TOSHIBA

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PORTABLE DVD PLAYER

SD-P2000

OWNER'S MANUAL

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Ⓢ GX1C00007110

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SAFETY PRECAUTIONS

CAUTION: This equipment 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 or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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

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

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

WARNING: Only peripherals complying with the FCC class B limits may be attached to this equipment.
Operation with non-compliant peripherals or peripherals not recommended by Toshiba is likely to result in interference to radio and TV reception.
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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

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

Model No. _____ Serial No. _____

Retain this information for future reference.

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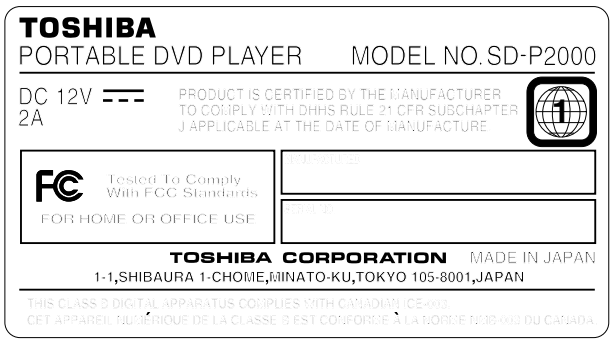
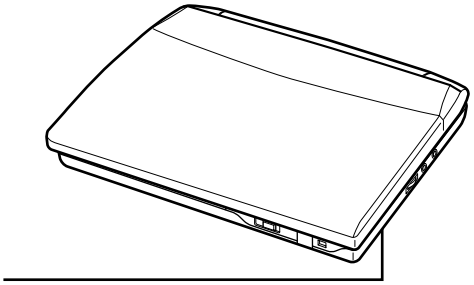
Location of the required label





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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.

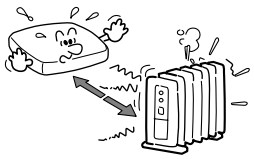
DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

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

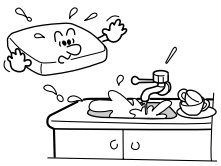
2. Power Sources
   This product should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer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

3. 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.

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



5. 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.



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

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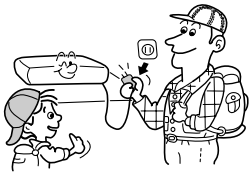
7. Power-Cord Protection
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

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

9. Lightning
For added protection for this product during an electrical 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.

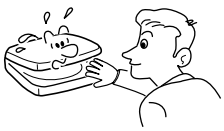


10. Object and Liquid Entry
Never insert objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

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

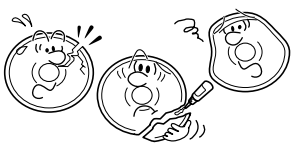
12. Accessories
Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the 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.

13. Lid
Be careful not to catch your fingers in the disc holder when closing the lid. It may cause personal injury.



14. 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.

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



16. Disc Spin
Do not touch a spinning disc. When you open the disc holder, the disc may have not stopped spinning. Touching a spinning disc may cause personal injury or damage to the product.

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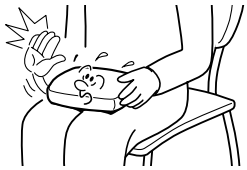
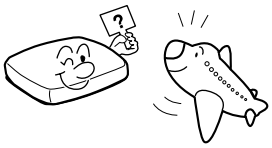
IMPORTANT SAFETY INSTRUCTIONS

17. Heating up
Do not rest the product on your lap or other parts of body, as it may become heated. Even low temperature may cause inflaming or blistering, if touched for a prolonged period.

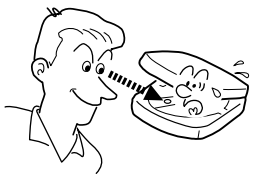


18. Supplied AC Adapter
Use the supplied AC adapter to operate the product. Substitute devices not specified by the manufacturer may result in fire or product malfunction. Do not cover the AC adapter with a blanket or place it near heating or on electric carpet when it is in use.

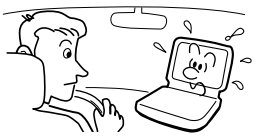
19. Airline Passengers
When you use this product in an airplane, follow the instructions of the airline. Disregarding them may cause harmful interference to radio communication.



20. Pick-up Lens and Laser Beam
Do not look close the pick-up lens or stare into laser beam. Doing so may cause damage to eyesight.



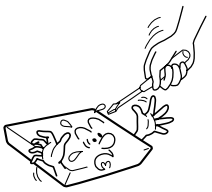
21. Traffic
Do not use this product while walking or driving. Neglecting this may cause a traffic accident.



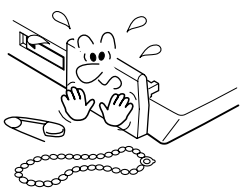
22. LCD
Should the LCD panel be broken and liquid leaks out, do not inhale or swallow it. Doing so may cause poisoning.
If you have got it into your mouth, wash it out and consult your doctor. If your hands or clothes have touched it, wipe them with alcohol and a cleaning cloth and then wash them well.

23. Battery Pack
a) Never throw the battery pack into a fire, as that could cause the battery pack to explode. Never heat the battery pack, as that could cause leakage of alkaline solution or other electrolytic substance.

b) Never disassemble the battery pack, as that could cause leakage of alkaline solution or other electrolytic substance.

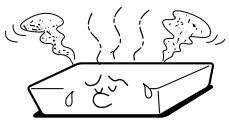


c) Never short-circuit the battery pack by either accidentally or intentionally bringing the terminals in contact with another metal object. This could cause personal injury or a fire, and could also damage the battery pack.

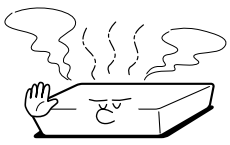


d) Never drive a nail into the battery pack.
Never strike the battery pack with a hammer.
Never step or tread on the battery pack.

e) If you ever detect the emission of an extraordinary odor, excessive heat, discoloration, or deformation of the battery pack, remove it from the player or the battery charger immediately, and discontinue use of the battery pack.



f) If you ever detect rust, the emission of an extraordinary odor, excessive heat or anything unusual of the battery pack, do not use it. Take it to an authorized Toshiba service provider.



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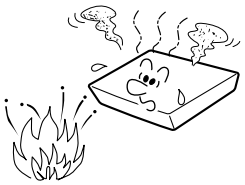
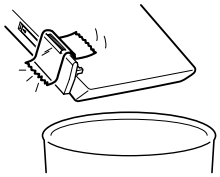
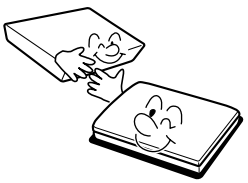
g) Keep the battery pack away from heat or fire, if you detect the emission of an extraordinary odor or leakage of alkaline solution or other electrolytic substance.



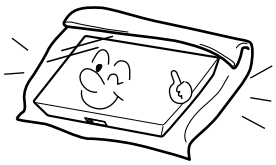
h) Never dispose of used battery packs with other ordinary solid wastes, since they contain toxic substances. Always dispose of used battery packs in accordance with community regulations that apply to the disposal of batteries. Cover the metal terminals with insulating tape, in order to prevent accidental short-circuiting.



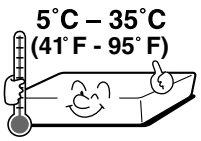
i) Always confirm that the battery pack is compatible with your player, before attaching the battery pack to the player.



j) Never expose the terminals of the battery pack to any other metal object. Wrap the battery or place it in a protective plastic bag, whenever transporting it.

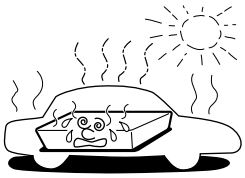


k) Always confirm that the temperature is between 5 and 35˚C before you charge the battery. Leakage, excessive heat, or deterioration of the battery pack may occur if this warning is not heeded.



l) Never immerse the battery pack in any liquid.

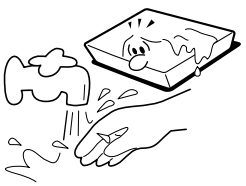
m) Never expose the battery pack to direct sunlight. Never store or use the battery pack in a locked and unventilated vehicle. (where excessive internal temperatures may be encountered.)



n) Always keep the battery pack out of reach of infants or small children.

o) Never shock the battery pack by dropping or throwing it.

p) If the liquid contained within the battery pack leaks, use a large amount of water and immediately wash off any liquid which may accidentally contact any part of the body. Remove any liquid that has contacted your clothing by washing it immediately with a detergent.



q) Always confirm that a “click” sound has resulted, when attaching the battery pack to the player. This sound confirms that the battery pack has been properly attached.

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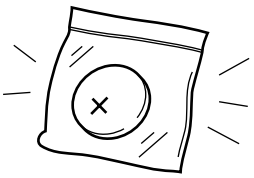
IMPORTANT SAFETY INSTRUCTIONS

24. Coin-shaped Battery

a) Keep coin-shaped batteries out of children's reach. Be careful not to ingest internally, especially by children, as doing so may cause poisoning.
b) Do not load a battery into the remote control with the wrong side out.
c) Do not charge, heat, open, or short-circuit the batteries. Do not throw the batteries into a fire.
d) Do not leave a dead or exhausted battery in the remote control.
e) If you do not use the remote control for a long period of time, remove the battery to avoid possible damage from battery corrosion.

25. Keeping of Coin-shaped Batteries



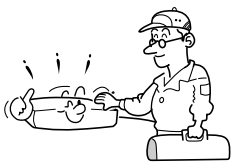
After unpacking coin-shaped batteries, store them in poly bags, etc. separately one by one when unused. If you leave them unwrapped, they may be short-circuited by contact with metal objects, resulting in battery leakage, heat or bursting. This may cause burns or injury.
The batteries must be completely discharged when they are deposited in collection containers for old batteries. If a charge remains, countermeasures to prevent short circuits must be taken.

26. Damage Requiring Service
Unplug this product from the wall outlet and refer 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.

27. 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.

28. 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 substitution may result in fire, electric shock, or other hazards.

29. 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.



30. Warning
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

31. Following mark means "CAUTION - RISK OF FIRE - DO NOT OPEN".

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Precautions

Notes on handling

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

Notes on locating

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

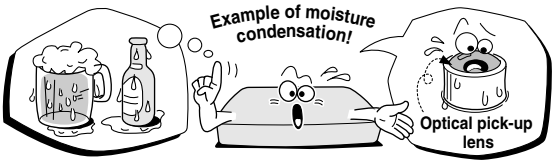
To obtain a clear picture

The 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

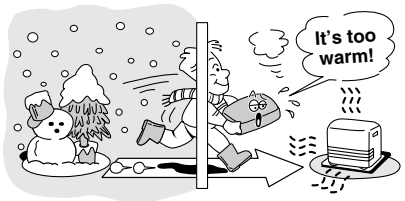
Moisture condensation damages the player. Please read the following carefully.

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 player.



■ Moisture condensation occurs during the following cases.

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



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

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

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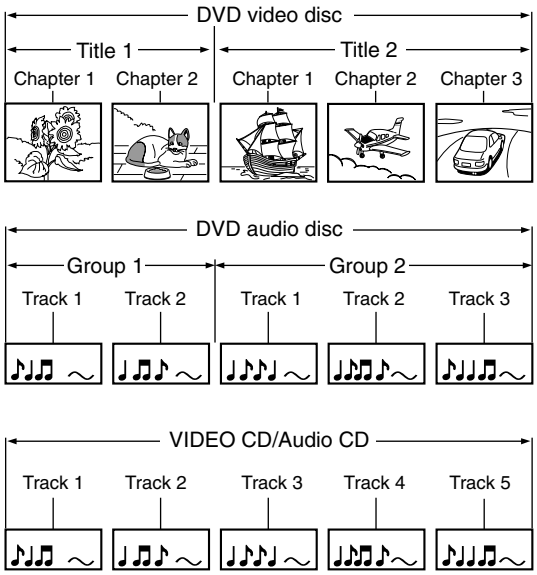
Notes and Information

Structure of disc contents

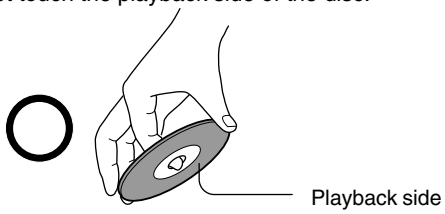
Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. DVD audio discs are divided into groups, and the groups are sub-divided into tracks. VIDEO CDs/audio CDs are divided into tracks.



Each title, chapter, group, or track is assigned a number, which is called “title number”, “chapter number”, “group number” or “track number” respectively.
There may be discs that do not have these numbers.

On handling discs

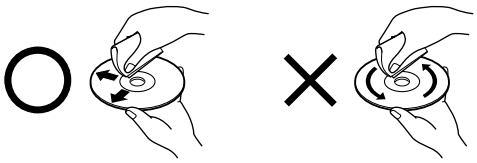
- Do not touch the playback side of the disc.



- Do not attach paper or tape to discs.

On cleaning discs

- Fingerprints and dust on the disc may 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, benzine, 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.

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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.

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Notes and Information (continued)

About this owner's manual

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

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

Notes on region numbers

The region number of this player is 1. Region numbers, corresponding to specific geographical playback area, are printed on your DVD video disc. If you do not find 🌐 or 🌐 , disc playback will not be allowed by the player. (In this case, the player will display a message on-screen.)

On VIDEO CDs

This player supports VIDEO CDs equipped with the PBC (Version 2.0) function. (PBC is an abbreviation for 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 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 screen (Menu Playback). Some functions described in this owner's manual may not work with all discs.

Playable discs

This player can play the following discs.

	Disc Mark	Contents	Disc Size
DVD video discs	DVD VIDEO	Video (moving pictures) + Audio	12 cm
	DVD VIDEO		8 cm
DVD audio discs	DVD AUDIO	Audio + Video	12 cm
			8 cm
VIDEO CDs	COMPACT disc DIGITAL VIDEO	Video (moving pictures) + Audio	12 cm
			8 cm
Audio CDs	COMPACT disc DIGITAL AUDIO	Audio	12 cm
			8 cm (CD single)

The following discs are also available.
● DVD-R discs of DVD video format
● CD-R/CD-RW discs of CD-DA or VIDEO CD format
Some of these discs may be incompatible.

- You cannot play discs other than those listed above.
- You cannot play discs of DVD-RAM or non-standardized discs, etc., even if they may be labeled as above.
- This player uses the NTSC color system.

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Exemptions

- Toshiba Corporation is not liable for any damage caused by fire, earthquake, use by a third person, accidents, owner's intentional or unintentional misuse, or uses in other improper conditions.
- Toshiba Corporation is not liable for incidental damages (such as profit loss or interruption in business, etc.) caused by use or misuse of this player.
- Toshiba Corporation is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Toshiba Corporation is not liable for any damage caused by misuse or malfunction through joint use of this player and connected equipment or software.

On disposal

This product contains mercury. Disposal of this material may be regulated due to environmental considerations. For disposal or recycling information, please contact your local government or the Consumer Electronics Association.

