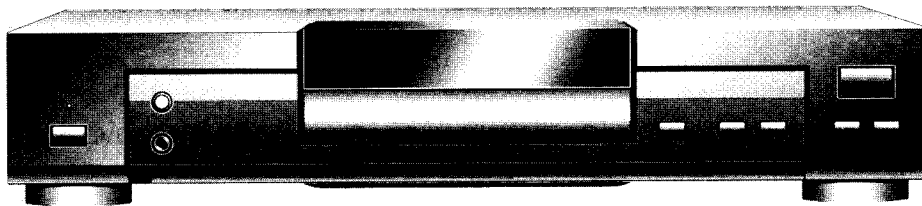
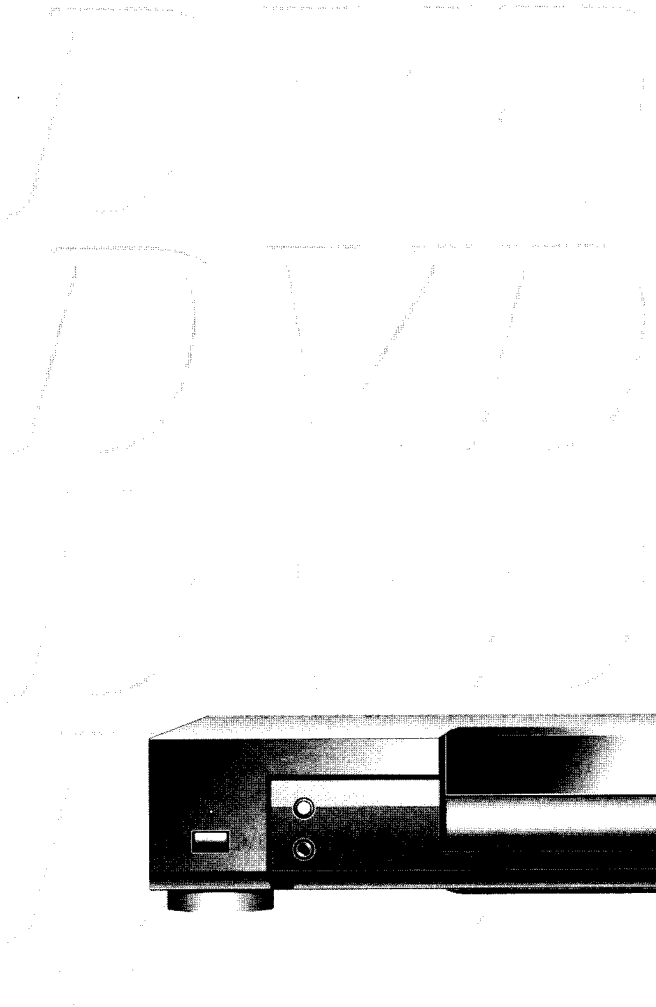


**TOSHIBA**



# DVD VIDEO PLAYER **SD-3108**

OWNER'S MANUAL



Introduction

Connections

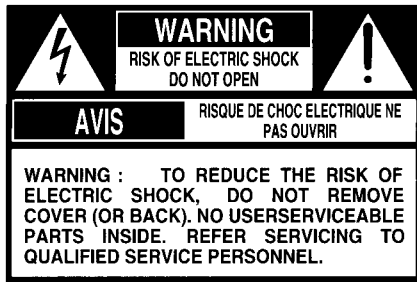
Basic Playback

Advanced Playback

Function Setup

Others

# SAFETY PRECAUTIONS



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



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

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**ATTENTION:** POUR EVITER LES CHOCES ELECTRIQUE, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND.

**CAUTION:** This Digital Video Disc Player 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 herein hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.  
Visible laser radiation when open and interlocks defeated.  
DO NOT STARE INTO BEAM.

**FCC NOTICE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation.  
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.  
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**WARNING:** Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user's authority to operate the equipment.

In the spaces provided below, record the Model and Serial No. located on the rear panel of your DVD video player.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Retain this information for future reference.

### Location of the required label

PRODUCT IS CERTIFIED BY THE MANUFACTURER TO COMPLY WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT THE DATE OF MANUFACTURE.

MANUFACTURED

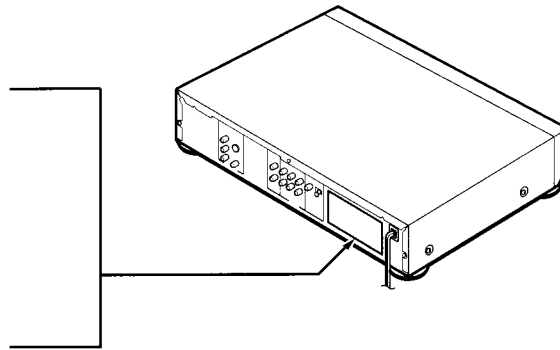
TOSHIBA AMERICA CONSUMER PRODUCTS, INC.  
82 TOTOWA RD., WAYNE, NJ 07470, U.S.A

or

PRODUCT IS CERTIFIED BY THE MANUFACTURER TO COMPLY WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT THE DATE OF MANUFACTURE.

MANUFACTURED

TOSHIBA OF CANADA, LTD.  
191 McNABB ST., MARKHAM, ONTARIO,  
L3R 8H2, CANADA



## IMPORTANT SAFETY INSTRUCTIONS

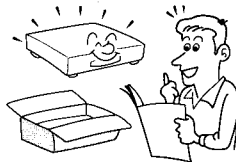
**CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.**

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

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

#### 1. Read owner's manual

After unpacking this product, read the owner's manual carefully, and follow all the operating and other instructions.



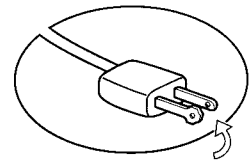
#### 2. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.



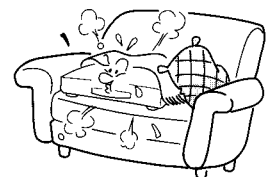
#### 3. Grounding or Polarization

This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.



#### 4. Ventilation

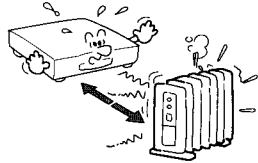
Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.



# IMPORTANT SAFETY INSTRUCTIONS

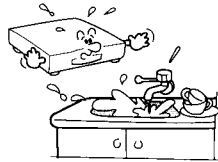
## 5. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



## 6. Water and Moisture

Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool and the like.



## 7. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.



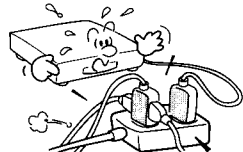
## 8. Power-Cord Protection

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, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.



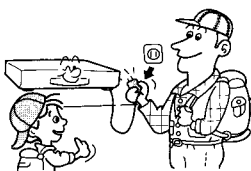
## 9. Overloading

Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.



## 10. Lightning

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



## 11. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.



## 12. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

## 13. Accessories

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



A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

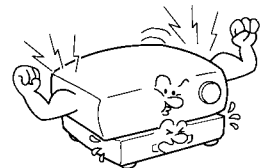
## 14. Disc Tray

Keep your fingers well clear of the disc tray as it is closing. Neglecting to may cause serious personal injury.



## 15. Burden

Do not place a heavy object on or step on the product. The object may fall, causing serious personal injury and serious damage to the product.



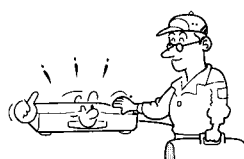
**16. Headphones**

When you use headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.



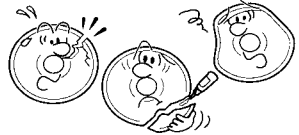
**21. Safety Check**

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.



**17. Disc**

Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.



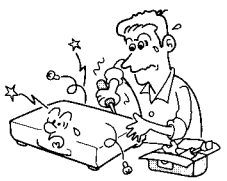
**18. Damage Requiring Service**

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a) When the power-supply cord or plug is damaged.
- b) If liquid has been spilled, or objects have fallen into the product.
- c) If the product has been exposed to rain or water.
- d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- e) If the product has been dropped or damaged in any way.
- f) When the product exhibits a distinct change in performance - this indicates a need for service.

**19. Servicing**

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



**20. Replacement Parts**

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

# Precautions

## Notes on Handling

- When shipping the DVD video player, the original shipping carton and packing materials come in handy. 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 video player. Do not leave rubber or plastic products in contact with the DVD video player for a long time. They will leave marks on the finish.
- The top and rear panels of the DVD video player may become warm after a long period of use. This is not a malfunction.
- When the DVD video player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the DVD video player for a long period, the unit may not function properly in the future. Turn on and use the DVD video player occasionally.

## Notes on Locating

- When you place this DVD video player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the DVD video 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 video player.
- If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

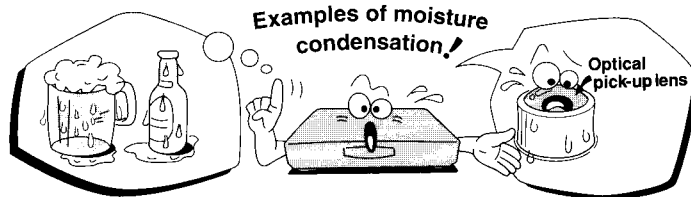
## To Obtain a Clear Picture

The DVD video 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

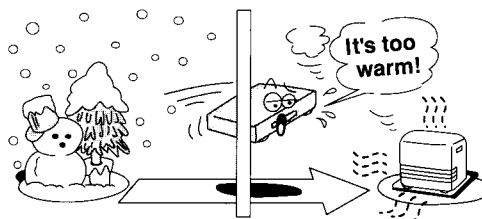
**Moisture condensation damages the DVD video player. Please read the following carefully.**

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 video player.



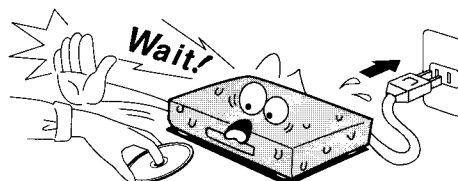
■ **Moisture condensation occurs during the following cases.**

- When you bring the DVD video player directly from a cold place to a warm place.
- When you use the DVD video 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 video player in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the DVD video player in a humid place.



■ **Do not use the DVD video player when moisture condensation may occur.**

If you use the DVD video player in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the DVD video player to the wall outlet, turn on the DVD video player, and leave it for two or three hours. After two or three hours, the DVD video player will have warmed up and evaporated any moisture. Keep the DVD video player connected to the wall outlet and moisture condensation will seldom occur.



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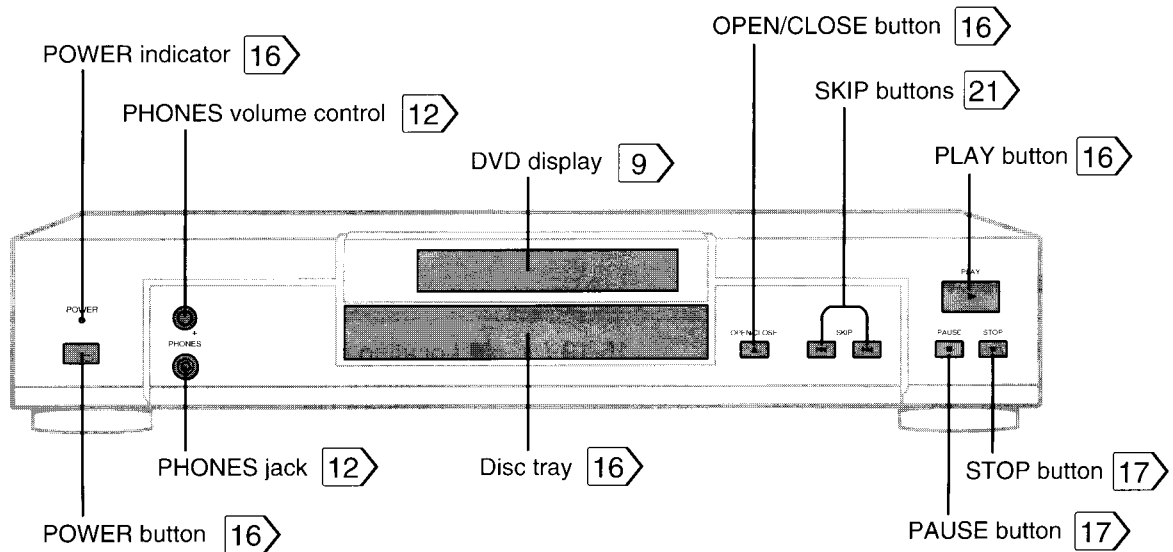
Others

# Identification of Controls

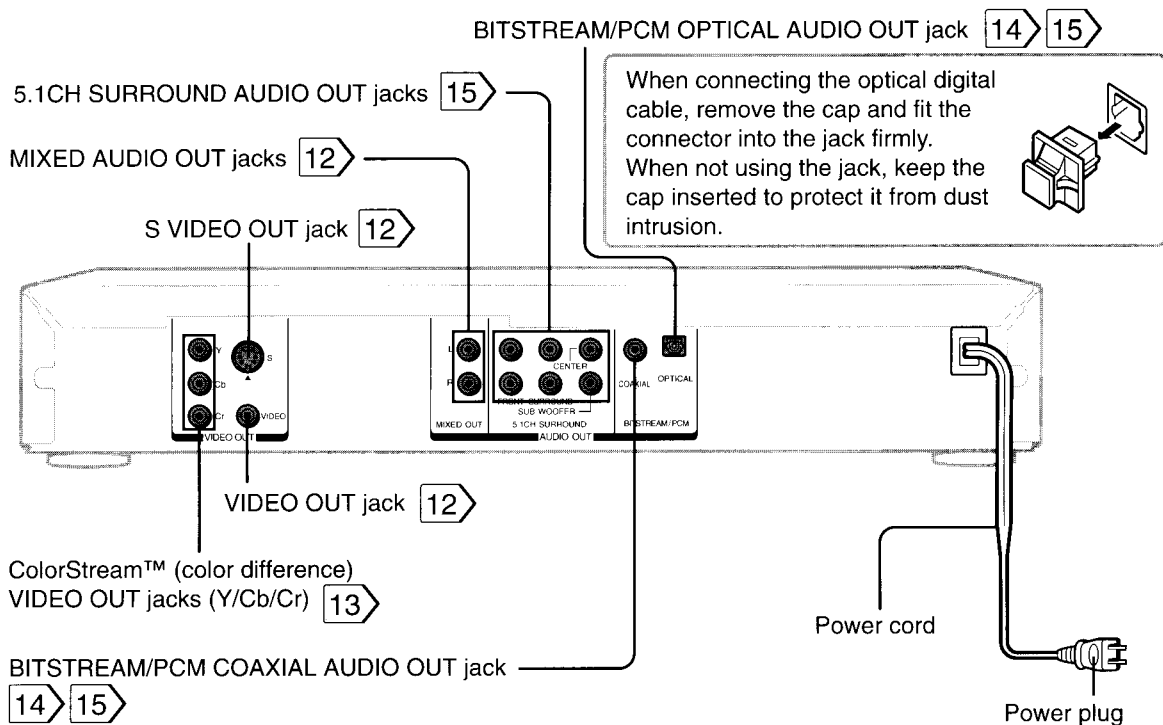
See the page in  for details.

## Front Panel / Rear Panel / DVD Display

### Front Panel




### Rear Panel

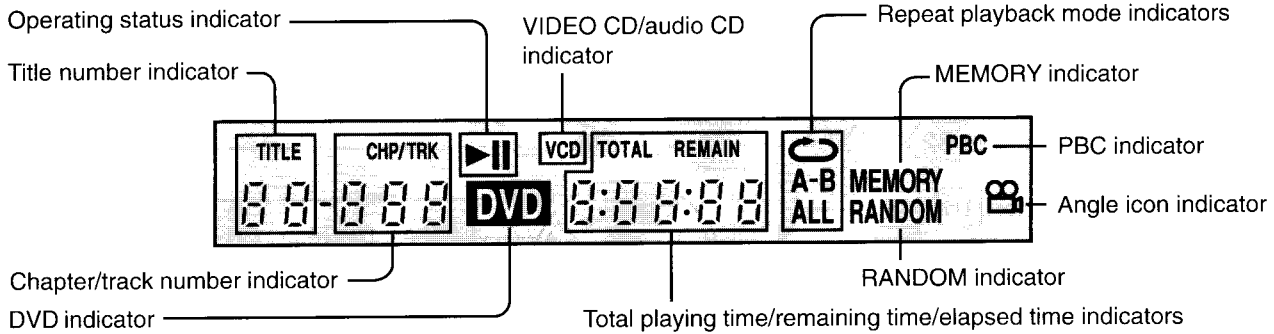




## DVD Display

■ Pressing the FL DIMMER button on the remote control turns the DVD display on or off.

FL DIMMER  
 On ↔ Off



■ The indicators vary depending on the kinds of discs you play.

### DVD Video disc

- When closing the disc tray:

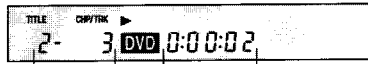
Example



Total number of titles

- During playback:

Example



Playing chapter 3 in title 2      Elapsed time of the current title

Some DVD video discs may not display the chapter numbers or elapsed time.

### VIDEO CD

- When closing the disc tray:

Example



Total number of tracks      Total playing time of the disc

Lights up when using a PBC-equipped VIDEO CD.

- During playback:

Example



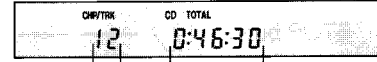
Playing track 6      Elapsed time of the current track

Some VIDEO CDs may not display the track numbers or elapsed time.

