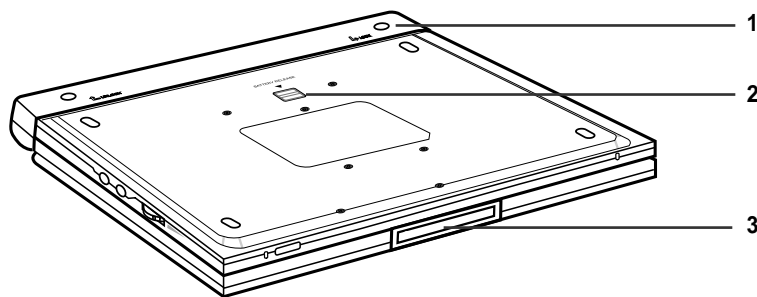
Left View



1. AUDIO IN/OUT / DIGITAL OUT
2. VIDEO IN/OUT / S-VIDEO OUT
3. DC IN 8.4V
4. BATTERY PACK

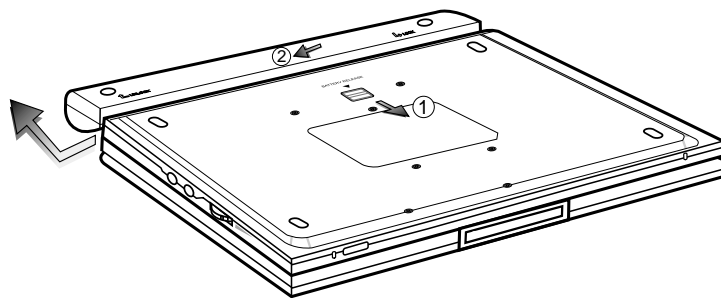
Description-Front Panel

Bottom View



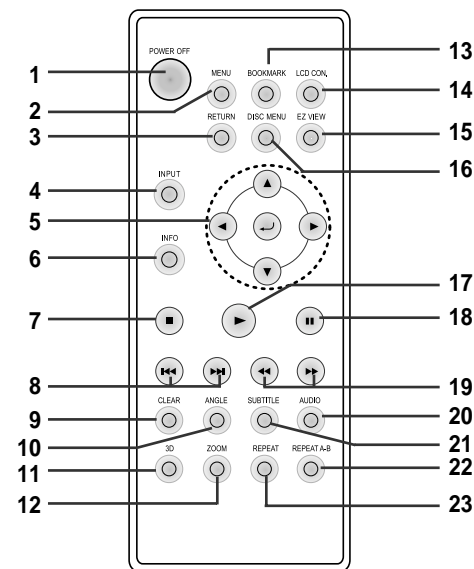
1. BATTERY PACK
2. RELEASE (Battery pack separation switch)
3. OPEN

Battery pack separation method



- ① Press in the direction of the arrow.
- ② Slide battery pack to the left, then out.

Tour of the Remote Control

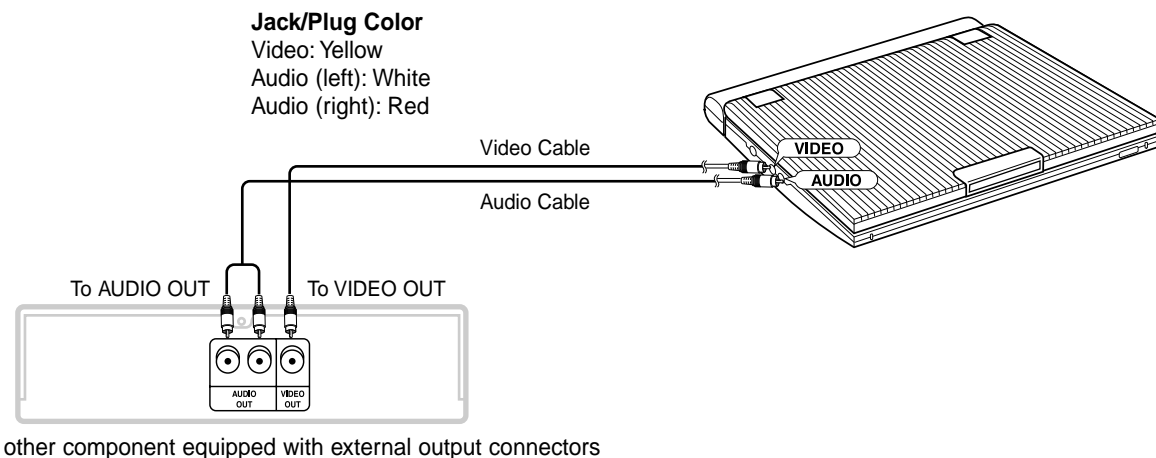


1. **DVD POWER OFF Button**
 - If you power off the unit with the remote, it remains in low power consumption mode. To turn the unit on, you must press the main POWER button on the unit.
2. **MENU Button**
 - Brings up the DVD player's setup menu.
3. **RETURN Button**
 - Returns to the previous menu.
4. **INPUT Button**
 - Use to select signals from external sources.
5. **ENTER/DIRECTION Buttons** (UP/DOWN or LEFT/RIGHT buttons)
 - This button functions as a toggle switch.
6. **INFO Button**
 - Displays the current disc mode.
7. **STOP Button**
 - Stops disc play
8. **SKIP Buttons**
 - Use to skip the title, chapter, or track.
9. **CLEAR Button**
 - Use to remove menus or status displays from the screen.
10. **ANGLE Button**
 - Use to access various camera angles on a DVD.
11. **3D Button**
12. **ZOOM Button**
13. **BOOKMARK Button**
14. **LCD CON. Button**
 - Changes the LCD On/Off display status.
15. **EZ VIEW Button**
 - Easy View can convert Letter Box images to full screen viewing on your screen.
16. **DISC MENU Button**
 - Brings up the Disc menu.
17. **PLAY Button**
 - Starts disc play.
18. **PAUSE/STEP Button**
 - Pauses disc play.
19. **SEARCH Buttons**
 - Allow you to search forward/backward through a disc.
20. **AUDIO Button**
 - Use this button to access various audio functions on a disc.
21. **SUBTITLE Button**
22. **REPEAT A-B Button**
 - Use to mark a segment to repeat between A and B.
23. **REPEAT Button**
 - Allows you to repeat play a title, chapter, track, or disc.

Connecting to an External Component (Input Select)

You can enjoy video from your VCR or Camcorder on your DVD player.

When connecting to an external component



Important!

- Always turn off the DVD Player and other components before you connect any cables.
- Refer to owner's manual of the components you are connecting for more information on those particular components.

NOTE:

- In the INPUT mode, the video input must be the standard NTSC.

Viewing a Video from an External Component

Use the procedure below to view a video from a VCR or Camcorder on your DVD player.

To view video from an external component

1. Connect the external component according to the procedure outlined on page 18.
2. Turn on the external component.
3. Turn on the DVD player.
4. Press the INPUT button to set the INPUT mode.
 - The input mode is available for no disc or disc stop mode.
5. Press the PLAY button on the external component.

INPUT

Caution

- Power is not supplied from this device to the connected DVD player.
- When not using your DVD player, always remove all connecting cables from the video or audio input/output jacks.
- At the beginning of INPUT mode you could see a unstable display for a moment if the input signal is unstable.

