HITACHI

Inspire the Next

DVD PLAYER INSTRUCTION MANUAL

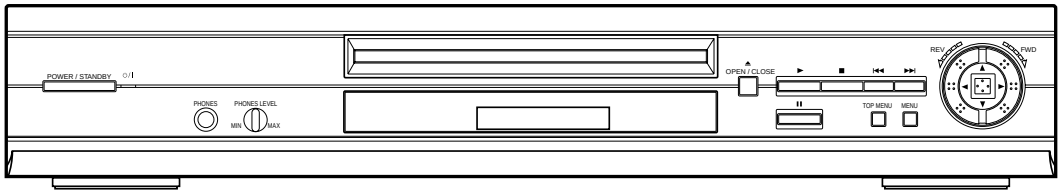
English

Français

Español

MODEL

DV-P725U



INSTRUCTIONS EN FRANÇAIS INCLUS.

INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

Instruction manual

To obtain the best performance and ensure years of trouble-free use, please read this instruction manual completely.

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

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

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

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION: INSIDE, NEAR THE DECK MECHANISM.

FCC WARNING- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

RADIO-TV INTERFERENCE

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:

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

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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

ATTENTION: POUR ÉVITER LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

IMPORTANT SAFEGUARDS

English

1) Read Instructions - All the safety and operating instructions should be read before the product is operated.
2) Retain Instructions - The safety and operating instructions should be retained for future reference.
3) Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
4) Follow Instructions - All operating and use instructions should be followed.
5) Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6) Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7) 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.
8) 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.

PORTABLE CART WARNING
(Symbol provided by RETAC)

S3125A

9) 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.
10) 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.
11) Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12) Grounding or Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13) 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.
14) Lightning - For added protection for this product during a lightning 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.
15) Power lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
16) Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17) Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
18) 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.
19) Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way.
    f) When the product exhibits a distinct change in performance - this indicates a need for service.
20) Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
21) Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
22) Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

A NOTE ABOUT RECYCLING

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

The serial number of this product may be found on the back of the DVD player. No others have the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft. Serial numbers are not kept on file.

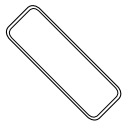
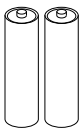
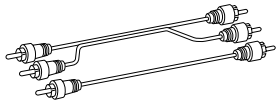
Date of Purchase	
Dealer Purchase from	
Dealer Address	
Dealer Phone No.	
Model No.	
Serial No.	

ABOUT COPYRIGHT

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.

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.

SUPPLIED ACCESSORIES

Remote control	Two AA batteries	A/V cables
 TS16901 (DV-RM420)		 (approx. 3 feet (100 cm) long) (TE14751)

SYMBOLS USED IN THIS MANUAL

The following symbols appear below in some headings and notes in this manual, with the following meanings!

DVD
: Description refers to playback of DVD video discs.

CD
: Description refers to playback of audio CDs.

MP3
: Description refers to playback of MP3 discs.

VCD
: Description refers to playback of video CDs.

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English

- **Progressive Scan system**
  Unlike conventional interlace scanning, the progressive scan system provides less flickering andimages in higher resolution than that of traditional television signals.
- **Dolby Digital sound**
  This player can handle Dolby Digital surround sound having 5.1 channels when connected to a Dolby Digital decoder.
- **Still/fast/slow/step playback**
  Various playback modes are available including still pictures, fast forward/reverse, slow motion and step frames.
- **Random playback for audio CD and MP3**
  This player can shuffle the order of tracks to play them in random order.
- **Program playback for audio CD and MP3**
  You can program the order of tracks to play them in any desired order.
- **DVD menus in a desired language**
  You can display DVD menus in a desired language, if available on a DVD.
- **Screen saver/Auto power-off functions**
  The screen saver program starts when there is no input from the player for five minutes in the stop mode. When the screen saver program is activated for 30 minutes, the power is automatically turned off.
- **Subtitles in a desired language**
  You can select a desired language for the display subtitles, if that language is available on a disc.
- **Selecting a camera angle**
  You can select the desired camera angle, if a disc contains sequences recorded from different angles.
- **Choices for audio language and sound mode**
  You can select the desired audio language and sound mode, if different languages and modes are available on a disc.
- **Parental lock**
  You can set the control level to limit playback of discs which may not be suitable for children.
- **Automatic detection of discs**
  This player automatically detects if a loaded disc is DVD, audio CD video CD or MP3 on disc.

This unit employs TruSurround system TruSurround by SRS of SRS Labs, Inc. as virtual technology.

TruSurround and the SRS symbol are trademarks of SRS Labs, Inc.
TruSurround technology is incorporated under license from SRS Labs, Inc.

When you play the Video CD with PBC function, you cannot choose a specified track and set Repeat.
To play the Video CD without PBC function, refer to page 15.

- **Playing an MP3 disc**
  You can enjoy MP3 files which are recorded on CD-R/RW.
- **Direct Search**
  You can search the desired title, chapter, and track with numeric button during playback or in stop mode.
- **On-screen display**
  Information about the current operation can be displayed on a TV screen, allowing you to confirm the currently active functions (such as program playback), on the TV screen using the remote control.
- **DTS (Digital Theater System)**
  Sound system different from Dolby Digital sound system.
- **Search**
  Chapter search: Search for the chapter designated by user is possible.
  Title search: Search for the title designated by user is possible.
  Track search: Search for the track designated by user is possible.
  Time search: Search for the time designated by user is possible.
- **Repeat**
  Chapter: Repeated playback of the chapter of the disc being played is possible.
  Title: Repeated playback of the title of the disc being played is possible.
  Track: Repeated playback of the track of the disc being played is possible.
  Disc (audio CD): Repeated playback is possible.
  (video CD): Repeated playback is possible.
  (MP3): Repeated playback is possible.
  A-B: The part between A and B designated by user is possible.
  Album: Repeated playback of the folder of the MP3 disc being played is possible.
- **Zoom**
  2-time and 4-time magnified screen can be displayed.
- **Marker**
  The part designated by user can be called back.
- **Resume Play**
  User can resume to playback from the part at which the play was stopped even if the power turn off.
- **SRS TruSurround**
  You can enjoy stereophonic virtual space on your existing stereo system.
- **Component Video Out Jacks**
  Jacks located on the back of the DVD Player which are used to send high-quality video to a TV via Component Video In Jacks.
- **Dimmer**
  Brightness of the display can be varied.
- **Bit rate indication**
- **DRC (Dynamic range control)**
  You can control the range of sound volume.
- **Shuttle**
  You can adjust the playback speed using the Shuttle Ring (the outer ring).

PLAYABLE DISCS

The following discs can be played back on this DVD player.

Disc Type	Logo	Contents	Disc Size	Maximum Playback Time
DVD Video	DVD VIDEO	Sound and Pictures	12 cm	Approx. 4 h (single-sided)
				Approx. 8 h (double-sided)
	DVD VIDEO		8 cm	Approx. 80 min (single-sided)
				Approx. 160 min (double-sided)
Audio CD	COMPACT disc DIGITAL AUDIO	Sound	12 cm	74 min
			8 cm (singles)	20 min
Video CD	COMPACT disc DIGITAL VIDEO VIDEO CD	Sound and Pictures	12 cm	74 min
			8 cm (singles)	20 min

This player conforms to the NTSC color system. You cannot play discs recorded in other color systems such as PAL or SECAM.