### Audio CD

- When closing the disc tray:

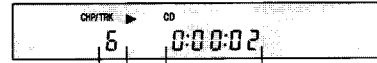
Example



Total number of tracks      Total playing time of the disc


- During playback:


Example





Playing track 6      Elapsed time of the current track


### Other indicators


 When playing back the same title, chapter or track repeatedly. [23]


 When playback is paused. [17]

 During random playback. [25]

 When playing back a specific segment repeatedly. (A-B repeat) [23]

 During memory playback. [24]

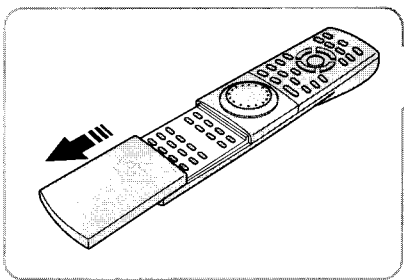
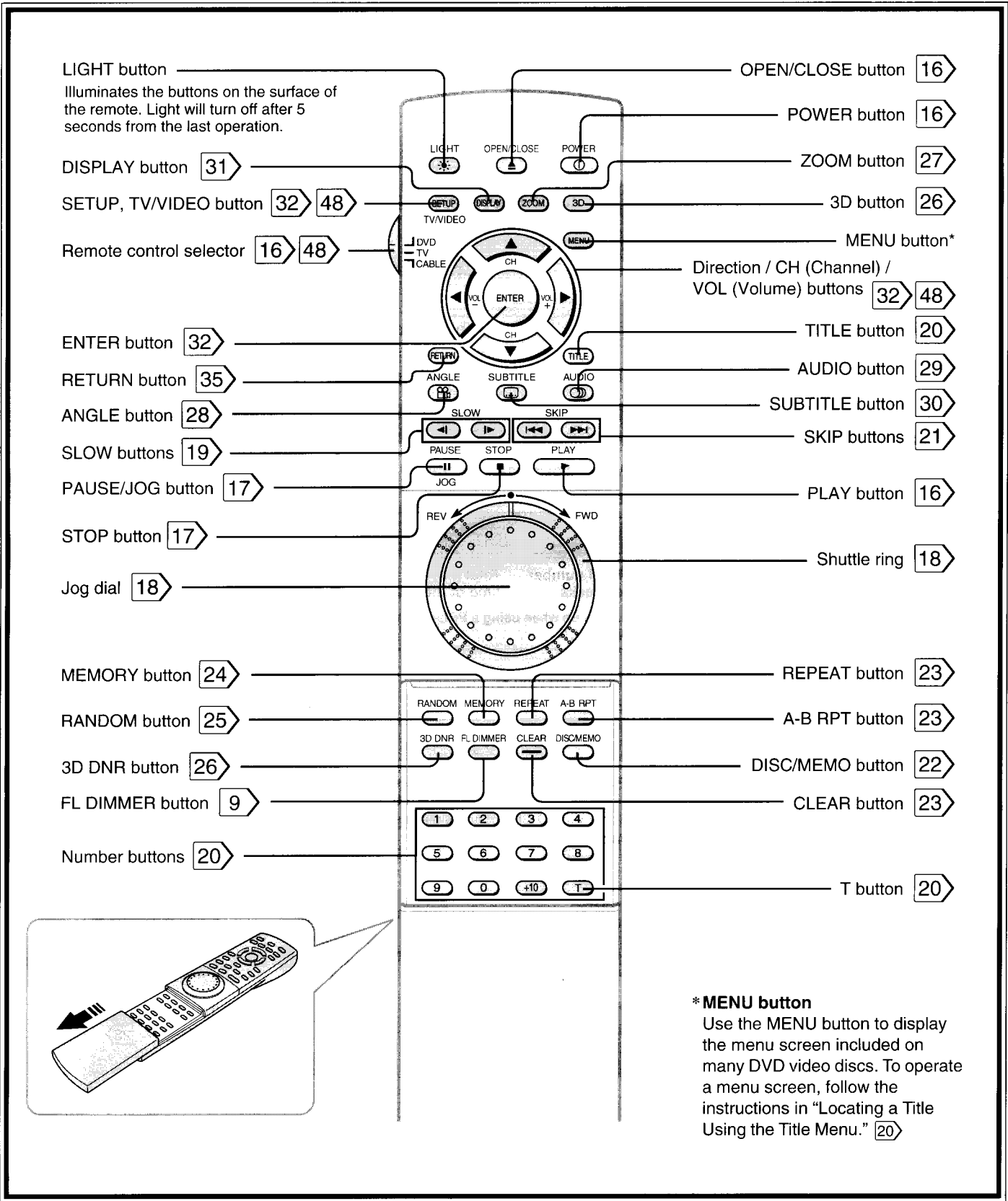
 When playing back the entire disc repeatedly. [23]

 When the camera angle can be changed. [28]

# Identification of Controls (continued)

The instructions in this manual describe the functions on the remote control. See the page in  for details.

## Remote Control



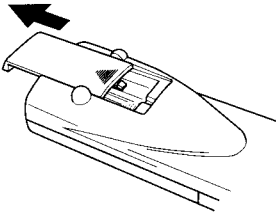
**\* MENU button**  
Use the MENU button to display the menu screen included on many DVD video discs. To operate a menu screen, follow the instructions in "Locating a Title Using the Title Menu." 20

## Preparing the Remote Control

Insert the batteries into the remote control so you can use it to operate the DVD video player.

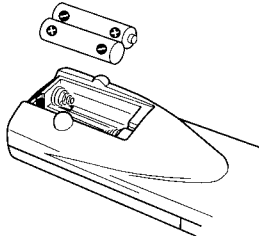
1

Open the cover.



2

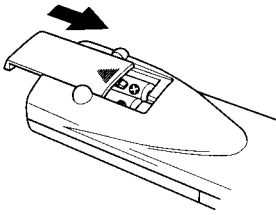
Insert batteries (AA size).



Make sure to match the + and – on the batteries to the marks inside the battery compartment.

3

Close the cover.



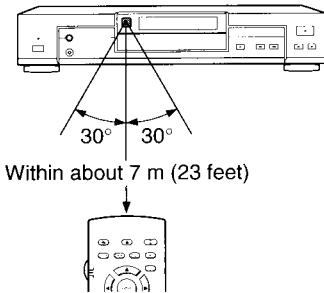
### Notes on batteries

- Improper use of batteries may cause battery leakage and corrosion. To operate the remote control correctly, follow the instructions below.
- Do not insert batteries into the remote control in the wrong direction.
  - Do not charge, heat, open, or short-circuit the batteries. Do not throw batteries into a fire.
  - Do not leave dead or exhausted batteries in the remote control.
  - Do not use different types of batteries together, or mix old and new batteries.
  - If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.
  - If the remote control does not function correctly or if the operating range becomes reduced, replace all batteries with new ones.
  - If battery leakage occurs, wipe the battery liquid from the battery compartment, then insert new batteries.

## Operating with the Remote Control

This section shows you how to use the remote control.

Point the remote control at the remote sensor and press the buttons.



Distance: About 7 m (23 feet) from the front of the remote sensor  
 Angle: About 30° in each direction of the front of the remote sensor

- \* Do not expose the remote sensor of the DVD video player to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the DVD video player via the remote control.

### Notes on the remote control

- Direct the remote control at the remote sensor of the DVD video player.
- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not open the remote control.

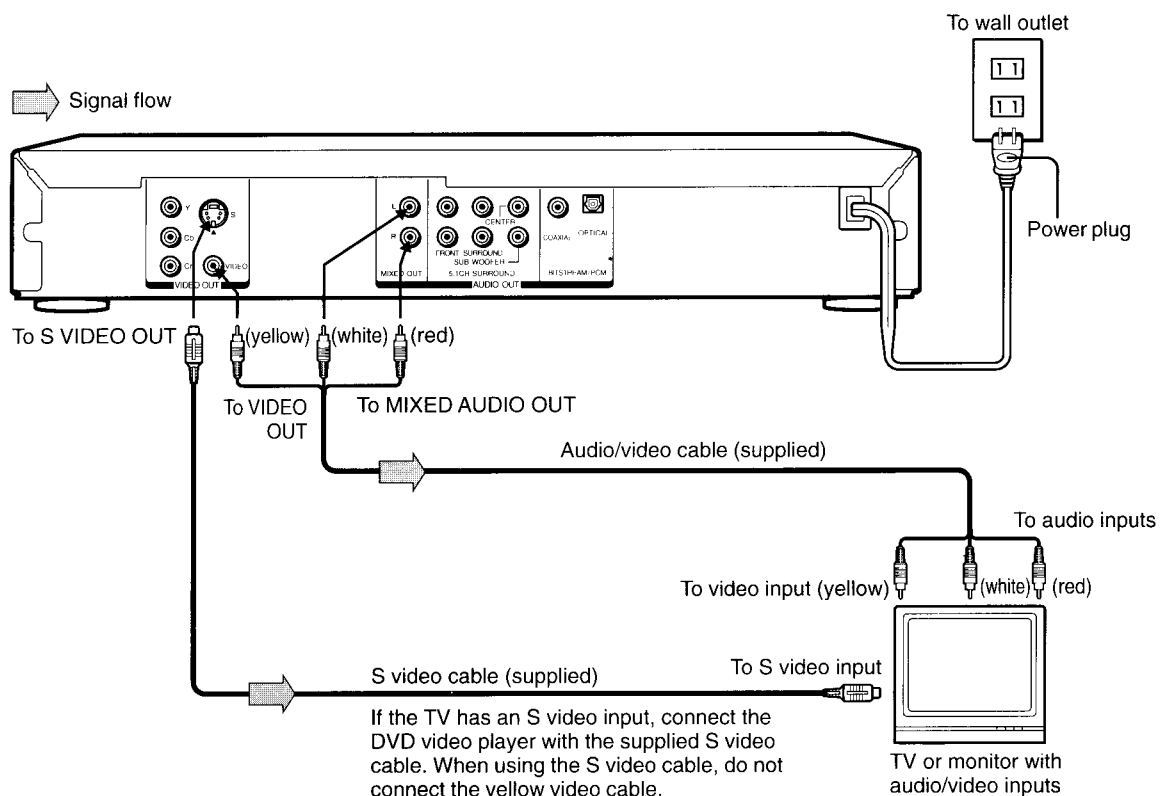
# Connecting to a TV

Connect the DVD video player to your TV.

## Connecting to a TV

### ■ Selecting the output sound

From the on-screen displays, set the "Audio Out Select" to "Analog 2ch." 32 38

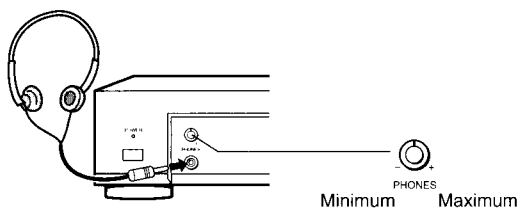


### Notes

- Refer to the owner's manual of the connected TV as well.
- When you connect the DVD video player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- If your television set has one audio input, connect the DVD video player to a Y cable adapter (not supplied) and then connect to your TV.
- Connect the DVD video player to your TV directly. If you connect the DVD video player to a VCR, TV/VCR combination or video selector, the playback picture may be distorted as DVD video discs are copy protected.

### Connecting headphones

Connect headphones to the PHONES jack on the front panel using a stereo plug. Before connecting, temporarily turn down the volume with the PHONES volume control. Readjust to your preference when playback begins.



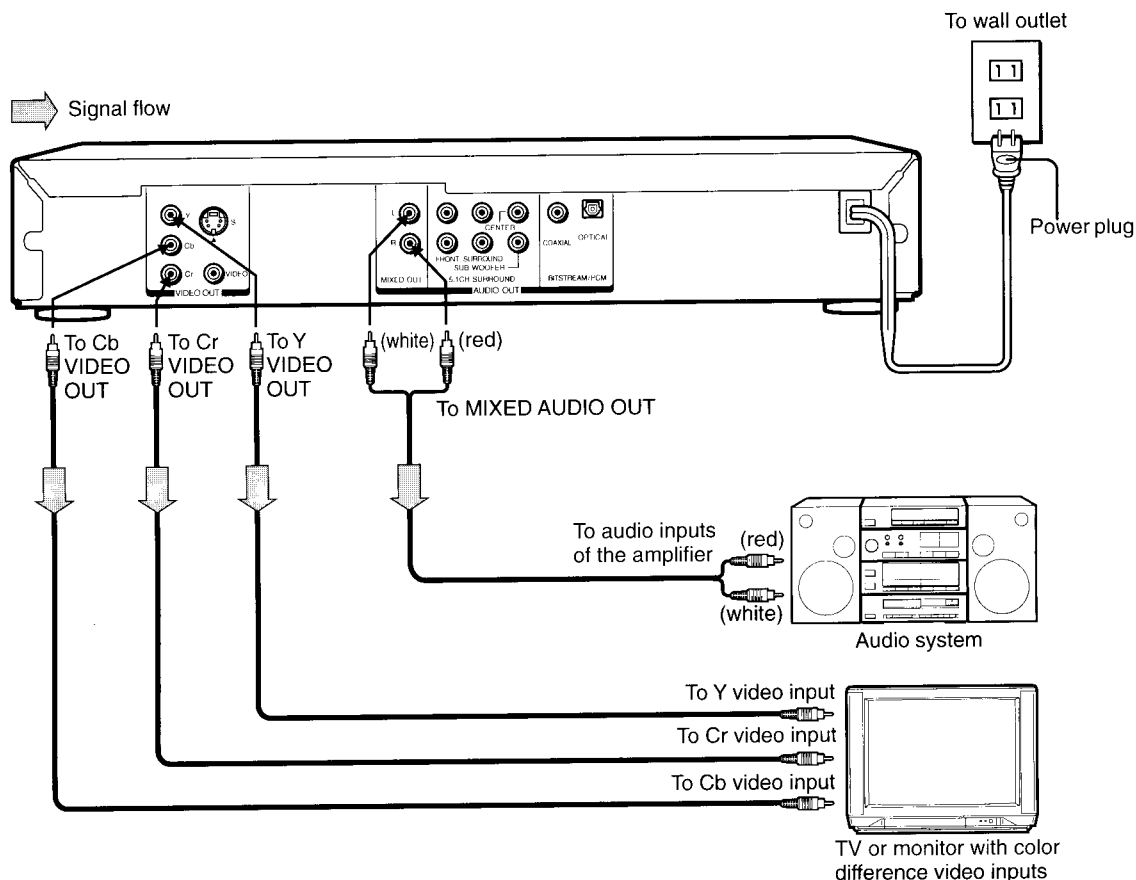
# Connecting to an Audio System and TV with ColorStream™ (color difference) Inputs

You can listen to the sound of discs in stereo and enjoy the enhanced picture quality of discs on a TV equipped with ColorStream™ (color difference) inputs.

## Connecting to an Audio System and TV with ColorStream™ (color difference) Inputs

### ■ Selecting the output sound

From the on-screen displays, set the "Audio Out Select" to "Analog 2ch." 32 38



### ColorStream™ (color difference) outputs/inputs

Some TVs or monitors are equipped with color difference inputs. Connecting to these inputs allows you to enjoy higher quality picture playback.

Actual labels for color difference inputs may vary depending on the TV manufacturer. (ex. Y, R-Y, B-Y or "Component video")

In some TVs or monitors, the color levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

### Notes

- Refer to the owner's manual of the connected equipment as well.
- When you connect the DVD video 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.
- If you place the DVD video player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD video player away from the tuner and radio.
- The output sound of the DVD video 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 amplifier before you connect or disconnect the DVD video player's power cord. If you leave the amplifier power on, the speakers may be damaged.

# Connecting to Optional Equipment

You can enjoy high quality dynamic sounds by connecting the DVD video player to optional audio equipment.

For connection to your TV, see pages 12 and 13.

Select the connection type depending on your audio equipment.

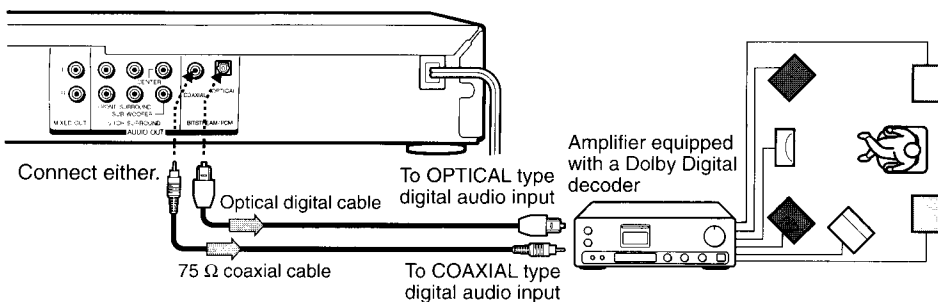
|  |                 |  |                  |
|--|-----------------|--|------------------|
|  | : Front speaker |  | : Center speaker |
|  | : Rear speaker  |  | : Signal flow    |
|  | : Sub woofer    |  |                  |

## Connecting to an Amplifier Equipped With a Dolby Digital Decoder

### Dolby Digital

Dolby Digital is the surround sound technology used in theaters showing the latest movies, and is now available to reproduce this realistic effect in the home. You can enjoy motion picture and live concert DVD video discs with this dynamic realistic sound by connecting the DVD video player to a 6 channel amplifier equipped with a Dolby Digital decoder or Dolby Digital processor. If you have a Dolby Pro Logic Surround decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby," "AC-3," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.



- Use DVD video discs encoded via the Dolby Digital recording system.
- Make the following setting.

| Setting          | Select:   | Page               |
|------------------|-----------|--------------------|
| Audio Out Select | Bitstream | <a href="#">38</a> |
| Recording system |           | <a href="#">29</a> |

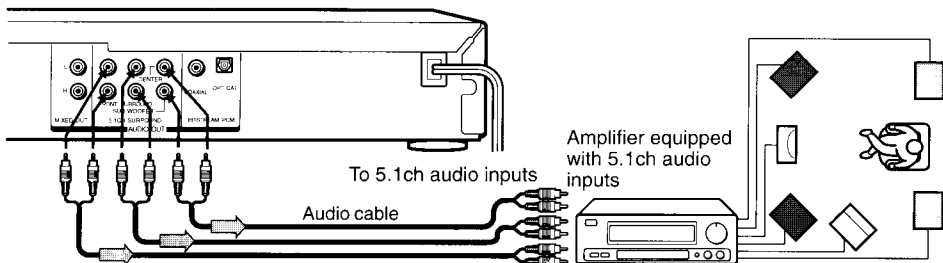
## Connecting to an Amplifier Equipped With 5.1ch Audio Inputs

### 5.1ch surround sound

The Dolby Digital decoder equipped with this DVD video player enables you to obtain the full benefit of 5.1 channel Dolby Digital sound tracks when you connect the DVD video player to a Dolby Digital ready amplifier equipped with 5.1 channel audio inputs.

Dolby Pro Logic Surround sound can be obtained also if its recording system is selected.

- Use DVD video discs recorded on the Dolby Digital recording system.
- Make the following setting.



| Setting          | Select:    | Page               |
|------------------|------------|--------------------|
| Audio Out Select | Analog 6ch | <a href="#">38</a> |
| Recording system |            | <a href="#">29</a> |

## Connecting to an Amplifier Equipped With Dolby Pro Logic Surround

### Dolby Pro Logic Surround

You can enjoy the dynamic realistic sound of Dolby Pro Logic Surround by connecting an amplifier and speaker system (right and left front speakers, a center speaker, and one or two rear speakers).

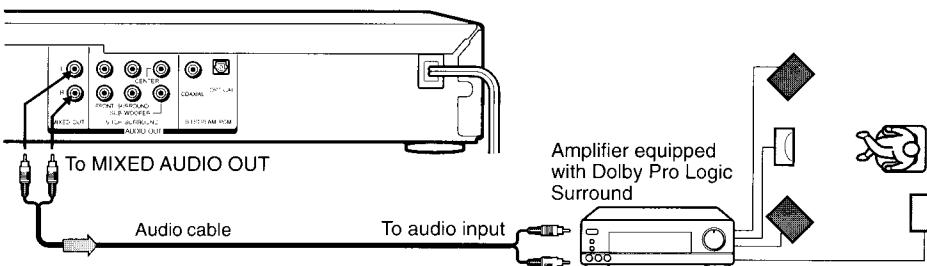
#### With an amplifier equipped with Dolby Digital

Connect the equipment the same way as described in "Connecting to an Amplifier Equipped With a Dolby Digital Decoder." Refer to that amplifier's owner's manual and set the amplifier so you can enjoy Dolby Pro Logic Surround sound.

#### With an amplifier not equipped with Dolby Digital

Connect the equipment as follows.

- Make the following setting.



Connect one or two rear speakers. The output sound from the rear speakers will be monaural even if you connect two rear speakers.