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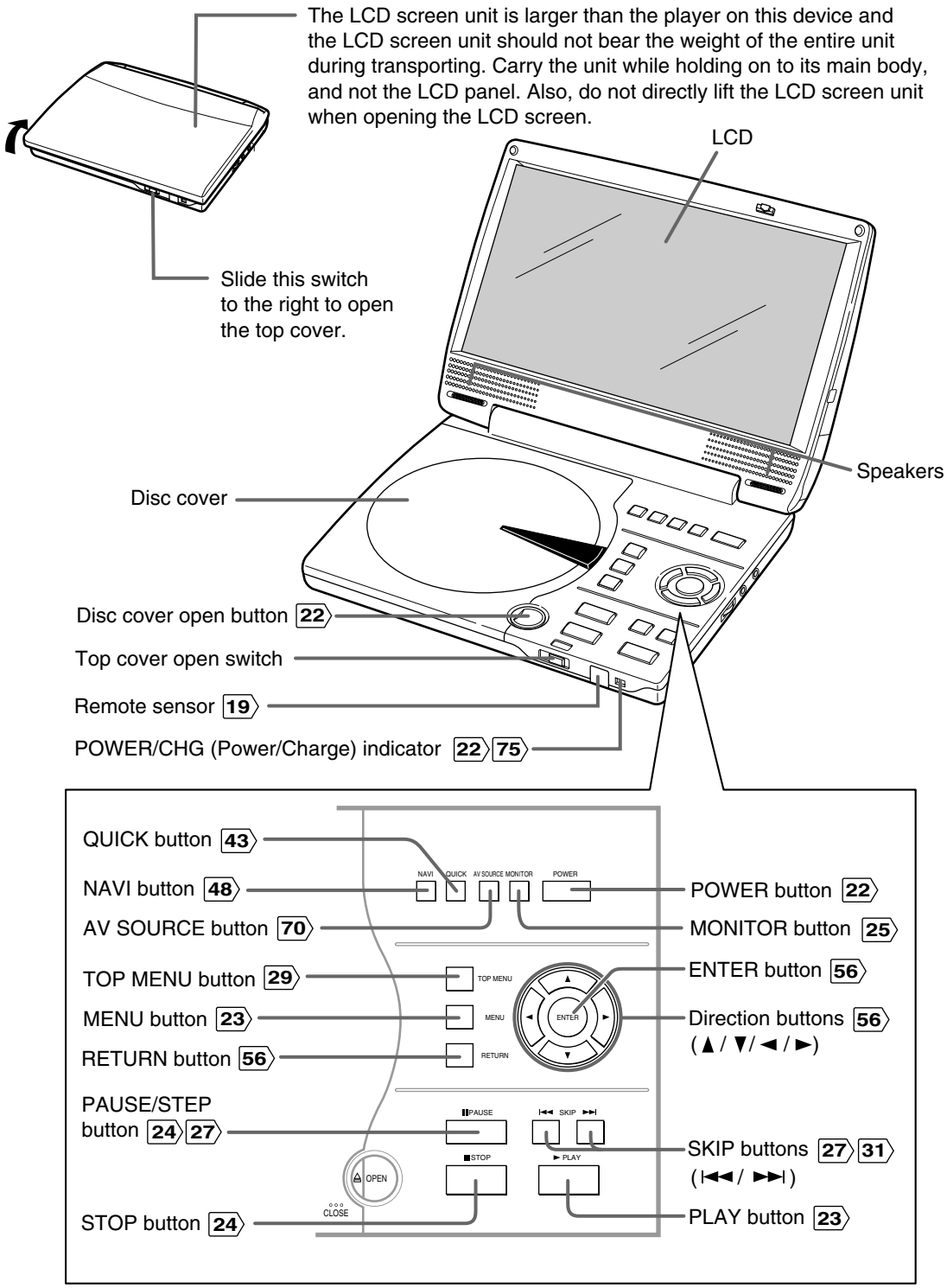
Identification of Controls

See the page ▭ in for details.

Main unit



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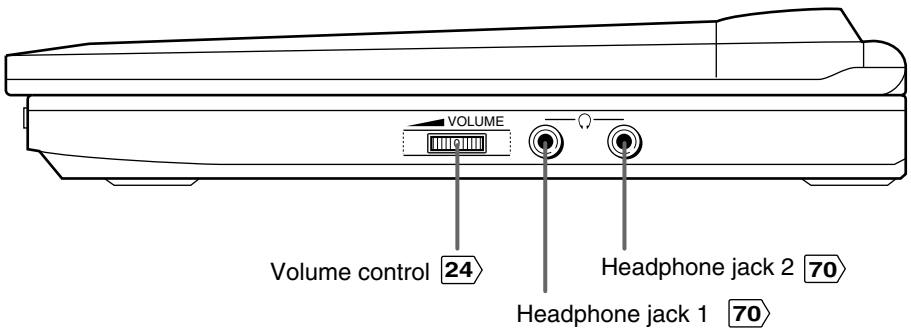
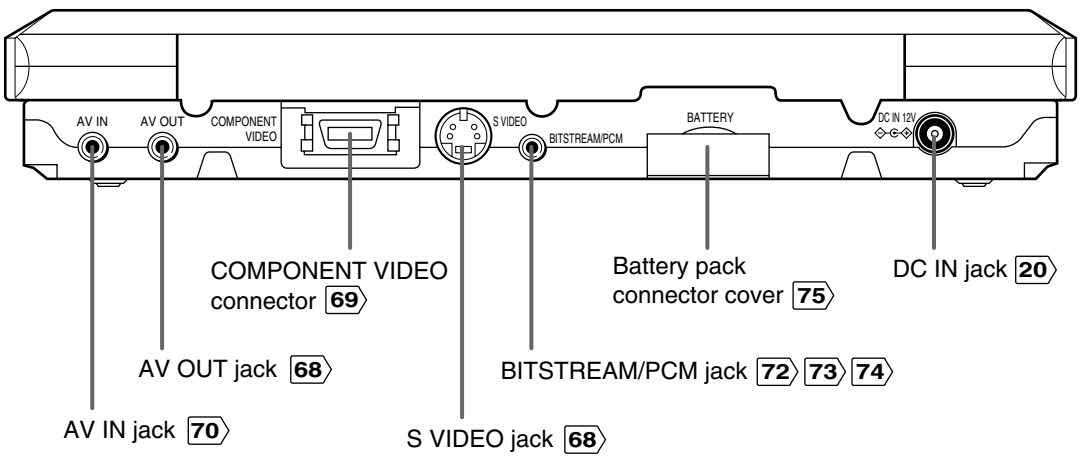
Side view



Rear Side



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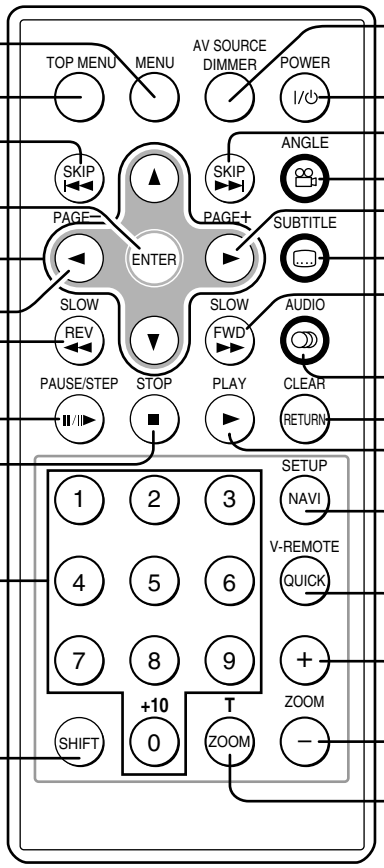
Identification of Controls (continued)

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

Remote control



MENU button (see below)
TOP MENU button 29
SKIP button 27 31
ENTER button 56
Direction buttons 56 (▲/ ▼/ ◄/ ►)
PAGE – button* 26
REV button 27 / SLOW button* 28
PAUSE/STEP button 24 27
STOP button 24
Number buttons 30 / +10* 30
SHIFT button

DIMMER button 24 / AV SOURCE button* 70
POWER button 22
SKIP button 27 31
ANGLE button 36
PAGE+ button* 26
SUBTITLE button 37
FWD button 27 / SLOW button* 28
AUDIO button 38
RETURN button 56 / CLEAR button* 36
PLAY button 23
NAVI button 48 / SETUP button* 56
QUICK button 43 / V-REMOTE button* 42
ZOOM buttons 35
ZOOM button 35 / T button* 30

" * " buttons
Operate these buttons while simultaneously pressing the SHIFT button.

MENU button
Use the MENU button to display the menu included on many DVD video discs. To operate a menu, follow the instructions in "Locating a title using the top menu." 29

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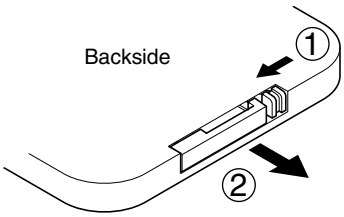
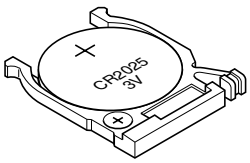
Loading a battery

1 While pushing the holder in direction ①, simultaneously slide it out in direction ②.

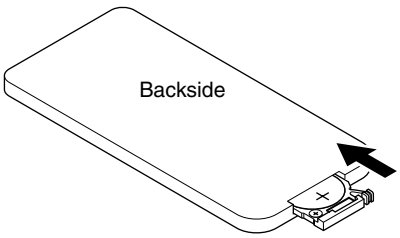


2 Place a coin-shaped battery (CR2025) with the ⊕ side up on the holder.



Keep the holder horizontal so that the battery does not fall through.

3 Push the holder back into its receptacle.

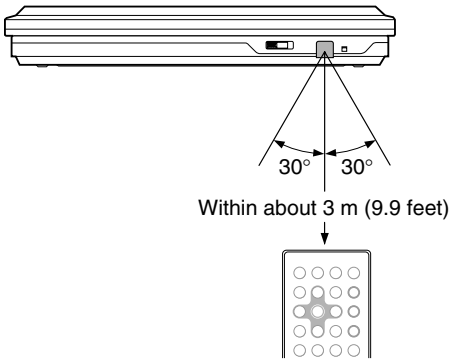


Notes on coin-shaped batteries

- If the remote control does not function correctly or if the operating range becomes reduced, replace the battery with new one.
- See 〈8〉 for safety use of coin-shaped batteries.

Operating with the remote control

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



Distance: About 3 m (9.9 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 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 player via the remote control.

Notes on the remote control

- Direct the remote control at the remote sensor of the 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.

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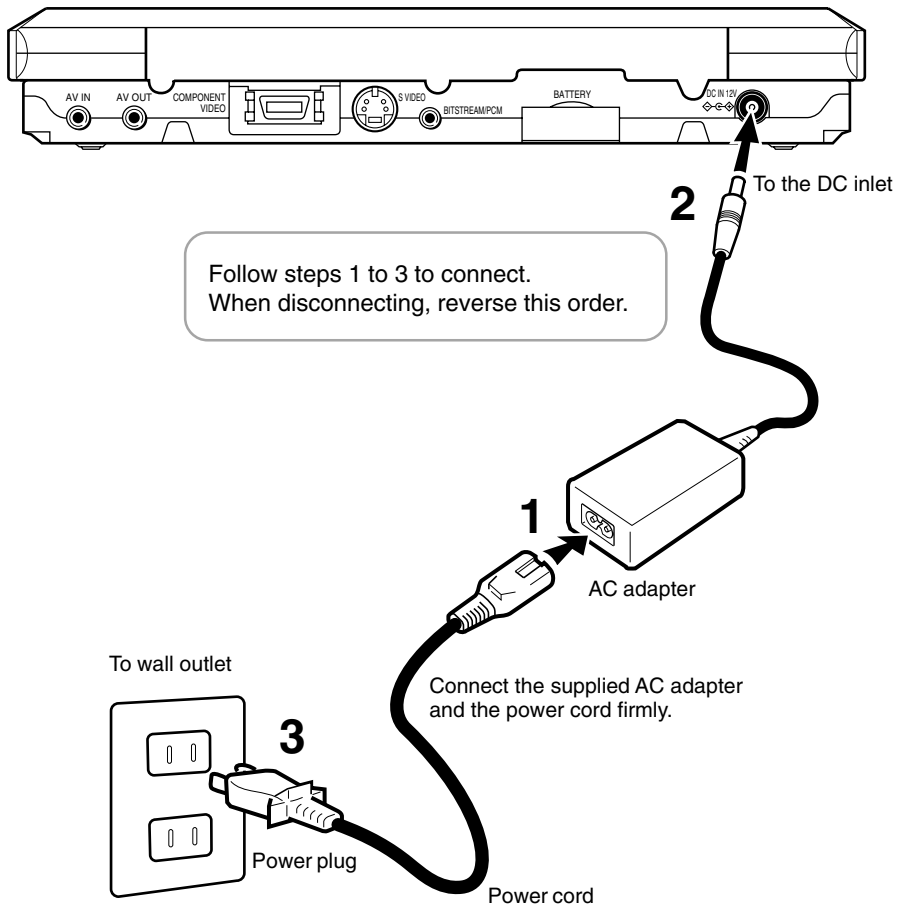
Power Connection

Connect the supplied AC adapter to power the player.
For outdoor use, the battery pack (supplied) is also available.
When using the battery pack, follow the instructions on page 75.

Caution

- Do not connect the power plug to a power outlet other than that indicated on the label, as this can result in a risk of fire or electric shock.
- Do not connect or disconnect the power plug with wet hands. Doing so may cause electric shock.
- Do not use an AC adapter other than one specified, as it can cause a fire or damage to the player.
- When the AC adapter is in use, its temperature may increase. However, it is not a malfunction. Make sure that the power cord is disconnected and the temperature decreases before carrying it.



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Basic playback

Begin your operation.

- **Playing a Disc**
- **Variable Speed Playback**
- **Locating a Specific Title, Chapter, or Track**
- **Playing an MP3 Encoded CD**

About this manual

- The numbers indicated by lines on the illustrations correspond to the associated steps of the operation.
- Aside from the section “Playing a Disc”, explanations of operations only include illustrations of the corresponding buttons on the remote control. The buttons sharing the same name on the main unit can also be used in the identical manner.

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Playing a Disc

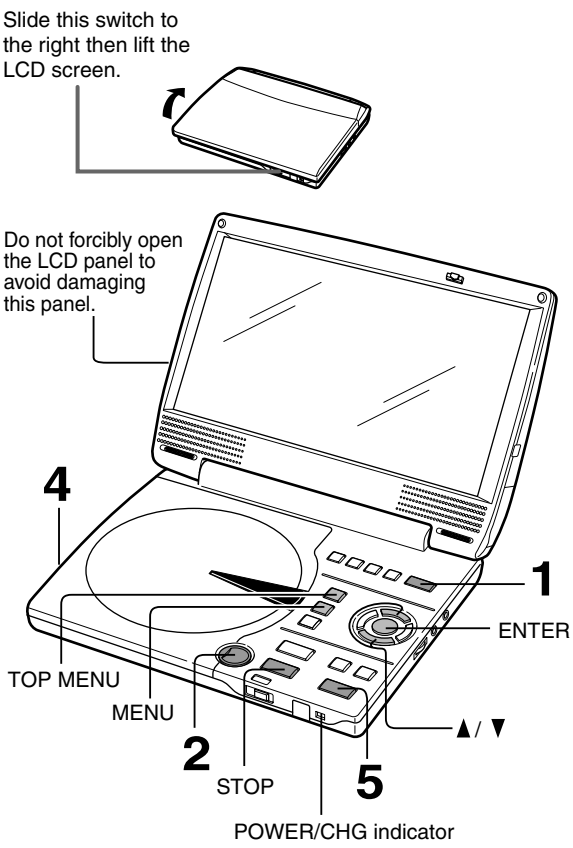
This section shows you the basics on how to play a disc.

〉 indicates a reference page of this manual.
See the page in 〉 for details.

CAUTION
- Keep your fingers clear of the disc as it is spinning. Neglecting to may cause serious personal injury.
- Be careful not to catch your fingers in the disc holder.
- Do not use a cracked, deformed, or repaired disc.
- Do not tilt, shake or move the main unit while playing. It may damage the disc

DVD-V DVD-A VCD CD Basic playback

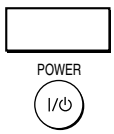
Preparations
- Connect the AC adapter 20〉 or the battery pack 75〉 to the player.
- When you want to view a disc on a connected TV or monitor, turn on the equipment and select the video input connected to the player.
- When you want to enjoy the sound of discs from an audio system, turn the audio system on and select the input connected to the player.
- If you use the supplied remote control, make sure that batteries are loaded in it. 19〉
- If you use the headphones, see “Connecting to Headphones”. 70〉
- Slide the top cover open button to the right to open the top cover.



1 Turn on the power.

POWER

Press POWER.