- Some discs include region codes as shown below.

- The number inside the symbol refers to a region of the world, and a disc encoded in a specific region format can only be played back on DVD players with the same region code.

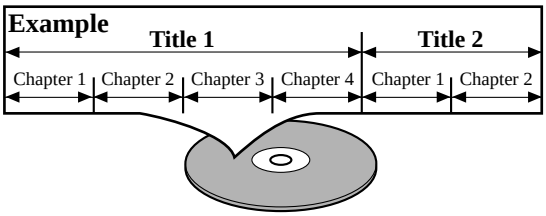
The following discs cannot be played back on this DVD player.

- **DVD with region codes other than 1 or ALL.**
- **DVD-ROM**
- **DVD-RAM (Never play back, otherwise malfunction may result.)**
- **CD-ROM**
- **VSD**
- **CDV (Only plays back the audio part.)**
- **CD-G (Only plays back the audio part.)**
- **CD-R/CD-RW (Only plays back the discs which audio CD and MP3 is recorded.)**
- **CD-I (Never play back, otherwise malfunction may result.)**
- **SACD**
- **Photo CD (Never play back, otherwise malfunction may result.)**
- **Any other discs without compatibility indications**

DISC TYPES

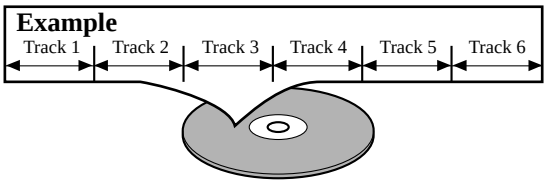
[DVD]

Data on a DVD is divided into sections called "titles", and then into subsections called "chapters", each of which is given a title or chapter number. Playback conditions are preset on some DVD video discs, and these playback conditions take priority over user operations on this player. If a function you selected do not run as desired, refer to the manual accompanying the disc.



[AUDIO CD] [VIDEO CD]

Data on an audio CD or a video CD is divided into sections called “tracks”, each of which is given a track number.



ABOUT THE PBC FUNCTION OF VIDEO CD

This unit conforms to ver.1.1 and ver.2.0 of Video CD standard, with PBC function.

Ver.1.1 (without PBC function): You can enjoy playback picture as well as music CD.

Ver.2.0 (with PBC function): While using a Video CD with PBC function, “PBC” appears on the screen and the display.

> ***What is PBC?*** “PBC” stands for the Playback Control. You can play interactive software using menu screens. Refer to instructions in the Video CD.

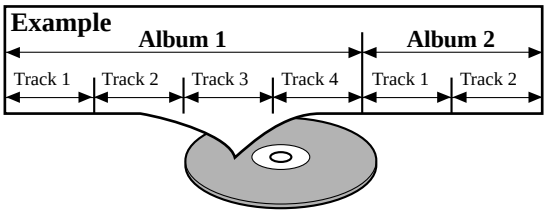
NOTE:

When you play the Video CD with PBC function, you cannot choose a specified track and set Repeat.

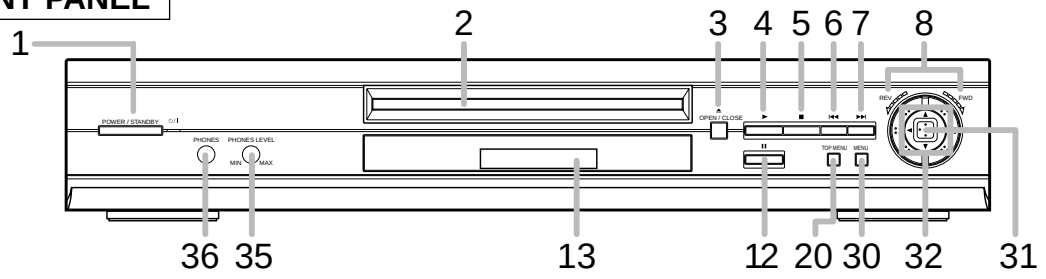
To play the Video CD without PBC function, refer to page 15.

[MP3]

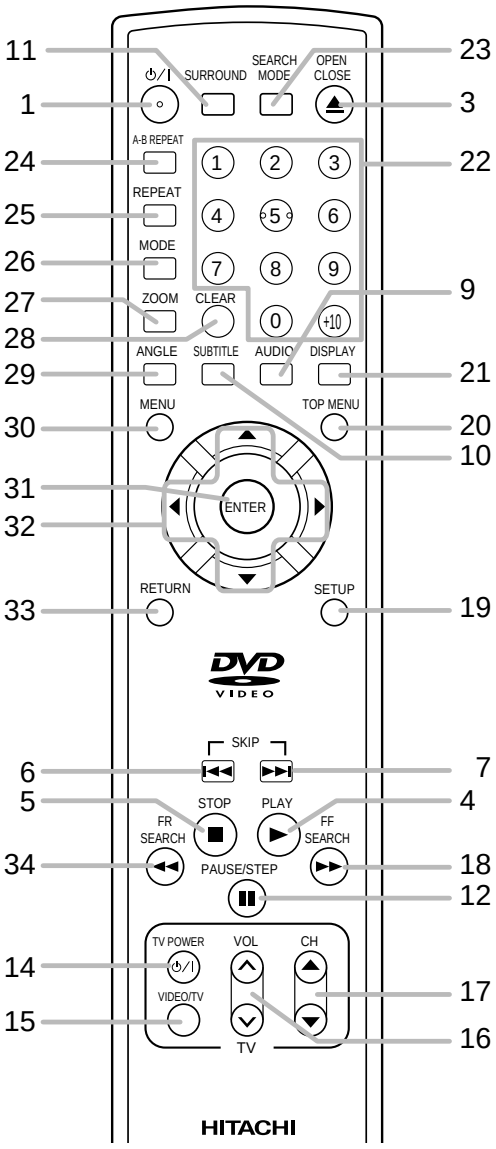
Data on a MP3 is divided into sections called "albums", and then into subsections called "tracks", each of which is given an album or track number.