**Note:** Be sure to set "Audio Out Select" to "Analog 2ch" when you enjoy sounds of Dolby Pro Logic Surround using thi

## Warning

- Do not set "Audio Out Select" to "Bitstream" from the menu **32** **38** unless you are connecting (via the BITSTREAM/PCM AUDIO OUT jack) an AV decoder that has the Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function. High volume sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (DVD video discs and audio CDs), excessive noise may be output from the analog stereo jacks. To avoid possible damage to the audio system, you should take proper precautions when the MIXED AUDIO OUT jacks of the DVD video player is connected to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the BITSTREAM/PCM AUDIO OUT jack of the DVD video player.

## Connecting to an Amplifier Equipped With a DTS Decoder

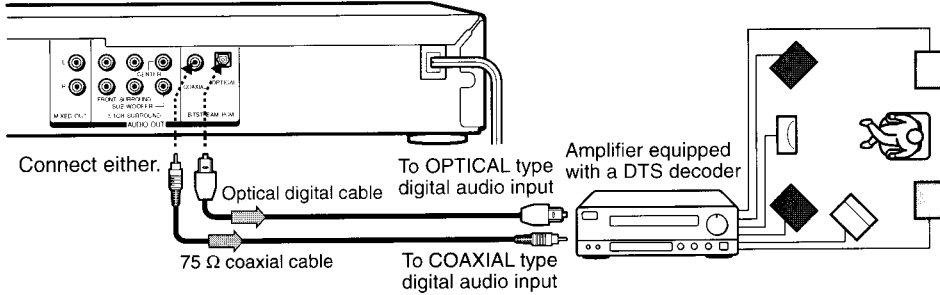
### Digital Theater Systems (DTS)

DTS is a 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 Surround" are trademarks of Digital Theater Systems, Inc.

- Use DVD video discs or audio CDs encoded via the DTS recording system.
- Make the following setting.

| Setting          | Select:   | Page      |
|------------------|-----------|-----------|
| Audio Out Select | Bitstream | <b>38</b> |
| Recording system | DTS       | <b>29</b> |



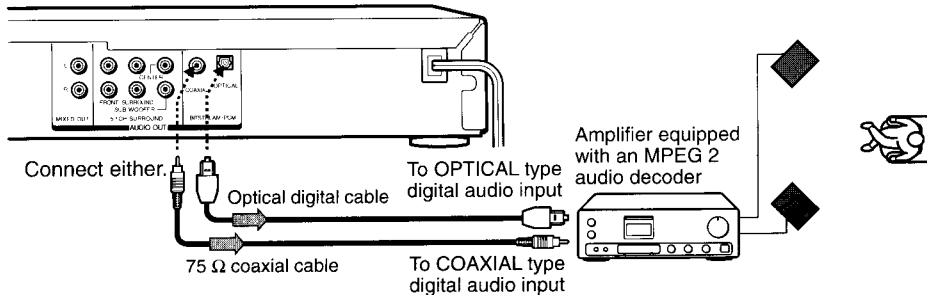
## Connecting to an Amplifier Equipped With an MPEG 2 Audio Decoder

### MPEG 2 sound

You can enjoy motion picture and live concert DVD video discs with dynamic realistic sound by connecting an amplifier equipped with an MPEG 2 audio decoder or MPEG 2 audio processor.

- Make the following setting.

| Setting          | Select:   | Page      |
|------------------|-----------|-----------|
| Audio Out Select | Bitstream | <b>38</b> |
| Recording system | MPEG      | <b>29</b> |



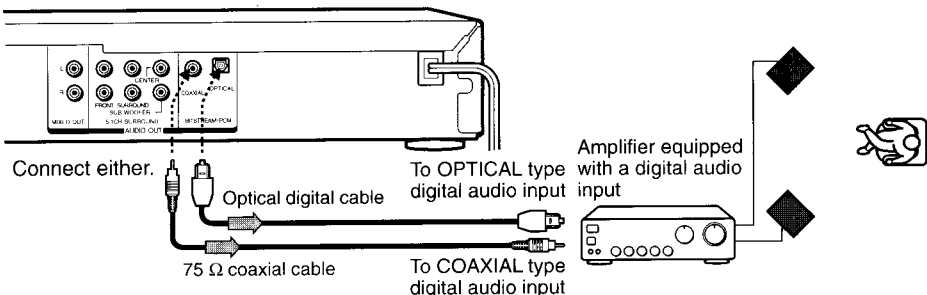
## Connecting to an Amplifier Equipped With a Digital Audio Input

### 2 Channel Digital Stereo

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

- Make the following setting.

| Setting          | Select: | Page      |
|------------------|---------|-----------|
| Audio Out Select | PCM     | <b>38</b> |



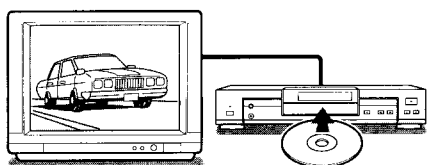
## Notes

- DO NOT connect the BITSTREAM/PCM AUDIO OUT jack of the DVD video player to the AC-3 RF input of a Dolby Digital Receiver. This input on your AV Receiver is reserved for Laserdisc use only and is incompatible with the BITSTREAM/PCM AUDIO OUT jack of the DVD video player.
- Connect the BITSTREAM/PCM AUDIO OUT jack of the DVD video player to the "DIGITAL" or "COAXIAL" input of a Receiver or Processor.
- Refer to the owner's manual of the connected equipment as well.
- When you connect the DVD video 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 video 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 amplifier before you connect or disconnect the DVD video player's power cord. If you leave the amplifier power on, the speakers may be damaged.

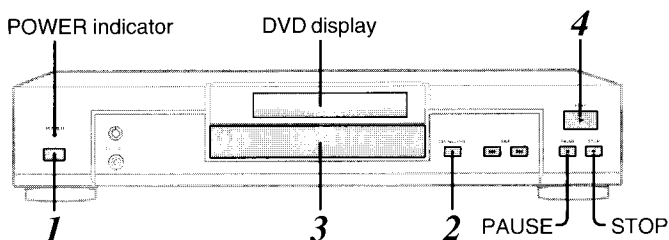
# Playing a Disc

**CAUTION**

Keep your fingers well clear of the disc tray as it is closing. Neglecting to may cause serious personal injury.





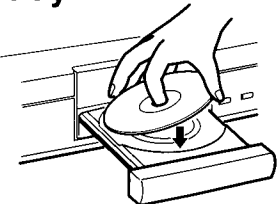

This section shows you the basics on how to play a disc.



## Basic Playback

### ■ Preparations

- When you want to view a disc, turn on the TV and select the video input connected to the DVD video player.
- When you want to enjoy the sound of discs from the audio system, turn on the audio system and select the input connected to the DVD video player.
- For connection details, see "Connections." [12] – [15]

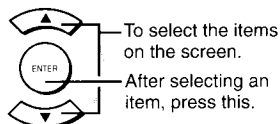
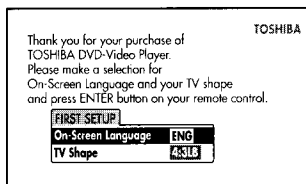
|  |   |   |
|--|---|---|
| <p><b>1</b> POWER</p>         | <p><b>Press POWER.</b></p> <p>The DVD video player turns on and the POWER indicator on the player illuminates.</p> <p><b>When the DVD video player is turned on for the first time, an initial set-up menu screen appears. See below to make the settings before proceeding to step 2.</b></p>  | <p><b>Note</b></p> <p>Set the remote control selector to "DVD."</p>   |
| <p><b>2</b> OPEN/CLOSE</p>  | <p><b>Press OPEN/CLOSE.</b></p> <p>The disc tray opens.</p>   |   |
| <p><b>3</b></p>  | <p><b>Place the disc on the disc tray.</b></p>  <p>With the playback side down</p>  | <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>• There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD video player to malfunction.</li> <li>• Do not place anything except DVD video discs, VIDEO CDs, or audio CDs on the disc tray.</li> </ul> |
| <p><b>4</b> PLAY</p>        | <p><b>Press PLAY.</b></p> <p>The disc tray closes and playback starts.</p> <p>If you insert a DVD video disc that contains a title menu, or insert a PBC (Playback Control)-equipped VIDEO CD, a menu screen may appear. See "To start playback from the menu screen." [17]</p> <p>To start playback of a PBC-equipped VIDEO CD from the menu screen, set "PBC" to "On" via the on-screen displays. [32] [46]</p> | <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>• For PBC (Playback Control) of VIDEO CDs, see "On VIDEO CD." [51]</li> <li>• You may need to press the TITLE or MENU button on the remote control to display the disc menu screen (depending on the actual DVD video discs.)</li> </ul>   |

### ■ First Setup screen

From this screen, make the following settings.

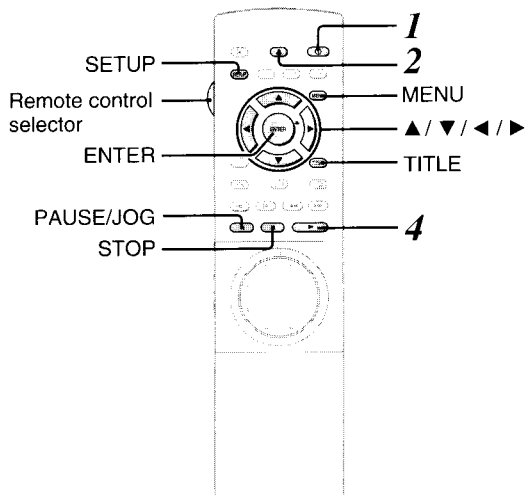
**On-screen Language:** Select the appropriate on-screen language.

**TV Shape:** Select a picture size according to the aspect ratio of your TV. (See [36] for details.)



- 1 Press the ▲ / ▼ buttons to select "On-Screen Language," and press the ENTER button.  
The languages are listed.
  - 2 Select a language using the ▲ / ▼ buttons, and press the ENTER button.
  - 3 Press the ▼ button to select "TV Shape," and press the ENTER button.
  - 4 Select a picture size (see [36]) using the ▲ / ▼ buttons, and press the ENTER button.
  - 5 Finally press the SETUP button.  
All your selections are entered and the First Setup screen disappears.
- To change your settings, see "Customizing the Function Settings." [32]









■ **To obtain a higher quality picture**


Occasionally, some picture noise not usually visible during a normal broadcast may appear on the TV screen while playing a DVD video disc because the high resolution pictures on these discs include a lot of information. While the amount of noise depends on the TV you use with this DVD video player, you should generally reduce the sharpness adjustment on your TV when viewing DVD video discs.

■ **About   **

The    icons on the heading bar show the playable discs for the function described under that heading.


 : You can use this function with DVD video discs.

 : You can use this function with VIDEO CDs.

 : You can use this function with audio CDs.

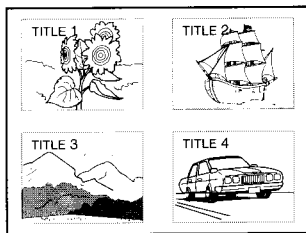
  

**To start playback from the menu screen**

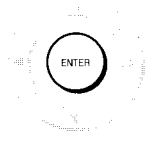
1 Press  /  /  /  or the number buttons to select the title you want.



e.g.



2 Press ENTER.



The DVD video player begins playback from the selected title.

- When not using the menu screen of a PBC-featured VIDEO CD, set "PBC" to "Off" via the on-screen displays. [32](#) [46](#)

**To stop playback**

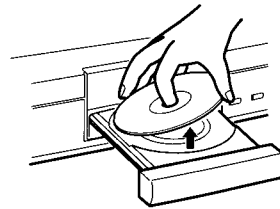


Press STOP.

**To remove the disc**



Press OPEN/CLOSE.



Remove the disc after the disc tray opens completely.

- Be sure to press the OPEN/CLOSE button to close the disc tray after you remove the disc.

**To pause playback (still mode)**



Press PAUSE/JOG during playback.

To resume normal playback, press the PLAY button.

- The sound is muted during still mode.

**Notes**

- Do not move the DVD video player during playback. Doing so may damage the disc.
- Use the OPEN/CLOSE button on the remote control or DVD video player to open and close the disc tray. Do not push the disc tray while it is moving. Doing so may cause the DVD video player to malfunction.
- Do not push up on the disc tray or put any objects other than discs on the disc tray. Doing so may cause the DVD video player to malfunction.
- In many instances, a menu screen will appear after playback of a movie is completed. Prolonged display of an on-screen menu may damage your television set, permanently etching that image onto its screen. To avoid this, be sure to press the STOP button on your remote control once the movie is completed.
- If you pause a picture and leave it still for a long while, the screen saver of the DVD video player automatically appears (when "Screen Saver" is set to "On" [43](#)). To turn off the screen saver, press the PLAY button.

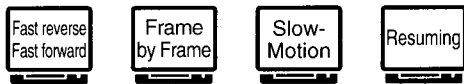
**About This Owner's Manual**

This owner's manual explains the basic instructions of this DVD video player. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD video player may not respond to all operating commands. This is not a defect in the DVD video player. Refer to the instruction notes of discs.

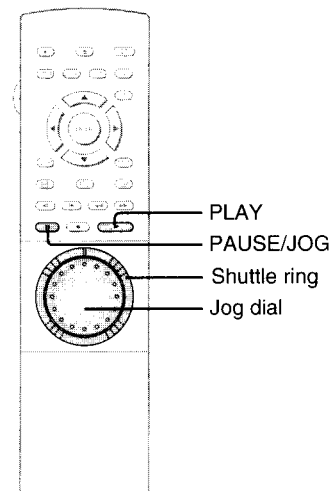
"⊘" may appear on the TV screen during operation. A "⊘" means that the operation is not permitted by the DVD video player or the disc.

Basic Playback

# Playing a Disc (continued)

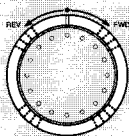


You can play discs at various speeds, and resume playback from the location where you stopped playback.



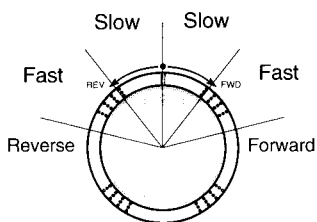
## Using the Shuttle Ring

You can play discs at various speeds by turning the shuttle ring.



Turn the shuttle ring during playback.

The playback speed can be controlled by the extent of the wheel rotation.



### To resume normal playback

Release the shuttle ring.

#### Notes

- The playback speed may differ depending on the disc.
- If you slow down the playback speed of a DVD video disc by turning the ring leftward, the DVD video player performs reverse frame playback. The reverse frame playback may advance more rapidly than in the forward direction.

## Using the Jog Dial

You can advance or reverse a picture frame by frame from the jog dial.

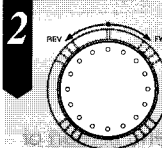


During playback, press PAUSE/JOG on the remote control.

The picture pauses.



"Jog On" appears when "On-Screen Displays" is set to "On." [32](#) [42](#)

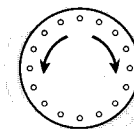


Turn the jog dial.

Prolonged absence of operation may automatically cancel this function. If it occurs, start over again from step 1.

Rightward: To advance the picture frame by frame.

Leftward: To reverse the picture frame by frame. (Only when using a DVD video disc.)



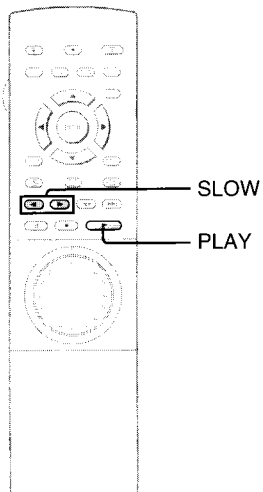
### To resume normal playback



Press PLAY.

#### Notes

- The sound is muted during frame by frame playback.
- The reverse frame playback may advance more rapidly than in the forward direction.




## Playing in Slow-Motion

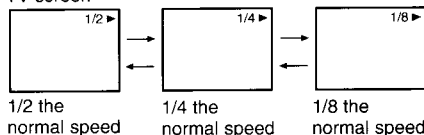
You can play a disc in slow-motion.





**Press SLOW  during playback.**

Each time you press the SLOW  button, the slow-motion speed changes.

TV screen



If you press SLOW  during playback, you can view the picture in reverse slow-motion. (Only when using a DVD video disc.)

Each time you press the SLOW  button, the slow-motion speed changes.

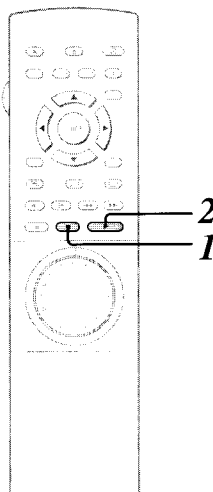
### To resume normal playback



**Press PLAY.**

### Note

The sound is muted during slow-motion playback.



## Resuming Playback from the Same Location

You can stop playback and resume playback later from the same location on the disc.



**1 Press STOP at the location where you want to interrupt playback.**

The DVD video player memorizes the location where playback is stopped.



**2 Press PLAY.**

The DVD video player resumes playback from the location where you stopped playback.

### To start playback from the beginning regardless of the location where you stopped playback

**1 Press STOP twice.**



The DVD video player's memory is cleared.



**2 Press PLAY.**



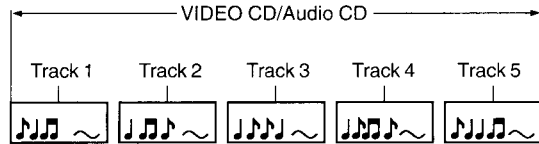
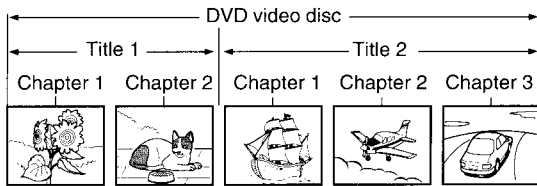
If you are using a DVD video disc, playback starts from the beginning of the current title. If you are using a VIDEO CD/audio CD, playback starts from the beginning of the disc.

- If you want to return to the beginning of a DVD video disc, open and close the disc tray once with the OPEN/CLOSE button before pressing the PLAY button.

### Notes

- The DVD video player's memory is also cleared when:
  - you unplug the DVD video player from the wall outlet after you stop playback.
  - you open the disc tray.
  - you adjust/change parental lock  or select a disc menu language setting .
- There may be a difference in the location where playback resumes depending on the disc.
- Settings you changed using the menu screens while the DVD video player keeps a location in the memory may function only after the memory is cleared.

# Locating a Specific Title, Chapter, or Track



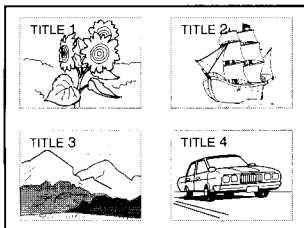
Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. VIDEO CDs and audio CDs are divided into tracks. You can quickly locate any specific title, chapter, or track.

## Locating a Title Using the Title Menu DVD

If a DVD video disc contains a title menu, you can locate a specific title using the title menu function.


**1**  **Press TITLE.**  
The title menu appears on the TV screen.

Example of a title menu



**2**  **Press ▲/▼/◀/▶ to select the title you want.**

If the titles in the title menu are assigned a number, you can directly locate a specific title by pressing its designated number with the **number buttons**.