The player turns on and the POWER/CHG indicator on the player illuminates in green.

When the player is turned on for the first time, an on-screen display will appear to provide initial setup. Move the cursor control (▲ / ▼) to select an item, and press the ENTER button. See the pages in 〉, and make a selection moving the cursor control (▲ / ▼), then press the ENTER button.

On-Screen Language 60〉
TV Shape 58〉

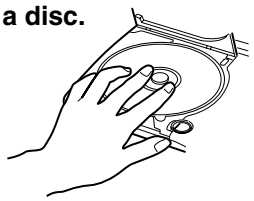
After making all the settings, select “OK” and press the ENTER button.

2 Open the disc cover.

Press OPEN on the main unit.
The disc cover opens.

The cover is designed to stop at 2 positions. Do not force the cover open further, as it may cause damage to the player.

3 Set a disc.



Place a disc with the playback side down, and push gently on the center of the disc to affix it to the spindle.

4 Close the disc cover.

Press CLOSE on the right corner.

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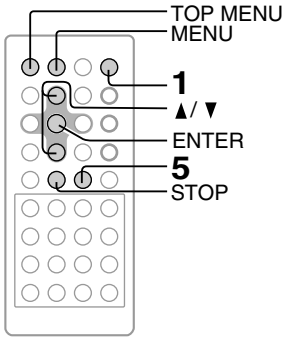


■ To obtain a higher quality picture

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 player, you should generally reduce the sharpness adjustment on your TV when viewing DVD video discs.

■ About DVD-V DVD-A VCD CD

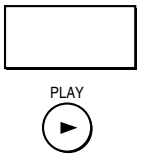
The DVD-V DVD-A VCD CD icons on the heading bar show the playable discs relevant to the function described under each heading.

DVD-V : DVD video discs.
DVD-A : DVD audio discs.
VCD : VIDEO CDs.
CD : Audio CD.

5 Start playback.

► PLAY

Press PLAY.



DVD-V If you select a DVD video disc that contains a top menu, or select a PBC (Playback Control)-featured VIDEO CD (12), a menu may appear. See “Locating a title using the top menu”. 29

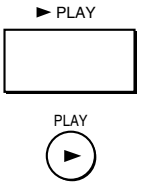
- You may need to press the TOP MENU or MENU button to display disc menu (depending on the actual DVD video disc.)

DVD-A A menu may appear depending on the disc. See “Locating a title using the top menu” 29.

■ To start playback in the stop mode.

Press **PLAY**.

► PLAY



Notes

- Do not put an unplayable disc or any objects other than discs in the disc holder.
- 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 once the movie is completed.

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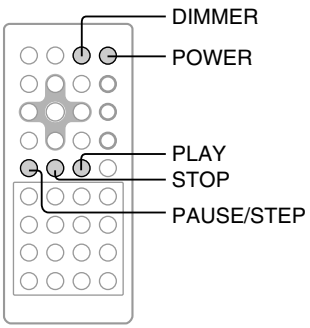
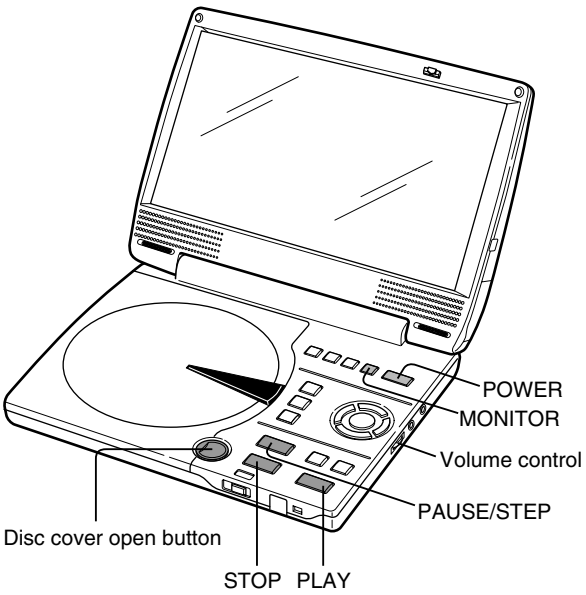
Playing a Disc (continued)



Basic playback (continued)



■ To change LCD brightness

Press **DIMMER** on the remote control.

4 pre-selected brightness levels are provided.

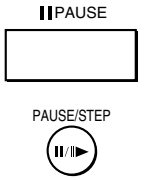
Note
Only 2 brightness levels are available when using the battery pack.

■ To adjust the volume of the speakers or the connected headphones

Turn volume control.

■ To pause playback (still mode)

Press **PAUSE/STEP** during playback.

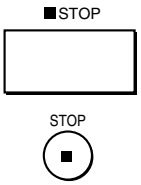


To resume normal playback, press **PLAY**.

• Sound is muted during still mode.

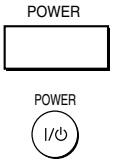
■ To stop playback

Press **STOP**.



■ To turn off the power

Press **POWER**.



■ To remove the disc

Press the disc cover open button on the main unit to open the disc cover.

Remove the disc from under the rim while gently pressing down on its center.
Close the disc cover after removing the disc.

CAUTION
Do not touch the spindle immediately after prolonged play, as it may have become hot.
Be careful in loading/removing a disc.

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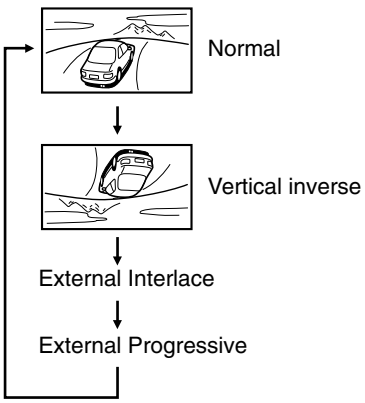
■ LCD Screen/External Screen Selection

Press the player **MONITOR** button.

MONITOR

Each time the button is pressed, the LCD screen will alternate as below.



External Interlace: When connected to an Interlaced TV or monitor.

External Progressive: When connected to a Progressively scanned TV or monitor.

Notes

- After selecting the External Screen, images will be displayed on the LCD monitor for 3 seconds before switched to the External Screen mode.
- Normal images will not appear if the output signal is set to Progressive and connected to an Interlace compatible TV. Select the proper output signal settings via the LCD screen of this device.

■ About the screen saver

If you pause a picture of a DVD video disc and leave it still for a long while, the screen saver of the player automatically appears (when “Screen Saver” is set to “On” 62). To turn off the screen saver, press the **PLAY** button on the main unit or remote control.

■ Automatic Power Off function

If the player is stopped, or the screen saver is engaged for approximately 20 minutes, the player will automatically turn itself off.

■ About the LCD

- The color LCD is manufactured using extremely high precision technology, but even so may include certain pixels that do not operate properly (that do not light, that remain lit constantly, etc.). We do our best to keep the number of these defective pixels to a minimum, but please understand that they cannot be completely eliminated even with the most advanced manufacturing technologies available today.
- The fluorescent tube which illuminates the panel from the inside will deteriorate with use. (The standard life length is about 10,000 hours of continuous use at normal temperature.) When the LCD becomes dim, flickers, or does not illuminate, contact your dealer for replacement.
- The brightness of the LCD monitor differs slightly depending on the viewing angles. Adjust the angle to obtain the best viewing. (The recommended angle is 90 degrees to the monitor.)

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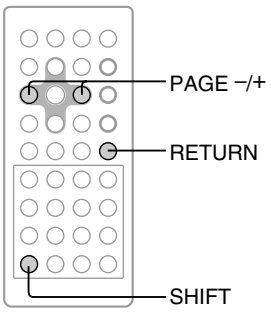
Playing a Disc (continued)



Basic playback (continued)

■ Still pictures included on DVD audio discs

DVD audio discs may include still pictures, which are classified into two large groups.

- Slideshow: Still pictures appear one after another automatically consistent with the disc program. Their order, or viewing time cannot be modified.

- Browsable pictures:
  You can display your favorite still picture selected via the remote control. Some of those may change automatically.

: Press **PAGE** while pressing **SHIFT** to select a picture. (The order of pictures vary depending on the disc)

: To return to a specific picture programmed on the disc.

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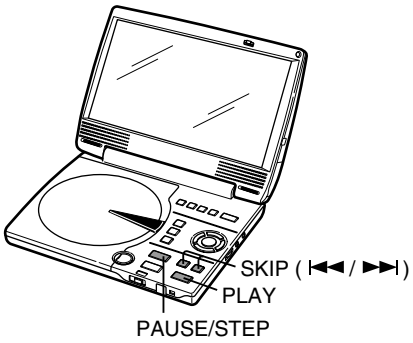
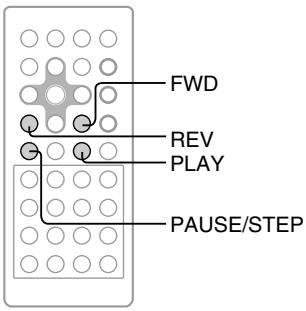
Variable Speed Playback

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





DVD-V DVD-A VCD CD Playing in fast reverse or fast forward directions

Press REV or FWD on the remote control during playback.

SLOW REV ◄◄

REV: Fast reverse playback
FWD: Fast forward playback

SLOW FWD ►►

Each time you press the REV or FWD button, the playback speed changes.

Press and hold SKIP (⏮ / ⏭) on the main unit during playback.

⏮ SKIP ⏭

Fast forward playback

Fast reverse playback

During the fast forward or fast reverse playback, you can vary the speed by pressing the button repeatedly.

■ To resume normal playback

Press **PLAY**.

PLAY ►

Notes

- The player mutes sound and omits subtitles during reverse and forward scan of DVD video discs.
- DVD audio discs may not be played in fast reverse or fast forward directions.
- The playback speed may differ depending on the disc.

DVD-V VCD Playing frame by frame

Press PAUSE/STEP during still playback.

PAUSE/STEP ⏸/►

Each time you press the PAUSE/STEP button, the picture advances one frame.

■ To resume normal playback

Press **PLAY**.

PLAY ►

Notes

- The sound is muted during frame by frame playback.
- When using a DVD audio disc that includes pictures, this operation may be permitted in some picture segments.

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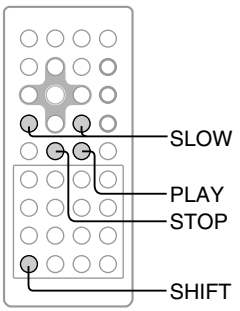
Variable Speed Playback (continued)



Playing in slow-motion

DVD-V VCD DVD-A CD

Press SLOW while pressing SHIFT during playback.

SHIFT + SLOW REV ◄◄ / SHIFT + SLOW FWD ►►

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

If you press the SLOW ◄◄ button 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**.

PLAY ►

Notes

- The sound is muted during slow-motion playback.
- The playback speed may differ depending on the disc.
- When using a DVD audio disc that includes pictures, this operation may be permitted in some picture segments.

Resuming playback from the same location

DVD-V VCD DVD-A CD

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

STOP ■

The player memorizes the location where playback is stopped.

2 Press PLAY.

PLAY ►

The 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.

STOP ■

The player's memory is cleared.

2 Press **PLAY**.

PLAY ►

- DVD-V Playback starts from the beginning of the current title.
- DVD-A Playback starts from the beginning of the current group.
- VCD CD Playback starts from the beginning of the disc.

• If you want to return to the beginning of a DVD video/ audio disc, turn the power off and on by pressing the POWER button, and then start playback.

Notes

- Playback will continue even if the cover is opened after an interruption unless the disc is exchanged. When the disc is exchanged, continuation of playback is cancelled.
- The player's memory is also cleared when:
  – you change the parental lock setting 〈62〉 or select a disc menu language 〈60〉.
  – you use a PBC-featured VIDEO CD while "PBC" is set to "On" 〈64〉.
- There may be a difference in the location where playback resumes depending on the disc. Especially when using a DVD audio disc, playback may resume from the beginning of the current track.
- Settings you changed using the on-screen displays while the player stores a location in its memory may function only after the memory is cleared.

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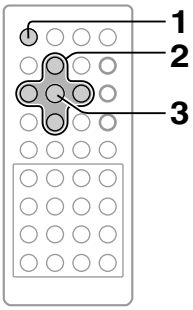
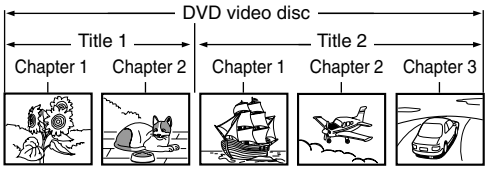
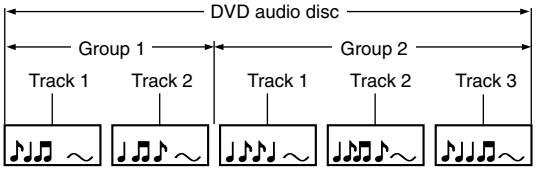
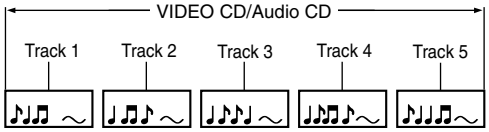
Locating a Specific Title, Chapter, or Track



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





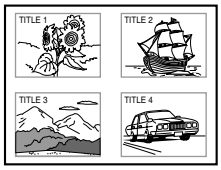


DVD-V DVD-A VCD CD Locating a title using the top menu

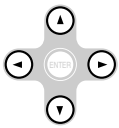
1 Press TOP MENU.

The top menu appears.

e.g.



2 Press ▲ / ▼ / ◄ / ► to select the title you want.



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

3 Press ENTER.

Playback starts 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 screen, follow those instructions.
- If you display the top menu during playback and press the TOP MENU button again without selecting any title, the player may resume playback from the point where you first pressed the TOP MENU button (depending on the actual DVD video disc.)
  When using a DVD audio disc, the player resumes playback from the beginning of the track where you pressed the TOP MENU button.
- This method of locating a title is available only on a disc that contains a top menu.
- Instruction notes of discs may refer to the button that displays the top menu as TITLE button.

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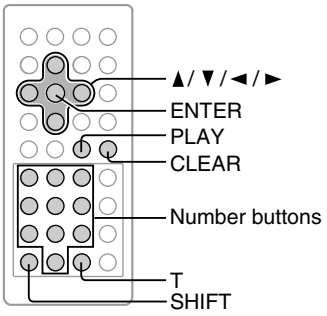
Locating a Specific Title, Chapter, or Track (continued)



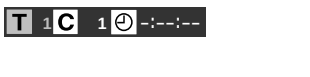
DVD-V DVD-A VCD CD Locating a desired section by entering its corresponding number

1 Press T while pressing SHIFT.

If you are using a VIDEO CD/audio CD, skip steps 1 and 2. Then at step 3, enter the number for the track you want using the number buttons.

SHIFT + T (ZOOM)

e.g. DVD-V



2 Press ◄/► to select a section you want to locate.

e.g. When you want to locate a chapter.

3 Press ▲/▼ to enter a number of the section.

Also the number buttons are available.

e.g. To enter 25

2 → 5

or SHIFT + 0 (+10) → SHIFT + 0 (+10) → 5

4 Repeat steps 2 and 3 if necessary.

5 Press PLAY or ENTER.

PLAY

Playback starts from the selected section.

Notes

- Pressing the CLEAR button resets the numbers. To clear the display, press the T button while pressing SHIFT button several times.
- This method of locating a title/group is available only on a disc that contains title/group numbers.

■ Playing bonus groups of DVD audio discs

Some DVD audio discs may include an extra content called “Bonus group”.

If you select it to play, a display appears to enter a key number. Press the **number buttons** to enter the key number, then press **ENTER**.

When the number is entered correctly, playback of the bonus group starts.

To get key numbers, refer to instruction notes of discs.

Notes

- A key number may be cleared in some cases such as when removing the disc. Enter the key number again if necessary.
- When you use a bonus group in a programmed play such as memory playback, enter the key number beforehand.