FRONT PANEL



REMOTE CONTROL



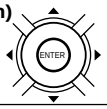
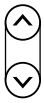
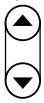
1. ⏻/I **(POWER/STANDBY) Button [page 15]**
2. **Disc loading tray**
3. **OPEN/CLOSE Button [page 15]**
4. **PLAY Button [page 15]**
5. **STOP Button [page 16]**
6. **SKIP DOWN/REV Button [page 17]**
   Plays back from the beginning of the current chapter or track. Hold down to fast reverse playback.
7. **SKIP UP/FWD Button [page 17]**
   Plays back from the beginning of the next chapter or track. Hold down to fast forward playback.
8. **Shuttle Ring (REV/FWD) [page 17]**
   Turn to make rewind or fast forward speed faster in the forward or backward direction in the Play mode or Still mode. The further the Shuttle Ring is rotated, the faster the playback speed.
9. **AUDIO Button [page 22]**
   Press to select a desired audio language or sound mode.
10. **SUBTITLE Button [page 23]**
    Press to select a desired subtitle language.
11. **SURROUND Button [page 24]**
12. **PAUSE/STEP Button [page 16]**
13. **Display, Remote Sensor Window**
14. **TV POWER Button [page 30]**
15. **VIDEO/TV Button [page 30]**
16. **VOL Button [page 30]**
17. **CH Button [page 30]**
18. **FF SEARCH Button [page 17]**
19. **SETUP Button [page 26]**
20. **TOP MENU Button [page 16]**
21. **DISPLAY Button [page 20]**
22. **Numeric Buttons [page 17]**
23. **SEARCH MODE Button [pages 17,18]**
24. **A-B REPEAT Button [page 19]**
25. **REPEAT Button [page 18]**
26. **MODE Button [pages 18,19]**
27. **ZOOM Button[page 20]**
28. **CLEAR Button [page 18]**
29. **ANGLE Button [page 23]**
    Press to change the camera angle to see the sequence being played back from a different angle.
30. **MENU Button [page 15]**
31. **ENTER Button [page 16]**
32. **Arrow Buttons [page 15]**
    Use when making settings while watching the display on a TV screen.
33. **RETURN Button [page 18]**
34. **FR SEARCH Button[page 17]**
35. **PHONES LEVEL (Headphone level control)**
    Adjust the volume by phones level.
36. **PHONES (Headphone jack)**
    To connect headphone (Not supplyed) for personal listening.

Tour of the Remote Control

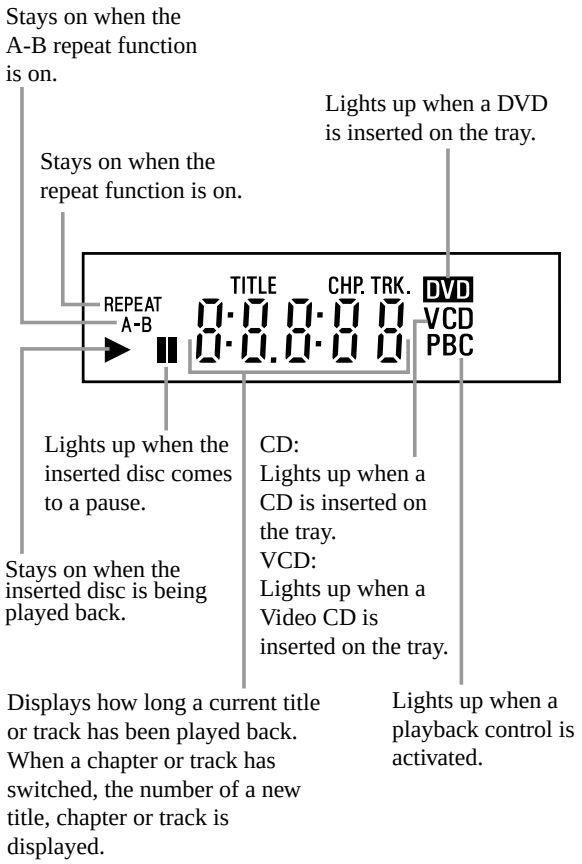
Buttons on remote control work in different ways for DVD, VCD and CD :
Refer to the following table for correct use.

	DVD	VCD	CD
POWER/STANDBY Button	• Turns the player on and off.	• Turns the player on and off.	• Turns the player on and off.
A-B REPEAT Button A-B REPEAT	• Marks a segment to repeat between A and B.	• Marks a segment to repeat between A and B.	• Marks a segment to repeat between A and B.
REPEAT Button REPEAT	• Allows you to repeat play a Title or Chapter.	• Allows you to repeat play a Track or Disc.	• Allows you to repeat play a Track or Disc.
MODE Button MODE	• To set black level on/off.	• To set black level on/off.	• Allows you to program a specific order or random playback.
ZOOM Button ZOOM	• To magnify part of picture (x2/x4)	• To magnify part of picture (x2/x4)	—
ANGLE Button ANGLE	• Accesses various camera angles on a disc.	—	—
SUBTITLE Button SUBTITLE	• Accesses various subtitles on a disc.	—	—
AUDIO Button AUDIO	• Accesses various audio functions on a disc.	• To select STEREO, L-CH or R-CH.	• To select STEREO, L-CH or R-CH.
DISPLAY Button DISPLAY	• Displays the current disc mode.	• Displays the current disc mode.	• Displays the current disc mode.
SURROUND Button SURROUND	• To activate the 3D sound.	—	—
SEARCH MODE Button SEARCH MODE	• To search chapter or time. • To rapidly return to a location of disc.	• To search track or time. • To rapidly return to a location of disc.	• To search track or time. • To rapidly return to a location of disc.
OPEN/CLOSE Button OPEN CLOSE	• To open or close the disc tray.	• To open or close the disc tray.	• To open or close the disc tray.
NUMBER Buttons	• To select chapter directly.	• To select track directly.	• To select track directly, use display function, or input program order.
CLEAR Button CLEAR	• Clear the makers.	• Clear the makers.	• Clear the makers. • Removes status No. in program input.

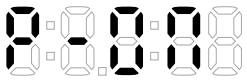
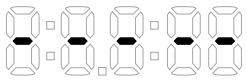
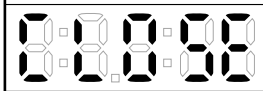
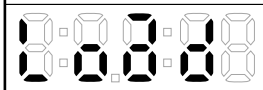
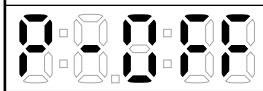
Tour of the Remote Control

	DVD	VCD	CD
MENU Button MENU	• Brings up the Menu on a disc.	—	—
TOP MENU Button TOP MENU	• Brings up the Top Menu on a disc.	—	—
ENTER Button (UP/DOWN or LEFT/RIGHT Button) 	• Moves the cursor and determines its position.	• Moves the cursor and determines its position.	• Moves the cursor and determines its position.
RETURN Button RETURN	• Returns to a previous menu.	• Returns to a previous menu.	—
SETUP Button SETUP	• Brings up the DVD player's Setup menu.	• Brings up the DVD player's Setup menu.	• Brings up the DVD player's Setup menu.
SKIP Buttons SKIP	• To skip Chapters.	• To skip Tracks.	• To skip Tracks.
SEARCH Buttons FR SEARCH FF SEARCH	• Allows you to search forward/backward through a disc (×2. ×8. ×30. ×60) .	• Allows you to search forward/backward through a disc (×2. ×8. ×30) .	• Allows you to search forward/backward through a disc (×16) .
STOP Button STOP	• To stop playback.	• To stop playback.	• To stop playback.
PLAY Button PLAY	• Begin disc play.	• Begin disc play.	• Begin disc play.
PAUSE/STEP Button PAUSE/STEP	• Pause disc play. • Advances playback one frame at a time.	• Pause disc play. • Advances playback one frame at a time.	• Pause disc play.
TV POWER Button TV POWER	• To exclusively control the TV.	• To exclusively control the TV.	• To exclusively control the TV.
VIDEO/TV Button VIDEO/TV	• To exclusively control the TV.	• To exclusively control the TV.	• To exclusively control the TV.
VOL Button VOL  TV	• To exclusively control the TV.	• To exclusively control the TV.	• To exclusively control the TV.
CH Button CH 	• To exclusively control the TV.	• To exclusively control the TV.	• To exclusively control the TV.