**3**  **Press ENTER.**  
The DVD video player starts playback from chapter 1 of the selected title.

### Notes

- The instructions above describe basic procedures which may vary depending on the contents of the DVD video disc. If different instructions appear on the TV screen, follow those instructions.
- If you display the title menu during playback and press the TITLE button again without selecting any title, the DVD video player may resume playback from the point where you first pressed the TITLE button.

## Locating a Title DVD

If a DVD video disc contains title numbers, you can locate a specific title by directly selecting a title number.

**1**  **Press T.**  
Make sure that the space next to Title is highlighted.

e.g.

Title:  1  
Chapter: 1



**2**  **Press the corresponding number buttons for the title you want.**

e.g. To select title 2




Title:  2  
Chapter: 1



To select title 12

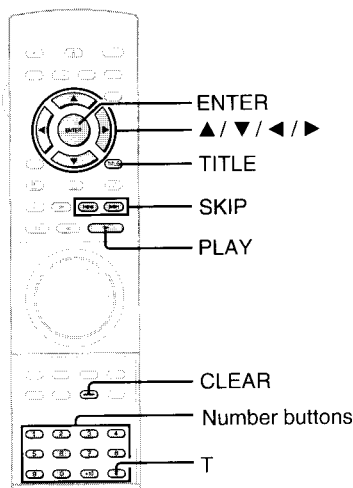
 → 

Title:  12  
Chapter: 1

**3**  **Press PLAY.**  
The DVD video player starts playback from chapter 1 of the selected title.

### Notes

- You can shift the highlighted space between Title and Chapter by pressing the ▲/▼ buttons.
- Pressing the CLEAR button resets the Title and Chapter numbers. To clear the Title, Chapter display, press the T button several times.
- You can select a preferred language for on-screen displays.  



## Locating a Specific Chapter or Track Directly

If you know the chapter or track number you want to play, you can locate it directly.

**1** **Press T.**  
Skip steps 1 and 2 if you are using a VIDEO CD/audio CD.  
(DVD video disc)

Title: 1  
Chapter: 1

**2** **Press ▼ to highlight the space next to Chapter.**  
(DVD video disc)

Title: 1  
Chapter: 1

**3** **Press the corresponding number buttons of the chapter or track you want.**

You can use the button to select numbers from 10 through 99.

e.g. To select chapter or track 25

- →
- → →

(DVD video disc) (VIDEO CD/ Audio CD)  
Title: 1 Chapter: 25  
Track: 25

**4** **Press PLAY.**  
The DVD video player starts playback from the selected chapter or track.

## Locating a Specific Chapter or Track

You can locate consecutive chapters or tracks.

**Press SKIP or repeatedly to display the chapter or track number you want.**

The DVD video player starts playback from the selected chapter or track.

: To locate preceding chapters or tracks

When you press the SKIP button, the DVD video player starts playback from the beginning of the current chapter or track.

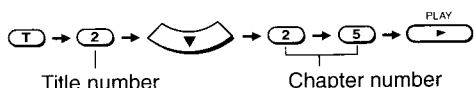
When you press the SKIP button twice, the DVD video player starts playback from the beginning of the preceding chapter or track.

: To locate succeeding chapters or tracks

If you press and hold the SKIP or button during playback, the DVD video player performs fast reverse or fast forward playback. You can select the speed by pressing the button further. To locate chapters or track during fast reverse or fast forward playback, first press the PLAY button to resume normal playback, and then use the SKIP or button.

### To select a title and chapter number at the same time

e.g. To select chapter 25 in title 2



Title number

Chapter number

Title: 2  
Chapter: 25

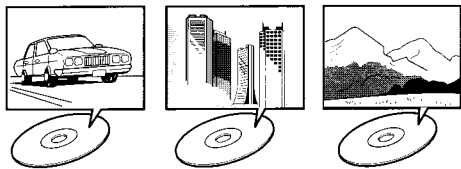
### Note

Pressing the CLEAR button resets the Title and Chapter numbers. To clear the Title, Chapter display, press the T button several times.

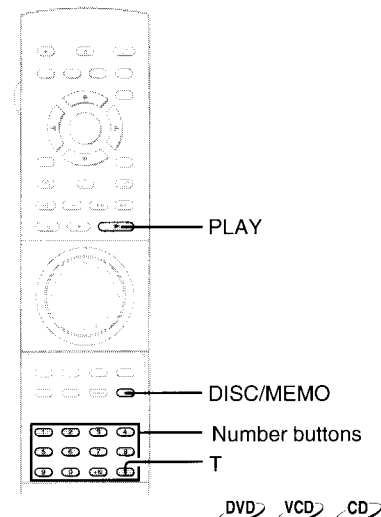
### Notes

- Some titles may not display chapter numbers.
- When you set "Title Stop" to "Off" , you can access chapters in another title. If you go back to the preceding title by pressing the SKIP button, the DVD video player locates the first chapter of the title. When "Title Stop" is set to "On," you can access chapters only within the current title.

# Playing From the Desired Location



You can play a disc from the desired location.



## Storing Locations in the Memory

The DVD video player memorizes a location of a disc, so that you can start playback from there later.

DISC/MEMO



**Press DISC/MEMO at the location where you want to start playback later.**

The DVD video player memorizes the location.

Disc Memory Set

The DISC/MEMO button can be pressed also while you are playing in slow-motion or the picture is pausing.

## To start playback from the location you stored

DISC/MEMO



**Insert the disc that contains the location you stored, and press DISC/MEMO during stop.**

Some discs may be played automatically after inserted. In such a case, first stop playback by pressing the STOP button.

## Locating a Specific Location by Entering the Time

You can locate a specific location by entering its corresponding time (hours, minutes, seconds).

1



**Press T twice.**

You may have to press further depending on the disc. Press the button repeatedly until the following indication appears.

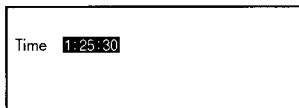


2



**Press the number buttons to enter the time.**

e.g. 1 → 2 → 5 → 3 → 0



3



**Press PLAY.**

The DVD video player starts playback from the desired location.

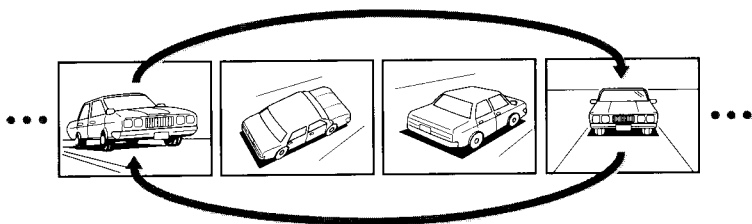
### Notes

- The DVD video player memorizes only one location on each side of a DVD video disc. It has the capability to memorize 3 different locations (eg. 3 single sided discs). Storing the fourth memory location erases the first.
- Storing a new location erases the old one of the disc.
- If you start playback of a DVD video disc equipped with the parental lock feature, after changing the parental lock level [44] on the DVD video player, the display of the parental lock level may return to the previous one. In this case, set the parental lock level back to it.
- Some discs or scenes (especially menu screens included on the disc) may not permit this operation.

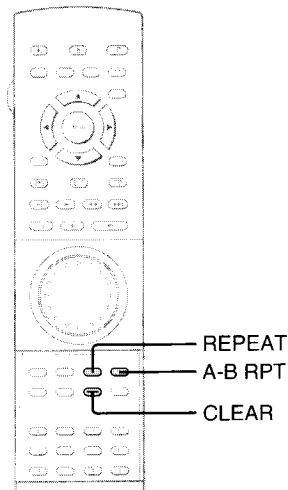
### Notes

- Some discs may not respond to this process.
- Some scenes may not be located precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD video disc or within the current track of the VIDEO CD/audio CD.

# Playing Repeatedly



You can play a specific title, chapter, track, or segment repeatedly. (Title repeat, chapter/track repeat, A-B repeat)



## Repeating a Title, Chapter, or Track

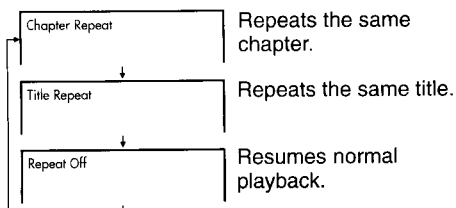
You can play the same title, chapter, or track repeatedly. (Title, chapter/track repeat)

**1** Select the title, chapter, or track you want to repeat. [20] [21]

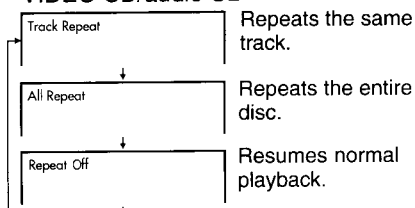
**2** Press REPEAT.

Each time you press the REPEAT button, the repeat mode changes as follows.

• DVD video disc



• VIDEO CD/audio CD



### To resume normal playback

CLEAR  
Press CLEAR.

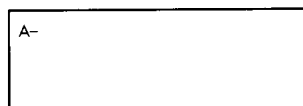
#### Note

Some discs may not permit repeat operation.

## Repeating a Specific Segment

You can play a specific segment repeatedly. (A-B repeat)

**1** Press A-B RPT at the beginning of the segment (point A) you want to play repeatedly.



**2** Press A-B RPT again at the end of the segment (point B).



The DVD video player automatically returns to point A and starts repeat playback of the selected segment (A-B).

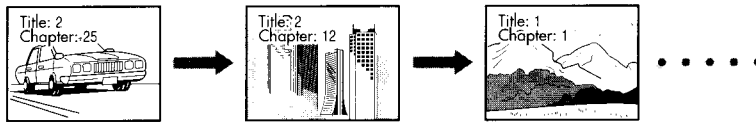
### To resume normal playback

CLEAR  
Press CLEAR.

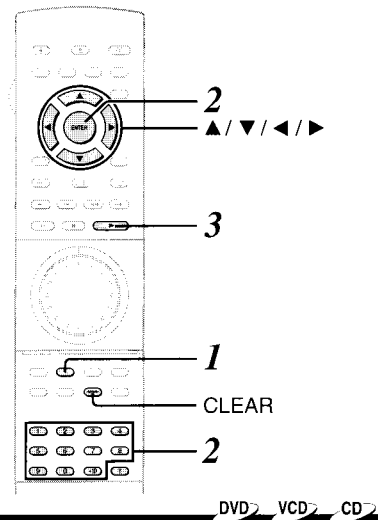
#### Notes

- Some discs may not permit A-B repeat operation.
- You cannot set the A-B repeat function for a segment that includes multiple camera angles.
- You can specify a segment only within the current title.
- There may be a slight difference between point A and the location where playback actually resumes depending on the disc.

# Playing in a Favorite Order



You can combine your favorite titles, chapters, or tracks and play them in any order. You can program up to 28 selections into the memory. (Memory playback)



## Setting Titles, Chapters, or Tracks in a Favorite Order

The DVD video player automatically plays titles, chapters, or tracks in the order you program.

**1** **MEMORY**

Insert a disc and press **MEMORY** during stop.

The following menu appears.

| MEMORY |       |    |    |
|--------|-------|----|----|
| T      | C     | T  | C  |
| 1      | 02 25 | 8  | 15 |
| 2      | 02 12 | 9  | 16 |
| 3      | 01    | 10 | 17 |
| 4      | 04 02 | 11 | 18 |
| 5      |       | 12 | 19 |
| 6      |       | 13 | 20 |
| 7      |       | 14 | 21 |
|        |       |    | 22 |
|        |       |    | 23 |
|        |       |    | 24 |
|        |       |    | 25 |
|        |       |    | 26 |
|        |       |    | 27 |
|        |       |    | 28 |

T: Title number    C: Chapter number

**2**

Select the items in the order you want by pressing the number buttons, then **ENTER** for each item.

Each time you press the **◀/▶** button, the -- indication next to T and C is highlighted in turn. Highlight where you want to enter, then press the number buttons.

e.g. To play chapter 25 in title 2, chapter 12 in title 2, all the chapters in title 1, and chapter 2 in title 4.

Memory 1: (◀) → 2 → (▶) → 2 → 5 → (ENTER)

Memory 2: (▶) → 1 → 2 → (ENTER)

Memory 3: (◀) → 1 → (ENTER)

Memory 4: (▶) → 4 → (▶) → 2 → (ENTER)

To select tracks from a VIDEO CD/audio CD in order, press the **number buttons** for the track, then press the **ENTER** button for each selection you want.

**3** **PLAY**

Press **PLAY** while the **MEMORY** menu appears on the TV screen.

The DVD video player starts memory playback.

| MEMORY |       |    |    |
|--------|-------|----|----|
| T      | C     | T  | C  |
| 1      | 02 25 | 8  | 15 |
| 2      | 02 12 | 9  | 16 |
| 3      | 01    | 10 | 17 |
| 4      | 04 02 | 11 | 18 |
| 5      |       | 12 | 19 |
| 6      |       | 13 | 20 |
| 7      |       | 14 | 21 |
|        |       |    | 22 |
|        |       |    | 23 |
|        |       |    | 24 |
|        |       |    | 25 |
|        |       |    | 26 |
|        |       |    | 27 |
|        |       |    | 28 |

To select another chapter in the same title, you do not need to select the title number.

### To change the programmed selections

- 1 While the MEMORY menu appears on the TV screen, press **▲/▼** to move the highlighted bar to the item you want to change.
- 2 Change the selection following the instructions in step 2.

### To cancel the programmed selections

- 1 While the MEMORY menu appears on the TV screen, press **▲/▼** to move the highlighted bar to the item you want to cancel.
- 2 Press the **CLEAR** button.

### To resume normal playback from memory playback

**CLEAR**    **Press CLEAR.**  
 The MEMORY indicator disappears.

### To program during playback

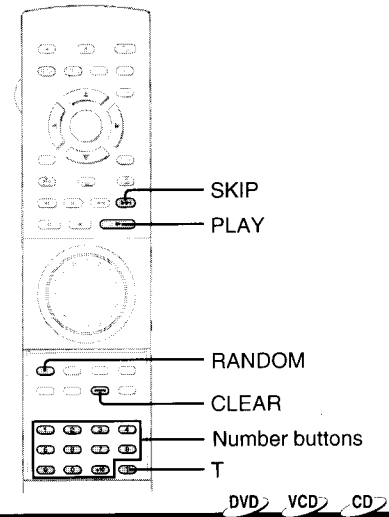
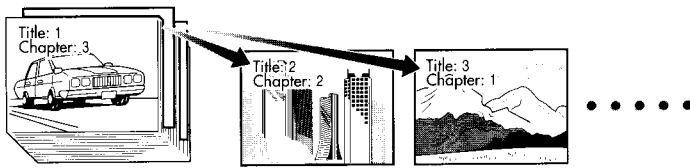
If you press the **MEMORY** button during playback, a menu appears to accept your programming. If you further press the **DISPLAY** button, you can display the **MEMORY** menu also. Follow steps 2 and 3.

### Notes

- Some discs may not permit memory playback operation.
- If you press the **REPEAT** button during memory playback, the DVD video player repeats the current memory playback.
- You cannot select title, chapter, and track numbers not included on the disc.
- If you press the **MEMORY** or **RETURN** button while the **MEMORY** menu appears on the TV screen, the **MEMORY** menu disappears.
- The programmed selections will be cleared when:
  - you turn off the DVD video player, or
  - you remove the disc.



# Playing in Random Order



You can play titles, chapters within a title, or tracks in random order. (Random playback)

## Playing Titles in Random Order DVD

The DVD video player automatically selects the titles in a DVD video disc and plays them randomly.

**1** **Press RANDOM twice during stop.**

Title Random

If you press the RANDOM button during playback, the DVD video player automatically starts random playback after finishing the current title.

**2** **Press PLAY.**

The DVD video player starts random playback.

Press the PLAY button within about 5 seconds after you press the RANDOM button.

**To resume normal playback**

**Press CLEAR.**

- Notes**
- Some discs may not permit random playback operation.
  - You cannot use the random playback function in conjunction with the memory playback function.

## Playing Chapters or Tracks in Random Order

The DVD video player automatically selects chapters within a title, or tracks in a VIDEO CD/audio CD, and plays them randomly.

**1** **Press the appropriate number buttons for the title which contains the chapters you want to play in random order.**

Skip this step if you are using a VIDEO CD/audio CD.

e.g. To play the chapters in title 2 in random order

T

→

2

Title: 2  
Chapter: 1

(DVD video disc)

**2** **Press RANDOM during stop.**

(DVD video disc)  
Chapter Random  
Title: 2  
Chapter: 1

(VIDEO CD/audio CD)  
Track Random  
Track: 1

If you press the RANDOM button during playback, the DVD video player automatically starts random playback after finishing the current chapter or track.

**3** **Press PLAY.**

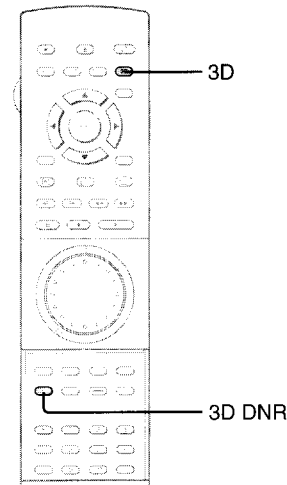
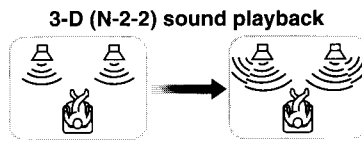
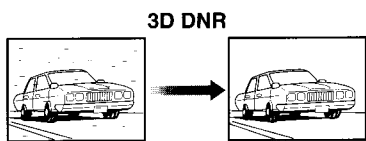
The DVD video player starts random playback.

Press the PLAY button within about 5 seconds after you press the RANDOM button.

- Notes**
- Some discs may not permit random playback operation.
  - You cannot use the random playback function in conjunction with the memory playback function.
  - If you press the SKIP button during random playback, the DVD video player goes to another chapter or track and starts random playback.

Advanced Playback

# Selecting 3D DNR Picture Enhancement / Selecting 3-D (N-2-2) Sound Enhancement



You can enhance picture quality during playback. (3D DNR)  
You can enjoy virtual surround sound. (3-D (N-2-2) sound playback)

DVD VCD

## Selecting 3D DNR On/Off

You can view a picture with less video noise.

3D DNR

**Press 3D DNR during playback.**

The current setting appears.

Each time you press the 3D DNR button, the level changes as follows.

|                   |                |
|-------------------|----------------|
| 3D DNR : On       | Normal level   |
| ↓                 |                |
| 3D DNR : Expanded | Expanded level |
| ↓                 |                |
| 3D DNR : Off      | Off            |

3D DNR: Three Dimension Digital Noise Reduction

### Notes

- Actual picture enhancement may vary depending on the quality of the disc.
- While the expanded level can provide additional improvement in the reduction of noise in the video signal, it may produce undesirable picture artifacts on some discs. Should this occur, select a more appropriate 3D DNR level (off or normal).
- Depending on the disc, some kinds of picture details may be lost by the picture enhancement.

DVD VCD CD

## Selecting 3-D (N-2-2) Sound Enhancement

You can enjoy expansive surround type effects from two speakers.

3D

**Press 3D during playback.**

The current setting appears.

Each time you press the 3D button, the level changes as follows.