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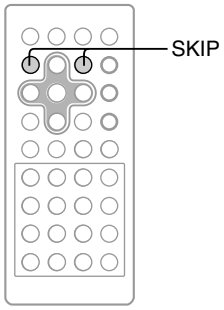

DVD-V DVD-A VCD CD Locating a specific chapter or track

Press SKIP (⏮/⏭) repeatedly to display the chapter or track number you want.

Playback starts from the selected chapter or track.

SKIP ⏭ To locate succeeding chapters or tracks.

SKIP ⏮ Playback starts from the beginning of the current chapter or track.
When you press twice, playback starts from the beginning of the preceding chapter or track.

Notes

- Some titles may not display chapter numbers.
- When you set “Title/Group Stop” to “Off” 64, you can access chapters in another title. If you go back to the preceding title by pressing the SKIP ⏮ button, the player locates the first chapter of the title. When “Title/Group Stop” is set to “On,” you can access chapters only within the current title.

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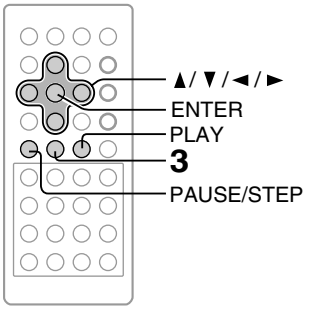
Playing an MP3 Encoded CD

You can play MP3 files on this player.



Playing an MP3 encoded CD

MP3 disc compatible with this player is limited as follows:

- Playable discs: CD-ROM, CD-R, CD-RW
- Sampling Frequency: 44.1 kHz only
- Bit rate 32 kbps-320 kbps
- CD physical format: Mode 1, Mode 2 XA Form 1
- File system: ISO9660 Level 1
- File names are limited to eight characters or less and must incorporate “MP3” extension.
  e.g.“********.MP3”
- File names cannot contain special characters such as “?!><+*}{`[@]:;\ /.,” etc.
- Total number of files on the disc should not exceed 254.

1 Place a CD that contains MP3 files on the disc tray and close the cover.

2 Press PLAY.

PLAY

Playback starts.

3 To stop playback, press STOP.

STOP

Notes

- Some discs may not permit this operation.
- If you stop playback by pressing the STOP button, and then press the PLAY button, playback will start from the beginning of the track.
- The SKIP 27, REPEAT 45 and RANDOM 46 functions are also available.

■ To pause playback

Press **PAUSE/STEP** during playback.

PAUSE/STEP

To resume normal playback, press the PLAY button.

■ Selecting a track (file name) in the disc

1. Press the PLAY button.
2. When playback of the disc begins, file names will be displayed in a list.
3. Press the ▲/▼/◄/► buttons to select a file name you want to play.
   The current file name being played is highlighted in green.
4. Press the ENTER button to begin playback of the selected file name.

This player requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 files). Given the fact that technology in this area is still maturing, Toshiba cannot guarantee that all genre of recordable discs will produce optimal playback quality. The technical criteria set out in this owner’s manual are meant as a guide only.

Customers should also note that permission is required in order to download MP3 files and music from the internet. Toshiba has no right to grant such permission. Permission should always be sought from the copyright owner.

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Advanced playback

Customizing the performance of your player.

- **Accessing a Specific Location Directly**
- **Zooming a Picture**
- **Selecting a Camera Angle**
- **Selecting Subtitles**
- **Selecting a Language**

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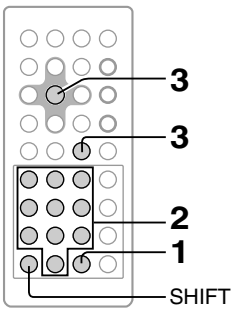
Accessing a Specific Location Directly

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



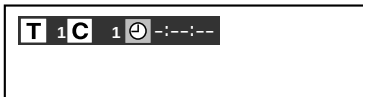
DVD-V VCD CD Entering the time counter of the desired location

1 Press T while pressing SHIFT several times.

SHIFT + T ZOOM

You may have to press further depending on the disc. Press the button repeatedly until the clock icon is highlighted.

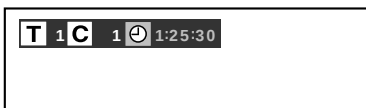
e.g.



2 Press the number buttons to enter the time.

e.g.

1 → 2 → 5 → 3 → 0



3 Press PLAY or ENTER.

PLAY

Playback starts from the desired location.

ENTER

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.

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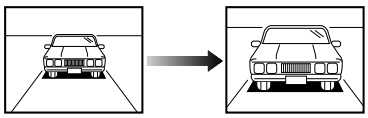
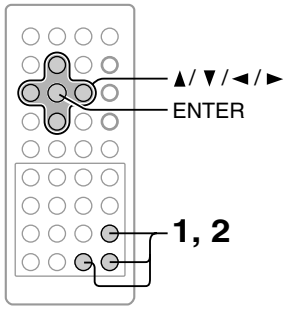
Zooming a Picture

You can magnify areas within a picture.





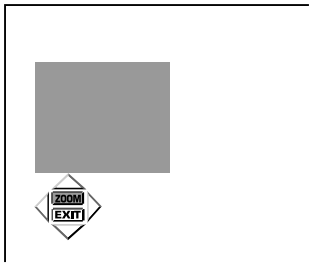
DVD-V VCD DVD-A CD Zooming a picture

1 During normal, slow or still playback, press ZOOM, ZOOM+ or ZOOM–.

T
ZOOM
+
ZOOM
–

The player enters the zoom playback mode, and a monitor display and icon appear.

e.g.



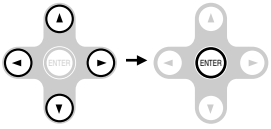
2 Select the zoom point and magnification level.

Magnification level

- To use the fixed levels:
  You can select from the following.
  – Magnification
  – Image reduction
  – Normal playback

T
ZOOM

Press the **ZOOM** button repeatedly.



Alternatively press ▲/▼/◄/► to select “ZOOM” on the icon, and press the **ENTER** button repeatedly.

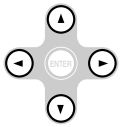
- To zoom in (or to zoom out):

+
ZOOM
–

Press repeatedly or press and hold the **ZOOM+** (or **ZOOM–**) button.

Zoom point

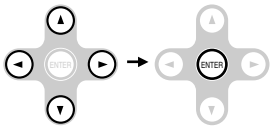
To shift:



Press ▲/▼/◄/►.

■ **To hide the monitor display and icon during zoom playback**

Press ▲/▼/◄/► to select “EXIT,” and press **ENTER**.



■ **To resume normal playback**

Press **ZOOM** repeatedly until the monitor display and icon disappear.

Alternatively press ▲/▼/◄/► to select “ZOOM” on the icon, and press **ENTER** repeatedly until the monitor display and icon disappear.

Notes

- Some discs may not respond to zoom feature.
- During some scenes, the buttons may not work as described.
- Zooming does not work on subtitles or menus included on DVD video discs.
- While the icon is displayed, ▲/▼/◄/►/ENTER cannot work on menus included on DVD video discs. If you want to view the menus, cancel the zoom playback.
- The magnification level varies depending on the picture size you select. 58
- When using a DVD audio disc that includes pictures, this operation may be permitted in some picture segments.

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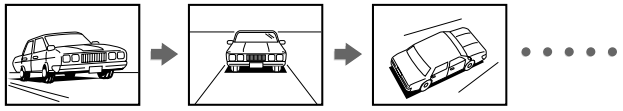
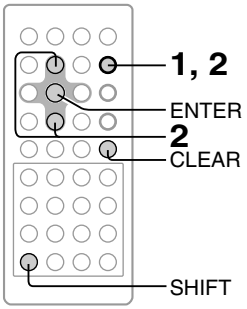
Selecting a Camera Angle

If a scene was recorded with multiple angles, you can easily change the camera angle of the scene you are viewing.





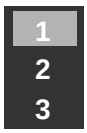
DVD-V DVD-A VCD CD Changing the camera angle

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

ANGLE

While playing a scene recorded with multiple angles, the angle icon ( ) appears on the screen.
Press the ANGLE button while the angle icon is displayed.

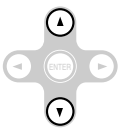
e.g.



2 Press ANGLE or ▲ / ▼ while the angle number is displayed on the screen.

ANGLE

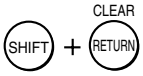
Each time you press the ANGLE or ▲ / ▼ buttons, the camera angle changes.



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

■ To turn off the angle number display

Press **CLEAR** while pressing **SHIFT** or press **ENTER**.



Notes

- After selecting angle, it will take a few moments to change the camera angle of the scene you are viewing.
- 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.
- When using a DVD audio disc that includes pictures recorded from multiple angles, this operation may be permitted in some picture segments.

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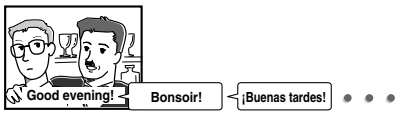
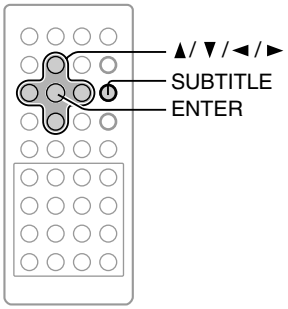
Selecting Subtitles

You can display subtitles on the screen and select a subtitle language from those included on the DVD video disc.





DVD-V DVD-A VCD CD Selecting a subtitle language

1 Press SUBTITLE during playback.

SUBTITLE

The current subtitle setting is displayed.

e.g.

The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. 65

2 Press SUBTITLE or ▲/▼ while the subtitle setting is displayed on the screen.

SUBTITLE

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

To turn off the subtitle setting display, press the ENTER button.

■ To turn subtitles on or off

1 Press **SUBTITLE** during playback.

SUBTITLE

2 Press ◄/► while the subtitle setting is displayed on the screen, to select “On” or “Off.”

Notes

- Some DVD video discs display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- During some scenes, 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 player or replace a disc, the player returns to the initial default setting 61.
  When you select a subtitle language which is not included on the disc, the 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.
- When using a DVD audio disc that includes pictures accompanied with subtitles, this operation may be permitted in some picture segments.

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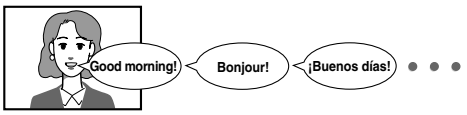
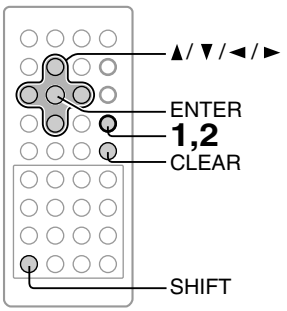
Selecting a Language

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





DVD-V DVD-A VCD CD Selecting a playback audio setting

1 Press AUDIO during playback.

AUDIO

The current audio setting is displayed.

e.g.

ENG1 PCM 2CH
ENG2 DD D 2CH

The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. 65

2 Press AUDIO or ▲/▼ while the audio setting is displayed on the screen.

AUDIO

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

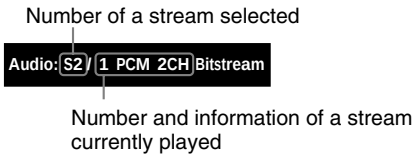
If you press the ◄/► buttons, you can select output sound format.

To turn off the audio setting display, press the CLEAR button while pressing the SHIFT button or press the ENTER button.

■ Selecting audio streams of DVD audio discs

During playback, perform steps 1 and 2. At step 2, you can switch streams 1 and 2.

e.g.



If a DVD audio disc does not include a stream you have selected, the player plays another stream.

■ Selecting sound channels of VIDEO CDs

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

AUDIO

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 player or replace a disc, the player returns to the initial default setting 61.
  If you select a sound track which is not included on the disc, the player plays a prior sound track programmed on the disc.
- When you change the audio setting during playback of a DVD audio disc, playback may return to the beginning of the current track.

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

Discs	Sound recording system		Audio selection from the menu 68 72 and output jacks on the rear panel			
			"Bitstream"		"PCM"	
			BITSTREAM/PCM jack	AV OUT jacks	BITSTREAM/PCM jack	AV OUT jacks
DVD video discs	Dolby Digital		Bitstream	48 kHz/20 bit	48 kHz/20 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/20 bit	48 kHz/20 bit	48 kHz/20 bit	48 kHz/20 bit	48 kHz/20 bit
		48 kHz/24 bit	48 kHz/24 bit	48 kHz/24 bit	48 kHz/24 bit	48 kHz/24 bit
		96 kHz/16 bit	96 kHz/16 bit	96 kHz/16 bit	96 kHz/16 bit	96 kHz/16 bit
		96 kHz/20 bit	96 kHz/20 bit	96 kHz/20 bit	96 kHz/20 bit	96 kHz/20 bit
		96 kHz/24 bit	96 kHz/24 bit	96 kHz/24 bit	96 kHz/24 bit	96 kHz/24 bit
	DTS		Bitstream	–	–	–
	MPEG1, MPEG2		Bitstream	48 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit
VIDEO CDs	MPEG1		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
	DTS		Bitstream	(Noise)	Bitstream	(Noise)
DVD audio discs	Linear PCM or Packed PCM	44.1 kHz/16 bit	–	44.1 kHz/16 bit	–	44.1 kHz/16 bit
		48 kHz/16 bit	–	48 kHz/16 bit	–	48 kHz/16 bit
		44.1 kHz/20 bit	–	44.1 kHz/20 bit	–	44.1 kHz/20 bit
		48 kHz/20 bit	–	48 kHz/20 bit	–	48 kHz/20 bit
		44.1 kHz/24 bit	–	44.1 kHz/24 bit	–	44.1 kHz/24 bit
		48 kHz/24 bit	–	48 kHz/24 bit	–	48 kHz/24 bit
		88.2 kHz/16 bit	–	88.2 kHz/16 bit	–	88.2 kHz/16 bit
		96 kHz/16 bit	–	96 kHz/16 bit	–	96 kHz/16 bit
		88.2 kHz/20 bit	–	88.2 kHz/20 bit	–	88.2 kHz/20 bit
		96 kHz/20 bit	–	96 kHz/20 bit	–	96 kHz/20 bit
		88.2 kHz/24 bit	–	88.2 kHz/24 bit	–	88.2 kHz/24 bit
		96 kHz/24 bit	–	96 kHz/24 bit	–	96 kHz/24 bit
		176.4 kHz/16 bit	–	176.4 kHz/16 bit	–	176.4 kHz/16 bit
		192 kHz/16 bit	–	192 kHz/16 bit	–	192 kHz/16 bit
		176.4 kHz/20 bit	–	176.4 kHz/20 bit	–	176.4 kHz/20 bit
		192 kHz/20 bit	–	192 kHz/20 bit	–	192 kHz/20 bit
		176.4 kHz/24 bit	–	176.4 kHz/24 bit	–	176.4 kHz/24 bit
		192 kHz/24 bit	–	192 kHz/24 bit	–	192 kHz/24 bit

: 3D sound enhancement can function. (Signals are depressed by down sampling process.)

- DVD audio playback will always be 2-channel output. Therefore, discs with down mix restrictions cannot be played.
- DVD audio playback is not outputted from BITSTREAM/PCM jack.
- Some multi-channel recorded DVD audio discs may not permit 2-channel mix playback. If you play such a disc on this player connecting two speakers, you may obtain only the original left and right channel sound, and may not hear other channels that are included in the multichannel mix. This is due to playback restrictions of the disc. Refer to instructions of the disc for details. Such discs may include the same contents recorded in stereo. Select this, if available, by changing the audio setting.
- Signals of 88.2kHz or higher from the BITSTREAM/PCM jack are down converted to 44.1 kHz or 48 kHz when:
  – "3D" is selected. 53
  – "PCM Down Sampling" is set to "On." 59
  – a copyright protected disc is played.
- Quantization will be limited to 16 bits in a copyright protected disc.

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Quick control

Simple use of a single button and the cursor control enables you to direct your playback, without manipulating many actual buttons.