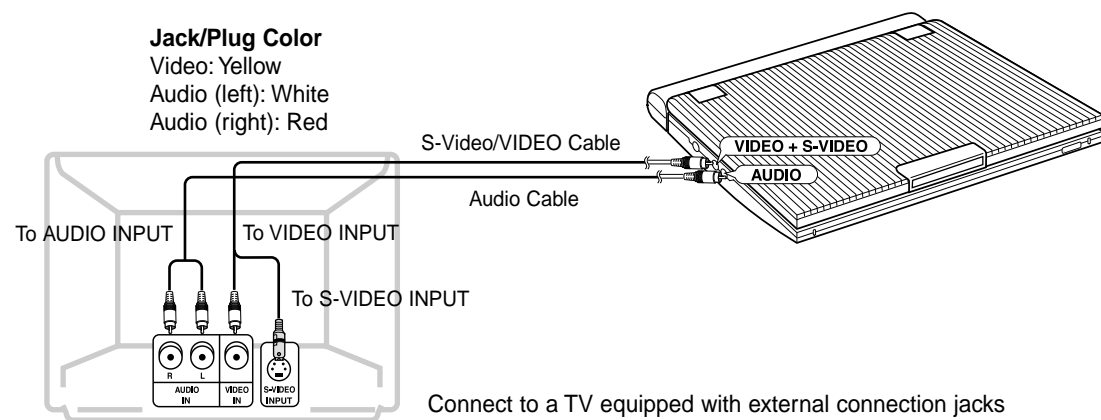
Connecting to a TV

You can enjoy high-resolution video using an S-VIDEO cable when connecting your DVD player to a TV equipped with an S-VIDEO input jack.

- Always turn off the DVD Player and TV before you connect any cables.

To view video with a TV

1. Turn on the TV.
2. Press the TV/VIDEO button on your TV to select the input from the DVD player.
3. Turn on the DVD player, and start playback.



Caution

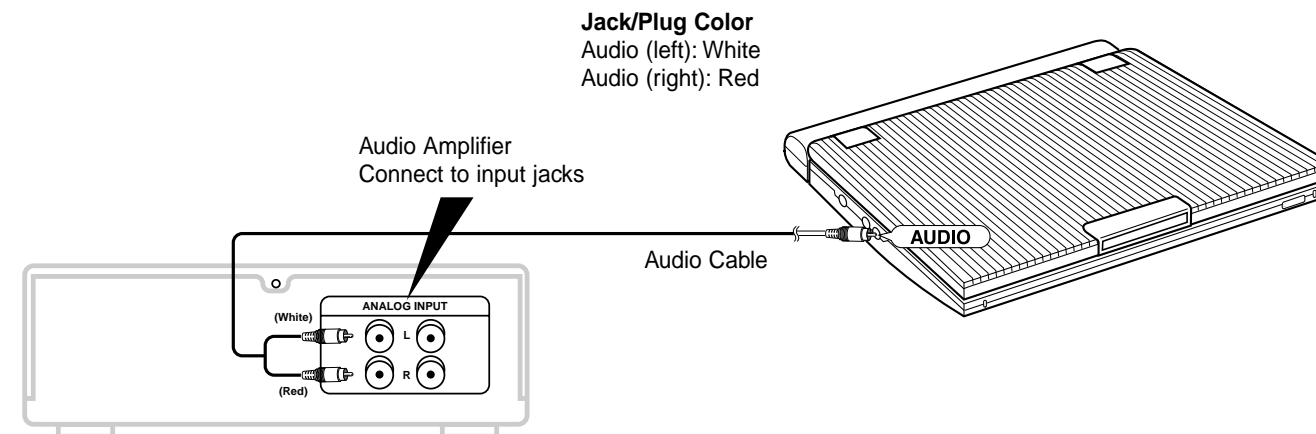
- If you wish to view video on your TV only, close the display panel of your DVD player. Playback will continue and audio to the speakers will be cut off, but you still will be able to use the remote to control the DVD player.
- For power saving, press the LCD CON. button to power off the LCD display.

Connecting to a Stereo Component

When you connect the DVD player to an audio system, you can listen to higher quality sound.

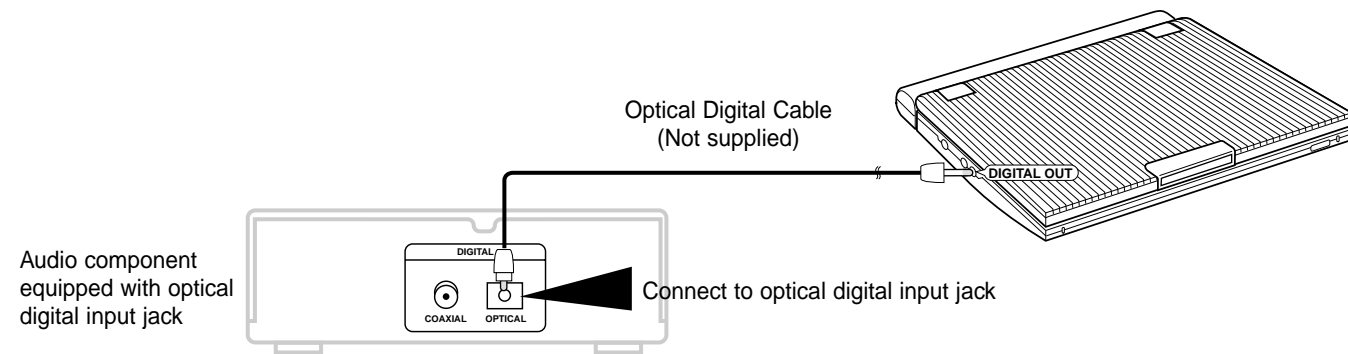
2-CH Audio Playback

- Analog Connection



Connecting to a Stereo Component

Digital Audio Output (optical)



After the completion of above connections;

Set the "Digital Output" to "PCM" (see page 52) in "Audio Setup".

■ Digital connection to an audio component without a Dolby Digital decoder

- Audio CD
Play the disc.
When connecting digitally, DTS-encoded audio tracks will produce distorted sound.
- DVD Disc
When playing a Linear PCM Audio encoded disc, you must use the digital connection method shown above.

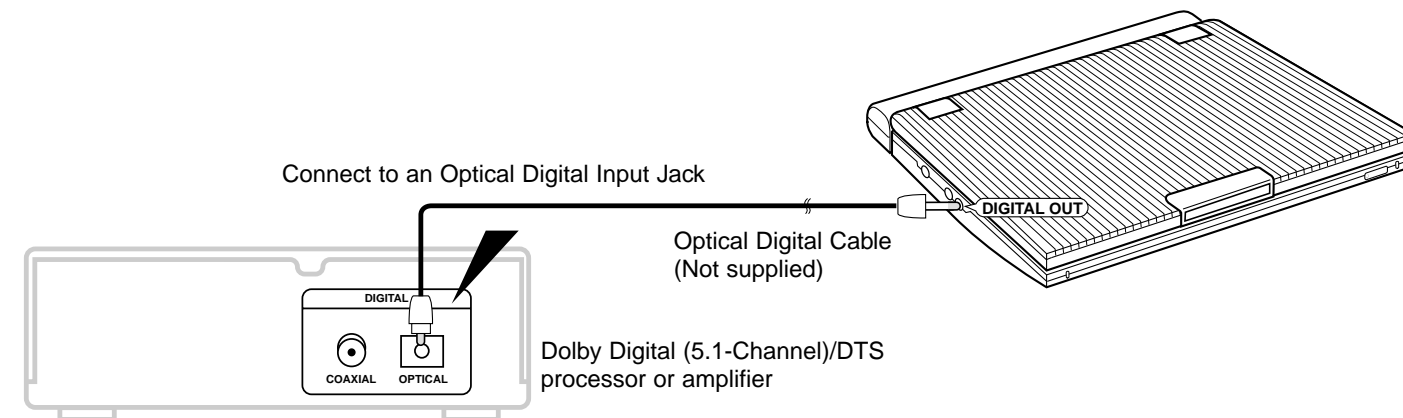
NOTE:

Only use an optical Digital Cable which has been designed for use with portable DVD.