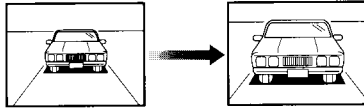
|                                 |  |
|---------------------------------|--|
| 3D (N-2-2) : Off                | Off  |
| ↓                               |  |
| 3D (N-2-2) : On                 | Normal   |
| ↓                               |  |
| 3DHP (N-2-2 For Headphone) : On | This level is designed especially for headphone listening. |

### Notes

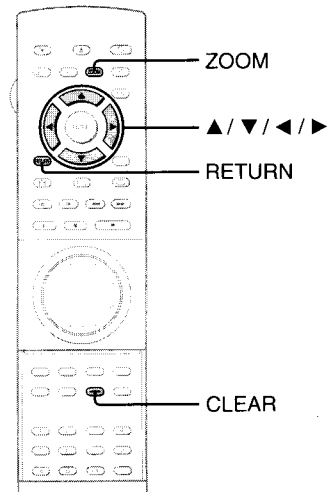
- You may sense a difference in volume between normal and 3-D (N-2-2) enhanced sound.
- 3-D (N-2-2) sound enhancement may not function (or may not be realized) depending on the sound output setting or recording system [29].
- If 3-D (N-2-2) sound enhancement is on, Dolby Pro Logic Surround may not function on output sounds at all, or may function differently than usual.

Spatializer® 3-Dimensional Sound Processing provided by Desper Products, Inc.  
Certain audio features of this product manufactured under a license from Desper Products, Inc., Spatializer® and the circle-in-square device are trademarks owned by Desper Products, Inc.

# Zooming a Picture



You can magnify areas within a picture.



DVD

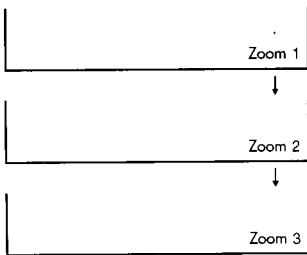
## Zooming a Picture

You can zoom in on a picture and shift the zooming point as well.

ZOOM

**Press ZOOM during normal, slow or still playback.**

If you further press the ZOOM button repeatedly, the magnification level increases.



RETURN

To reduce the magnification level, press the RETURN button.



If you press the ▲ / ▼ / ◀ / ▶ buttons, the zoom point shifts. When the zoom point reaches an edge of the picture, the color of "Zoom" changes.

CLEAR



Pressing the CLEAR button restores the zoom point to the center of the picture.

### To resume normal playback

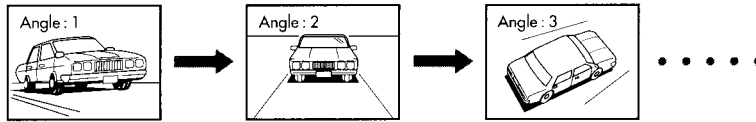
ZOOM

Press ZOOM repeatedly so that "Zoom" disappears.

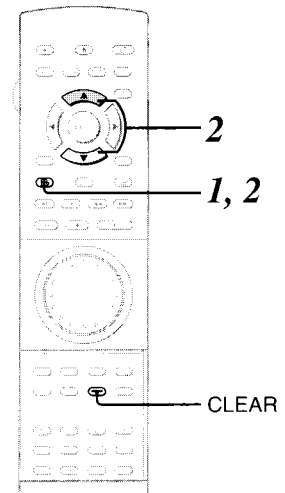
### Notes

- Some discs may not respond to zoom feature.
- During some scenes, the buttons may not work as described above.
- Zooming does not work on subtitles or menu screens included on DVD video discs.
- During zoom playback, the ▲ / ▼ / ◀ / ▶ buttons cannot work on menu screens included on the DVD video discs. If you want to view the menu screens, cancel the zoom playback.
- The magnification level varies depending on the picture size you select. [32](#) [36](#)

# Selecting the Camera Angle



You can select a preferred camera angle to watch a scene.



DVD


## Changing the Camera Angle

If the scene was recorded from multiple angles, you can easily change the camera angle of the scene you are watching.

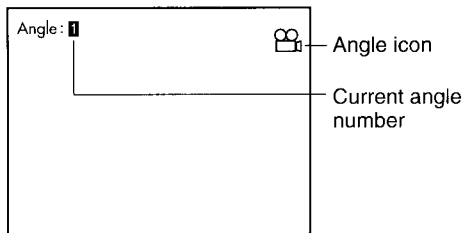
1



**Press ANGLE while playing a scene recorded with multiple angles.**

While playing a scene recorded with multiple angles, the angle icon (  ) appears in the DVD display and on the TV screen.

Press the ANGLE button while the angle icon is displayed.



**To turn off the angle number indication**



**Press CLEAR.**

**To disable the angle icon display on the TV**

From the on-screen displays, set "On-Screen Displays" to "Off." [32](#) [42](#)

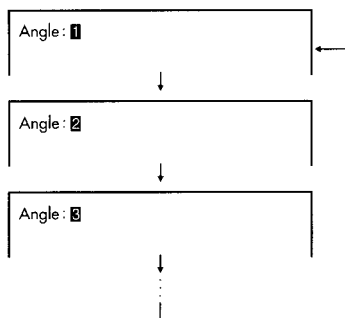
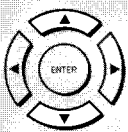
Monitor the DVD display when you want to change the camera angle.

2



**Press ANGLE or ▲ while the angle number appears on the TV screen.**

Each time you press the ANGLE or ▲ button, the camera angle changes.



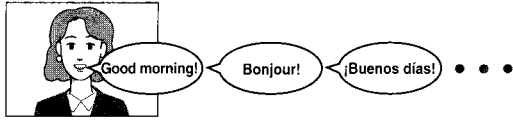
▼ : Cycles backwards

You can change the camera angle directly by pressing the number buttons corresponding to its angle number instead of using the ▲ / ▼ buttons.

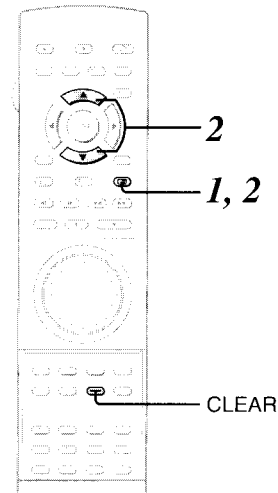
### Notes

- You can change the camera angle during still playback. The camera angle changes to the new setting when you resume normal playback.
- If you pause a picture immediately after changing a camera angle, the resumed playback picture may not display the new camera angle.

# Selecting a Language



You can select a preferred language.



DVD

## Selecting a Playback Audio Setting

You can select a preferred language and sound recording system from those included on the DVD video disc.

**1** **AUDIO**

**Press AUDIO during playback.**

The current audio setting appears for about 3 seconds.

Audio: 1 ENG PCM 2CH

Position: 1 | Audio channel: 2CH  
 Recording system: PCM  
 Language: ENG

The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. [\[50\]](#)

**2** **AUDIO**

**Press AUDIO or ▲ while the audio setting appears on the TV screen.**

Each time you press the AUDIO or ▲ button, the audio settings included on the DVD video disc change.

e.g. Audio: 1 ENG PCM 2CH

↓

Audio: 2 FRE 6CH

↓

Audio: 3 SPA PCM 2CH

⋮

▼ : Cycles backwards

### About recording systems

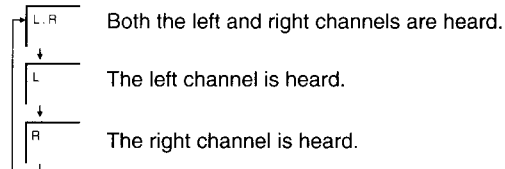
This DVD video player uses the Dolby Digital, DTS, MPEG2 and PCM recording systems and cannot play DVD video discs recorded in any other recording system.

Dolby Digital 5.1 Channel is displayed as " 6CH."

### Selecting sound channels of VIDEO CDs

A VIDEO CD may have left and right sound channels and contain sounds or languages on each. You can switch these two channels to hear a preferred sound or language.

**AUDIO** **During playback, press AUDIO repeatedly to select the sound channel.**



### Notes

- Some discs allow you to change audio selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate language from the selections on the disc menu.
  - When you turn on the DVD video player or replace a disc, player returns to the initial default setting. [\[35\]](#)
- When you select a sound track which is not included on the disc, the DVD video player plays a prior sound track programmed on the disc.

### To turn off the audio setting display

**CLEAR** **Press CLEAR.**

Advanced Playback

### Output sound conversion table (sampling frequency/quantization bit)

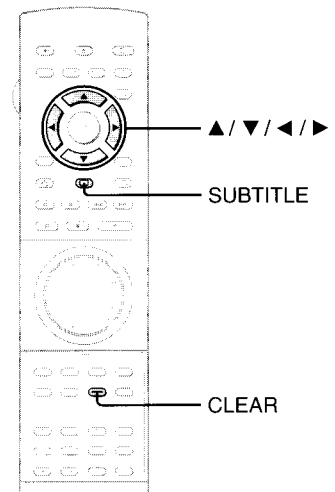
| Discs           | Sound recording system     | Audio selection from the menu screen <a href="#">[32]</a> <a href="#">[38]</a> and output jacks on the rear panel |                       |                    |                                |                    |                       |                    |                       |                 |
|-----------------|----------------------------|---|-----------------------|--------------------|--------------------------------|--------------------|-----------------------|--------------------|-----------------------|-----------------|
|                 |                            | Bitstream   |                       | Analog 6ch         |                                | Analog 2ch         |                       | PCM                |                       |                 |
|                 |                            | BITSTREAM/PCM jack  | MIXED AUDIO OUT jacks | BITSTREAM/PCM jack | 5.1CH SURROUND AUDIO OUT jacks | BITSTREAM/PCM jack | MIXED AUDIO OUT jacks | BITSTREAM/PCM jack | MIXED AUDIO OUT jacks |                 |
| DVD video discs | Dolby Digital              | Bitstream   | 2ch                   | —                  | 3 – 6ch                        | Bitstream          | 48 kHz/20 bit         | 48 kHz/16 bit      | 48 kHz/20 bit         |                 |
|                 | Linear PCM                 | 48 kHz/16 bit   | 48 kHz/16 bit         | 48 kHz/16 bit      | —                              | 48 kHz/16 bit      | 48 kHz/16 bit         | 48 kHz/16 bit      | 48 kHz/16 bit         | 48 kHz/16 bit   |
|                 |                            | 48 kHz/20 bit   | 48 kHz/16 bit         | 48 kHz/20 bit      | —                              | 48 kHz/20 bit      | 48 kHz/16 bit         | 48 kHz/20 bit      | 48 kHz/16 bit         | 48 kHz/20 bit   |
|                 |                            | 48 kHz/24 bit   | 48 kHz/16 bit         | 48 kHz/20 bit      | —                              | 48 kHz/20 bit      | —                     | 48 kHz/24 bit      | 48 kHz/16 bit         | 48 kHz/20 bit   |
|                 |                            | 96 kHz/16 bit   | 48 kHz/16 bit         | 48 kHz/16 bit      | —                              | 96 kHz/16 bit      | —                     | 96 kHz/16 bit      | 48 kHz/16 bit         | 48 kHz/16 bit   |
|                 |                            | 96 kHz/20 bit   | 48 kHz/16 bit         | 48 kHz/20 bit      | —                              | 96 kHz/20 bit      | —                     | 96 kHz/20 bit      | 48 kHz/16 bit         | 48 kHz/20 bit   |
|                 | 96 kHz/24 bit              | 48 kHz/16 bit   | 48 kHz/20 bit         | —                  | 96 kHz/20 bit                  | —                  | 96 kHz/24 bit         | 48 kHz/16 bit      | 48 kHz/20 bit         |                 |
|                 | DTS                        | Bitstream   | —                     | Bitstream          | —                              | Bitstream          | —                     | —                  | —                     |                 |
|                 | MPEG2                      | Bitstream(2ch)  | 2ch                   | —                  | 3 – 6ch                        | Bitstream          | 48 kHz/20 bit         | 48 kHz/16 bit      | 48 kHz/20 bit         |                 |
|                 | VIDEO CDs                  | MPEG1   | 44.1 kHz/16 bit       | 44.1 kHz/16 bit    | —                              | 44.1 kHz/16 bit    | 44.1 kHz/16 bit       | 44.1 kHz/16 bit    | 44.1 kHz/16 bit       | 44.1 kHz/16 bit |
| Audio CDs       | Linear PCM 44.1 kHz/16 bit | 44.1 kHz/16 bit   | 44.1 kHz/16 bit       | 44.1 kHz/16 bit    | 44.1 kHz/16 bit                | 44.1 kHz/16 bit    | 44.1 kHz/16 bit       | 44.1 kHz/16 bit    | 44.1 kHz/16 bit       |                 |

: 3D (N-2-2) sound enhancement can function.

# Selecting Subtitles



You can display subtitles on the TV screen and select a preferred subtitle language.



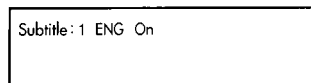
## Turning Subtitles On or Off

You can select whether to display subtitles or not.

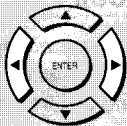
**1** **SUBTITLE** Press **SUBTITLE** during playback.



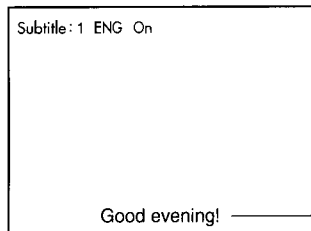
The current subtitle setting appears for about 3 seconds.



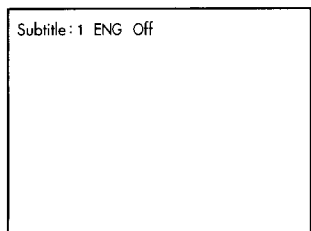
**2** Press **◀** or **▶** while the subtitle setting appears on the TV screen, to select "On" or "Off."



On: Subtitles are displayed.



Off: Subtitles are not displayed.



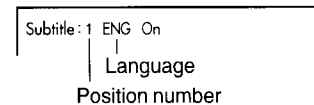
## Selecting a Subtitle Language

You can select a subtitle language from those included on the DVD video disc.

**1** **SUBTITLE** Press **SUBTITLE** during playback.

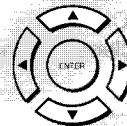


The current subtitle setting appears for about 3 seconds.

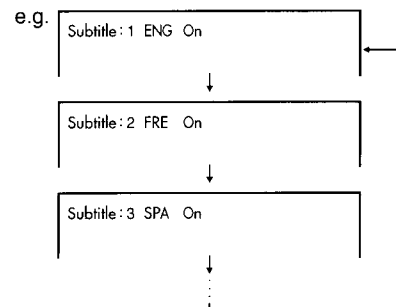


The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. [50](#)

**2** **SUBTITLE** Press **SUBTITLE** or **▲** while the subtitle setting appears on the TV screen.



Each time you press the **SUBTITLE** or **▲** button, the subtitle languages included on the DVD video disc change.



▼ : Cycles backwards

### To turn off the subtitle setting indicator

CLEAR



Press **CLEAR**.

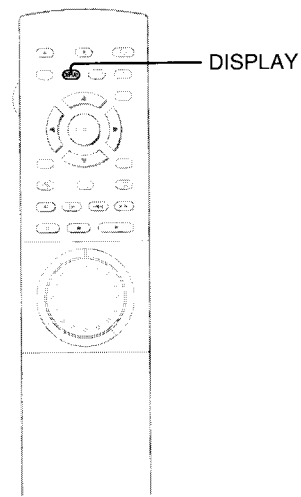
### Notes

- Some DVD video discs are set to display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- During some scenes, the subtitles may not appear immediately after you select "On."
- Some DVD video discs will allow you to make subtitle selections and turn subtitles on or off only via the disc menu.

### Notes

- When you turn on the DVD video player or replace a disc, the player returns to the initial default setting. [35](#)
- When you select a subtitle language which is not included on the disc, the DVD video player plays a prior language programmed on the disc.
- During some scenes, the subtitles may not appear immediately after you change the subtitle language by pressing the **▲** / **▼** buttons.

# Using the On-Screen Display



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

DVD VCD CD

## Checking the Operational Status

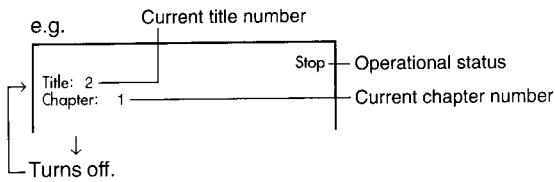
You can view the current title number, track number, and total playing time of the disc on the TV screen.

DISPLAY

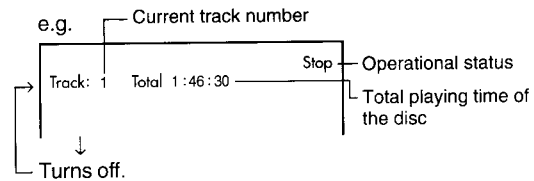
### Press DISPLAY during stop.

Each time you press the DISPLAY button, the on-screen display changes as follows.

(DVD video disc)



(VIDEO CD/audio CD)



DVD VCD CD

## Checking the Remaining Time and Setting Status

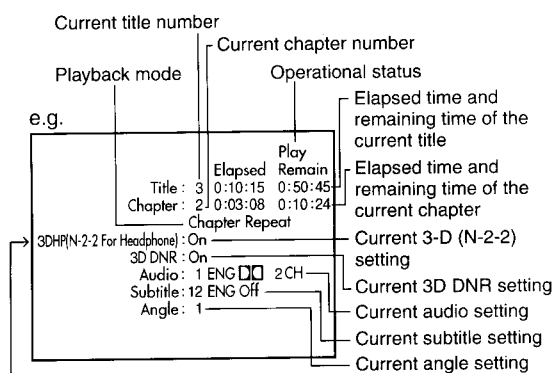
You can view the elapsed time, remaining time, and setting status of the disc on the TV screen.

DISPLAY

### Press DISPLAY during playback.

Each time you press the DISPLAY button, the on-screen display changes as follows.

(DVD video disc)



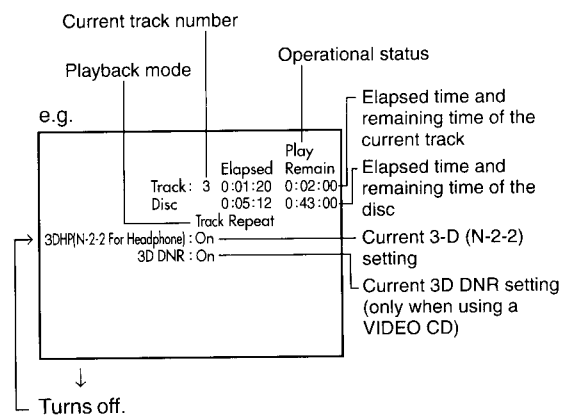
The abbreviation of the language (e.g. ENG) appears instead of the language name. Refer to the list of languages and their abbreviations. **50**



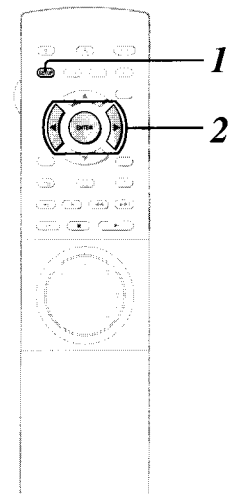
Data transfer rate (Mbit/s)  
= Amount of picture, sound and subtitle data in the DVD video disc transferred per second.  
The larger the value is, the more data processed, but this does not necessarily insure better picture quality.