DISPLAY

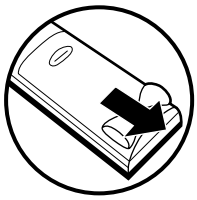


DISPLAYS DURING OPERATION

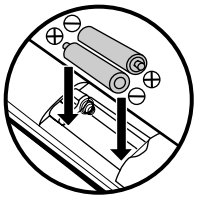
	Power on
	No disc inserted
	Tray open
	Tray closed
	Loading the Disc
	Power off

LOADING THE BATTERIES

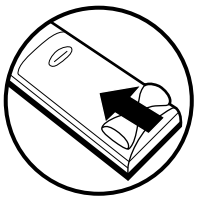
1. Open the battery compartment cover.



2. Insert two AA batteries, with each one oriented correctly.



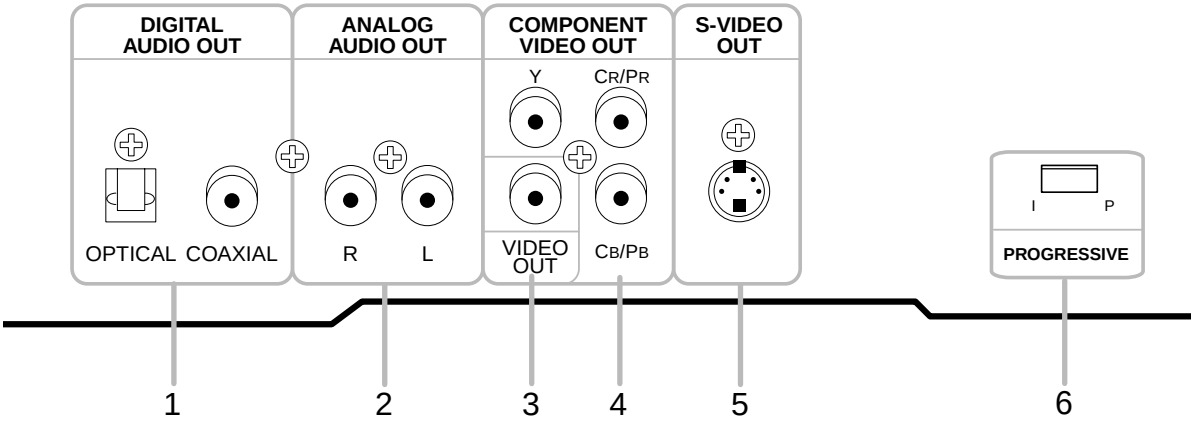
3. Close the cover.



Notes

- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.

DESCRIPTION-REAR PANEL



1. **DIGITAL AUDIO OUT JACKS:**
   Use either an optical or coaxial digital cable to connect to a compatible Dolby Digital receiber. Use to connect to a Dolby Digital decoder or DTS decoder.
2. **ANALOG AUDIO OUT JACKS**
   Connect to the Audio input jacks of A/V-compatible TV or wide screen TV, Stereo system.
3. **VIDEO OUT JACK**
   Use a video cable to connect one of the jack to Video input on your A/V-compatible TV or wide screen TV, Stereo system.
4. **COMPONENT VIDEO OUT JACKS**
   Use these jacks if you have a TV with Component Video in jacks. These jacks provide C_R/P_R, C_B/P_B and Y video. Along with S-Video, Component Video provides the best picture quality.
5. **S-VIDEO OUT JACK**
   Use the S-Video cable to connect this jack to the S-Video jack on your A/V-compatible TV or wide screen TV for a higher quality picture.
6. **PROGRESSIVE switch**

Selecting Progressive Scan (480p or Interlaced 480i) Playback

- If your TV is compatible with progressive scanning (480p), connect the TV to the Component Video Output jacks of the DVD player and set the Progressive switch on the back of the DVD player to "P" . Next, set your TV to the progressive scan mode.

  If your TV is not compatible with progressive scan, keep the Progressive switch to "I" .
- Use a commercially available adaptor if your TV s or monitor s video input jacks are of the BNC type.

What is Progressive Scanning?

- Unlike conventional interlace scanning, the progressive scan system provides less flickering andimages in higher resolution than that of traditional (480i) television signals.

The DCDi (Directional Correlational De-interlacing) system of this DVD player produces smooth and natural video images, even if really dynamic, by eliminating the jagged edges. "DCDi" is a registered trademark of Faroudja, a division of Sage Inc.

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

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

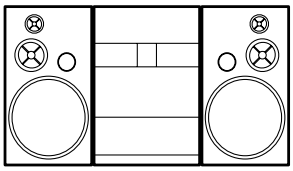
The following show examples of connections commonly used to connect the DVD player either TV and other components.

Notes

- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the Instruction Manuals for your TV, stereo system and any other components to be connected to the DVD player.

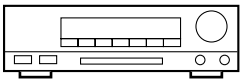
CONNECTION TO AN AUDIO SYSTEM

Method 1



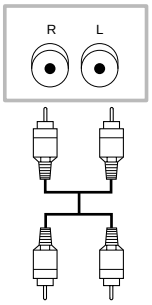
Stereo system

Method 2

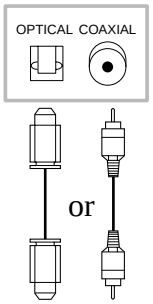


Dolby Digital decoder
DTS decoder

AUDIO **Audio Input Jacks**

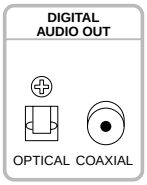


Digital Audio Input Jacks



DVD **Analog Audio Out**

Digital Audio Out



- **Method 1** DVD Player + Stereo system
- **Method 2** DVD Player + Dolby Digital decoder or DTS decoder