- **Using the Virtual Remote Control - V-REMOTE -**
- **Selecting the Playback Function - QUICK -**
- **Accessing Features - NAVI -**

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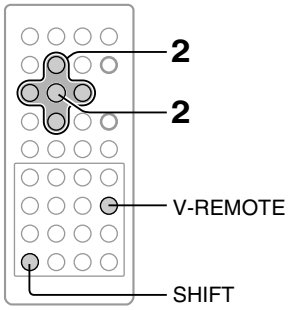
Using the Virtual Remote Control - V-REMOTE -

Pressing 2 buttons simultaneously displays a graphics based on-screen remote control that allows you to control playback as if you were doing it from the actual remote control.



DVD-V DVD-A VCD CD Using the virtual remote control

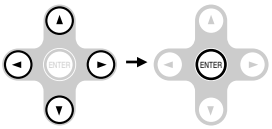
1 During playback, press V-REMOTE while pressing SHIFT.

SHIFT + V-REMOTE QUICK

The virtual remote control appears. For the meaning of each icon, see right.

e.g. DVD-V

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



■ **To turn off the Virtual Remote Control**

Press **V-REMOTE** while pressing **SHIFT**.

SHIFT + V-REMOTE QUICK

Note

Some discs may not permit this operation.

■ **Icons and features**

See the pages in ⟩ for details on the features.

Icon	Function	Page
T*	Current title/track number	–
G*	Current group number	–
C*	Current chapter number	–
*	Elapsed time of the current title/track	–
**	Audio setting	38
**	Subtitle setting	37
**	Angle setting	36
◄I	Reverse slow motion playback	28
II/II►	Pause / Frame by frame playback	27
I►	To begin slow motion playback	28
I◄◄	Playback starts from the beginning of the current chapter or track.	31
►	Normal playback	23
►►I	To locate succeeding chapters or tracks.	31
◄◄	Fast reverse playback	27
■	To stop playback.	24
►►	Fast forward playback	27
	To turn off the Virtual Remote.	

* You can access a desired location. After step 2, perform the steps below:

T / G / C : steps 3 to 5 on 30

: steps 2 and 3 on 34

** After step 2, a sub menu will appear. Perform step 2 on the page in ⟩.

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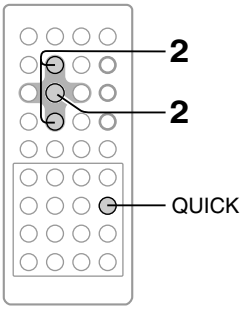
Selecting the Playback Function - QUICK -

Pressing one button can display a list of playback functions which are relevant to your current playback mode. You can check and modify them from the list.



DVD-V DVD-A VCD CD Selecting the playback function

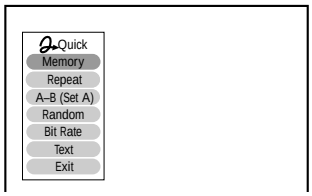
1 During playback, press QUICK.

V-REMOTE

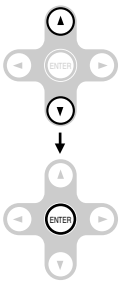
QUICK

The following on-screen display appears.
(The actual display will vary depending on the playback status.)

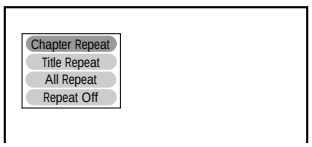
e.g. DVD-V



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



e.g. The mode menu appears.



■ Quick menu

Memory :	To combine titles, groups, chapters or tracks, and play them in the desired order. Up to 30 programs can be set. 〈44〉
Repeat :	To play titles, groups, chapters or tracks repeatedly. 〈45〉
A-B (Set A):	To define a segment to play repeatedly. 〈46〉.
Random :	To play titles, groups, chapters or tracks in random order. 〈46〉
Bit Rate :	To activate the bitrate display. (Bit rate: data transfer rate (Mbit/s) Amount of picture, sound and subtitle data in the DVD video disc transferred per second. The larger the value, the more data processed, but this does not necessarily insure better picture quality.)
Text :	To activate the Text display. Text display: Displays DVD-Text data if included on the disc. When playing a DVD audio disc, displays Album Text data if included on the disc. However, Track Text data is not displayed. (Some content on the disc may not be displayed properly depending on the disc.)
Exit :	To quit the on-screen display.

Note

Pressing the QUICK button again also exits the on-screen display.

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Selecting the Playback Function - QUICK - (continued)

Playing in the selected mode

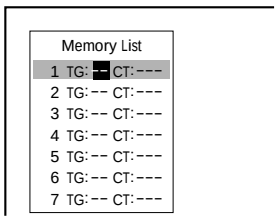
Memory playback DVD-V DVD-A VCD CD

You can combine your favorite titles groups, chapters, or tracks and play them in the order you determine. You can program up to 30 selections into the memory.

Select “Memory” and press the ENTER button. The on-screen display shown below appears.

e.g.

TG: Title number or group number
CT: Chapter number or track number



1 Enter the number in the order you wish to playback, then press **ENTER**.

Each time you press the ◄ / ► button, the spaces of “TG” and “CT” are highlighted in turn. Highlight what you want to enter, then press the corresponding number buttons.

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

When using a video CD/audio CD, enter the track number.

Note
The space of “TG” may be a number. Neglect this number when using a VIDEO CD/audio CD.

2 Press **PLAY** while the display appears on the screen.

The player starts memory playback.

■ **To change the programmed selections**

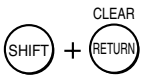
1 While the display appears on the screen, press ▲ / ▼ / ◄ / ► to move the highlighted bar to the item you wish to change.
2 Correct the numbers.

■ **To cancel the programmed selections**

1 While the display appears on the screen, press ▲ / ▼ to move the highlighted bar to the item you want to cancel.
2 Press **CLEAR** while pressing **SHIFT**.

■ **To resume normal playback from memory playback**

Press **CLEAR** while pressing **SHIFT**.



The quick menu can also be available.

Notes

- Some discs may not permit memory playback operation.
- The memory currently on play can be repeated. Select Memory Repeat from the quick menu during the memory playback.
- When the display appears on the screen, if you press the RETURN button, the display disappears.
- The programmed selections will be cleared when:
  – you turn off the player.
  – you open the disc cover.

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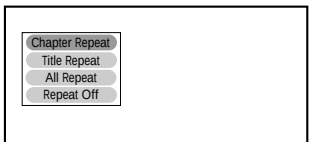
Repeat playback DVD-V DVD-A VCD CD

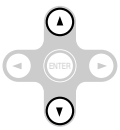
You can play a specific title, group, chapter, or track repeatedly.

Select “Repeat” and press the ENTER button. The on-screen display shown below appears.

e.g.



1 Press ▲ / ▼ to select.



DVD-V Chapter Repeat
DVD-A Track Repeat
↕
DVD-V Title Repeat
DVD-A Group Repeat
VCD CD Track Repeat
↕
DVD-V DVD-A
VCD CD All Repeat
↕
Repeat off

Chapter Repeat:	Repeats the current chapter.
Track Repeat:	Repeats the current track.
Title Repeat	Repeats the current title.
Group Repeat:	Repeats the current group.
All Repeat:	Repeats the entire disc.
Repeat Off:	Resumes normal playback.

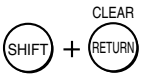
If you select the mode during playback, the player automatically starts repeat playback after finishing the current title, chapter, group or track.

2 Press **PLAY**.

The player starts repeat playback.
Press the PLAY button within about 5 seconds after you select the repeat playback mode.

■ To resume normal playback

Press **CLEAR** while pressing **SHIFT**.



The quick menu can also be available.

Note
Some discs may not permit repeat operation.

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Selecting the Playback Function - QUICK - (continued)

Playing in the selected mode

A-B Repeat DVD-V VCD CD

You can repeat playback of a specific segment.

Select “A-B (Set A)”, and at the beginning of the segment (point A) press the ENTER button. The on-screen display shown below appears.
The beginning of the segment (point A) has been memorized.

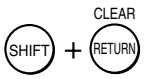
e.g.

1 Press **ENTER** at the end of the segment (point B).

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

■ **To resume normal playback**

Press **CLEAR** while pressing **SHIFT**.



The quick menu can also be available.

Notes

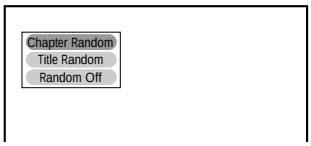
- Some discs may not permit A-B repeat operation.
- You can specify a segment only within the current title or track.
- You cannot set the A-B repeat function for a segment that includes multiple camera angles 〈36〉.
- There may be a slight difference between point A and the location where playback actually resumes, depending on the disc.

Random playback DVD-V DVD-A VCD CD

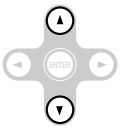
You can play titles, groups, chapters within a title, or tracks in random order.

Select “Random” and press the ENTER button. The on-screen display shown below appears.

e.g.



1 Press ▲ / ▼ to select.



DVD-V	Chapter Random	Plays the chapters within the current title in random order.
DVD-A	Track Random	Plays the tracks within the current group in random order.
DVD-V	Title Random	Plays titles in random order.
DVD-A	Group Random	Plays groups in random order.
VCD	Track Random	Plays tracks in random order.
CD	Track Random	Plays tracks in random order.
	Random Off	Resumes normal playback.

If you select any of the above modes during playback, the player automatically starts random playback after finishing the current title, group, chapter, or track.

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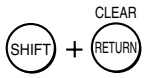
2 Press **PLAY**.

The player starts random playback.
Press the PLAY button within about 5 seconds after you select the random playback mode.

■ To resume normal playback

Press **CLEAR** while pressing **SHIFT**.



The quick menu can also be available.

Note
Some discs may not permit random playback operation.

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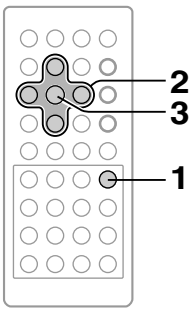
Accessing Features - NAVI -

The NAVI menu provides an icon based display from which you can easily access key playback functions or settings.



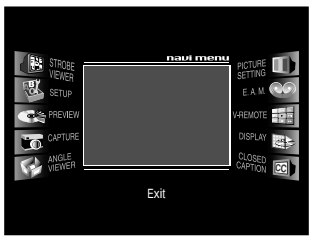
DVD-V DVD-A VCD CD NAVI menu items

1 Press NAVI.

SETUP
NAVI

The NAVI menu appears.

e.g. DVD-V



2 Press ▲ / ▼ / ◄ / ► to select icon.

For details on each feature, refer to the list on the next page.

3 Press ENTER.

Menu selection items appear.

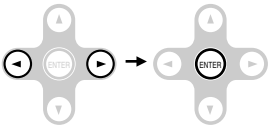
4 Refer to the list on the next page and follow the instructions detailed on subsequent pages.

■ To exit the NAVI menu

Press **NAVI**.

SETUP
NAVI

Alternatively press ◄ / ► to remove the highlight from an icon to the center position, and press **ENTER**.



Note

Depending on the disc, some features cannot be accessed.

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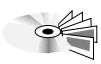
Navi menu selections

	Strobe Viewer	You can divide a desired scene into stop action frames for careful analysis.	50
	Setup	You can change the default settings to customize performance to your preference.	56
	Preview	You can display thumbnail views of the first scenes of titles or chapters and select a preferred one to commence playback.	50
	Capture	You can sample a scene from a playback picture and transform it into a background picture.	51
	Angle Viewer	You can display all camera angles simultaneously and select your preferred one from them.	51
	Picture Setting	You can fine adjust picture quality and store up to 3 custom picture settings in the memory of the player.	52
	E.A.M.	You can easily switch to a preferred audio enhancement.	53
	V-Remote	You can control key playback functions using the graphics based on-screen remote control.	42
	Display	You can view information about a disc and its operational status on the TV screen.	54
	Closed Caption	You can display closed caption included on a DVD disc without connecting a closed caption decoder to your TV.	54

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Accessing Features - NAVI - (continued)

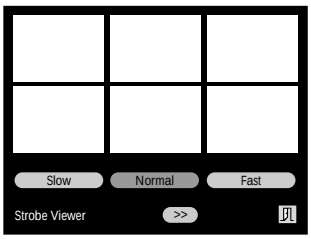
NAVI menu items

Strobe Viewer

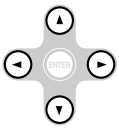
You can divide a desired scene into stop action frames for careful analysis.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



1 Press ▲ / ▼ / ◄ / ► to select.

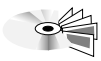


Slow: Still pictures at shorter intervals.
Normal: Still pictures at normal intervals.
Fast: Still pictures at longer intervals.
>>: To view the next series of 6 pictures.
: To quit the on-screen display.

2 Press **ENTER**.

Note
Some discs or scenes may not permit this operation.

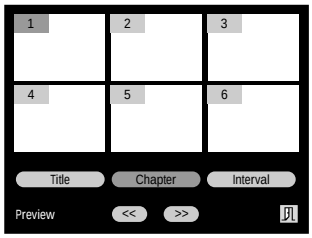
Preview



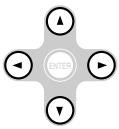
You can display thumbnail views of the first scenes of titles or chapters and select a preferred one to commence playback.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



1 Press ▲ / ▼ / ◄ / ► to select.



1 - 6: To locate the scene.
Title: To display the first scenes of titles (1 to 6).
Chapter: To display the first scenes of chapters (1 to 6).
Interval: To display scenes at intervals of about 10 minutes apart.
<< : To go to the previous page.
>> : To go to the next page.
: To quit the on-screen display.

2 Press **ENTER**.

Notes
- Some discs or scenes may not permit this operation.
- Some items may not be selected depending on the disc or scene.
- Some of the first scenes may not picked up depending on the disc.

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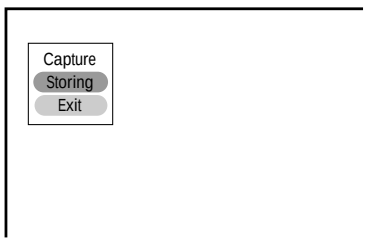
Capture

You can sample a scene from a playback picture and transform it into a background picture.

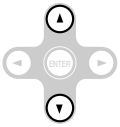
After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



1 Pause the playback at the scenes you wish to store.

2 Press ▲ / ▼ to select.



Storing: To sample and store the current picture in the player memory.
Exit : To quit the on-screen display.

3 Press **ENTER**.

The stored picture will be displayed as a background picture when the player is in the stop mode. It is necessary to confirm this process via the setup menu 62〉.

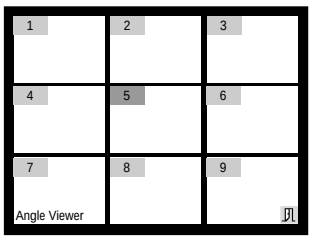
Notes
- You can store only one picture. Storing a new picture will erase the old one.
- No operations are permitted in process of sampling and storage of background picture.
- Some discs or scenes may not permit this operation.

Angle Viewer

You can display all camera angles simultaneously and select your preferred one from them.

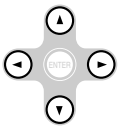
After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



When the scene contains 9 camera angles:

1 Press ▲ / ▼ / ◄ / ► to select.



1-9 : To select the camera angle.
: To quit the on-screen display.

2 Press **ENTER**.

Note
Some discs or scenes may not permit this operation.

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Accessing Features - NAVI - (continued)

NAVI menu items

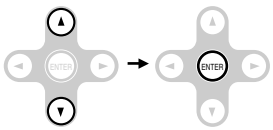
Picture Setting

You can fine adjust picture quality and store up to 3 custom picture settings in the memory of the player.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.

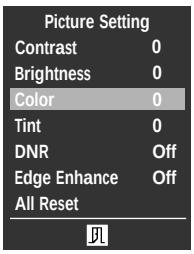
1 Press ▲ / ▼ to select, and press **ENTER**.



(Standard) : Normal setting.
1, 2, 3: Select the desired custom memory number. (Follow steps 2 to 4 below.)