Turns off.

(VIDEO CD/audio CD)



# Customizing the Function Settings



You can change the default settings to customize performance to your preference.

## Selecting a Setting Category

The setting menu asks you to select a setting category from LANGUAGE, PICTURE, AUDIO, DISPLAY and OPERATION. Each selected category will provide you setting details.

**1** **SETUP**

**Press SETUP during stop.**  
The setting menu appears.

| LANGUAGE           |     |
|--------------------|-----|
| On-Screen Language | ENG |
| Disc Menu Language | ENG |
| Audio Language     | ENG |
| Subtitle Language  | --- |

**2**

**Press ◀/▶ to select the category, then press ENTER.**

Categories

| LANGUAGE           |     |
|--------------------|-----|
| On-Screen Language | ENG |
| Disc Menu Language | ENG |
| Audio Language     | ENG |
| Subtitle Language  | --- |

| PICTURE     |       |
|-------------|-------|
| TV Shape    | 4:3LB |
| Block Level | Nrml  |

| AUDIO                   |           |
|-------------------------|-----------|
| Audio Out Select        | Bitstream |
| Dynamic Range Control   | On        |
| Karaoke Vocal           | Off       |
| Extended Audio Features | Off       |

| DISPLAY                    |      |
|----------------------------|------|
| On-Screen Displays         | On   |
| OSD Background Color       | Gray |
| Extended Subtitle Features | Off  |
| Screen Saver               | On   |

| OPERATION           |      |
|---------------------|------|
| Pause/Still         | Auto |
| Parental Lock       | Off  |
| Remote Confirmation | On   |
| Title Stop          | Off  |
| PBC                 | On   |

### Notes

- The setting menu disappears when you press the SETUP button.
- The SETUP button can function even during normal playback, however some operations may be inaccessible, and a message will appear. In this case, try again after playing is stopped.




| Setting                    |            | Details  | Page |
|----------------------------|------------|--|------|
| On-Screen Language         | DVD VCD CD | To select a preferred language for on-screen displays.   | 34   |
| Disc Menu Language         | DVD        | To select a preferred language for disc menus.   | 34   |
| Audio Language             | DVD        | To select a preferred language for the sound track.  | 35   |
| Subtitle Language          | DVD        | To select a preferred language for subtitles.  | 35   |
| TV Shape                   | DVD        | To select a picture size according to the aspect ratio of your TV.   | 36   |
| Black Level                | DVD VCD    | To select the black level of playback pictures.  | 37   |
| Audio Out Select           | DVD VCD CD | To select an output sound type according to your system connection.  | 38   |
| Dynamic Range Control      | DVD        | To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late hours playback. | 40   |
| Karaoke Vocal              | DVD        | To turn on or off the vocal output during DVD KARAOKE disc playback.   | 40   |
| Extended Audio Features    | DVD        | To turn on or off special language for visually impaired persons.  | 40   |
| On-Screen Displays         | DVD VCD CD | To turn on or off the operational status display (On-screen display) on the TV screen.                                       | 42   |
| OSD Background Color       | DVD VCD CD | To select the background color for on-screen displays.   | 42   |
| Extended Subtitle Features | DVD        | To turn on or off special subtitles for hearing impaired persons.  | 42   |
| Screen Saver               | DVD VCD    | To turn on or off the screen saver.  | 43   |
| Pause/Still                | DVD        | To select the resolution of still pictures.  | 44   |
| Parental Lock              | DVD        | To turn on or off the parental lock function.  | 44   |
| Remote Confirmation        | DVD VCD CD | To turn on or off the confirmation beeper for each remote command received.  | 46   |
| Title Stop                 | DVD        | To turn on or off a feature that automatically stops playback after a title has been viewed.                                 | 46   |
| PBC                        | VCD        | To use the menu screen when playing a PBC-controllable VIDEO CD.   | 46   |

(Continued)

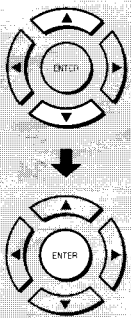
# Customizing the Function Settings (continued)



After you select LANGUAGE , adjust to your preference.

## LANGUAGE Setting

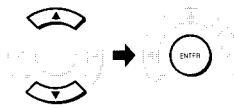
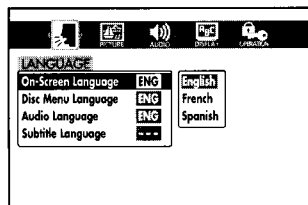
3



(Continued from page 32.)

Press **▲ / ▼** to select the item, then press **ENTER**.

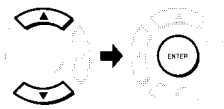
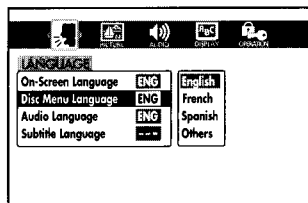
### On-Screen Language



Select a preferred language by pressing **▲ / ▼**, and then press **ENTER**.

→ If you do not adjust any other settings, proceed to step 4.

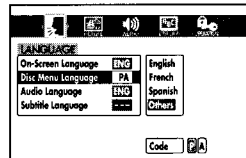
### Disc Menu Language




Select a preferred language by pressing **▲ / ▼**, and then press **ENTER**.

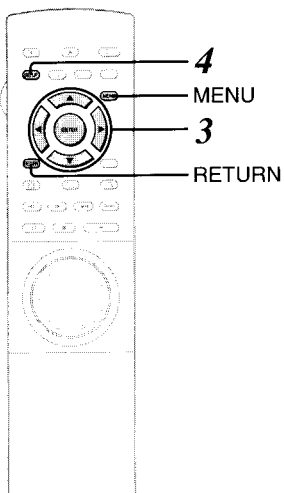
→ If you do not adjust any other settings, proceed to step 4.

■ To select other languages:



- 1) Select "Others" and press the ENTER button.
- 2) Obtain the abbreviation of the preferred language from the list .
- 3) Select the first character by pressing the **▲ / ▼** buttons.
- 4) Press the **◀ / ▶** buttons to shift and select the second character by pressing the **▲ / ▼** buttons.
- 5) Press the ENTER button.

• Some DVD video discs may not include your pre-selected language. In this case, the DVD video player automatically displays disc menus consistent with the disc's initial language setting.

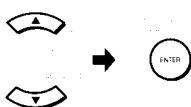
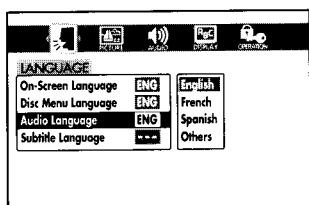


**RETURN** : If you press the RETURN button while a menu appears on the screen, you will return to the previous menu screen displayed.

DVD VCD CD

### Audio Language

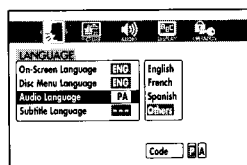
DVD



Select a preferred language by pressing ▲ / ▼, and then press ENTER.

→ If you do not adjust any other settings, proceed to step 4.

■ To select other languages:

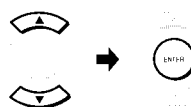
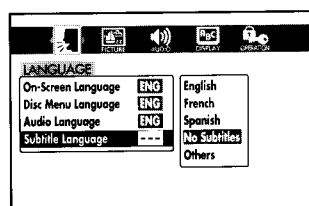


- 1) Select "Others" and press the ENTER button.
- 2) Obtain the abbreviation of the preferred language from the list [50].
- 3) Select the first character by pressing the ▲ / ▼ buttons.
- 4) Press the ◀ / ▶ buttons to shift and select the second character by pressing the ▲ / ▼ buttons.
- 5) Press the ENTER button.

• Some DVD video discs may be played in a different language than you selected. A prior language may be programmed on the disc.

### Subtitle Language

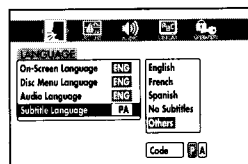
DVD



Select a preferred language by pressing ▲ / ▼, and then press ENTER.

→ If you do not adjust any other settings, proceed to step 4.

■ To select other languages:



- 1) Select "Others" and press the ENTER button.
- 2) Obtain the abbreviation of the preferred language from the list [50].
- 3) Select the first character by pressing the ▲ / ▼ buttons.
- 4) Press the ◀ / ▶ buttons to shift and select the second character by pressing the ▲ / ▼ buttons.
- 5) Press the ENTER button.

• If you select "No Subtitles," subtitles are not displayed.  
 • Some DVD video discs may be set to display subtitles in a different language than you selected. A prior subtitle language may be programmed on the disc.  
 • Some DVD video discs allow you to change subtitle selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate subtitle language from the selection on the disc menu.

4

SETUP

Press SETUP.

The setting menu disappears.

Function Setup

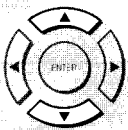
# Customizing the Function Settings (continued)



After you select PICTURE 32, adjust to your preference.

## PICTURE Setting

3



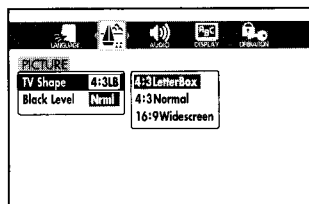
(Continued from page 32.)

Press **▲ / ▼** to select the item, then press **ENTER**.



TV Shape

DVD



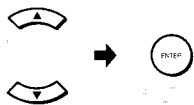
**4:3 LetterBox:** Select when a 4:3 TV is connected. Displays theatrical images with masking bars above and below the picture.



**4:3 Normal:** Select when a 4:3 TV is connected. Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off.



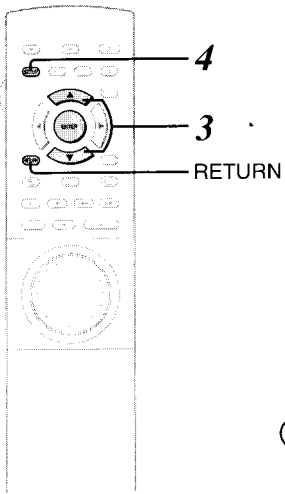
**16:9 Widescreen:** Select when a 16:9 wide TV is connected.



**Select your TV type by pressing **▲ / ▼**, and then press **ENTER**.**

→ If you do not adjust any other settings, proceed to step 4.

- The displayable picture size is preset on the DVD video disc. Therefore, the playback picture of some DVD video discs may not conform to the picture size you select.
- When you play DVD video discs recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.
- If you select "16:9 Widescreen" and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Always be sure that your TV shape conforms to the actual TV in use.

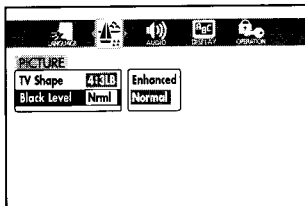


**RETURN** : If you press the RETURN button while a menu appears on the screen, you will return to the previous menu screen displayed.

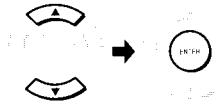
DVD VCD

**Black Level**

DVD VCD



**Enhanced:** Expanded black level.  
**Normal:** Standard black level.



**Select the black level by pressing ▲ / ▼, and then press ENTER.**

→ If you do not adjust any other settings, proceed to step 4.

**4**

**SETUP**

**Press SETUP.**

The setting menu disappears.

# Customizing the Function Settings (continued)



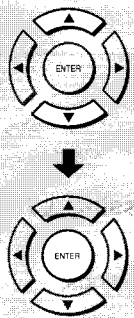
After you select AUDIO [32], adjust to your preference.

## AUDIO Setting

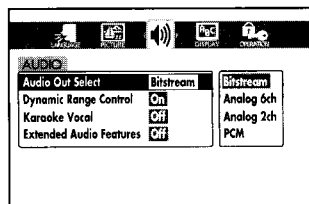
3

(Continued from page 32.)

Press ▲ / ▼ to select the item, then press ENTER.



**Audio Out Select** DVD VCD CD



Select the output sound type according to your system connection.

For details of sound recording systems, see [29].

### Bitstream:

Select when connected to an amplifier equipped with a Dolby Digital, DTS or MPEG2 decoder. [14] [15]

The DVD video player outputs digital audio information in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS or MPEG2 recording system.

### Analog 6ch:

Select when connected to a Dolby Digital ready amplifier equipped with 5.1ch audio inputs. [14]

This DVD video player is equipped with a Dolby Digital decoder.

The next screen will appear for the detailed setting. See [39].

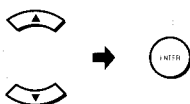
### Analog 2ch:

Select when connected to a TV, or Dolby Pro Logic or stereo system via the analog audio jacks. [12] [13]

### PCM:

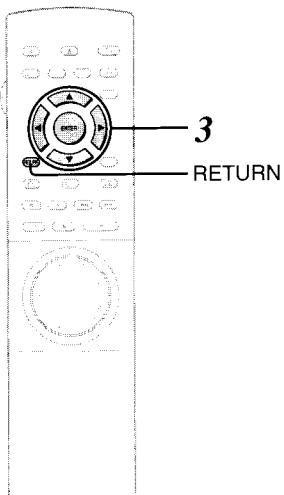
Select when connected to a 2 channel digital stereo amplifier. [15]

The DVD video player outputs sounds in the PCM 2ch (48 kHz/16 bit) format when you play a DVD video disc recorded on the Dolby Digital, DTS or MPEG2 recording system.



Select the output sound type by pressing ▲ / ▼, and then press ENTER.

→ If you do not adjust any other settings, proceed to step 4.

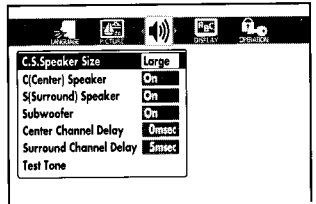


**RETURN** : If you press the RETURN button while a menu appears on the screen, you will return to the previous menu screen displayed.

DVD VCD CD

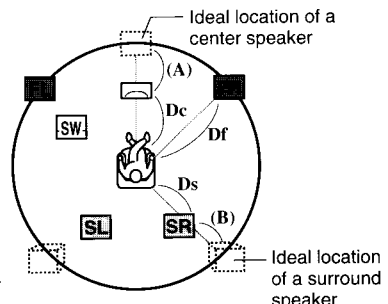
■ When you select "Analog 6Ch" **38** :

Make the follow settings for the built-in 5.1ch surround decoder.



- 1) Select an item by pressing the ▲ / ▼ buttons, and press the ENTER button.
- 2) Make the settings (see below) by pressing the ▲ / ▼ / ◀ / ▶ buttons, and press the ENTER button.

|   |  |       |
|---|--|-------|
| <b>C.S. Speaker Size</b>  | <b>Large:</b> When the main speakers can reproduce low frequency signals below 120 Hz.<br><b>Small:</b> When the main speakers cannot reproduce low frequency signals below 120 Hz.  |       |
| <b>C(Center) Speaker</b>  | <b>On:</b> When you connect center speakers.<br><b>Off:</b> When center speakers are not connected.  | ▲ / ▼ |
| <b>S(Surround) Speaker</b>  | <b>On:</b> When you connect surround speakers.<br><b>Off:</b> When surround speakers are not connected.  |       |
| <b>Subwoofer</b>  | <b>On:</b> When you connect a sub woofer.<br><b>Off:</b> When a sub woofer is not connected.   |       |
| <p>• <b>Adjusting the delay time:</b><br/>When enjoying 5.1ch surround playback, it is ideal to choose a listening position that is the same distance from each speaker. By adjusting the delay time of the center/surround speakers, you can virtually create an ideal listening environment (as if the center/surround speakers were at their ideal locations respectively as below.)</p> |  | ◀ / ▶ |
| <b>Center Channel Delay</b>   | <p><b>0msec:</b> When Df equals Dc.<br/> <b>1msec:</b> When (A) is approx. 34 cm (13 inch)<br/> <b>2msec:</b> When (A) is approx. 68 cm (27 inch)<br/> <b>3msec:</b> When (A) is approx. 102 cm (40 inch) ...<br/>           *(A) = Df - Dc<br/>           Get your optimum value (0, 1, 2 ... 5) deviding (A) by 34.</p>  |       |
| <b>Surround Channel Delay</b>   | <p><b>0msec:</b> When Df equals Ds.<br/> <b>1msec:</b> When (B) is approx. 34 cm (13 inch)<br/> <b>2msec:</b> When (B) is approx. 68 cm (27 inch)<br/> <b>3msec:</b> When (B) is approx. 102 cm (40 inch) ...<br/>           *(B) = Df - Ds<br/>           Get your optimum value (0, 1, 2 ... 15) deviding (B) by 34.</p> |       |



All speakers should be located within a circle with a radius of Df.

- 3) Select "Test Tone" and press the ENTER button.  
The DVD video player outputs a test signal to each speaker.  
Press the ◀ / ▶ buttons to switch the receiving speakers, and adjust the channel balance on the amplifier so that each signal is heard at its appropriate volume level.

(Continued)

Function Setup

# Customizing the Function Settings (continued)

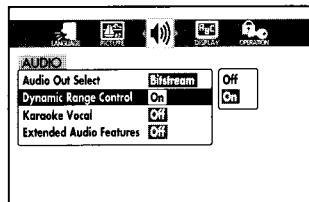


## AUDIO Setting (continued)

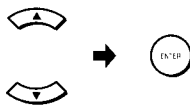
(Continued)

### Dynamic Range Control

DVD



**On:** Dynamic range is reduced.  
**Off:** Full dynamic range is maintained.



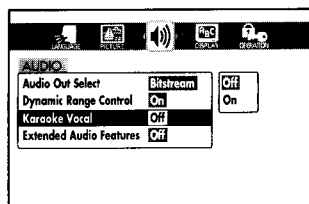
Select "On" or "Off" by pressing **▲ / ▼**, and then press **ENTER**.

→ If you do not adjust any other settings, proceed to step 4.

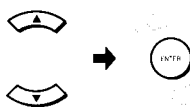
- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on the DVD video disc.

### Karaoke Vocal

DVD



**On:** The primary vocal is output when it is recorded on the disc.  
**Off:** The primary vocal is not output.



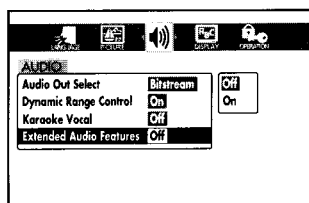
Select "On" or "Off" by pressing **▲ / ▼**, and then press **ENTER**.

→ If you do not adjust any other settings, proceed to step 4.

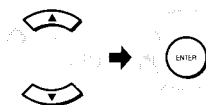
The vocal output feature is used during playback of Dolby Digital (multi-channel) recorded DVD KARAOKE discs. This feature allows you to turn off vocal audio tracks, or restore them for background accompaniment.

### Extended Audio Features

DVD



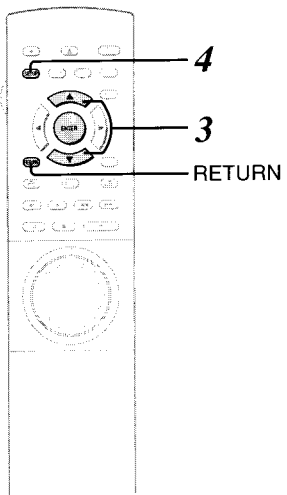
**On:** Some DVD video discs contain special language track that describes the actions on-screen for visually impaired persons. The DVD video player automatically plays this special feature.  
**Off:** The DVD video player does not play this special feature.