Connecting to a Stereo Component

Playing Dolby Digital (5.1-CH) and DTS Audio

- You can enjoy full and dynamic surround sound by connecting a Dolby Digital/DTS digital surround processor or amplifier to the optical digital jack on the DVD player.
- When using DTS digital surround, select the DTS audio by using the disc menu screen or function adjustment screen.



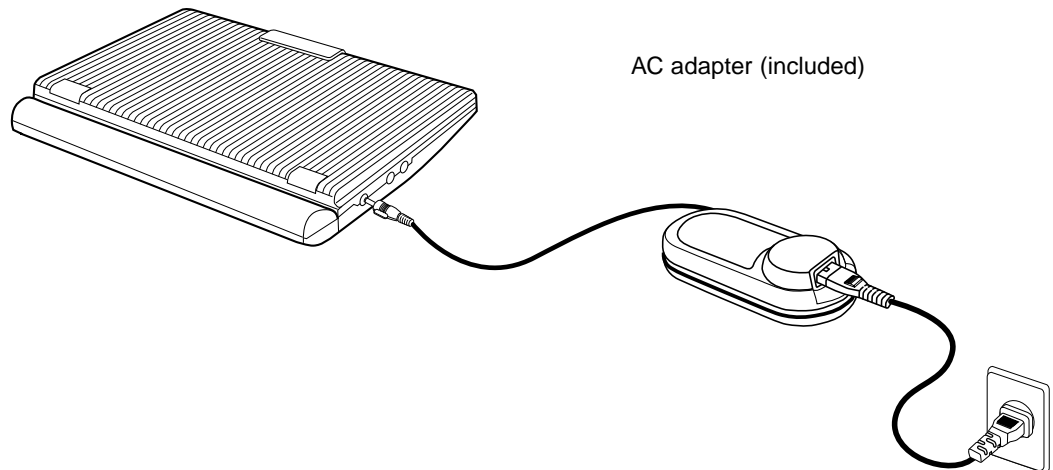
After making the connections shown above;

Set the "Digital Output" to "Bitstream" (see page 52) in "Audio Setup".

Caution

- To play a DTS disc, you need a DTS processor or amplifier.
- If the DTS processor or amplifier you want to use does not have an optical digital input jack, digital connection is not possible.
- Refer to owner's manual of the processor or amplifier for details on connections.

Using the AC adapter



AC adapter (included)

Using the AC adapter

Important!

- Always turn off the DVD player when inserting or removing the AC adapter.
- Before storing the battery pack, make sure it is completely drained.
- Be sure to recharge the battery at least once every six months to ensure proper battery life.

Caution

- When charging or using the battery pack, it heats up. This is normal and is not a cause for concern.

NOTE:

Connecting the battery pack to the AC Adapter;

- You can recharge the battery pack in the DVD player by turning off the player and connecting the AC adapter to the player.

Charge Time: Approx. 2.5 hours

- Charge time may be longer when using the battery pack in a cold environment.

DVD Continuous Playing Time with a Fully charged Battery pack (with speaker): Approx. 2.5 hours

- DVD continuous playing time is a reference indicating the maximum playing time at average speaker volume.
- The playback time may be shortened depending on the disc, surrounding temperature, battery pack conditions, and speaker volume.

Using the battery pack

Important!

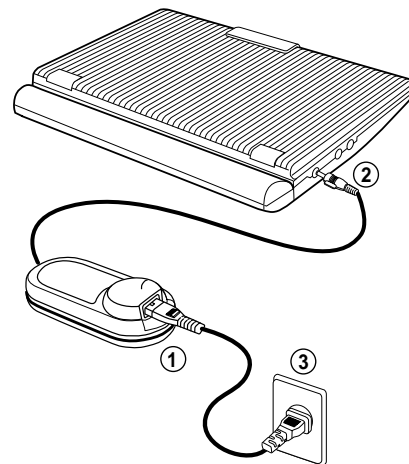
- When inserting the battery pack, make sure that it is inserted correctly. Otherwise, your DVD player may malfunction.

Charging the battery pack

Use the AC adapter (included) to charge the battery pack.

- Before charging, make sure that the battery pack is correctly seated.

- Connect the AC cord to the jack on the AC adapter (①).
- Connect the DC cord to the DC IN jack on the left side of the DVD player (②).
- Plug the other end of the AC cord into an AC outlet (③).



Blinking time	Charging rate
Once per second	Less than 50%
Twice per second	50%~75%
Three times per second	75%~90%
Blinking stops and stays on	90%~100%
On for a second and off for a second	Error-Reset the battery pack and the DC cable

Power Charge Lamp

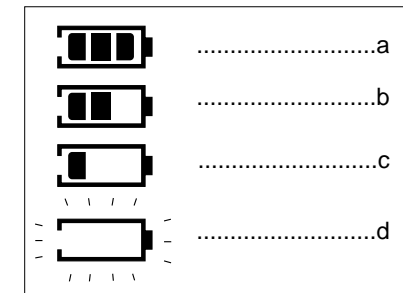
-Green light will flash while charging.

-When the battery pack is fully charged, the light will stop blinking and remain green.

Battery level display

- The battery level display indicates the amount of power remaining in the battery pack.

- Fully charged
- 20~40% used
- 40~80% used
- Completely used (flickers)
(If the battery mark flickers the DVD will turn off soon. Change the battery as soon as possible)

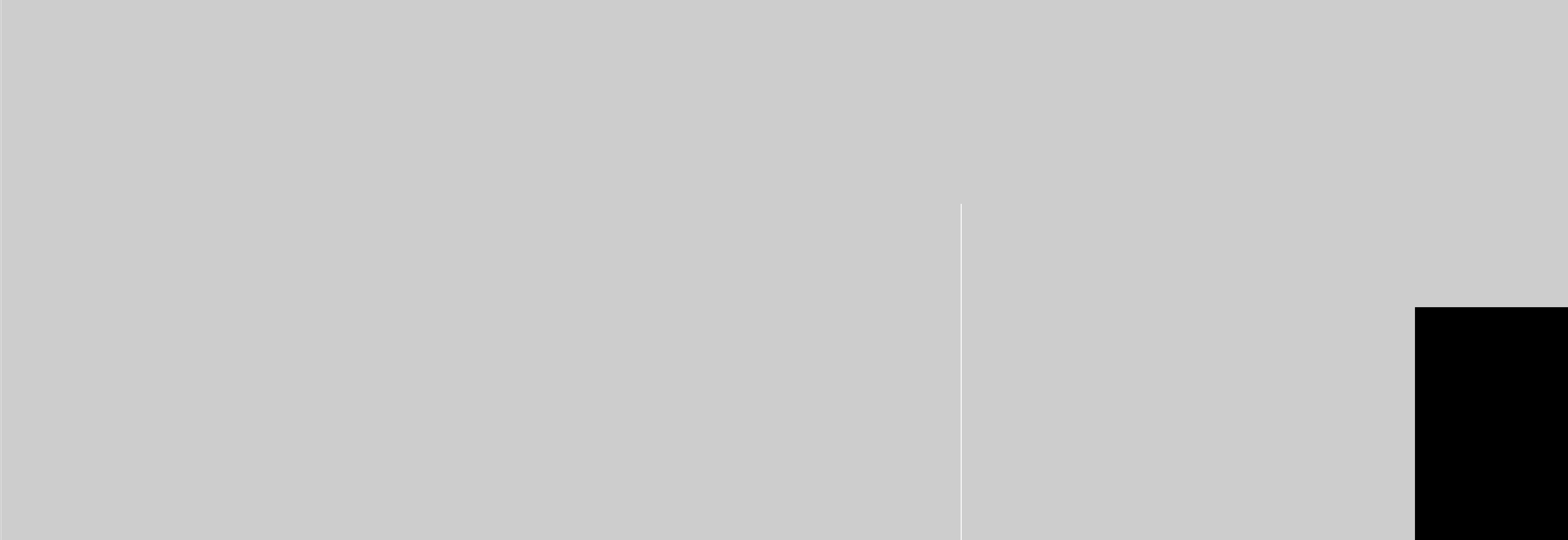


*The playing time is affected by environmental temperature and conditions.