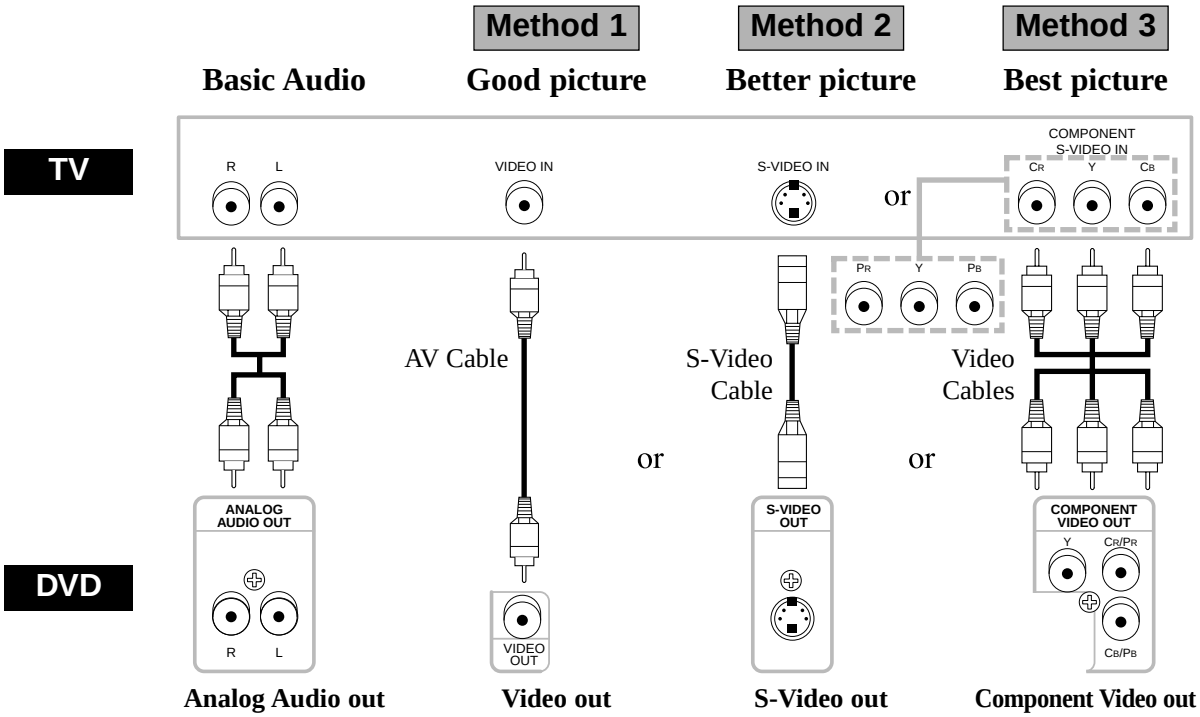
Notes

- If output Dolby Digital audio, connect to a Dolby Digital decoder, and set Dolby Digital to on for audio output in the setup mode.
- If output DTS audio, connect to a DTS decoder, and set DTS to ON for audio output in the setup mode.
- Unless connected to a Dolby Digital decoder, or a DTS decoder, set Dolby Digital or DTS to off for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers.
- The audio source on a disc in a 5.1 channel Dolby Digital surround format cannot be recorded as digital sound by an MD or DAT deck.
- Set Dolby Digital and DTS to off for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers.(See page 27 to set ON for Dolby Digital and DTS)

Optical cable (not supplied)

- Optical cable (not supplied) may be damaged when bent at sharp angles. Ensure cables are coiled in loops with a diameter of 15 cm or more when storing them.
- Use a cable which is 3m or shorter.
- Insert cable plugs firmly into the connectors when making connections.
- If a plug has minor scratches or is dirty, clean it with a soft cloth before inserting it into a connector.

CONNECTION TO A TV (FOR VIDEO)



- **Method 1** DVD Player + TV with Video Input Jack
- **Method 2** DVD Player + TV with S-Video Input Jack
- **Method 3** DVD Player + TV with Component Video Jacks

Notes

- If your TV is compatible with progressive scanning (480p), connect the TV to the Component Video Output jacks of the DVD player, Refer to page 12.
- Connect the DVD player directly to a TV. If the A/V cables are connected to a VCR, pictures may be distorted due to the copy protection system.

HOW TO CONNECT TO A TV WITHOUT AUDIO/VIDEO INPUT JACKS

If your TV does not have RCA type audio and video input jacks it is still possible to connect this DVD player to your TV's 75-ohm coaxial antenna terminal using an optional Stereo Audio/Video RF Modulator, not included. Connect the audio and video outputs of the DVD player to the audio and video inputs on the RF Modulator, and then connect the coaxial output of the RF Modulator (usually marked "TO TV") to the 75 ohm coaxial antenna terminal on your TV. Follow the instruction supplied with the RF Modulator for more details.

If your TV's 75 ohm coaxial antenna terminal is already occupied by an antenna or cable box connection, remove that cable from your TV's antenna terminal and reconnect it to the coaxial antenna input terminal of the RF Modulator (usually marked "ANT IN"), then connect the RF modulator to your TV's antenna terminal as described above.

Note

- The picture quality from DVD discs will not be as good if the DVD player is connected to the TV's antenna terminal through an RF Modulator.

PLAYING A DVD VIDEO OR AN AUDIO CD OR A VIDEO CD

DVD | CD | VCD

Getting started

Turn on the power of the TV, amplifier and any other components which are connected to the DVD player. (Change the input system to suit the DVD player, and check that the sound volume is correct.)

1 Press the POWER/STANDBY button.

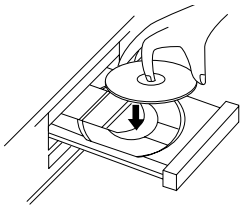
- The power will turn on.

2 Press the OPEN/CLOSE button.

- The disc loading tray will open.

3 Place a disc into the tray.

- Make sure the disc is sitting properly in the correct recess, with the label side up.



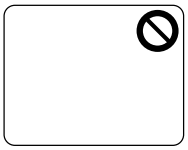
4 Press the PLAY button.

- The tray will close automatically, and playback will then start from the first chapter or the first track of the disc. With some discs, if the tray has been closed by pressing the OPEN/CLOSE button, You need to press the PLAY button to start the disc.
- When you playback the DVD or Video CD which a title menu is recorded, it may appear on the screen. In this case, refer to "USING THE DVD MENUS" or "USING THE TITLE MENU".

5 Press the STOP button to stop play.

Notes

- While the setup menu is shown you can not open or close the tray.
- A "prohibited icon" may appear at the top-right on the TV screen during operation, warning that a prohibited operation has been encountered by the DVD player or the disc.



- If a disc is dirty or has scratches, the pictures may appear distorted and the playback operation may stop. In such cases, clean the disc and unplug the power cord and then plug it again before resuming playback.
- With DVDs that use some titles for playback program signals, playback may start from the second title, or it may skip these titles.
- During the playback of two layered disc, pictures may stop for a moment. This happens when the 1st layer switches to the 2nd layer. This is not a malfunction.
- The operation may vary when you playback DVDs with disc menu or Video CDs with PBC. Refer to the manual accompanying the disc for details.

Cancelling PBC (for playback of a Video CD)

1. Insert a Video CD. (Playback will start automatically.)
2. Press the STOP button.
3. Enter track number of your choice with the numeric buttons.
4. PBC is now cancelled and the playback of the Video

USING THE DVD MENUS

DVD

Some DVDs contain their own menus, such as a guidance menu which describes the contents of the disc or a selection menu for sound, language and other customized settings.

1 Press the MENU button.

- The DVD menu will appear.

2 Select the desired title.

- Press the arrow buttons (▼/▲/►/◄) to change the setting, and then press the ENTER button.

3 Playback will start from the selected title.

USING THE TITLE MENU

DVD

With a DVD containing a title menu, you can select desired titles from the menu.

1 Press the TOP MENU button.

- The title menu will appear.

2 Select the desired title.

- Press the arrow buttons (▼/▲/►/◄) to change the setting, and then press the ENTER button.

CALLING UP A MENU SCREEN DURING PLAYBACK

For DVDs

- Press the MENU button to call up the DVD menu.
- Press the TOP MENU button to call up the title menu.

Note

- Contents of menus and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.

VCD

With a Video CD containing a title menu, you can select desired titles from the menu.

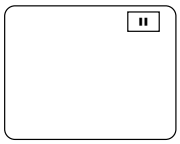
1. The title menu will appear.
2. Press the numeric button to select the menu. Playback will start.