2 Press ▲ / ▼ to select the element.

e.g. When you select “Color”:



3 Press **ENTER**.
The sub menu appears.

4 Press ◄ / ► to adjust the value, and press **ENTER**.

e.g.

Contrast :	-7 (Lower)	to +7 (Higher)
Brightness :	-7 (Darker)	to +7 (Brighter)
Color:	-7 (Duller)	to +7 (Brighter)
Tint :	-7 (Redder)	to +7 (Greener)
DNR*1 :	On / Off	
Edge Enhance*2 :	On / Off	
All Reset :	To restore all the elements to their normal setting. A message will appear. Follow the procedure displayed on-screen.	

*1: DNR: Digital Noise Reduction.
To view a picture with less video noise.

Notes

- Actual picture enhancement may vary depending on the quality of the disc.
- While the DNR feature can provide additional improvement in the reduction of noise in the video signal, it may produce undesirable picture artifacts on some discs.
- Depending on the disc, some kinds of picture details may be lost by the picture enhancement.

*2: To enhance picture edges.

Note

These settings are not available when connecting to a TV via the component video jacks (Y, P_B, P_R).

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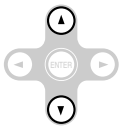
E.A.M.: Enhanced Audio Mode

You can obtain expansive virtual surround sound effects from just two speakers.

Select this icon and press the ENTER button. The on-screen display shown below appears.

e.g.

1 Select the sound enhancement by pressing ▲ / ▼.



Each time you press the button, the sound enhancement changes.

Normal:
Normal sound.

3D: *
To obtain expansive virtual surround sound effects from just two speakers.

Dialogue:
To control critical center channel information to make dialogue more intelligible (only when playing a DVD video disc recorded on the Dolby Digital recording system).

- To use this enhancement on sounds output from the BITSTREAM/PCM jack, be sure to set “Audio Out Select” to “PCM.” 59

2 To exit the audio enhancement selection press **ENTER**.

Alternatively leave the player unattended for about 5 seconds after having made a selection.

Notes

- Actual effects to sounds may vary depending on the speaker system. Make the selection to your preference.
- Actual effects to sounds may vary depending on the disc.
- When the player is connected to an amplifier equipped with Dolby Pro Logic Surround, select “Normal”. Otherwise, Dolby Pro Logic Surround may function differently than usual.
- Selecting “Dialogue” disables the “Dynamic Range Control” function 60.

* Spatializer® 3-Dimensional Sound Processing provided by Desper Products. Inc.
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Accessing Features - NAVI - (continued)

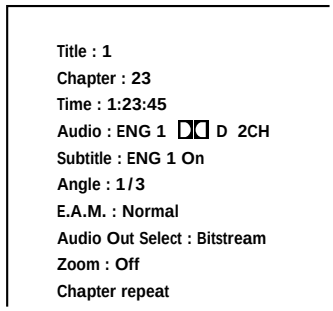
NAVI menu items

Display

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

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



To quit the on-screen display, press **ENTER**.

Notes

- Some discs or scenes may not permit this operation.
- When playing a DVD audio disc, the area may show the sound recording system (sampling frequency and quantization bit) of the disc, and the corresponding speakers using the following symbols.
  C (mono):
  Recorded in monaural.
  L, R:
  (L: Left, R: Right)
  Recorded in 2ch stereo.
  Lf, Rf, C, LFE, S, Ls, Rs:
  (Lf: Left front, Rf: Right front, C: Center, LFE: Subwoofer, S: Surround, Ls: Left surround, Rs: Right surround)
  Recorded in multi-channel.

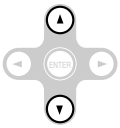
Closed Caption

You can display closed caption included on a DVD disc without connecting a closed caption decoder to your TV.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.

1 Press ▲ / ▼ to select.



On: To display closed caption.
Off: To disable closed caption.

2 Press **ENTER**.

Notes

- While you are using on-screen displays (including the above one), you cannot view closed caption.
- When "On" is selected, some displays such as "▷" may be disabled.

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Function Setup

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

- **Customizing the Function Settings**
- **Table of Languages**

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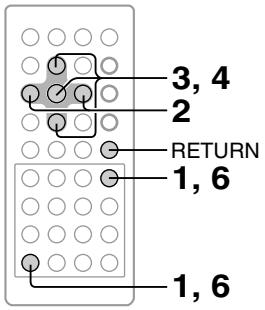
Customizing the Function Settings

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

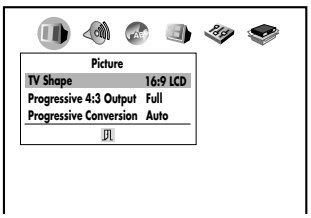


DVD-V DVD-A VCD CD Setting procedure

1 Press SETUP while pressing SHIFT during stop.

SHIFT + SETUP NAVI

The following on-screen display appears.



2 Press ◄ / ► to select a symbol for the setting you want to change.

(See the next page.)

Picture performance settings

Output sound settings

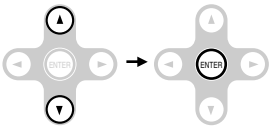
Language settings

Display settings

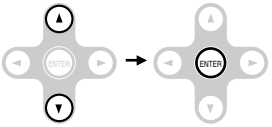
Operational settings

Initial settings

3 Press ▲ / ▼ to select the setting you want to change, then press ENTER.



4 Change the selection by ▲ / ▼ or other buttons, by referring to the corresponding pages 57, then press ENTER.



5 Repeat steps 3 and 4 to change other settings.

To select another operation, go back to step 2.

6 Press SETUP while pressing SHIFT.

SHIFT + SETUP NAVI

The on-screen display disappears.

■ To return to the previous display

Press **RETURN**.

CLEAR RETURN

Notes

- The on-screen display disappears when you press the SETUP button while pressing the SHIFT button. (From the player, press SETUP.)
- 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 playback is stopped.

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Setting		Details	Page
TV Shape	DVD-V	**To select a picture size according to the aspect ratio of your TV.**	**58**
Progressive 4:3 Output	DVD-V VCD	**To select the video output of pictures recorded in 4:3 format. (Only when connected to a PROGRESSIVE TV.)**	**58**
Progressive Conversion	DVD-V	**To select the system of output signal. (Only when connected to a PROGRESSIVE TV.).**	**58**
PCM Down Sampling	DVD-V DVD-A	**To select a sound processing option according to performance of the connected equipment. (Only when the BITSTREAM/PCM (DIGITAL) AUDIO OUT jack is connected.)**	**59**
Audio Out Select	DVD-V DVD-A VCD CD	**To select an output sound format corresponding to your system connection.**	**59**
Dynamic Range Control	DVD-V	**To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late hours playback.**	**60**
Karaoke Vocal	DVD-V	**To turn on or off the vocal output during DVD KARAOKE disc playback.**	**60**
On-Screen Language	DVD-V DVD-A VCD CD	**To select a preferred language for on-screen displays.**	**60**
Disc Menu Language	DVD-V	**To select a preferred language for disc menus.**	**60**
Audio Language	DVD-V	**To select a preferred language for the sound track.**	**61**
Subtitle Language	DVD-V	**To select a preferred language for subtitles.**	**61**
On-Screen Displays	DVD-V DVD-A VCD CD	**To turn on or de-activate the operational status display on the TV screen.**	**62**
Background	DVD-V DVD-A VCD CD	**To select the background color or background picture.**	**62**
Screen Saver	DVD-V	**To turn the screen saver on or off.**	**62**
Pause/Still	DVD-V	**To select the resolution of still pictures. (Field/Frame)**	**62**
Parental Lock	DVD-V	**To turn the parental lock function on or off.**	**62**
Title/Group Stop	DVD-V DVD-A	**To turn on or off a feature that automatically stops playback after a title/group has been viewed.**	**64**
PBC	VCD	**To use the menu screen when playing a PBC-controllable VIDEO CD.**	**64**
Priority Contents	DVD-V DVD-A	**To select the playback priority between DVD video and DVD audio format signals.**	**64**
Initialize	DVD-V DVD-A VCD CD	**To restore all settings to the factory set.**	**64**

- **When using a DVD audio disc that includes pictures, some settings marked DVD-V may be effective.**

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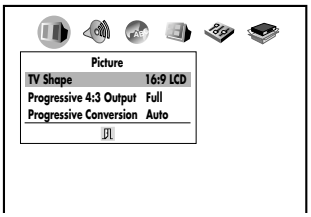
Customizing the Function Settings (continued)

Setting details



TV Shape DVD-V

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

4:3 Normal: Select when a standard 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.

16:9 LCD: Select when you use the LCD of this player. Displays pictures in the same size (4:3, 16:9, etc.) as recorded in a DVD video disc.

Notes
- 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.

Progressive 4:3 Output DVD-V VCD

Select the video output of pictures recorded in 4:3 format. (Only when connected to a PROGRESSIVE TV.)

Full: Displays pictures expanded horizontally to fill the 16:9 screen.

4:3: Displays images in 4:3 aspect ratio with masking bars to the left and right of the picture.

Progressive Conversion DVD-V

There are two types of source content in pictures recorded in DVD video discs: film content (pictures recorded from films at 24 frames per second) and video content (video signals recorded at 30 frames per second). Make this selection according to the type of content being viewed.

Auto: Select this position normally.
The player automatically detects source content, film or video, of playback source, and converts that signal in the progressive output format in an appropriate method.
Video: The player filters video signal, and converts it in the progressive output format appropriately. Suitable for playback of video content pictures.
Film: The player converts film content pictures in the progressive output format appropriately. Suitable for playback of film content pictures. The progressive output feature will be most effective under this selection.

Note
Depending on the disc, pictures may be cut off or doubled. In this case, select “Video.”

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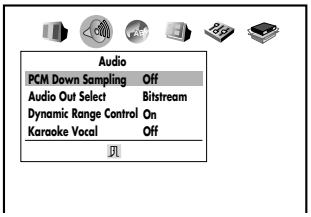

PCM Down Sampling DVD-V DVD-A

Make this selection only when you use your audio equipment (e.g. receiver) connecting to the player via the BITSTREAM/PCM (DIGITAL) AUDIO OUT jack.

According to performance of your connected receiver, select a sound processing option for playback of a disc that contains high frequency signals (sampling frequency 96 kHz or 88.2 kHz).

On: Select when your connected receiver does not conform to high frequency signals of 88.2 kHz or higher.
The player outputs these signals in a disc depressing the frequencies to 48 kHz or 44.1 kHz.

Off: Select when your connected receiver conforms to high frequency signals of 88.2 kHz or higher.
The player outputs these signals in a disc as they are.

Notes

- Regardless of this setting, the player outputs high frequency signals in a copyright protected disc, depressing to 48 kHz or 44.1 kHz; and outputs those of 176.4 kHz or 192 kHz in a disc with no copyright protection, depressing to 88.2 kHz or 96 kHz.
- If you select “Off” while your connected receiver does not conform to high frequency signals of 88.2 kHz or higher, you cannot hear output sound of those signals.

Audio Out Select DVD-V DVD-A VCD CD

Select the output sound format corresponding to your system connection.
For details of sound recording systems, see 39.

Bitstream: Select when connected to an amplifier equipped with a Dolby Digital, DTS, MPEG1 or MPEG2 decoder. 73
The player outputs digital audio information in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS, MPEG1 or MPEG2 recording system.

PCM: Select when connected to a 2 channel digital stereo amplifier. 74
The player outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1 or MPEG2 recording system.

Note

When you make a connection to a TV, or Dolby Pro Logic or stereo system via the analog audio jacks, select “Bitstream” or “PCM.”

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Customizing the Function Settings (continued)

Setting details

Dynamic Range Control DVD-V

Turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late hours playback.

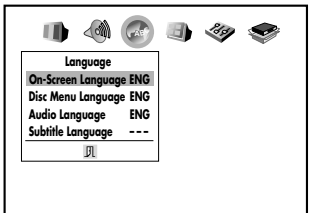
Off: Full dynamic range is maintained.
On: Dynamic range is reduced.

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

Karaoke Vocal DVD-V

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

Notes
- 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.
- When playing KARAOKE, connect appropriate audio equipment such as an amplifier to the player.



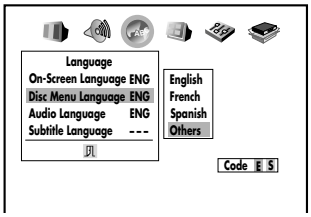
On-Screen Language DVD-V DVD-A VCD CD

English: To view on-screen displays in English.
Français: To view on-screen displays in French.
Español: To view on-screen displays in Spanish.

Disc Menu Language DVD-V

English: To display disc menus in English.
French: To display disc menus in French.
Spanish: To display disc menus in Spanish.
Others: To make a further choice.
After pressing the ENTER button, follow steps 1) - 4) below.

1) Obtain the abbreviation of the preferred language from the list 〈65〉.
2) Select the first character by pressing ▲ / ▼.
3) Press ◄ / ► to shift and select the second character by pressing ▲ / ▼.



4) Press the ENTER button.

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

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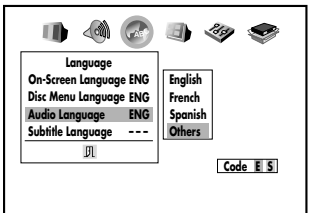
Audio Language DVD-V

English: To play sound tracks in English.
French: To play sound tracks in French.
Spanish: To play sound tracks in Spanish.
Others: To make a further choice.
After pressing the ENTER button, follow steps 1) - 4) below.

1) Obtain the abbreviation of the preferred language from the list 65.
2) Select the first character by pressing ▲ / ▼.
3) Press ◄ / ► to shift and select the second character by pressing ▲ / ▼.



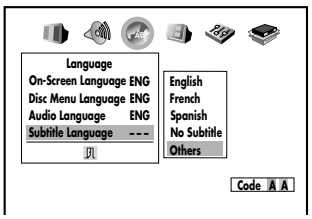
4) Press the ENTER button.

Note
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-V

English: To display subtitles in English.
French: To display subtitles in French.
Spanish: To display subtitles in Spanish.
No Subtitle: To disable subtitles.
Others: To make a further choice.
After pressing the ENTER button, follow steps 1) - 4) below.

1) Obtain the abbreviation of the preferred language from the list 65.
2) Select the first character by pressing ▲ / ▼.
3) Press ◄ / ► to shift and select the second character by pressing ▲ / ▼.



4) Press the ENTER button.

Notes
- 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.

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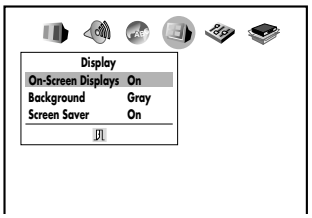
Customizing the Function Settings (continued)

Setting details



On-Screen Displays DVD-V DVD-A VCD CD

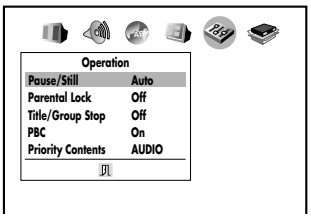
Off: Operational modes (e.g. "▯▯", " ▻▻ ") are not displayed.
On: Operational modes (e.g. "▯▯", " ▻▻ ") are displayed on-screen.

Background DVD-V DVD-A VCD CD

Blue: Blue background.
Gray: Gray background.
Capture: To use a picture you sampled and stored in the memory using the Capture feature 51 as a background.
Jacket: To use the jacket picture included on some discs as a background. If it is not included, a gray background will be substituted.

Screen Saver DVD-V

Off: The screen saver is disengaged.
On: The screen saver operates.



Pause/Still DVD-V

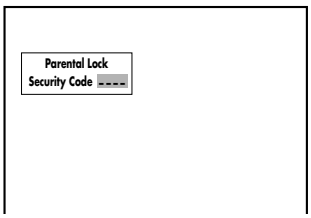
Auto: For normal use. Still and fast motion images can be paused.
Frame: The resolution of still pictures is improved, so that you can make a motionless picture more clearer when you pause it.