The playing time becomes very short in a cold environment. The continuous playing times in the operating instructions are measured using a fully charged battery pack at 77°F(25°C). As the environmental temperature and conditions may differ when you actually use the DVD, the remaining battery time may not be the same as the approximate continuous playing time given in these instructions.

NOTE:

- When the operation time is noticeably shorter than normal, it is time to buy a new battery. The battery level display time changes depending on the battery operating time.
- As the battery is completely used, the noise screen might be displayed intermittently.



Using the Search & Skip Functions

During play, you can search quickly through a chapter or track or use the skip function to jump to the next selection.

Searching through a Chapter or Track

During play, press the SEARCH (◀▶ or ▶▶) button on the remote.

- Press the SEARCH (◀▶ or ▶▶) button on the remote for more than 1 second and press again or press continuously to search at a faster speed on a DVD or CD.
- Press the SKIP (◀◀ or ▶▶) button for more than 2 seconds to use the SEARCH feature.

DVD	2X, 8X, 32X, 128X
CD	2X, 4X, 8X

Skipping Tracks

During play, press the NEXT SKIP (▶▶) or BACK SKIP (◀◀) button.

- When playing a DVD, if you press the NEXT SKIP button, it moves to the next chapter. If you press the BACK SKIP button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.
- When playing a CD, if you press the NEXT SKIP button, it moves to the next track. If you press the BACK SKIP button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.

Using the Display Function

When Playing a DVD/CD

1. Press the INFO button during playback.
2. Use the UP/DOWN buttons to select the desired item.
3. Use the LEFT/RIGHT buttons to make the desired setup, then press ENTER.
4. To make the screen disappear, press the INFO button again.

Title To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified

Chapter Most of DVD discs are recorded in chapters so that you can quickly find a specific passage. (similar to tracks on an audio CD).

Time Allows playback of the film from a desired time. You must enter the starting time as a reference.

Audio Refers to the language of the film soundtrack. In the example, the soundtrack is played in English 5.1CH. A DVD disc can have up to eight different soundtracks.

Subtitle Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A DVD disc can have up to 32 different subtitles.

3D Sound A surround sound effect is generated using two front speakers and headphones.

NOTE:

- If you want to see the battery level display in the bettery mode, press the INFO button.

DVD



CD



Using the Disc and Title Menu

Using the Disc Menu

1. Press the MENU button during playback.
2. Select **Disc Menu** using the UP/DOWN buttons, then press the RIGHT or ENTER button.



Using the Title Menu

1. Press the MENU button during playback.
2. Select **Title Menu** using the UP/DOWN buttons, then press the RIGHT or ENTER button.



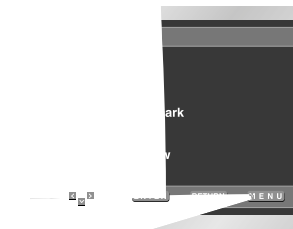
NOTE:

- Depending on the disc, the Title and Disc Menus may not work.
- Title Menu will only be displayed if there are at least two titles in the disc.
- You can also use the Disc Menu, using the DISC MENU button on the remote.

Using the Function Menu

Using the Function Menu

1. Press the MENU button during playback.
2. Use the UP/DOWN buttons to highlight Function, then press the RIGHT or ENTER button.
3. Function selection screen appears, Info, Zoom, Bookmark, Repeat and EZ View.
 - Info (See Page 31)
 - Zoom (See Page 42)
 - Bookmark (See Page 41)
 - Repeat (See Page 34)
 - EZ View (See Page 36~37)
4. Use the UP/DOWN button to highlight one of the 5 functions. Then press the RIGHT or ENTER button to access the function.





NOTE:

- You can also directly select these functions using their respective buttons on the remote.

Repeat Play

Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.

When playing a DVD/CD

1. Press the REPEAT button on the remote. Repeat screen appears.
2. Select **Chapter**, **Title** or **A-B** using the LEFT/RIGHT buttons.
 - Chapter () : repeats the chapter that is playing.
 - Title () : repeats the title that is playing.
 - A-B : repeats a segment of the disc that you select.
3. Press ENTER.
4. To return to normal play, press REPEAT again, then press the LEFT/RIGHT buttons to select **Off** and Press ENTER.
 - * REPEAT A-B button
 - Press the REPEAT A-B button to select the point where the function starts. (A)
 - Press the REPEAT A-B button to select the point where the function ends. (B)
 - To terminate the function, press the 'CLEAR' button or the 'REPEAT A-B' button again.
 - A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.

NOTE:

- DVD repeats play by chapter or title, CD repeats play by disc or track.
- Depending on the disc, the Repeat function may not work.

DVD





CD



Slow Repeat play

This feature allows you slowly to repeat scenes containing sports, dancing, musical instruments being played etc. so you can study them more closely.

When playing a DVD

1. During play, press the PAUSE ()/STEP button on the remote.
2. By pressing the  button, you can select slow motion play for 1/8, 1/4 or 1/2 of normal speed.
3. Press the REPEAT A-B button to select the point where the function starts. (A)
4. Press the REPEAT A-B button to select the point where the function ends. (B)

NOTE:

- The disc will play from A to B repeatedly at the speed you chose.
- To terminate the function, press the 'CLEAR' button or the 'REPEAT A-B' button again.
- A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.

Adjusting the Aspect Ratio (EZ View)

To play back using aspect ratio (DVD)

Press the EZ VIEW button.

- The screen size changes when the button is pressed repeatedly.
- The screen zoom mode operates differently depending on the screen setting in the initial setup menu.
- To ensure correct operation of the EZ VIEW button, you should set the correct aspect ratio in the initial setup (See page 53).

If you are using a 16:9 TV

① For 16:9 aspect ratio discs

- **Wide Screen**
Displays the content of the DVD title in 16:9 aspect ratio.
- **Screen Fit**
The top and bottom of the screen are cut off. When playing a 2.35:1 aspect ratio disc, the black bars at the top and bottom of the screen will disappear. The picture will look vertically stretched. (Depending on the type of disc, the black bars may not disappear completely.)
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

② For 4:3 aspect ratio discs

- **Normal Wide**
Displays the content of the DVD title in 16:9 aspect ratio. The picture will look horizontally stretched.
- **Screen Fit**
The top and bottom of the screen are cut off and the full screen appears. The picture will look vertically stretched.
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.
- **Vertical Fit**
When a 4:3 DVD is viewed on a 16:9 TV, black bars will appear at the left and right of the screen in order to prevent the picture from looking horizontally stretched.

Adjusting the Aspect Ratio (EZ View)

If you are using a 4:3 TV

① For 16:9 aspect ratio discs

- **4:3 Letter Box**
Displays the content of the DVD title in 16:9 aspect ratio. The black bars will appear at the top and bottom of the screen.
- **4:3 Pan Scan**
The left and right of the screen are cut off and displays the central portion of the 16:9 screen.
- **Screen Fit**
The top and bottom of the screen are cut off and the full screen appears. The picture will look vertically stretched.
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

② For 4:3 aspect ratio discs

- **Normal Screen**
Displays the content of the DVD title in 4:3 aspect ratio.
- **Screen Fit**
The top and bottom of the screen are cut off and the full screen appears. The picture would look vertically stretched.
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

NOTE:

- This function may behave differently depending on the type of disc.