PAUSING PLAYBACK OR DISPLAYING A STILL PICTURE

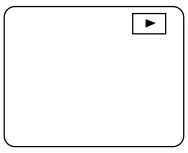
DVD **CD** **VCD**

1 Press the PAUSE/STEP button during playback.

- Playback will pause, with sound muted.



2 Press the PLAY button to resume playback.

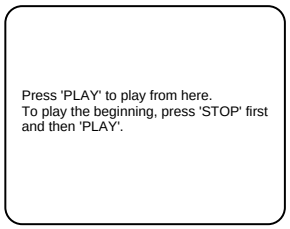


RESUMING PLAYBACK FROM THE POINT WHERE PLAYBACK STOPPED

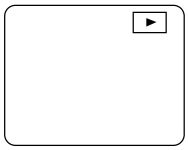
DVD **CD** **VCD**

1 Press the STOP button during playback.

- Playback will stop, and then appear the resuming message at the center.



2 Press the PLAY button. Playback will start from the point where the previous playback session was stopped.



Note

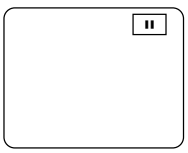
- The resume function can be reset by pressing the STOP button twice or by opening the disc loading tray.
- Some Video CDs with PBC function resume playback from the beginning of the track.

STEPPING THROUGH FRAMES

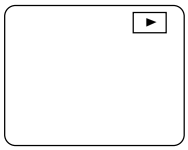
DVD **VCD**

1 Press the PAUSE/STEP button while playback is paused.

- The next picture frame is displayed with sound muted each time the button is pressed.



2 Press the PLAY button to resume playback.



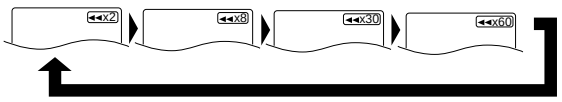
FAST FORWARD/REVERSE

DVD | CD | VCD

1 Press the FF SEARCH ►► or FR SEARCH ◄◄ button during playback.

- For DVDs or Video CDs, pressing the FF SEARCH ►► or FR SEARCH ◄◄ button cycles the playback speed in four steps. In case of DVDs, the sound will mute.
- For audio CDs, the playback speed is ×16 fixed.
- For Video CDs, the playback speed is ×2, ×8 or ×30.

FR SEARCH ◄◄ Button
FF SEARCH ►► Button



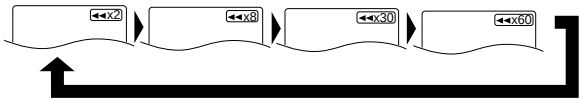
2 Press the PLAY button to return to normal playback speed.

- FAST FORWARD or REVERSE from a TITLE to other TITLEs is not possible.

SHUTTLE FUNCTION (Main Unit)

High speed play back DVD | CD | VCD

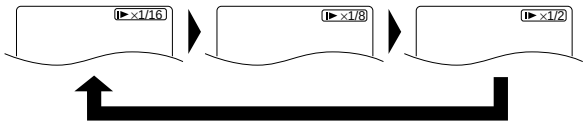
- Turn the Shuttle Ring in either direction during playback. The further the ring is rotated, the faster the playback speed in the forward (FWD) or reverse (REV) direction. Keeping the ring in the rotated position cycles the playback speed every 1.5 seconds.
- For Video CDs, the playback speed is ×2, ×8 or ×30.



For DVDs or VCDs

Slow motion

- Turn the Shuttle Ring in the FWD direction while the playback is paused to activate the slow motion mode. Keeping the ring in the rotated position cycles the playback speed in three steps every 1.5 seconds. (×1/16-×1/8-×1/2)



- You also can activate the slow motion using the remote control.

2 Press the PLAY button to return to normal playback speed.

Notes

- Slow playback is not available with audio CDs.
- The reverse of slow playback is not available.
- Slow playback from a TITLE to other TITLEs is not possible.

STARTING FROM A DESIRED TRACK

CD | VCD

There are 2 ways you can jump to a desired track.

By using only the NUMERIC buttons.

1 Directly enter the desired track number with the numeric buttons when the disc is being played, stopped, or paused.

By using the 'SEARCH MODE' button.

1 Press 'SEARCH MODE' button.

- Track search display will show up.

2 Enter the desired track number with the numeric buttons (If you are entering a single digit number press "0" first).

- In either way, when you finish entering the number, the selected track will start automatically.

Notes

- If you didn't press "0" before entering the single digit number, you have to press 'ENTER' button to go to the desired track.

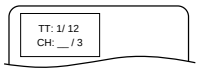
STARTING FROM A DESIRED TITLE OR CHAPTER

DVD

There are 2 ways you can jump to a desired title or a chapter.

By using the 'SEARCH MODE' button.

1 Press 'SEARCH MODE' button.



- Title/Chapter search display will show up.

2 If you wish to perform a title search, select 'TT'. If you wish to perform a chapter search, select 'CH' with ▲/▼ buttons.

3 Enter the desired title or chapter number with the numeric buttons (If you are entering a single digit number press "0" first).

- When you finish entering the number, the selected title or chapter will start automatically.

Notes

- If you didn't press "0" before entering the single digit number, you have to press ENTER to go to the desired title or the chapter.

By using only the NUMERIC buttons.

TITLE SEARCH:

1 Directly enter the desired title number with the numeric buttons when the disc is stopped.

CHAPTER SEARCH:

1 Directly enter the desired chapter number with the numeric buttons when the disc is being played or paused.

- When you finish entering the number, the selected title or chapter will start automatically.

CD | VCD | DVD

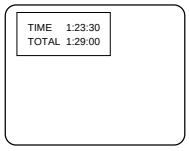
TRICKS WITH THE SKIP BUTTONS (|◀◀, ▶▶|)
If the SKIP button ▶▶| is pressed during playback or while playback is paused, the current track/chapter will be skipped and the next track/chapter will start. When the SKIP button |◀◀ is pressed once, the top of the current track/chapter will be located for replaying. When the SKIP button |◀◀ is pressed again within 2-seconds after playback begins, the previous track/chapter will be located.

STARTING FROM A DESIRED TIME COUNT

DVD | CD | VCD (without PBC Function)

1 Press the SEARCH MODE button twice.

2 Press the numeric buttons to set the desired time count.



- ***Example:*** 1 hour, 23 minutes and 30 seconds
  1 → 2 → 3 → 3 → 0

Notes

- In the case of DVD, Time Search in Title is effective. (But Time Search in Chapter is ineffective.)
- In the case of CD, Time Search in Track is effective. (But Time Search in the entire disc is ineffective.)
- Playback from a desired time count is not available with some discs or if the unit is in stop mode.
- If wrong numbers are entered, press the CLEAR button and re-enter the correct numbers.

MARKER

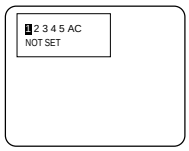
DVD | CD | VCD (without PBC Function)

You can define the part to be called back.

1 Press the SEARCH MODE button three times during playback.

Set the marker

- Using the cursor (◀/▶) button, position the cursor on to the marker number shown as "NOT SET". Press the ENTER button when the screen to be reviewed appears. The marked time will be displayed. Up to 5 points can be marked.



Call back the marker

- Using the cursor (◀/▶) button, position the cursor on to the marker number to be called back and press the ENTER button.