Parental Lock DVD-V

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 player. Make sure this function works with your DVD video discs.

Off: The parental lock feature does not function. After pressing the ENTER button, follow step 1) below.
On: To activate the parental lock feature or change the settings.
After pressing the ENTER button, follow steps 1) - 3) below.



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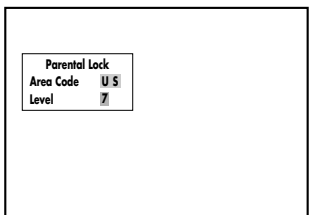
1) Press the number buttons to create a personal 4-digit security code, then press the ENTER button.
If you make a mistake before pressing the ENTER button, press CLEAR while pressing SHIFT and enter your 4-digit security code again.

2) Enter the code of a country/area whose standards were used to rate the DVD video disc, referring to the list below.

Country/Area	Code
AUSTRALIA	AU
BELGIUM	BE
CANADA	CA
CHINA	CN
CHINA HONG KONG	HK
DENMARK	DK
FINLAND	FI
FRANCE	FR
GERMANY	DE
INDONESIA	ID
ITALY	IT
JAPAN	JP
MALAYSIA	MY
NETHERLANDS	NL
NORWAY	NO
PHILIPPINES	PH
RUSSIAN FEDERATION	RU
SINGAPORE	SG
SPAIN	ES
SWEDEN	SE
SWITZERLAND	CH
TAIWAN	TW
THAILAND	TH
UNITED KINGDOM	GB
UNITED STATES	US

a) Select the first character by pressing ▲ / ▼.
b) Press ◄ / ► to shift and select the second character by pressing ▲ / ▼.
c) Press the ENTER button.

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



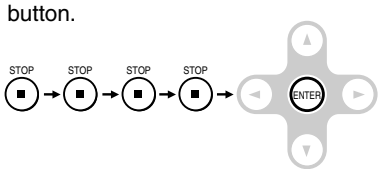
You cannot play DVD video discs rated higher than the level you selected unless you cancel the parental lock function.
For example, when you select level 7, discs rated higher than level 7 are locked out and cannot be played.

The parental lock level is equivalent to the following USA movie ratings.
Level 7: NC-17
Level 6: R
Level 4: PG 13
Level 3: PG
Level 1: G

The parental lock levels for other countries/areas than U.S. 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 steps 1) - 3).

■ **To change your 4-digit security code**
1) After selecting “On” or “Off,” press the STOP button four times, then press the ENTER button.



The 4-digit security code is cleared.
2) Press the number buttons to create a new 4-digit security code.
3) Press the ENTER button.

Note
After making the “Parental Lock” setting, the on-screen display will disappear. To make other settings, press the SETUP button again to display them.

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Customizing the Function Settings (continued)

Setting details

Title/Group Stop DVD-V DVD-A

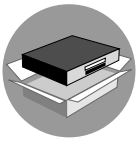
Off: The player continues after playback of a title/group is completed.
On: The player stops after playback of a title/group is completed.

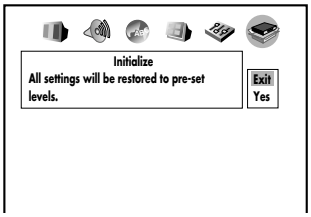
PBC VCD

Off: When playing a VIDEO CD without using the menu.
On: To use the menu when playing a PBC-featured VIDEO CD.

Priority Contents DVD-V DVD-A

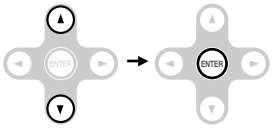
Select the playback priority between DVD video and DVD audio format signals when playing a DVD disc that contains both DVD video and DVD audio format signals.
DVD-AUDIO: DVD audio format signals take priority over DVD video format signals.
DVD-VIDEO: DVD video format signals take priority over DVD audio format signals.



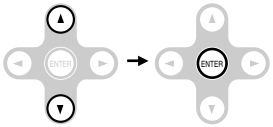


Initialize DVD-V DVD-A VCD CD

To restore all settings to the factory set.
1) Press ▲ / ▼ to select “Yes,” and press the **ENTER** button.



2) Read the message, and if you really want to restore all settings, press ▲ / ▼ to select “Yes,” and press the **ENTER** button.



The message of completion appears.

Note
The “Parental Lock” setting is not restored to the factory set.

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Table of Languages

Table of languages and their abbreviations

Abbreviation	Language
– – –	No alternate language
CHI (ZH)	Chinese
DUT (NL)	Dutch
ENG (EN)	English
FRE (FR)	French
GER (DE)	German
ITA (IT)	Italian
JPN (JA)	Japanese
KOR (KO)	Korean
MAY (MS)	Malay
SPA (ES)	Spanish
AA	Afar
AB	Abkhazian
AF	Afrikaans
AM	Amharic
AR	Arabic
AS	Assamese
AY	Aymara
AZ	Azerbaijani
BA	Bashkir
BE	Belorussian
BG	Bulgarian
BH	Bihari
BI	Bislama
BN	Bengali, Bangla
BO	Tibetan
BR	Breton
CA	Catalan
CO	Corsican
CS	Czech
CY	Welsh
DA	Danish
DZ	Bhutani
EL	Greek
EO	Esperanto
ET	Estonian
EU	Basque
FA	Persian
FI	Finnish
FJ	Fiji
FO	Faroese
FY	Frisian
GA	Irish
GD	Scottish Gaelic
GL	Galician

Abbreviation	Language
GN	Guarani
GU	Gujarati
HA	Hausa
HI	Hindi
HR	Croatian
HU	Hungarian
HY	Armenian
IA	Interlingua
IE	Interlingue
IK	Inupiak
IN	Indonesian
IS	Icelandic
IW	Hebrew
JI	Yiddish
JW	Javanese
KA	Georgian
KK	Kazakh
KL	Greenlandic
KM	Cambodian
KN	Kannada
KS	Kashmiri
KU	Kurdish
KY	Kirghiz
LA	Latin
LN	Lingala
LO	Laotian
LT	Lithuanian
LV	Latvian, Lettish
MG	Malagasy
MI	Maori
MK	Macedonian
ML	Malayalam
MN	Mongolian
MO	Moldavian
MR	Marathi
MT	Maltese
MY	Burmese
NA	Nauru
NE	Nepali
NO	Norwegian
OC	Occitan
OM	(Afan) Oromo
OR	Oriya
PA	Panjabi
PL	Polish
PS	Pashto, Pushto

Abbreviation	Language
PT	Portuguese
QU	Quechua
RM	Rhaeto-Romance
RN	Kirundi
RO	Rumanian
RU	Russian
RW	Kinyarwanda
SA	Sanskrit
SD	Sindhi
SG	Sango
SH	Serbo-Croatian
SI	Singhalese
SK	Slovak
SL	Slovenian
SM	Samoan
SN	Shona
SO	Somali
SQ	Albanian
SR	Serbian
SS	Siswati
ST	Sesotho
SU	Sundanese
SV	Swedish
SW	Swahili
TA	Tamil
TE	Telugu
TG	Tajik
TH	Thai
TI	Tigrinya
TK	Turkmen
TL	Tagalog
TN	Setswana
TO	Tongan
TR	Turkish
TS	Tsonga
TT	Tatar
TW	Twi
UK	Ukrainian
UR	Urdu
UZ	Uzbek
VI	Vietnamese
VO	Volapük
WO	Wolof
XH	Xhosa
YO	Yoruba
ZU	Zulu

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Connections

You can connect the player to a TV or audio system. Also, you can connect a battery pack to power the player.

- **Connecting to a TV**
- **Connecting to Headphones**
- **Viewing Pictures from Connected Video Equipment**
- **Connecting to Optional Equipment**
- **Using the Battery Pack (sold separately)**

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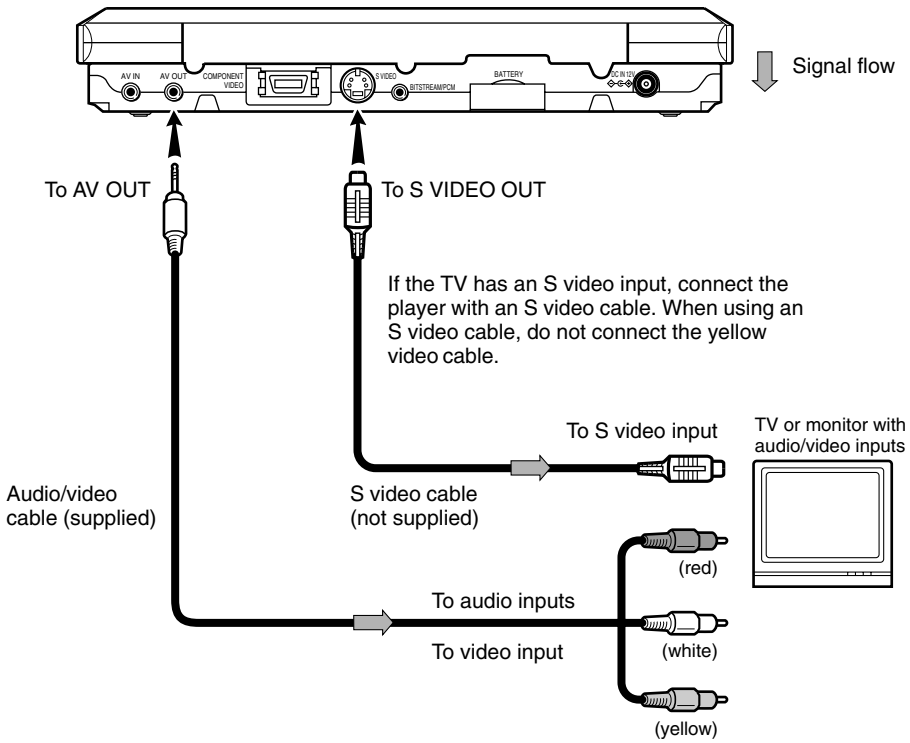
Connecting to a TV

Connect the player to your TV.

For details of output sound, see 43.

Connecting to a TV



• Make the following setting.

On-screen display	Select:	Page
"Audio Out Select"	"Bitstream" or "PCM"	72

Notes

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

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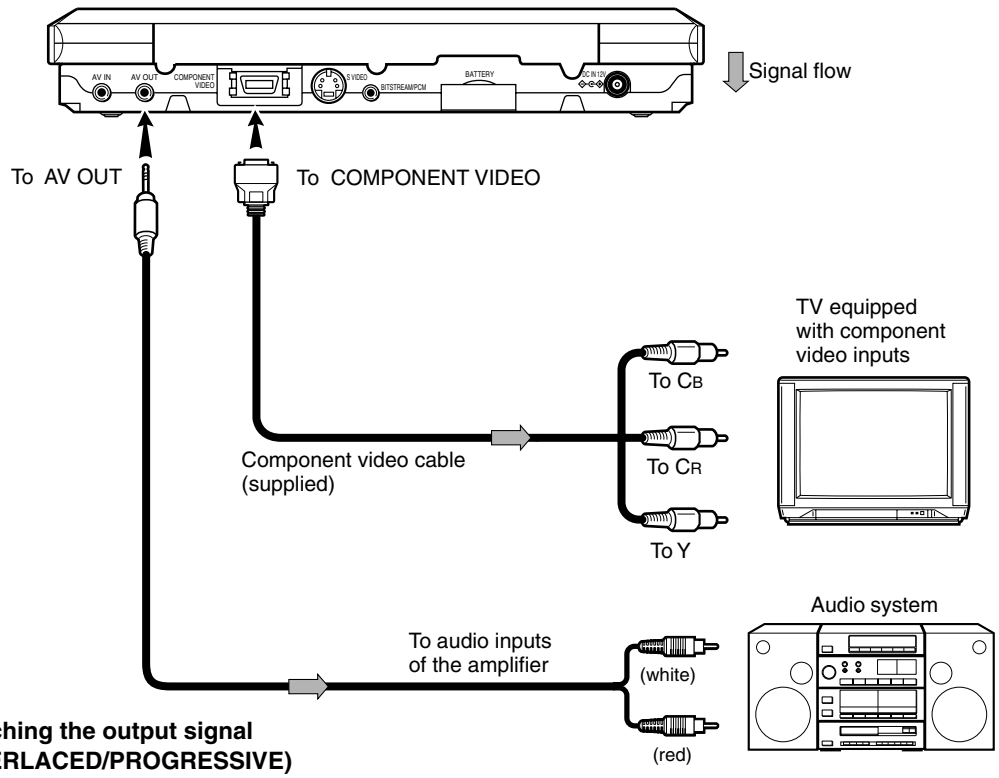
INTERLACED outputs/inputs (ColorStream®)
Some TVs or monitors are equipped with component video inputs. Connecting to these inputs allows you to enjoy higher quality picture playback.
Actual labels for component video inputs may vary depending on the TV manufacturer. (ex. Y, R-Y, B-Y or Y, C_B, C_R)
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.

PROGRESSIVE outputs/inputs (ColorStream®Pro)
Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressively scanned video signal. Connecting to these inputs allows you to view the highest quality pictures with less flicker.

Connecting to an audio system and TV equipped with component video inputs



■ Switching the output signal (INTERLACED/PROGRESSIVE)

Video signals of both interlace and progressive scanning formats are output from the player's COMPONENT VIDEO connector. Press the **MONITOR** button on the main unit repeatedly and select the type of output signal according to the scanning format of the connected TV. 25

MONITOR

Select "External Interlaced" or "External Progressive".

When the AV OUT or BITSTREAM/PCM jacks are connected to the audio input terminals of an audio system, sounds of discs can be heard on the connected audio system. For instructions on connections to audio systems, see page 72.

- Make the following setting.

On-screen display	Select:	Page
"Audio Out Select"	"Bitstream" or "PCM"	72

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

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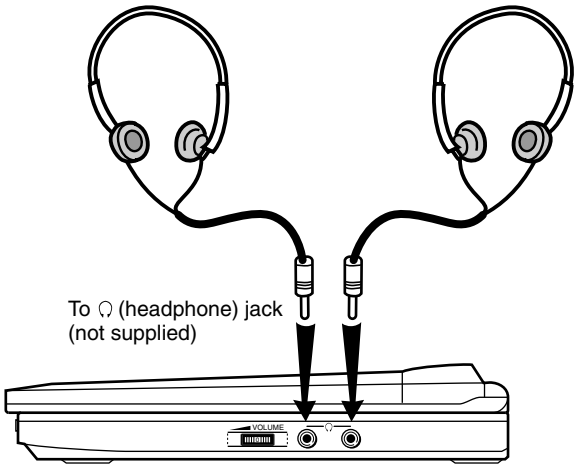
Connecting to Headphones

You can listen to movies and music privately by connecting headphones.

Caution
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.

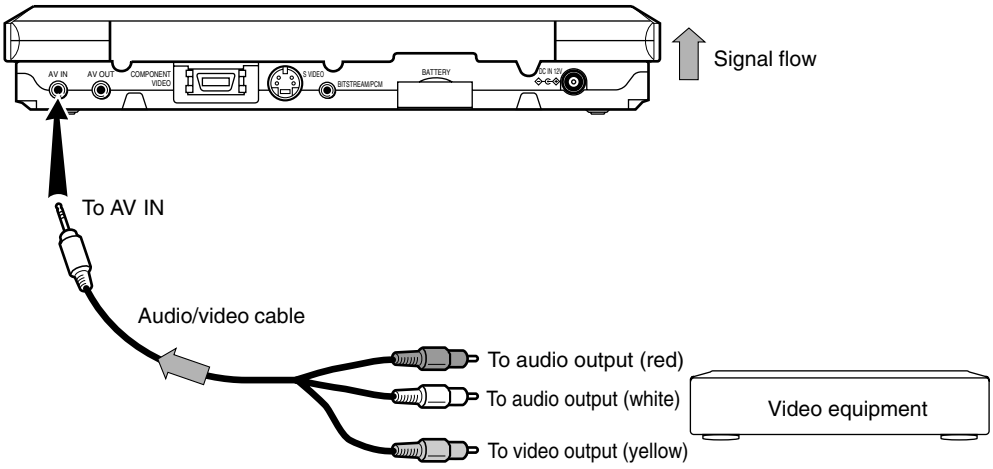


Connecting headphones
Connect headphones to the headphone jack using a stereo mini plug.
Before connecting, temporarily turn down the volume with the headphone volume control. Readjust to your preference when playback starts.