Selecting the Audio Language

You can select a desired language quickly and easily with the AUDIO button.

Selecting the Subtitle Language

You can select a desired subtitle quickly and easily with the SUBTITLE button.

Using the SUBTITLE button

1. Press the SUBTITLE button.
2. The subtitle changes when the button is pressed repeatedly.
3. To turn off the display, press the CLEAR or RETURN button.
 - Initially, the subtitle will not appear on screen.
 - The subtitle languages are represented by abbreviations.



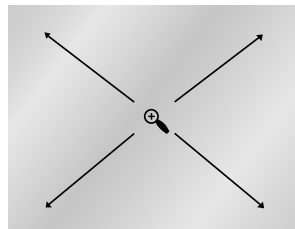
NOTE:

- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 32 subtitle languages.
- **How to have the same subtitle language come up whenever you play a DVD;** Refer to “Setting Up the Language Features” on page 51.

Using the Zoom & 3D Sound Functions

Using the Zoom Function (DVD)

1. During play or pause mode, press the ZOOM button on the remote.
A Zoom mark will be displayed on screen.
2. Use the UP/DOWN or LEFT/RIGHT button to select the part of the screen you want to zoom in on.
3. Press the ENTER button.
- Press ENTER to zoom in 2X/4X/2X/Normal in order. (DVD)



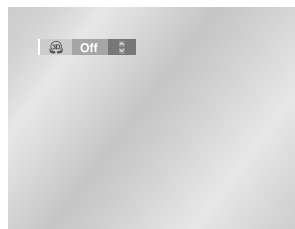
Using the 3D Sound Function (DVD)

The simulated surround effect depends on the disc contents. If you connect the unit to your stereo system, you can enhance sound quality and produce a greater surround effect. This feature is useful when you are using the DVD player with a two channel stereo through the analog outputs.
(Discs which are recorded with LPCM, MPEG or DTS will not work.)

1. During play, press the 3D button. The 3D SOUND mark will be displayed on screen.
2. Press the UP/DOWN buttons to turn the 3D Sound feature on or off.

NOTE:

- 3D Sound is possible only on discs recorded using DOLBY SURROUND or DOLBY DIGITAL. However, some of these discs do not contain rear channel sound signals.
- Depending on the disc, the Zoom and 3D Sound function may not work.



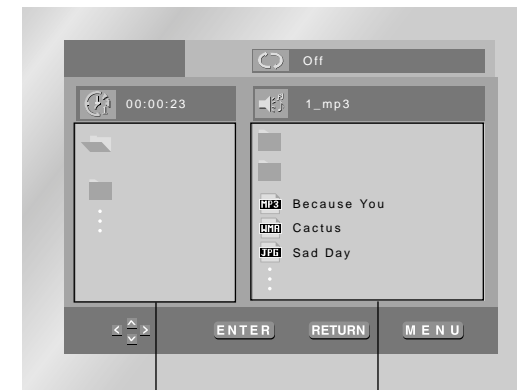
Clips Menu for MP3/WMA/JPEG

Discs with MP3/WMA/JPEG contain individual songs or pictures that can be organized into folders as shown below. They are similar to how you use your computer to put files into different folders.

1. Open the disc cover.
2. Place the disc in the player.
- Place the disc with the labeled side up.
3. Close the cover.
- The cover is closed and you should get a screen that looks like the one below.

- : Name of currently playing file.
- : Current Playback Time.
- : Current Playback Mode : There are 4 modes. They can be selected in order by pressing the REPEAT button.
 - **Off** : Normal Playback
 - **Track** : Repeats the current track.
 - **Folder** : Repeats the current folder.
 - **Random** : Files in the disc will be played in random order.

- : MP3 file icon.
- : JPEG file icon.
- : WMA file icon.
- : Folder icon.
- : Current Folder icon.



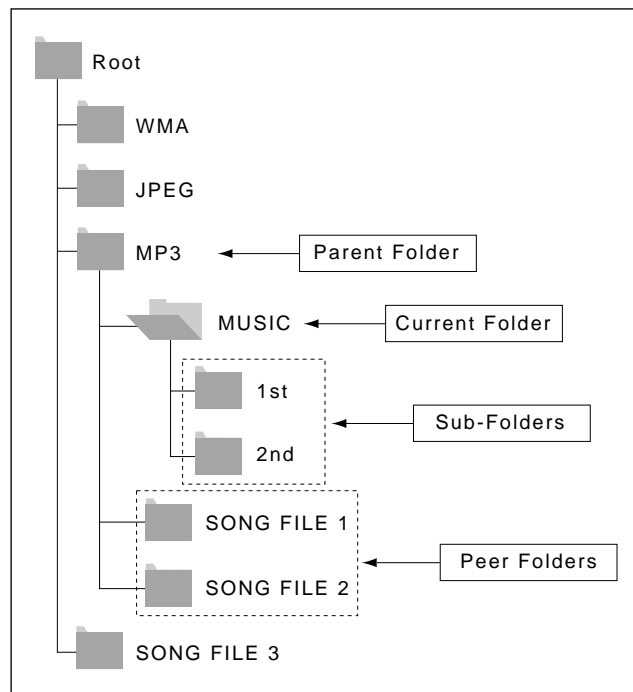
Parent Folder, Current Folder
and Peer Folders

Folders and Files
in Current Folder

Folder Selection

The folder can only be selected in the Stop mode.

- To select the Parent Folder
Press the RETURN button to go to Parent folder, or use the UP/DOWN buttons to select “..” and press ENTER to go to the parent folder.
- To select the Peer Folder
Use the LEFT/RIGHT buttons to highlight left window. Use the UP/DOWN buttons to select the desired folder, then press ENTER.
- To select the Sub-Folder
Use the LEFT/RIGHT buttons to highlight right window. Use the UP/DOWN buttons to select the desired folder, then press ENTER.



MP3/WMA Playback

1. Open the disc cover.
2. Place the disc in the player.
- Place the disc with the labeled side up.
3. Close the cover.
- The cover is closed and you should get a screen that looks like the one below.

MP3/WMA Play Function

1. Select the desired folder. (See page 44 to change folder.)
2. Use the UP/DOWN or LEFT/RIGHT buttons to select a song file.
3. Press ENTER to begin playback of the song file.

Repeat/Random playback

Press the REPEAT button to change playback mode.

There are 4 modes, such as Off, Track, Folder and Random.

- Off : Normal Playback
- Track : Repeats the current song file.
- Folder : Repeats the song files which have the same extension in the current folder.
- Random : Song files which have the same extension will be played in random order.

* To resume normal play, press the CLEAR button.



Picture CD Playback

CD-R JPEG Discs

- Only files with the ".jpg" and ".JPG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- The name of the JPEG file may not be longer than 8 characters and should contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 3000 images can be stored on a single CD.
- Kodak Picture CDs are recommended.
- When playing a Kodak Picture CD, only the JPEG files in the pictures folder can be played.
- Kodak Picture CD : The JPEG files in the pictures folder can be played automatically.
- Konica Picture CD : If you want to see the Picture, select the JPEG files in the clips menu.
- Fuji Picture CD : If you want to see the Picture, select the JPEG files in the clips menu.
- QSS Picture CD : The unit cannot play QSS Picture CD.
- If the number of files in 1 Disc is over 3000, only 3000 JPEG files can be played.
- If the number of folders in 1 Disc is over 300, only JPEG files in 300 folders can be played.

Using the Setup Menu

The Setup menu lets you customize your DVD player by allowing you to select various language preferences, set up a parental level, even adjust the player to the type of television screen you have.