Clear the marker

- Using the cursor (◀/▶) button, position the cursor on to the marker number to be cleared and press the CLEAR button.

To clear all markers, place the cursor on "AC" (All clear markers) and press the ENTER button.

2 Press the SEARCH MODE button or the RETURN button to exit the display.

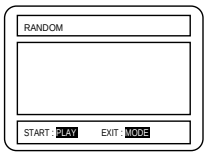
RANDOM (Audio CD)

CD

1 Press the MODE button in stop mode.

- The program setting menu screen will appear.

2 Press the MODE button again.



3 Press the PLAY button.
Random playback will then start.

Note

- Program playback is not available during random playback.

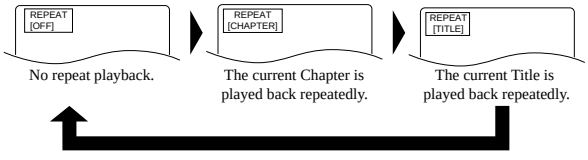
REPEAT

DVD | CD | VCD (without PBC Function)

1 Press the REPEAT button.

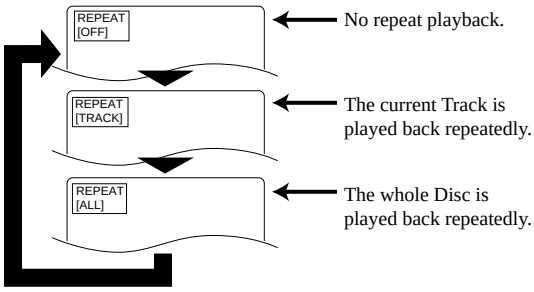
For DVDs

- A single title or chapter is played back repeatedly.
- Pressing the REPEAT button cycles the display on the screen as follows.



For audio CDs or video CDs

- The whole disc or a single track is played back repeatedly.
- Pressing the REPEAT button cycles the display on the screen through **Off, Track** and **All**.



If the REPEAT button is pressed once during program/random playback, the current track is played back repeatedly.

If the REPEAT button is pressed again, the program/random playback is performed repeatedly.

Notes

- Repeat playback is not available with some discs.
- The REPEAT setting will be cleared when moving to other title, chapter or track.
- Repeat playback is not function during A-B repeat playback.
- Repeat playback is not available when you play the Video CD with PBC function.

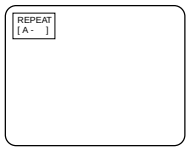
A-B REPEAT

DVD **CD** **VCD**

You can define a section to be played back repeatedly.

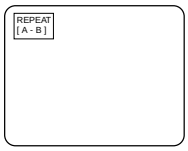
1 **Press the A-B REPEAT button during playback.**

- The starting point (A) will then be selected.

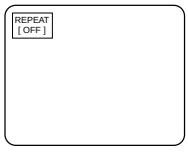


2 **Press the A-B REPEAT button again at the end point (B) of the desired section.**

- The selected section will be played back repeatedly.



3 **To exit A-B repeat playback, press the A-B REPEAT button and set it to OFF.**



Notes

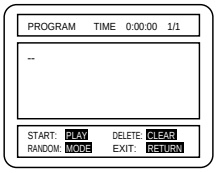
- With DVDs, the A-B repeat section can be set only within the current title.
- With audio CDs, the A-B repeat section can be set within the current track.
- A-B repeat is not available with some scenes in DVD.
- To cancel the A point which was set, press the CLEAR button.
- A-B repeat playback is not functional during title, chapter, track or all repeat playback modes.

PROGRAM (Audio CD)

CD

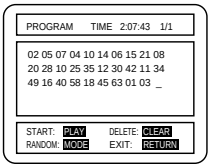
1 **Press the MODE button in stop mode.**

- The program screen will appear.



2 **Press the numeric buttons to enter the desired track numbers.**

- 50 programs can be displayed at once on the screen. Press "▼" to go to the next page.



3 **Press the PLAY button.**

- Playback will start in the programmed order.
- While the program is being played back, the STOP button works as follows.
- Press the STOP button once and then the PLAY button again, playback will restart from the point where the STOP button was pressed. (Program continued)
- Press the STOP button twice and then the PLAY button again, playback will restart from the track in the usual way. (Program cleared)

English

Notes

- Adding programs is not possible during program playback. You must stop the current playback before such operations can be carried out.
- Press the CLEAR button to cancel a program. The most recently entered program will then be deleted.
- Up to 99 programs can be entered.
- Playback from a desired track and random playback are not available during program playback.
- Program settings are cleared when the power is turned off or the disc loading tray is opened.
- Press the MODE button to check the programmed setting.

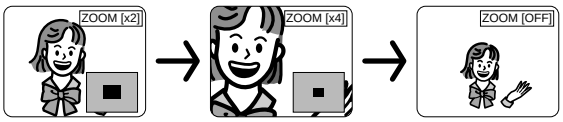
ZOOM PLAYBACK (enlargement onscreen)

DVD **VCD**

Images can be enlarged on the screen to your taste.

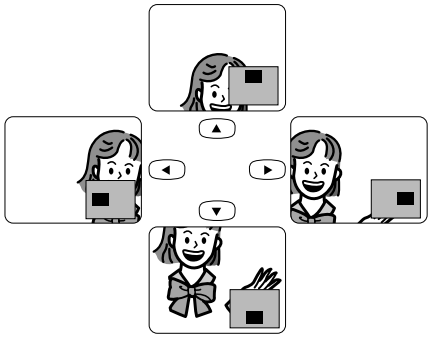
1 **Press the ZOOM button during playback.**

- An image will be enlarged at the center of the screen.
- Pressing the ZOOM button cycles the zooming images in two steps.



2 **When the cursor (▲/▼/◄/►) button is pressed during zoom play, the part to be zoomed moves.**

- The zooming frame can be moved from the center .... 4 steps to the right. 4 steps to the left. 4 steps to the top. 4 steps to the bottom when 2time zooming, and 6steps each when 4 time zooming.
- Current position will be displayed on the right-bottom of the screen. Press the ENTER button, and the display disappears.



Note

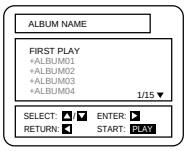
- Zooming function does not work while disc menu is shown.

PLAYING AN MP3 DISC

MP3

1 **Insert an MP3 file-recorded disc.**

- The MP3 menu screen shows up.
- "+" appears at the head of the album name.
- The player can recognizes 255 ALBUMS and TRACKS altogether.



- If all the TRACKS cannot be displayed at once on the screen, "▼" appears to go to the next page. If there is a previous page, "▲" appears onscreen. On the left of "▼", the current page and the total number of pages are displayed.

2 **Press the PLAY button after the following operation.**

[FIRST PLAY]

Select FIRST PLAY with ▲/▼.

[TRACK]

Select the desired TRACK with ▲/▼.

[ALBUM]

Select the desired ALBUM with ▲/▼ and call the TRACKs with ENTER button.

- Press the ENTER or ► button, and the upper hierarchy will be called back.
- Press the TOP MENU or ◄ button, and the top hierarchy will be called back.
- ALBUMS can be played up to the 8th hierarchy.