- Turn off the player before you connect or disconnect the headphone cable. Neglecting this may cause abnormal performance of the player.
- You can connect up to 2 headphones.

Viewing Pictures From Connected Video Equipment

You can use the LCD of this player to monitor pictures of video equipment connected via the AV IN jack.
Press the AV SOURCE button, then switch player mode and external AV input mode. In the external AV input mode, the driver of this player is stopped, and screen saver function/auto power OFF function becomes ineffective.



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Connecting to Optional Equipment

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

- For connection to your TV, see “Connecting to a TV” 68 69.
- For details of output sound, see 39.
- This section uses the following reference marks.

: Front speaker

: Rear speaker

: Sub woofer

: Center speaker

: Signal flow

Notes

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

Warning

- When you are connecting (via the BITSTREAM/PCM (DIGITAL) AUDIO OUT jack) an AV decoder that does not have Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function, be sure to set “Audio Out Select” to “PCM” from the on-screen displays 56 59. Otherwise, high volume sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (audio CDs), excessive noise may be output from the analog audio output jacks. To avoid possible damage to the audio system, you should take proper precautions when the analog audio output jacks of the player are 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 (DIGITAL) AUDIO OUT jack of the player.

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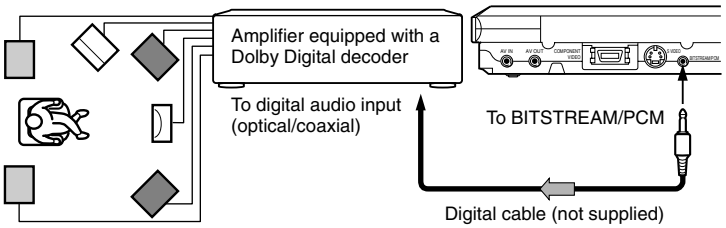
Connecting to Optional Equipment (continued)

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 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.



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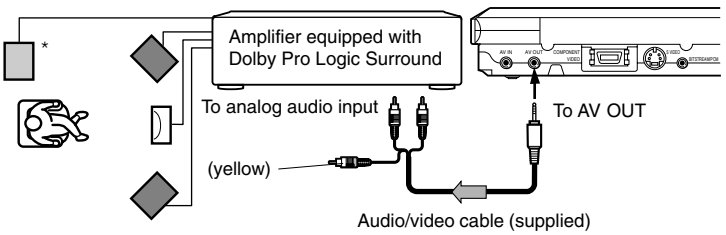
- Use DVD video discs encoded via the Dolby Digital recording system.
- Make the following setting.

On-screen display	Select:	Page
“Audio Out Select”	“Bitstream”	56 59
Recording system	DD D	39

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.

On-screen display	Select:	Page
“Audio Out Select”	“Bitstream” or “PCM”	56 59

Be sure to set “Audio Out Select” to “Bitstream” or “PCM” when you enjoy sounds of Dolby Pro Logic Surround using this connection.

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

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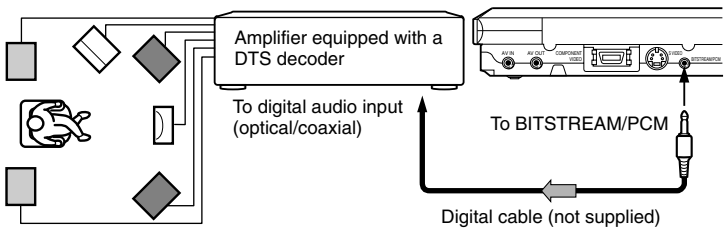
Connecting to an amplifier equipped with a DTS decoder

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.



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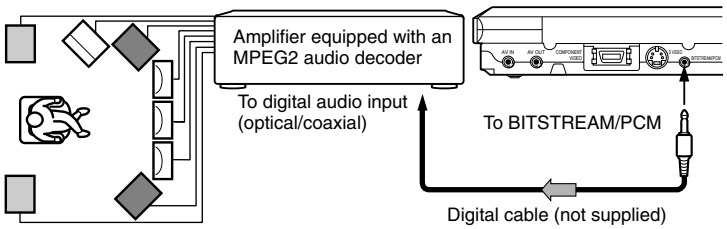
- Use DVD video discs or audio CDs encoded via the DTS recording system.
- Make the following setting.

On-screen display	Select:	Page
"Audio Out Select"	"Bitstream"	56 59
Recording system	DTS	39

Connecting to an amplifier equipped with an MPEG2 audio decoder

MPEG2 sound
You can enjoy motion picture and live concert DVD video discs with dynamic realistic sound by connecting an amplifier equipped with an MPEG2 audio decoder or MPEG2 audio processor.



- Use DVD video discs encoded via the MPEG2 recording system.
- Make the following setting.

On-screen display	Select:	Page
"Audio Out Select"	"Bitstream"	56 59
Recording system	MPEG	39

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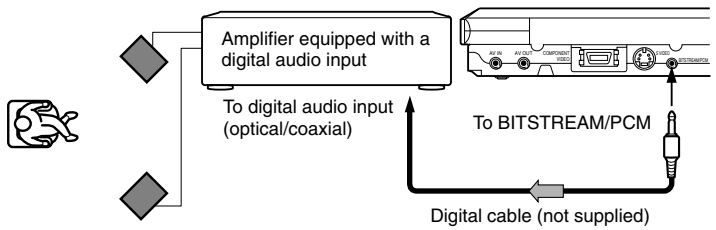
Connecting to Optional Equipment (continued)

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.

On-screen display	Select:	Page
“Audio Out Select”	“PCM”	56 59

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Using the Battery Pack

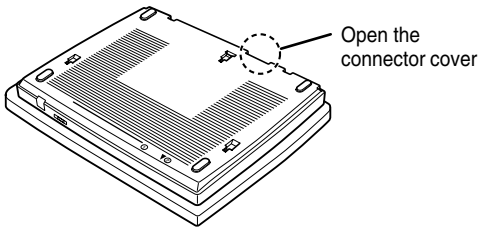
Warning
- Do not use a battery pack other than one specified as it can result in a fire or damage to the unit.
- Do not heat, open, or short-circuit the battery pack. Do not throw the battery pack into a fire. Doing so may cause an explosion or a fire.
- Attach the battery pack properly following the explanation below. Make sure that the battery pack is attached firmly to the player when using it. Otherwise, the battery pack may become detached and cause personal injury.

Use a battery pack MEDB02SX (supplied) or MEDB02LX (not supplied). Charge it before using.

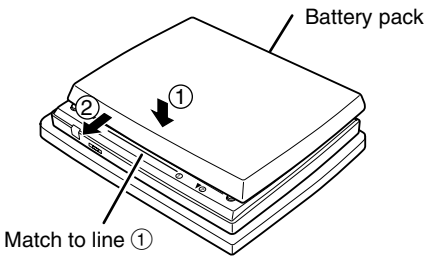
■ Attaching the battery pack

First disconnect the AC adapter and the power cord from the player, then attach the battery pack.

1 Turn the player off.
2 Turn the player upside down.
3 Open the connector cover on the rear of the player by pressing it.



4 Turn the battery pack over and matching it to the line ① on the player. Simultaneously insert the hooks of the battery pack into the corresponding holes on the player.
Then, slide the battery pack in the direction of the arrow ② until a "click" is heard.



Note
Remove the battery pack from the player after being used.

■ Charging the battery pack

1 Turn the player off.
The battery pack will charge only when the POWER to the player is turned OFF.
2 Attach the battery pack to the player.
3 Connect the supplied AC adapter and the power cord to the player. 〈20〉
Charging starts, and the POWER/CHG indicator illuminates in orange.
When the charging is completed, the POWER/CHG indicator turns off.

Notes
- The attached battery pack may get warm when you are charging it or operating the player. This is not a defect.
- The POWER/CHG indicator flashes in green when the power in the battery pack is running low.
- Charge the battery with a surrounding temperature of +10°C to +30°C.

■ Charging time of a battery pack

MEDB02SX (supplied)	approximately 5.5 hours
MEDB02LX (not supplied)	approximately 7.5 hours

The battery pack can be charged only when the DVD player is switched OFF. Charging time depends on environmental conditions.

■ LCD brightness while using the battery pack

Since the player operates in a power saving mode when the battery pack is attached, LCD brightness may be reduced. It can be restored by pressing the DIMMER button on the remote control. A brighter LCD display will shorten battery pack life.

■ Continuous playback time while using the battery pack

MEDB02SX (supplied)	up to approximately 3.5 hours
MEDB02LX (not supplied)	up to approximately 5.5 hours

(Conditions: 25°C, output from the speakers, LCD brightness minimized, new battery pack in use.)

- Continuous playback time may vary depending on battery pack status, operational status and environment conditions.
- Low temperature will shorten the playback time.

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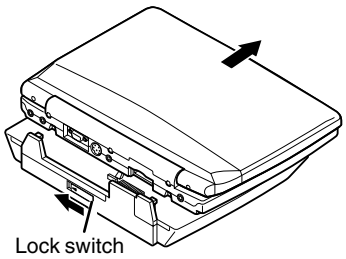
Using the Battery Pack (continued)

■ Detaching the battery pack

1. **Turn the player off.**
2. **Disconnect the AC adapter and the power cord from the player.**
3. **Slide the battery pack's lock switch in the open direction, then slide the player in the direction of the arrow to remove it.**



4. **Close the connector cover on rear of the player.**

Note
Do not detach the battery pack while you are operating the player (while the POWER/CHG indicator illuminates in green).

■ About battery pack life

Battery pack has a duration life. When the playback time become short remarkably even if the battery pack is fully charged, change to a new battery pack.

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Others

- **Before Calling Service Personnel**
- **Specifications**
- **LIMITED WARRANTY PORTABLE DVD PLAYER**

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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.	• The AC adapter or power plug is disconnected.	• Connect the AC adapter or power plug securely.	20
	• The battery pack has been removed.	• Install the battery pack.	–
	• Dead batteries.	• Re-charge the battery.	–
The player turned off by itself.	• The automatic power off function turned the unit off.	• Press the PLAY button.	25
No picture.	• The connected TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV so the picture from the player appears on the TV screen.	22
	• The output signal is set to the External Screen mode.	• Set the output signal properly.	25
No sound.	• The equipment connected via the audio/video cable is not set to receive DVD signal output.	• Select the correct input mode of the audio receiver so you can listen to the sound from the player.	68 , 69
	• The volume is too low.	• Adjust the volume by turning the volume control.	24
	• The audio receiver or TV is turned off.	• Turn on the equipment connected with the audio/video cable.	68 – 74
	• The setting of output sound format is incorrect.	• Select the proper audio setting.	38, 56 59
The playback picture has occasional distortion.	• The disc is dirty.	• Eject the disc and clean it.	10
	• Player is in fast forward or fast reverse mode.	• Sometimes a small amount of picture distortion may appear. This is not a malfunction.	–
	• The main unit was moved or given a shock.	• Vibrating or shaking the unit during playback may produce distortion. This is not a malfunction. If not restored to usual status, stop playback and start again.	–
	• The disc is not set firmly.	• Remove the disc and set it again.	22
Brightness is unstable or noises are present in the playback pictures.	• The effect of copy protection.	• Connect the player directly to the TV. Avoid connecting the player to a VCR or TV/VCR combination.	68
The player does not start playback.	• No disc is inserted.	• Insert a disc.	22
	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type and color system.)	12
	• The disc is inserted upside down.	• Insert the disc with the playback side down.	22
	• The disc is not inserted securely.	• Insert the disc securely in the disc holder.	22
	• The disc is dirty.	• Clean the disc.	10
	• The parental lock function is set.	• Cancel the parental lock function or change the parental lock level.	62
Playback does not follow the course of the disc's program.	• It is in the repeat playback mode, memory playback, etc.	• These operations may prevent a proper progression of the contents.	–
Buttons do not work.	• Power supply fluctuations or other abnormalities such as static electricity may interrupt correct operation.	• Turn the power on or off with the POWER button. Or disconnect the power plug and insert it into the wall outlet again.	–
The remote control does not work properly.	• The remote control is not pointed at the remote sensor of the player.	• Point the remote control at the remote sensor of the player.	19
	• The remote control is too far from the player.	• Operate the remote control within about 3 m.	19
	• The batteries in the remote control are exhausted.	• Replace the batteries with new ones.	19

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Player / Connectors / Liquid crystal display / Supplied accessories

Player

Power supply	DC 12 V (Rated current : 2 A) 120 V AC, 60 Hz (with the supplied AC adapter)
Mass	870 g
External dimensions	217.3 × 35.1 × 163.8 mm (W/H/D)
Signal system	Standard NTSC
Laser	Semiconductor laser, wavelength 650 nm / 795 nm
Frequency range	DVD linear sound : 48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 44 kHz 192 kHz sampling 4 Hz to 88 kHz
Operating conditions	Temperature: 5 °C to 35 °C, Operation status: Horizontal

Connectors

Video output (AV OUT)	1.0 V (p-p), 75 Ω, negative sync., Ø3.5mm mini jack × 1
S video output (S VIDEO)	(Y) 1.0 V (p-p), 75 Ω, negative sync., Mini DIN 4-pin × 1 (C) 0.286 V (p-p), 75 Ω
Component video output (COMPONENT VIDEO)	D connector 14-pin, 2 lines, 1.27 mm pitch (Y): 1.0 V (p-p), 75 Ω, (C_B • C_R): 0.7 V (p-p), 75 Ω
Audio output (BITSTREAM/PCM)	Optical/coaxial connector (Ø3.5mm) × 1
Audio output (AV OUT)	1.5 V (rms), 220 Ω, Ø3.5mm mini jack × 1
Video input (AV IN)	1.0 V (p-p), 75 Ω, negative sync., Ø3.5mm mini jack × 1
Audio input (AV IN)	2.0 V (rms), Ø3.5mm mini jack × 1
Headphone terminal	Ø3.5mm stereo mini jack × 2

Liquid crystal display

Panel size	8.9 inches
Projection system	TN color transmission
Driving system	Poly silicon TFT active matrix
Resolution	1024 × 600 (effective pixel rate : more than 99.99%)

Supplied accessories

Audio/video cable 1
Remote control (MEDR04AX) 1
Coin-shaped battery (CR2025) 1
AC adapter (UA2035) 1
Battery pack (MEDB02SX) 1
Component video cable 1
Power cord 1

• Designs and specifications are subject to change without notice.

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LIMITED WARRANTY PORTABLE DVD PLAYER

Toshiba America Consumer Products, Inc. (“TACP”) and Toshiba Hawaii, Inc. (“THI”) make the following limited warranties. These limited warranties extend to original consumer purchaser or any person receiving this set as a gift from the original consumer 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.

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 repair or 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.

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.

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 Continental 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 lighting 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) Physically damaged DVD Units are not acceptable for repair or exchange whether in or out of warranty and will be returned as received.

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How to Obtain Service

(1) Refer to the troubleshooting guide in your owner's manual. This checklist may solve your problem or check our web site at **WWW.TOSHIBA.COM/TACP**.
(2) 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 United States contact:
Toshiba America Consumer Products Inc.

(800)-631-3811

In Hawaii contact:
Toshiba Hawaii, Inc.
327 Kamakee St
Honolulu, HI 96814
(808)-521-5377

In Canada contact:
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191 McNabb St
Markham, Ontario L3R 8H2
(905)-470-5400

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

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18050 Trans Canada Highway
Kirkland, Quebec
H9J 4A1
(514)-390-7766

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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: (Toshiba Canada "TCL")
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.

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.

Products purchased in the U.S.A. and used in Canada are not covered by these warranties.

Products purchased in Canada and used in the U.S.A. are not covered by these warranties.

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