1. With the unit in Stop mode, press the MENU button.
Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.

❶ **Language Setup** : Setup of the Language.

❷ **Audio Setup** : Setup of the Audio Options

❸ **Display Setup** : Setup of the Display Options
Use to select which type of screen you want to watch and several display options.

❹ **Parental Setup** : Setup of the Parental Level
Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.

2. Use the UP/DOWN buttons on the remote to access the different features.

3. Press the ENTER button to access the sub features.

To make the setup screen disappear after setting up, press the MENU button again.



NOTE:

- **How to make the Setup menu disappear or return to menu screen during set up;**
Press RETURN or LEFT button.
- Depending on the disc, some Setup Menu selections may not work.

Setting Up the Language Features

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

Using the Player Menu Language

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
4. Select **Player Menu** using UP/DOWN buttons, then press the RIGHT or ENTER button.
5. Use the UP/DOWN buttons to select the desired language.
6. Press the ENTER button.
 - The language is selected and the screen returns to Setup menu.
 - To make the Setup menu disappear, press the RETURN or LEFT button.



Using the Disc Menu Language

This function changes the text language only on the disc menu screens.

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
4. Select **Disc Menu** using UP/DOWN buttons, then press the RIGHT or ENTER button.
5. Use the UP/DOWN buttons to select the desired language.
 - Select "Others" if the language you want is not listed.
6. Press the ENTER button.
 - The language is selected and the screen returns to Setup menu.



Setting Up the Language Features

Using the Audio Language

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
4. Select **Audio** using UP/DOWN buttons, then press the RIGHT or ENTER button.
5. Press the UP/DOWN buttons to select the desired language.
 - Select "Original" if you want the default soundtrack language to be the original language the disc is recorded in.
 - Select "Others" if the language you want is not listed.
6. Press the ENTER button.
 - The language is selected and the screen returns to Setup menu.



Using the Subtitle Language

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
4. Select **Subtitle** using UP/DOWN buttons, then press the RIGHT or ENTER button.
5. Use the UP/DOWN buttons to select the desired language.
 - Select "Automatic" if you want the subtitle language to be the same as the language selected as the audio preference.
 - Select "Others" if the language you want is not listed. Some discs may not contain the language you select as your initial language; in that case the disc will use its original language setting.
6. Press the ENTER button.
 - The language is selected and the screen returns to Setup menu.



NOTE:

- If the selected language is not recorded on the disc, the original pre-recorded language is selected.
- **How to make the Setup menu disappear or return to menu screen during set up;** Press RETURN or LEFT button.

Setting Up the Display Options

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Display Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
4. Use the UP/DOWN buttons to select the desired item. Then press the RIGHT or ENTER button.

TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio).

1. 4:3 Letter Box : Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.
2. 4:3 Pan Scan : Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)
3. 16:9 Wide : You can view the full 16:9 picture on your widescreen TV.

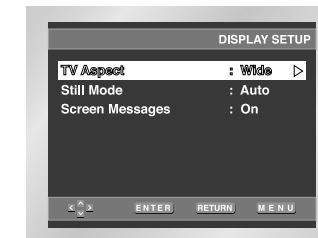
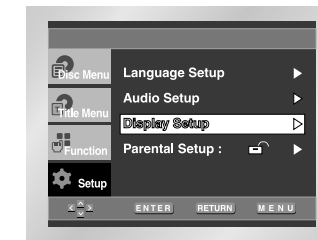
Still Mode

These options will help prevent picture shake in still mode and display small text clearer.

1. Auto : When selecting Auto, Field/Frame mode will be automatically converted.
2. Field : Select this feature when the screen shakes in the Auto mode.
3. Frame : Select this feature when you want to see small letters more clearly in the Auto mode.


Screen Messages

Use to turn on-screen messages On or Off.



Setting Up the Parental Control

The Parental Control function works in conjunction with DVDs that have been assigned a rating level which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

1. With the unit in Stop mode, press MENU button. The Setup Menu screen appears.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Parental Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
4. Use RIGHT or ENTER to select **Yes** if you want to use a password.
The **Enter Password** screen appears.
5. Select your password with the UP/DOWN/LEFT/RIGHT buttons and press the ENTER button.
The **Re-enter Password** screen appears to confirm the password. Select your password again.
The Parental Control screen appears ().

About the Rating Level ;

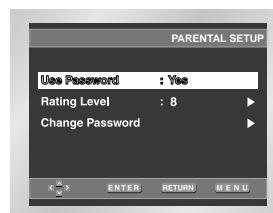
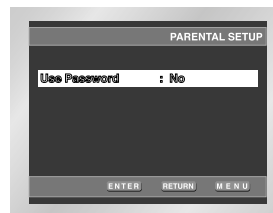
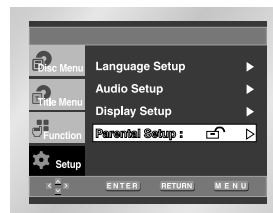
The Rating Level will work only when **Use Password** is set to Yes. (To unlock the player, use RIGHT or ENTER to select No.) Use UP/DOWN to select **Rating Level**. Press ENTER.
- Use UP/DOWN to select the level(e.g. Level 6) and press ENTER.
Discs that contain Level 7 will now not play.
- To cancel the rating level, use RIGHT or ENTER to select No in Use Password.

About the Change Password ;

- Use UP/DOWN to select Change Password.
Press ENTER. The Change Password screen appears.
- Select your new password. Select the new password again.

NOTE:

- **How to make the Setup menu disappear or return to menu screen during set up;**
Press RETURN or LEFT button.
- If you have forgotten your password, see Forgot Password in the Troubleshooting Guide.



Cautionary Notes

Cautions on Using the Player

- **Avoid magnetic environments.**
Using the player under strong fluorescent lighting, in a car, near a TV or magnetic object may deteriorate recorded images.
- **Be sure to remove the disc, turn off the player, and remove the battery pack after use.**
- **If used near a broadcast station or power transmission tower, the video may become distorted due to interference.**
- **Do not drop the player or subject it to strong vibration or shock.**
- **Do not place the player near a lamp.**
Heat from the incandescent light bulbs may cause deformation or malfunction.
- **Always observe the rules regulating the use of electrical devices on airplanes.**
- **Do not expose this product to high temperature and humidity.**
This product can be operated within a temperature range of 50°F~86°F and humidity range of 30%~80%.
Do not expose this product to direct sunlight or in a car with its windows closed.
Doing so may result in deformation of casing and circuitry as well as cause fire or bodily injury.
- **Do not let water, sand, dust, or other foreign objects in the player. Avoid using or storing the player in a place where there is smoke, steam, or moisture.**
Doing so may cause malfunction or mold on the pick-up lens. Keep the player in a well-ventilated area.
- **When using the player in cold environments, the color LCD screen may not be visible immediately after the power is turned on.**
This is not a malfunction. Do not operate the player in temperatures below 50°F.
- **Be especially careful not to scratch the pick-up lens during loading/unloading of the disc, or cleaning.**
Doing so may result in malfunction.

Cautionary Notes

When Moving the Player

- **Be sure to remove the disc from the player before packing for moving.**

It is recommended that you also remove the disc from the player and turn off the power when not using the player.

Saving Power

- **It is recommended that you turn off the power to the DVD player when not in use.**

If you are not going to use it for prolonged period of time, unplug the power cord from the wall outlet.

Maintenance of LCD Screen

- **To keep the screen clean, turn off the power and then wipe with a soft cloth.**

About LCD Screen

- This LCD panel is designed with the latest technology, ensuring 99.99% of active pixels.

Cautionary Notes

Cautions on Using Battery pack

Danger!

Always follow the safety information below when using the battery pack. Otherwise, a short circuit, overheating, smoke, fire, or damage to the product may result.