Select "On" or "Off" by pressing **▲ / ▼**, and then press **ENTER**.

→ If you do not adjust any other settings, proceed to step 4.





**RETURN** : If you press the RETURN button while a menu appears on the screen, you will return to the previous menu screen displayed.

DVD

4

**SETUP**

**Press SETUP.**

The setting menu disappears.

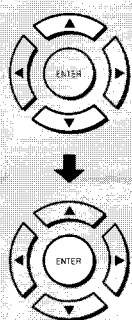
# Customizing the Function Settings (continued)



After you select DISPLAY [32], adjust to your preference.

## DISPLAY Setting

3

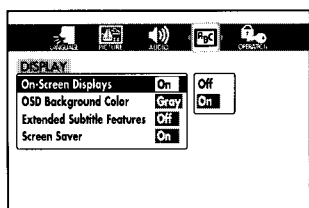



(Continued from page 32.)

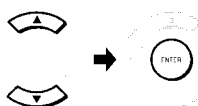
Press ▲ / ▼ to select the item, then press ENTER.

### On-Screen Displays

DVD VCD CD



**On:** Operational modes are displayed on-screen. (e.g. "Play", )  
**Off:** Operational modes are not displayed.

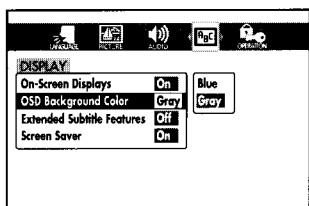


Select "On" or "Off" by pressing ▲ / ▼, and then press ENTER.

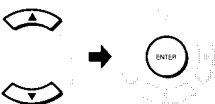
→ If you do not adjust any other settings, proceed to step 4.

### OSD Background Color

DVD VCD CD



**Gray:** Gray background.  
**Blue:** Blue background.

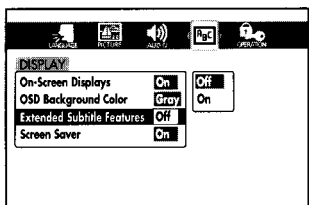


Select the background color by pressing ▲ / ▼, and then press ENTER.

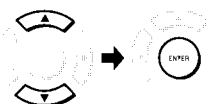
→ If you do not adjust any other settings, proceed to step 4.

### Extended Subtitle Features

DVD

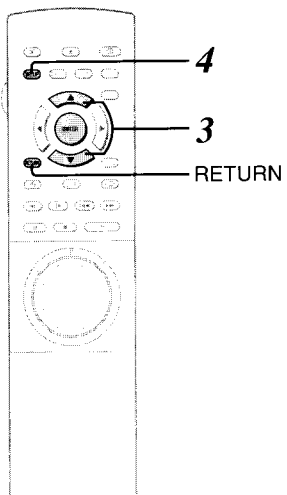


**On:** Some DVD video discs contain special subtitles, an enhancement of closed captioning for hearing impaired persons. The DVD video player automatically displays these special subtitles.  
**Off:** The DVD video player does not display these special subtitles.



Select "On" or "Off" by pressing ▲ / ▼, and then press ENTER.

→ If you do not adjust any other settings, proceed to step 4.

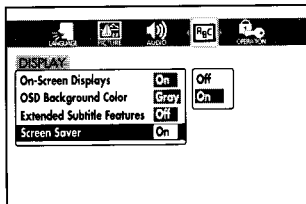


**RETURN** : If you press the RETURN button while a menu appears on the screen, you will return to the previous menu screen displayed.

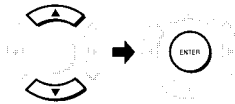
DVD VCD CD

### Screen Saver

DVD VCD



**On:** The screen saver works.  
**Off:** The screen saver does not work.



**Select "On" or "Off" by pressing ▲ / ▼, and then press ENTER.**

→ If you do not adjust any other settings, proceed to step 4.

4

SETUP

### Press SETUP.

The setting menu disappears.

# Customizing the Function Settings (continued)



After you select OPERATION **[32]**, adjust to your preference.

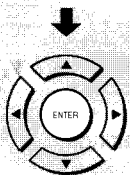
## OPERATION Setting

3



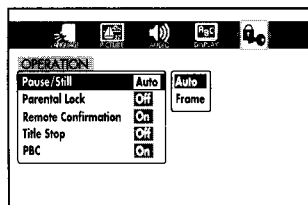
(Continued from page 32.)

Press **▲ / ▼** to select the item, then press ENTER.



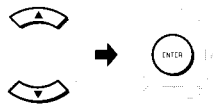
### Pause/Still

DVD



**Auto:** For normal use. Pictures can pause without shaking.

**Frame:** The resolution of still pictures is raised, so that you can make especially a motionless picture more clearer when you pause it.



Select "Auto" or "Frame" by pressing **▲ / ▼**, and then press ENTER.

→ If you do not adjust any other settings, proceed to step 4.

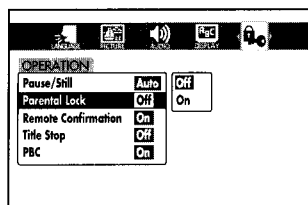
### Parental Lock

DVD

#### Parental Lock

DVD video discs equipped with the parental lock function are rated according to their content. The contents allowed by a parental lock level and the way a DVD video disc can be controlled may vary from disc to disc. For example, if the disc allowed you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out playback of the disc altogether.

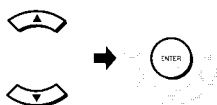
- DVD video discs may or may not respond to the parental lock settings. This is not a defect in the DVD video player. Make sure this function works with your DVD video discs.



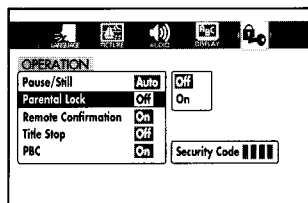
**On:** Select when you activate the parental lock feature or change the settings.

The next screen will appear for the detailed setting. **[45]**

**Off:** The parental lock feature does not function.



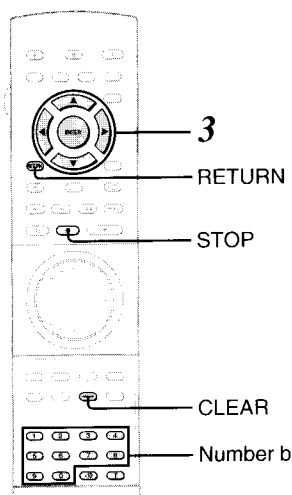
Select "On" or "Off" by pressing **▲ / ▼**, and then press ENTER.



Press the number buttons to create a personal 4-digit security code, then press ENTER.

If you make a mistake before pressing the ENTER button, press the CLEAR button and enter your 4-digit security code again.

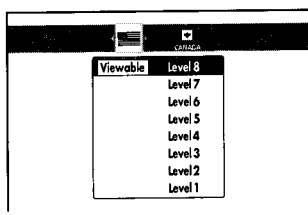
→ If you do not adjust any other settings, proceed to step 4.



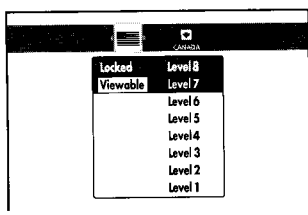
**RETURN** : If you press the **RETURN** button while a menu appears on the screen, you will return to the previous menu screen displayed.

DVD

■ When you select "On" :



1) Press the ◀ / ▶ buttons to select the country whose standards were used to rate the DVD video disc, then press the ENTER button.



2) Press the ▲ / ▼ buttons to select the parental lock level, then press the ENTER button.

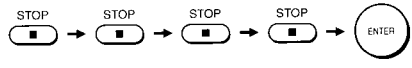
You cannot play DVD video discs rated higher than the level you selected unless you cancel the parental lock function. For example, when you select level 7, discs rated higher than level 7 are locked out and cannot be played.

The parental lock level is equivalent to the following USA movie ratings.

- LEVEL 7: NC-17                      LEVEL 3: PG
- LEVEL 6: R                            LEVEL 1: G
- LEVEL 4: PG 13

The parental lock levels for "CANADA" are included for future use. Check the appropriate parental lock level when you buy a DVD video disc equipped with the parental lock feature in the future.

- To change the parental lock level:  
Follow the above procedure.
- To change your 4-digit security code:  
After selecting "On" or "Off" , press the STOP button for times, then press the ENTER button.



The 4-digit security code is cleared. Press the number buttons to create a new 4-digit security code, then press the ENTER button.

Function Setup

(Continued)

# Customizing the Function Settings (continued)

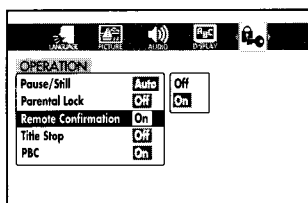


## OPERATION Setting (continued)

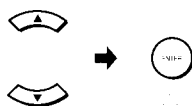
(Continued)

### Remote Confirmation

DVD VCD CD



**On:** Beeper sounds with each remote operation.  
**Off:** The beeper does not sound.

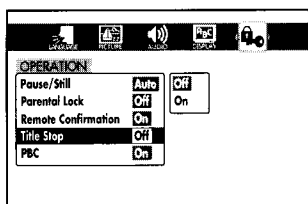


Select "On" or "Off" by pressing ▲ / ▼,  
and then press ENTER.

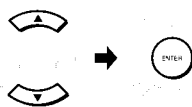
→ If you do not adjust any other settings,  
proceed to step 4.

### Title Stop

DVD



**On:** Player stops after playback of a title is completed.  
**Off:** Player continues after playback of a title is completed.

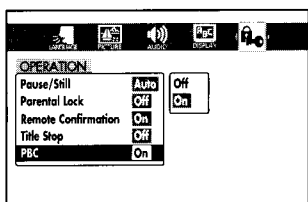


Select "On" or "Off" by pressing ▲ / ▼,  
and then press ENTER.

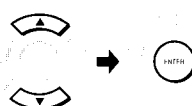
→ If you do not adjust any other settings,  
proceed to step 4.

### PBC

VCD



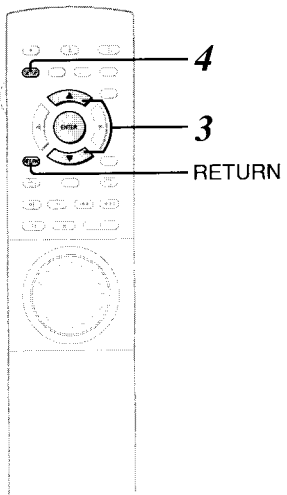
**On:** To view the menu screen when playing a PBC-featured VIDEO CD.  
**Off:** For playback without using the menu screen.



Select "On" or "Off" by pressing ▲ / ▼,  
and then press ENTER.

→ If you do not adjust any other settings,  
proceed to step 4.

\* PBC is the abbreviation of  
Playback Control.



**RETURN** : If you press the RETURN button while a menu appears on the screen, you will return to the previous menu screen displayed.

DVD VCD CD

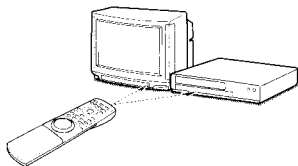
4

**SETUP**

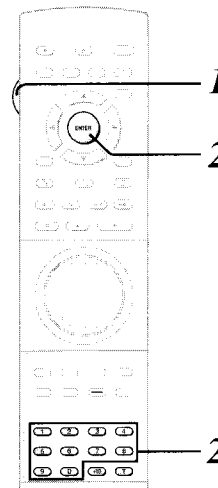
**Press SETUP.**

The setting menu disappears.

# Operating Other Equipment with the Remote Control



You can operate the basic functions of selected TVs and Cable Boxes using the supplied remote control.



## Programming the Remote Control

You can operate other equipment with the DVD remote control.

**1**

Set the remote control selector to the position corresponding to the equipment you want to operate.

To operate a TV  
To operate a Cable Box

**2**

While holding down **ENTER**, press the number buttons that correspond to your equipment's brand code (listed on the next page).

e.g. To program brand code 060

Hold down.

**3**

**Release ENTER.**

The DVD remote control memorizes the selected brand code.

**4**

**Point the remote control at the equipment you want to operate.**

Always remember to set the remote control selector to the position that corresponds to the equipment you want to operate.

## Operating Other Equipment

Operate other equipment using the buttons as follows.

| Button         | Function  | Equipment       |
|----------------|---|-----------------|
| POWER          | To turn the power on and off.                                   | TV, Cable box   |
| CH ▲ / ▼       | To select a channel.  | TV, Cable box   |
| VOL +/-        | To adjust the volume.   | TV              |
| RETURN         | Refer to the equipment's instruction.                           | TV              |
| DISPLAY        | To turn the on-screen display on and off.                       | TV              |
| ENTER          | Refer to the equipment's instruction.                           | TV, Cable box   |
| Number buttons | To enter the channel number.                                    | TV, Cable box   |
| TV/VIDEO       | To select a video input.<br>To turn the video output on or off. | TV<br>Cable box |

### Notes

- The remote control is programmed at the factory to operate Toshiba TVs (156) and Toshiba Cable Boxes (000).
- A single brand may use different codes depending on the particular model. Enter the correct number referring to the brand code table.
- For some brands, several brand codes are provided. Try each of them until the remote control operates your equipment.
- Some equipment may not respond to all of the functions in the table above, or may not be operated at all with this remote control. In this case, operate that equipment with its own remote control.
- If you replace the remote control's batteries, remember to reprogram the brand codes for TV and cable box.



## Brand Code Table

TV code table

| Brand name    | Brand code   | Brand name  | Brand code  |
|---------------|--|-------------|---|
| Toshiba       | 060, 149, 154, 156   | Philco      | 019, 020, 030, 054, 096, 145, 463                     |
| Bell & Howell | 016, 154   | Philips     | 054   |
| Carver        | 054  | Proton      | 003, 178  |
| Citizen       | 030, 039, 056, 060, 092  | Pulsar      | 017, 019  |
| Curtis Mathes | 016, 030, 039, 047, 051, 054, 056, 060, 154, 451                     | Quasar      | 051, 055, 165, 250                                    |
| Emerson       | 019, 039, 154, 177, 178, 179, 180, 185, 236, 282, 463                | Radio Shack | 019, 030, 039, 047, 056, 154, 165, 178, 180           |
| Fisher        | 154, 159   | RCA         | 018, 019, 047, 051, 090, 135                          |
| GE            | 021, 047, 051, 055, 135, 178, 282, 451                               | Realistic   | 019, 030, 039, 056, 154, 165, 178, 180                |
| GoldStar      | 019, 030, 056, 178   | Runco       | 017, 030  |
| Hallmark      | 178  | Samsung     | 019, 030, 056, 060, 178                               |
| Hitachi       | 056, 145, 151  | Sanyo       | 154, 159  |
| Infinity      | 054  | Sears       | 047, 054, 056, 149, 154, 156, 159, 171, 178, 179      |
| JBL           | 054  | Sharp       | 039, 093, 165   |
| JVC           | 053  | Sony        | 000   |
| LXi           | 047, 054, 154, 156, 178  | Soundesign  | 178, 179, 180   |
| Magnavox      | 020, 030, 054, 096, 179, 187   | Sylvania    | 020, 030, 054, 096                                    |
| Marantz       | 030, 054   | Tandy       | 093   |
| Memorex       | 016, 056, 150, 154, 178  | Technics    | 051, 250  |
| MGA           | 019, 030, 150, 178   | Teknika     | 016, 019, 039, 054, 056, 060, 092, 150, 179, 180      |
| Mitsubishi    | 019, 093, 150, 178   | TMK         | 056, 177, 178   |
| MTC           | 019, 030, 056, 060, 185  | Vidtech     | 019, 178  |
| NAD           | 156, 166, 178  | Wards       | 016, 019, 020, 021, 030, 054, 056, 096, 165, 178, 179 |
| Optonica      | 093, 165   | Zenith      | 016, 017, 092   |
| Panasonic     | 051, 055, 250  |             |   |
| Penney        | 003, 018, 019, 021, 030, 039, 047, 051, 056, 060, 135, 149, 156, 178 |             |   |

Cable Box code table

| Brand name         | Brand code                        |
|--------------------|-----------------------------------|
| Toshiba            | 000                               |
| ABC                | 003, 007, 008, 011, 013, 014, 017 |
| Archer             | 022, 153, 797                     |
| Century            | 153                               |
| Citizen            | 153, 315                          |
| Comtronics         | 040                               |
| Eastern            | 002                               |
| Garrard            | 153                               |
| Gemini             | 015                               |
| General Instrument | 011, 276, 476                     |
| Hamlin             | 009, 020, 034, 259                |
| Hitachi            | 011                               |
| Jasco              | 153, 315                          |
| Jerrold            | 003, 011, 012, 014, 015, 276, 476 |
| Memorex            | 000                               |
| Movie Time         | 063                               |
| NSC                | 063                               |
| Oak                | 007, 019                          |
| Panasonic          | 000, 021, 107                     |
| Paragon            | 000                               |
| Philips            | 153                               |
| Pioneer            | 144, 533                          |
| Pulsar             | 000                               |
| RCA                | 021                               |
| Regal              | 020, 259                          |
| Regency            | 002                               |
| Rembrandt          | 011                               |
| Runco              | 000                               |
| Samsung            | 040, 144                          |
| Scientific Atlanta | 008, 017, 277, 477                |
| Signal             | 015, 040                          |
| Signature          | 011                               |
| SL Marx            | 040                               |
| Sprucer            | 021                               |
| Starcom            | 003, 015                          |
| Stargate           | 015, 040, 797                     |
| Tocom              | 012, 013                          |
| Unika              | 022, 153                          |
| United Artists     | 007                               |
| United Cable       | 003                               |
| Universal          | 022, 153, 191                     |
| Viewstar           | 063                               |
| Zenith             | 000, 525                          |

### Note

The code numbers listed above were the most recent ones available at the time of manufacture.