1. Never disassemble or modify the battery pack in any way. Do not touch the terminal of the battery pack with a metal object.
2. Do not let any metal object inside the battery pack.
3. Do not place the battery pack in direct sunlight, dashboard of a vehicle, or high temperature.
4. Do not expose the battery pack to water, fire, or heat.
5. Always use the included AC adapter when charging the battery pack.
6. This battery pack is designed exclusively for your portable DVD player. Do not use it with other devices.

Warning!

1. Do not drop or subject to strong vibration.
2. Keep out of reach of children.
3. The battery pack may leak fluid that is harmful to your eyes.
 - If this fluid gets in your eyes, wash eyes immediately with large amounts of running water and get medical attention immediately.
 - If the fluid gets on your skin or clothing, wash immediately with water.

Caution!

1. When not using the battery pack, remove it and store in a cool place.
2. Do not use the AC adapter or battery pack for a prolonged period of time during recharging. You might get a low temperature burn.
3. Keep the battery pack free from smoke, steam, moisture, and dust.
 - Do not place the battery pack near a kitchen, heater, or any other place where there is smoke or steam. Doing so may result in fire or electric shock.
 - Avoid direct sunlight, heater, or high temperature place. etc, inside of a car. It can cause explosion or fire. Doing so may cause a short circuit, overheating, smoke, fire, or damage to the product.
4. Using the battery pack under 50°F or over 86°F can cause reduced battery life.

Cautionary Notes

After a Recharge, store the Battery pack separately.

- This battery pack is a lithium ion battery. Even when not in use, power will drain slowly. So use a fully charged battery pack.
- Recharge until the charge lamp stays on green. A partial charging of the battery pack decreases the overall lifetime of the battery.

Cautions on Charging Battery pack

- Charge within the surrounding temperature range of 50°F–86°F. Charging at a low surrounding temperature slows down the charging time and decreases the battery pack. You cannot fully charge the battery pack at high temperature.
- If the DVD player is overheated and the battery pack's internal temperature goes up to a certain level, you will not be able to charge the battery pack. (The lamp flashes quickly and the light does not come on.)
In this case, remove the battery pack. After the internal temperature reaches a safe level, charging will begin automatically.
- The battery pack becomes warm during recharge or use. This is normal and is not a cause for concern.
A hot battery pack may take longer to charge or may not be charged at all. Wait until the battery pack cools down before charging.

Battery pack Life and Use (Low Temperature)

- The lifetime of the battery pack is limited.
Power is slowly drained even when not using. Though it varies for differing storage conditions, the battery pack stored unused for a year has a much shorter lifetime.
If the battery pack does not last long even after a full charge, you might have to replace it with a new one.
- Total operating time of the battery pack becomes much shorter when used at temperatures below 50°F.
Electrical energy is discharged due to internal chemical action of the battery pack.
A very low temperature may impede this chemical action and shortens the total operating time.

Caution

- Be sure to use only the battery pack exclusively designed for your DVD player.

NOTE:

- When not using the DVD player, always turn off the power to conserve the battery pack.
If the AC adapter is connected to the player, charge the battery pack with the power to the player turned off.

Cautionary Notes

Cautions on Storing Battery pack

- Even when not in use, power is consumed continuously. To reduce the power consumption, follow the procedure below.
 1. Remove the battery pack from the DVD player after every use.
 2. When not using the DVD player, turn off the power. If the player is left in the standby mode, power will be slowly drained from the battery pack and the charging capacity will decrease.
 3. Before storing the battery pack, completely drain the power by operating the player and store in a cool, dry place.
If stored in a hot place, the capacity of the battery pack will decrease.
 4. The battery pack must be recharged and then used on the DVD player at least once every 6 months.
This helps to prevent the loss of capacity.

AC Adapter

The supplied AC adapter is compatible with 50/60Hz electrical system (110V~240V range).
Use of the AC adapter depends on the specific voltage requirements and electrical outlet design.

- Using the AC adapter near a radio may cause poor reception.
- Do not let any type of flammables, liquid, or metal objects in the adapter.
- The adapter is covered with an outer plastic sheath. Do not peel open the sheath.
- Do not drop, jar, or shake the adapter.
- Do not place in direct sunlight.
- Do not use in high temperature or cold and humid environments.

Cleaning and Maintenance

- Many plastic parts are used in this DVD player casing. Do not use volatile chemicals such as benzene or thinner.
This might damage the finish.
- Wipe the casing with a soft, dry cloth. For excessive dirt, use a cloth dampened in a diluted neutral detergent. and wipe again with a soft, dry cloth.
- Wipe off fingerprints or dirt on the LCD screen using a soft, dry cloth.

Troubleshooting

If your DVD player does not seem to be functioning properly, check the items below before you contact a Samsung authorized service center.

Symptom	Check
Power does not turn on or suddenly turns off.	<ul style="list-style-type: none"> • Make sure the AC power cord is securely plugged into an AC outlet. • Turn the power off and then back on.
Battery pack is in place but the power does not turn on or suddenly turns off	<ul style="list-style-type: none"> • Check that the battery pack is charged. If not, recharge it.
Remote control won't work	<ul style="list-style-type: none"> • Check that the battery is inserted in the "+" and "-" direction properly. • The batteries may be dead. Replace them with new batteries. • Check that the signal transmission is directed at the remote control sensor on the DVD player. • Remove the obstacle between the remote control unit and remote control sensor.
No picture or sound	<ul style="list-style-type: none"> • Check that the video and audio cables are securely connected. • Check that the disc is a DVD (region number 1 or all), DVD-RW, AUDIO CD. • Do not use a disc that has scratches or dirt. • Check that the label-side of the disc is facing up. • The pick-up lens of the DVD player may be dirty. Contact the service center for lens cleaning. • Check that the TV channel is set to VIDEO or AV if viewing with a TV.
Forgot password	<ul style="list-style-type: none"> • Press power on from a cold start with no disc in the unit. Press the STOP and PLAY buttons simultaneously on the unit for three seconds. The Select Menu Language display will appear. Select the desired language by using UP or DOWN button. Press the MENU button on the remote control to select the Parental Mode. The Parental Mode is now unlocked as indicated on the display. Press the DOWN button to select Parental. Press ENTER and the Create Password display will appear. You can now set your rating level and change your password to a new number.

The built-in micro controller can be influenced by external electrical noise. If you believe this may be the cause of the problem, turn off the DVD player and then back on.

Troubleshooting

Symptom	Check
No picture	<ul style="list-style-type: none"> • Check that the LCD display is turned on.
No sound	<ul style="list-style-type: none"> • Check that the display panel is open. If it is closed, audio will not be output to the speakers. • Check the volume setting. If set to zero, turn up volume level. • Check that the headphones are plugged into the PHONES jack. Speakers cannot be used with the headphones.
No picture and sound	<ul style="list-style-type: none"> • Check that the DVD player is in the DVD mode and not in the INPUT mode.
Distorted video or sound	<ul style="list-style-type: none"> • Use a disc without scratches or dents.
While in the input mode, no picture is output from the external component to the DVD player	<ul style="list-style-type: none"> • Check that the video or audio cable is securely connected. • Make sure the S-Video cable is used for output only. • Check that the DVD player is in the INPUT mode and not in the DVD mode.

Troubleshooting

Symptom		Check
DVD	Video does not appear with a external component connected to the DVD player	<ul style="list-style-type: none"> • Check that the TV is set to VIDEO or AV. • Check that the video or audio cable is securely connected.
	Dolby Digital audio volume is too low	<ul style="list-style-type: none"> • Change the "Dynamic Compression" setting to "On". This will turn up the comparatively low volume level of Dolby Digital, which provides the most wide, dynamic sound range.
Battery pack operation	Battery pack won't charge	<ul style="list-style-type: none"> • Check that the DVD player is turned off. You cannot charge the battery pack with the player turned on. • A hot battery pack may take longer to charge. Wait until the battery pack is sufficiently cooled down.
	Power does not turn on	<ul style="list-style-type: none"> • Replace with a fully charged battery pack or use the AC adapter.
	Power charge lamp does not light (Battery pack won't charge)	<ul style="list-style-type: none"> • Replace with a fully charged battery pack or use the AC adapter. If the DVD player is overheated and the battery pack's internal temperature goes up to a certain level, you will not be able to charge the battery pack. In this occurs, remove the battery pack. After the battery pack has sufficiently cooled down, charging will begin automatically. • Check that the temperature is within the range of 50°F~86°F. • Check that the DC cord of the AC adapter is plugged in correctly.
Battery pack operation	Power charge lamp quickly flashes Green	<ul style="list-style-type: none"> • Remove the DC cord from the battery pack and then re-plug. If the battery pack is installed, remove the DC cord from the battery pack before performing above procedure. • Recharge a different power pack. If the same symptom occurs, your AC adapter may be defective. If the second battery pack charges without any problem, your first battery pack may be defective or needs battery replacement.

Specifications

General	Power Requirements	AC 100-240V, 50/60 Hz
	Power Consumption	16 W
	Weight	2.6 lbs (without battery pack)
	Dimensions	W 10.5 in x D 7 in x H 1.1 in
	Operating Temperature Range	+50°F to +86°F
	Operating Humidity Range	30 % to 80 %
Disc	DVD (DIGITAL VERSATILE DISC)	Reading Speed : 11.45 ~ 15.09 ft/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 5" (COMPACT DISC)	Reading Speed : 15.75 to 18.37 ft/sec. Maximum Play Time : 74 min.
	CD : 3 1/2" (COMPACT DISC)	Reading Speed : 15.75 to 18.37 ft/sec. Maximum Play Time : 20 min.
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)
	S-VIDEO	Luminance Signal : 1.0 Vp-p (75 Ω load) Chrominance Signal : 0.286 Vp-p (75 Ω load)
Audio Output	2 channel	L(1/L), R(2/R)
	*Frequency Response	48 kHz Sampling : 4 Hz to 22 kHz 96 kHz Sampling : 4 Hz to 44 kHz
	*S/N Ratio	110 dB
	*Dynamic Range	75 dB
	*Total Harmonic Distortion	0.01 %

* : Nominal specification

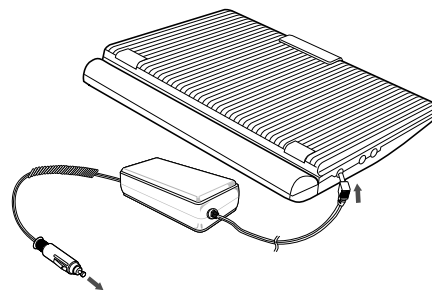
- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

Car Power Adapter

How to use the adapter

- **Use it as a power supply for your DVD player (See the illustration to the right.)**

1. Plug the power plug of the power adapter into your vehicle's cigar lighter.
(Be sure to use it with the vehicle's engine turned on.)
2. Connect the connector of the power adapter cable to the power inlet on your DVD player.
3. Use it only after your DVD player is turned on.



Cigar Lighter Connection

How to replace the fuse

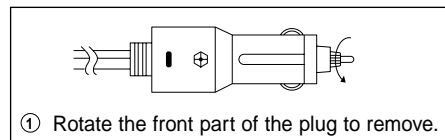
- **This product contains a built-in fuse to protect the power adapter from short-circuiting.**

- **If the power adapter does not work, check whether the fuse has blown, and then replace the fuse as needed.**

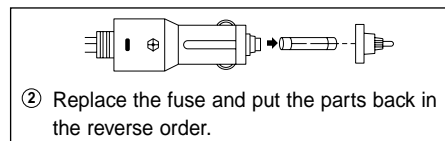
(If the problem persists after replacing the fuse, please contact the Samsung service center nearest you.)

- **Be sure to use a 250V/3A fuse only.**

1. Rotate the front part of the plug to remove it from the power adapter as shown in the illustration below.
2. Replace the fuse with a new fuse of the proper ratings and put the parts together in the order they were removed.



① Rotate the front part of the plug to remove.



② Replace the fuse and put the parts back in the reverse order.

Car Power Adapter

Be sure to observe the following warnings and cautions

- This product is intended for use on negative grounded vehicles only. Using it on a positive grounded vehicle may result in fire or malfunction.
- When plugging this product into your vehicle's cigar lighter, do so with your vehicle's engine turned on. (Using the power adapter with your vehicle's engine turned off may drain the vehicle's battery of all power and the engine may fail to start.)
- Be sure to remove the power adapter from the cigar lighter when turning the vehicle's engine on or off.
- Depending on your vehicle's make and model, you may not be able to use this product because of the difference in shape of the cigar lighter.
- Your power adapter may not work due to a loose electrical contact if there are cigarette ashes inside the cigar lighter. Clean any ashes or debris from the socket before using.
- When using this product to supply power to your DVD player, picture interference may occur if they are in close proximity of each other. In this case, place them about 4 inches (10m) apart.
- If static or noise occurs on the car radio during use of this product, place the power adapter sufficiently away from the car radio.
- Do not disassemble or modify this product in any way.
- Do not drop or apply strong shock to this product.
- Do not store or use this product in direct sunlight or high temperature. (This may cause deformation, discoloration, or malfunction.)
- Do not leave this product in a vehicle with closed windows.
- Do not use this product to charge batteries.
- Be sure to use a 250V/3A fuse only. Never replace the fuse with a wire or the like as this may cause a fire. Please refer to the reverse side of this guide for replacing the fuse.

Product Specifications

Input Voltage	DC12V~DC24V
Output	DC8.4V 2A
Corresponding Vehicle	A negative grounded vehicle with a DC 12V/24V car and a cigar lighter
Operating temperature	0°C ~ 40°C
Fuse	250v 3A
Dimensions	100(L) x 45(W) x 27(H) (unit: millimeter)
Cable Length	Cigar Lighter: 435 ± 70 (unit: mm), DVD Cable: 1,450 ± 100 (unit: mm)
Weight	About 190g
* Design and specifications are subject to change for product improvement without prior notice.	

Warranty

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for the following limited warranty period:

One (1) Year Parts and Labor

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States, and does not include transportation, installation, removal or reinstallation. Warranty repairs must be performed by SAMSUNG's authorized service center. To receive warranty service, the original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation to and from the service center is the responsibility of the purchaser.

SAMSUNG will repair or replace this product, at our option and at no charge with new or reconditioned parts, if found to be defective during the limited warranty period specified above. The product must be returned during the warranty period with transportation charges prepaid to SAMSUNG's designated service center. Prior to returning any product for warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. SAMSUNG does not warrant uninterrupted or error-free operation of the product. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; applications and uses for which this product was not intended; failures or problems which are caused by products or equipment not supplied by SAMSUNG; accidents, misuse, abuse, neglect, misapplication, fire, water, lightning or other acts of nature; incorrect electrical line voltage, fluctuations or surges; damage caused by improper or faulty installation; improper connection with any peripheral; product alteration or modification; improper or unauthorized repair; cosmetic damage or exterior finish; product with altered serial numbers; failure to follow operating instructions, customer adjustments, maintenance and environmental instructions that are covered and prescribed in the instruction book; use of non-SAMSUNG or unauthorized parts, supplies, accessories or equipment which damage this product or result in service problems; failures or problems due to incompatibility with other equipment.