# Table of Languages

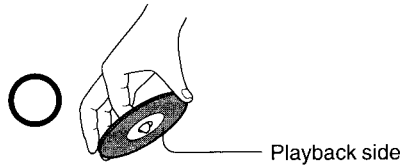
## Table of Languages and Their Abbreviations

| Abbreviation of the Language | Language              | Abbreviation of the Language | Language        | Abbreviation of the Language | Language         | Abbreviation of the Language | Language   |
|------------------------------|-----------------------|------------------------------|-----------------|------------------------------|------------------|------------------------------|------------|
| ---                          | No alternate language | EO                           | Esperanto       | LN                           | Lingala          | SL                           | Slovenian  |
| CHI (ZH)                     | Chinese               | ET                           | Estonian        | LO                           | Laotian          | SM                           | Samoan     |
| DUT (NL)                     | Dutch                 | EU                           | Basque          | LT                           | Lithuanian       | SN                           | Shona      |
| ENG (EN)                     | English               | FA                           | Persian         | LV                           | Latvian, Lettish | SO                           | Somali     |
| FRE (FR)                     | French                | FI                           | Finnish         | MG                           | Malagasy         | SQ                           | Albanian   |
| GER (DE)                     | German                | FJ                           | Fiji            | MI                           | Maori            | SR                           | Serbian    |
| ITA (IT)                     | Italian               | FO                           | Faroese         | MK                           | Macedonian       | SS                           | Siswati    |
| JPN (JA)                     | Japanese              | FY                           | Frisian         | ML                           | Malayalam        | ST                           | Sesotho    |
| KOR (KO)                     | Korean                | GA                           | Irish           | MN                           | Mongolian        | SU                           | Sundanese  |
| MAY (MS)                     | Malay                 | GD                           | Scottish Gaelic | MO                           | Moldavian        | SV                           | Swedish    |
| SPA (ES)                     | Spanish               | GL                           | Galician        | MR                           | Marathi          | SW                           | Swahili    |
| AA                           | Afar                  | GN                           | Guarani         | MT                           | Maltese          | TA                           | Tamil      |
| AB                           | Abkhazian             | GU                           | Gujarati        | MY                           | Burmese          | TE                           | Telugu     |
| AF                           | Afrikaans             | HA                           | Hausa           | NA                           | Nauru            | TG                           | Tajik      |
| AM                           | Amharic               | HI                           | Hindi           | NE                           | Nepali           | TH                           | Thai       |
| AR                           | Arabic                | HR                           | Croatian        | NO                           | Norwegian        | TI                           | Tigrinya   |
| AS                           | Assamese              | HU                           | Hungarian       | OC                           | Occitan          | TK                           | Turkmen    |
| AY                           | Aymara                | HY                           | Armenian        | OM                           | (Afan) Oromo     | TL                           | Tagalog    |
| AZ                           | Azerbaijani           | IA                           | Interlingua     | OR                           | Oriya            | TN                           | Setswana   |
| BA                           | Bashkir               | IE                           | Interlingue     | PA                           | Panjabi          | TO                           | Tongan     |
| BE                           | Belorussian           | IK                           | Inupiak         | PL                           | Polish           | TR                           | Turkish    |
| BG                           | Bulgarian             | IN                           | Indonesian      | PS                           | Pashto, Pushto   | TS                           | Tsonga     |
| BH                           | Bihari                | IS                           | Icelandic       | PT                           | Portuguese       | TT                           | Tatar      |
| BI                           | Bislama               | IW                           | Hebrew          | QU                           | Quechua          | TW                           | Twi        |
| BN                           | Bengali, Bangla       | JI                           | Yiddish         | RM                           | Rhaeto-Romance   | UK                           | Ukrainian  |
| BO                           | Tibetan               | JW                           | Javanese        | RN                           | Kirundi          | UR                           | Urdu       |
| BR                           | Breton                | KA                           | Georgian        | RO                           | Rumanian         | UZ                           | Uzbek      |
| CA                           | Catalan               | KK                           | Kazakh          | RU                           | Russian          | VI                           | Vietnamese |
| CO                           | Corsican              | KL                           | Greenlandic     | RW                           | Kinyarwanda      | VO                           | Volapük    |
| CS                           | Czech                 | KM                           | Cambodian       | SA                           | Sanskrit         | WO                           | Wolof      |
| CY                           | Welsh                 | KN                           | Kannada         | SD                           | Sindhi           | XH                           | Xhosa      |
| DA                           | Danish                | KS                           | Kashmiri        | SG                           | Sango            | YO                           | Yoruba     |
| DZ                           | Bhutani               | KU                           | Kurdish         | SH                           | Serbo-Croatian   | ZU                           | Zulu       |
| EL                           | Greek                 | KY                           | Kirghiz         | SI                           | Singhalese       |                              |            |
|                              |                       | LA                           | Latin           | SK                           | Slovak           |                              |            |

# Notes on Discs

## On Handling Discs

- Do not touch the playback side of the disc.

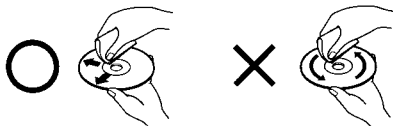


- Do not attach paper or tape to discs.



## On Cleaning Discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards 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 solvent such as thinner, benzene, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

## 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.

## About This Owner's Manual

This owner's manual explains the basic instructions of this DVD video player. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD video player may not respond to all operating commands. This is not a defect in the DVD video player. Refer to instruction notes of discs.




"Ⓜ" may appear on the TV screen during operation. A "Ⓜ" means that the operation is not permitted by the DVD video player or the disc.

## Notes on Region Numbers

The region number of this DVD video player is 1. If region numbers, which stand for their playable area, are printed on your DVD video disc and you do not find  or , disc playback will not be allowed by the player. (In this case, the DVD video player displays the message.)

## Playable Discs

This DVD video player can play the following discs.

|                 | Disc mark  | Contents                        | Disc size        | Maximum playback time   |
|-----------------|--|---------------------------------|------------------|---|
| DVD video discs |   | Audio + Video (moving pictures) | 12 cm            | Approx. 4 hours (single sided disc)<br>Approx. 8 hours (double sided disc)        |
|                 |  |                                 | 8 cm             | Approx. 80 minutes (single sided disc)<br>Approx. 160 minutes (double sided disc) |
| VIDEO CDs       |   | Audio+ Video (moving pictures)  | 12 cm            | Approx. 74 minutes  |
|                 |  |                                 | 8 cm             | Approx. 20 minutes  |
| Audio CDs       |  | Audio                           | 12 cm            | Approx. 74 minutes  |
|                 |  |                                 | 8 cm (CD single) | Approx. 20 minutes  |

You cannot play discs other than those listed above.

This DVD video player uses the NTSC color system, and cannot play DVD video discs recorded in any other color system (PAL, SECAM, etc.).

## On VIDEO CDs

This DVD video player supports VIDEO CDs equipped with the PBC (Version 2.0) function. (PBC is the abbreviation of Playback Control.) You can enjoy two playback variations depending on types of discs.

- VIDEO CD not equipped with PBC function (Version 1.1)**  
Sound and movie can be played on this DVD video player in the same way as an audio CD.
- VIDEO CD equipped with PBC function (Version 2.0)**  
In addition to operation of a VIDEO CD not equipped with the PBC function, you can enjoy playback of interactive software with search function by using the menu displayed on the TV screen (Menu Playback). Some of the functions described in this owner's manual may not work with some discs.

## Notes on Copyright

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.

# Before Calling Service Personnel

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

## Symptoms and Correction

| Symptom  | Cause   | Correction   | Page           |
|--|---|--|----------------|
| No power.  | <ul style="list-style-type: none"> <li>The power plug is disconnected.</li> </ul>   | <ul style="list-style-type: none"> <li>Connect the power plug securely into the wall outlet.</li> </ul>  | 12, 13         |
| No picture.  | <ul style="list-style-type: none"> <li>The TV is not set to receive DVD signal output.</li> </ul>   | <ul style="list-style-type: none"> <li>Select the appropriate video input mode on the TV so the picture from the DVD video player appears on the TV screen.</li> </ul>   | 16             |
|  | <ul style="list-style-type: none"> <li>The video cable is not connected securely.</li> </ul>  | <ul style="list-style-type: none"> <li>Connect the video cable securely into the appropriate jacks.</li> </ul>   | 12, 13         |
| No sound.  | <ul style="list-style-type: none"> <li>The equipment connected with the audio cable is not set to receive DVD signal output.</li> </ul>                         | <ul style="list-style-type: none"> <li>Select the correct input mode of the audio receiver so you can listen to the sound from the DVD video player.</li> </ul>          | 16             |
|  | <ul style="list-style-type: none"> <li>The audio cables are not connected securely.</li> </ul>  | <ul style="list-style-type: none"> <li>Connect the audio cable securely into the appropriate jacks.</li> </ul>   | 12, 13, 14, 15 |
|  | <ul style="list-style-type: none"> <li>The audio receiver or TV is turned off.</li> </ul>   | <ul style="list-style-type: none"> <li>Turn on the equipment connected with the audio cable.</li> </ul>  | –              |
|  | <ul style="list-style-type: none"> <li>The setting of output sound type is incorrect.</li> </ul>  | <ul style="list-style-type: none"> <li>Select the proper audio setting.</li> </ul>   | 29, 32, 38     |
| The playback picture has occasional distortion.                        | <ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>  | <ul style="list-style-type: none"> <li>Eject the disc and clean it.</li> </ul>   | 51             |
|  | <ul style="list-style-type: none"> <li>It is in fast forward or fast reverse playback.</li> </ul>   | <ul style="list-style-type: none"> <li>Sometimes a small amount of picture distortion may appear. This is not a malfunction.</li> </ul>                                  | –              |
| Brightness is unstable or noises are present in the playback pictures. | <ul style="list-style-type: none"> <li>The effect of copy protection.</li> </ul>  | <ul style="list-style-type: none"> <li>Connect the DVD video player directly to the TV. Avoid connecting the DVD video player to a VCR or TV/VCR combination.</li> </ul> | 12             |
| The DVD video player does not start playback.                          | <ul style="list-style-type: none"> <li>No disc is inserted.</li> </ul>  | <ul style="list-style-type: none"> <li>Insert a disc. (Check that the DVD indicator or VIDEO CD/audio CD indicator in the DVD display is lit.)</li> </ul>                | 9              |
|  | <ul style="list-style-type: none"> <li>An unplayable disc is inserted.</li> </ul>   | <ul style="list-style-type: none"> <li>Insert a playable disc. (Check the disc type and color system.)</li> </ul>  | 51             |
|  | <ul style="list-style-type: none"> <li>The disc is placed upside down.</li> </ul>   | <ul style="list-style-type: none"> <li>Place the disc with the playback side down.</li> </ul>  | 16             |
|  | <ul style="list-style-type: none"> <li>The disc is not placed within the guide.</li> </ul>  | <ul style="list-style-type: none"> <li>Place the disc correctly inside the guide on the disc tray.</li> </ul>  | 16             |
|  | <ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>  | <ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>  | 51             |
|  | <ul style="list-style-type: none"> <li>The parental lock function is set.</li> </ul>  | <ul style="list-style-type: none"> <li>Cancel the parental lock function or change the parental lock level.</li> </ul>   | 32, 44         |
| Buttons do not work.   | <ul style="list-style-type: none"> <li>Power supply fluctuations or other abnormalities such as static electricity may interrupt correct operations.</li> </ul> | <ul style="list-style-type: none"> <li>Turn the power on or off with the POWER button. Or disconnect the power plug and insert it into the wall outlet again.</li> </ul> | –              |
| The remote control does not work properly.                             | <ul style="list-style-type: none"> <li>The remote control is not pointed at the remote sensor of the DVD video player.</li> </ul>                               | <ul style="list-style-type: none"> <li>Point the remote control at the remote sensor of the DVD video player.</li> </ul>   | 11             |
|  | <ul style="list-style-type: none"> <li>The remote control is too far from the DVD video player.</li> </ul>  | <ul style="list-style-type: none"> <li>Operate the remote control within about 7 m.</li> </ul>   | 11             |
|  | <ul style="list-style-type: none"> <li>The batteries in the remote control are exhausted.</li> </ul>  | <ul style="list-style-type: none"> <li>Replace the batteries with new ones.</li> </ul>   | 11             |
|  | <ul style="list-style-type: none"> <li>The remote control selector is set to the wrong position.</li> </ul>   | <ul style="list-style-type: none"> <li>Set the remote control selector to the corresponding position for the equipment you want to operate.</li> </ul>                   | 48             |

# Specifications

## DVD Video Player / Outputs / Supplied Accessories

### [DVD Video Player]

|                       |  |
|-----------------------|--|
| Power supply          | 120 V AC, 60 Hz  |
| Power consumption     | 19 W   |
| Mass                  | 3.6 kg   |
| External dimensions   | 430 × 81 × 300 mm (W/H/D)  |
| Signal system         | Standard NTSC  |
| Laser                 | Semiconductor laser, wavelength 650 nm   |
| Frequency range       | DVD linear sound : 48 kHz sampling 4 Hz to 22 kHz<br>96 kHz sampling 4 Hz to 44 kHz<br>Audio CD : 4 Hz to 20 kHz |
| Signal-to-noise ratio | More than 112 dB   |
| Audio dynamic range   | More than 112 dB   |
| Harmonic distortion   | Less than 0.001 %  |
| Wow and flutter       | Below measurable level (less than ±0.001 % (W.PEAK))   |
| Operating conditions  | Temperature: 5 °C to 35 °C, Operation status: Horizontal   |

### [Outputs]

|                               |  |
|-------------------------------|--|
| Video output                  | 1.0 V (p-p), 75 Ω, negative sync., pin jack × 1                                      |
| S video output                | (Y) 1.0 V (p-p), 75 Ω, negative sync., Mini DIN 4-pin × 1<br>(C) 0.286 V (p-p), 75 Ω |
| Color different output        | (Y) 1.0 V (p-p), 75 Ω, negative sync., pin jack × 1<br>(Cb)/(Cr) 0.7 V (p-p), 75 Ω   |
| Audio output (OPTICAL)        | Optical connector × 1  |
| Audio output (COAXIAL)        | 0.5 V (p-p), 75 Ω, pin jack × 1  |
| Audio output (MIXED OUT)      | 2.0 V (rms), 220 Ω, pin jacks (L, R) × 1   |
| Audio output (5.1CH SURROUND) | 2.0 V (rms), 220 Ω, pin jacks × 6  |
| Headphone terminal            | 32 Ω (10 mW), impedance; more than 8 Ω   |

### [Supplied Accessories]

|                                 |   |
|---------------------------------|---|
| S video cable .....             | 1 |
| Audio/video cable .....         | 1 |
| Remote control (SE-R0002) ..... | 1 |
| Batteries (AA) .....            | 2 |

- Designs and specifications are subject to change without notice.

# LIMITED WARRANTY DVD VIDEO PLAYER

Toshiba America Consumer Products, Inc. ("TACP"), Toshiba Hawaii ("THI") and Toshiba Canada Limited ("TCL") make the following limited warranties. These limited warranties extend to original purchaser or any person receiving this set as a gift from the original purchaser and to no other purchaser or transferee.

## Limited Ninety (90) Day Warranty

TACP/THI warrant this product against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. During this period, TACP/THI will repair a defective product or part without charge to you. You must deliver the entire product to a TACP/THI Authorized Service Station. You are responsible for all transportation and insurance charges for the unit to and from the Authorized Service Station. If you live in the U.S.A. you may, at your option, return your DVD Unit to:

Toshiba America Consumer Products Inc.  
Returns Center  
1420C Toshiba Dr.  
Lebanon, TN 37087

Upon receipt we will, at our option, exchange the DVD Unit with a new or refurbished unit. **Canadian consumers are requested to contact TCL. In Hawaii consumers are requested to contact THI.**

## Limited One (1) Year Warranty

TACP/THI further warrant the parts in this product against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. During this period, TACP/THI will replace a defective part without charge to you, except that if a defective part is replaced after ninety (90) days from the date of the original retail purchase you pay labor charges involved in the replacement. You must also deliver the entire product to a TACP/THI Authorized Service Station. You are responsible for all transportation and insurance charges for the unit to and from the Authorized Service Station. If you live in the U.S.A. you may, at your option, return your DVD Unit to:

Toshiba America Consumer Products Inc.  
Returns Center  
1420C Toshiba Dr.  
Lebanon, TN 37087

Upon receipt we will, at our option, exchange the DVD Unit with a new or refurbished unit. **Canadian Consumers are requested to contact TCL. In Hawaii consumers are requested to contact THI.**

## Rental Units

The warranty for rental units begin with the first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

## How to Obtain Warranty Service

- (1) Refer to the troubleshooting guide in your owner's manual. This check list may solve your problem.
- (2) In the U.S.A., only call the TACP toll free number 800-631-3811, or if in Hawaii or Canada see listing below within (30) days after you find a defective product or part.
- (3) Arrange for the delivery of the product to the TACP/THI/TCL Authorized Service Station or TACP Return Center. Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed.

### In the Continental United States contact:



### In Hawaii contact:

Toshiba Hawaii Inc.  
327 Kamakee Street  
Honolulu, HA 96814  
(808)-521-5377

### In Canada contact:

Consumer Electronics Group  
191 McNabb Street  
Markham, Ontario L3R 8H2  
(905)-470-5400

Consumer Electronics Group  
22171 Fraserwood Way  
Richmond, B.C. V6W 1J5  
(604)-303-2500

Consumer Electronics Group  
1643 North Service Road  
Droval, QC H9P 1J1  
(514)-856-4100

All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are expressly limited to the duration of the limited warranties set forth above. With the exception of any warranties implied by state law as hereby limited, the foregoing warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturer or seller with respect to the repair or replacement of any parts. In no event shall TACP/THI be liable for consequential or incidental damages.

No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of these warranties in any manner whatsoever. The time within which an action must be commenced to enforce any obligation of TACP/THI arising under the warranty or under any statute, or law of the United States or any state thereof, is hereby limited to ninety (90) days from the date you discover or should have discovered, the defect. This limitation does not apply to implied warranties arising under state law.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state. Some states do not allow limitation on how long an implied warranty lasts, when an action may be brought, or the exclusion or limitation of incidental or consequential damages, so the above provisions may not apply to you.

### ATTENTION CANADIAN CONSUMERS:

Canadian consumers are requested to complete the special Canadian "Warranty Registration Form" enclosed, and forward this completed form with a copy of bill of sale to TOSHIBA OF CANADA to "Register and Validate" their warranty. Product must be purchased from an Authorized Canadian Dealer. Products purchased in the U.S.A. and used in Canada are not covered by these warranties.

### IMPORTANT: PACKING AND SHIPPING INSTRUCTION

When you send the product to a Service Station, you must use the original carton box and packing material, then insert the original carton box containing the unit into another carton using more packing material.

## Commercial Units

Products sold and used for commercial use have a limited ninety (90) day warranty for all parts and labor.

## Owner's Manual

You should read the owner's manual thoroughly before operating this product. You should complete and mail the enclosed Demographic card within ten (10) days after you, or the person who has given you this product as a gift, purchased this product. This is one way to enable TACP to provide you with better customer service and improved products. Failure to return the card will not affect your rights under this warranty.

## Your Responsibility

The above warranties are subject to the following conditions:

- (1) You must retain your bill of sale or provide other proof of purchase.
- (2) You must notify a TACP/THI/TCL /Authorized Service Station within thirty (30) days after you discover a defective product or part.
- (3) All warranty servicing of this product must be made by a TACP/THI/TCL Authorized Service Station.
- (4) U.S.A. warranties are effective only if the product is purchased and operated in the U.S.A. or Puerto Rico.
- (5) Labor service charges for set installation. Set up, adjustment of customer controls and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems are your responsibility.
- (6) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any product or parts which have been lost or discarded by you or to damage to products or parts caused by misuse, accident, damage caused by Acts of God, such as lightning or fluctuations in electric power, improper installation, improper maintenance or use in violation of instructions furnished by us; or to units which have been altered or modified without authorization of TACP/THI/TCL or to damage to products or part thereof which have had the serial number removed, altered, defaced or rendered illegible.
- (7) Should you elect to return your DVD Unit to TACP after the ninety (90) days and within one (1) year, or after the warranty period has expired: Call (800)-631-3811 to receive information concerning an exchange price. Payment must be enclosed with product in the form of a certified check or money order including reason for return.
- (8) Physically damaged DVD Units are not acceptable for repair or exchange whether in or out of warranty and will be returned as received.

# TOSHIBA

Printed in Japan