3 **To stop the play, press the STOP button.**

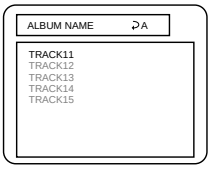
CHANGING THE ONSCREEN DISPLAY DURING MP3 DISC PLAY

MP3

The information on an MP3 disc in play can be checked.

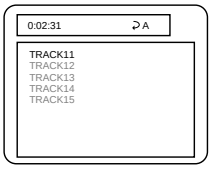
1 Press the DISPLAY button during playback.

- The TRACK currently in play will be highlighted.



2 Press the DISPLAY button again.

- The album name being displayed will be replaced by the elapsed time of the track.
- will be displayed when the repeat play has been selected.
  - A : Album (folder) repeat
  - T : Track repeat
  - D : Disc repeat



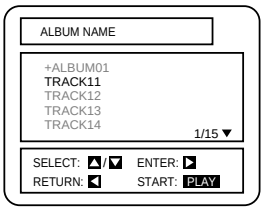
3 Press the DISPLAY button again, and the display screen disappears.

PLAYING AN MP3 DISC FROM A DESIRED TRACK

MP3

1 Press the SEARCH MODE button during playback.

- The SEARCH menu shows up.
- The TRACK currently in play or under RESUME ON will be highlighted. In the case of RESUME OFF, the first track of the disc will be highlighted.
- Press the RETURN button, and the SEARCH menu disappears.



2 Using the ▲/▼ buttons, select a track to be played. Then press the PLAY button to start playing.

Notes

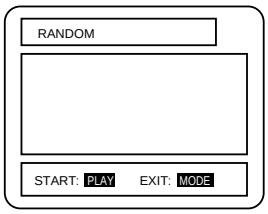
- During play, a desired track can be directly searched. Just type in the TRACK number with the numeric buttons.
- If the typed TRACK number is not available, the "disable" symbol appears and the direct search mode is cancelled.
- Playback cannot be started from a desired time count.

PLAYING AN MP3 DISC AT RANDOM

MP3

1 Press the MODE button twice in STOP mode.

- The program setting menu screen will appear.



2 Press the PLAY button.

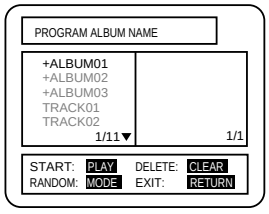
- Random play starts.

PLAYING AN MP3 DISC IN A PROGRAMMED WAY

MP3

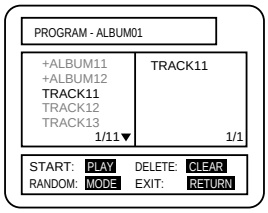
1 Press the MODE button in STOP mode.

- The program screen shows up.



2 Using the ▲/▼ buttons, select a track. Then press the ENTER button to save it in a program.

- When an ALBUM name is highlighted, press the ▶ button, and the next hierarchy shows up.



- Press the ◄ button to go to the next upper hierarchy.
- If the entire program cannot be displayed at once on the screen, "▼" appears to go to the next page.

3 When the disc has been programmed, press the PLAY button.

- Programmed play starts.

Notes

- Press the CLEAR button, and the last-programmed entry will be deleted.
- Press the RETURN button, and the STOP screen will show up with the program contents in memory.
- The program setting will be cancelled when the power is turned off or the disc tray is opened.

SETTINGS

CHANGING THE AUDIO LANGUAGE OR SOUND MODE

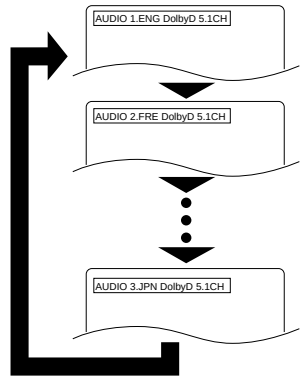
DVD | **CD** | **VCD**

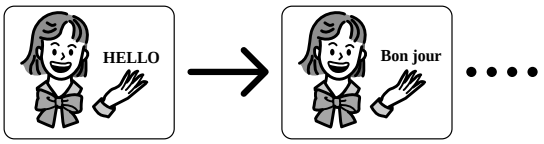
The DVD player has a function which allows you to select the desired audio language and sound mode.

For DVDs

Press the AUDIO button during playback, and then press the AUDIO button to select the desired audio language.

- The audio language can be changed if multiple languages are recorded on the DVD being played.

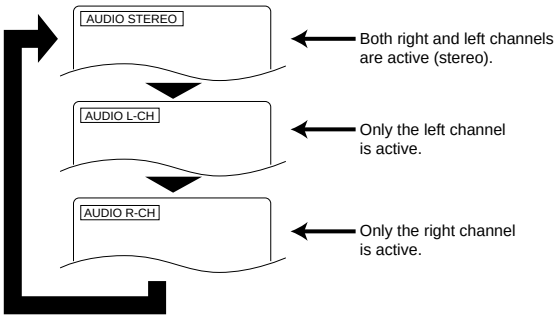




For audio CDs, video CDs

Press the AUDIO button during playback.

- Pressing the AUDIO button cycles the sound mode through STEREO, L-CH and R-CH.



Notes

- Pressing the Audio button may not work on some DVDs with multiple audio languages (e.g. DVDs which allow audio language setting on the disc menu). Operation varies between discs, so refer to the manual accompanying the disc.
- Current audio language and sound mode will be displayed when you press the AUDIO button at first.
- If a desired language is not shown after pressing the Audio button several times, the disc does not have an audio source in that language.
- The audio language resets to the one which has been selected in the setup mode, every time the power is turned on or discs are replaced. If that language is not available on a disc, a language defined by the disc is selected.
- The screen display will disappear after about 5 seconds.
- If you use DIGITAL AUDIO OUT jack, the sound mode of audio CDs and Video CDs can not be changed.

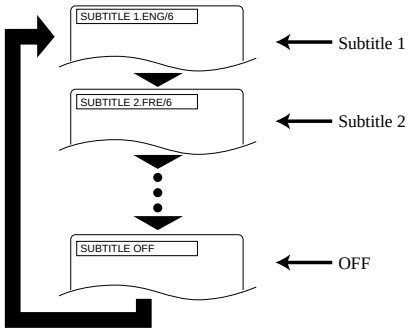
CHANGING THE SUBTITLE LANGUAGE

DVD

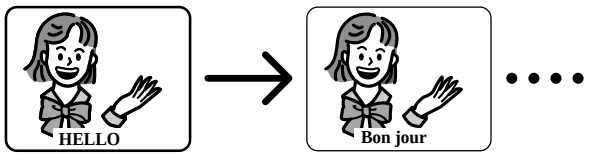
The DVD player has a function which allows you to select the desired language for subtitles.

1 Press the SUBTITLE button during playback, and then press the SUBTITLE button to select the desired subtitle language.

- The subtitle language can be changed if the subtitles are recorded in multiple languages on the DVD being played.
- The subtitle language cannot be changed if the subtitles are recorded in a single language on the DVD being played.



- Pressing the SUBTITLE button cycles the subtitle language from SUBTITLE 1, SUBTITLE 2 and all the languages recorded.
- Current subtitle mode will be displayed when you press the SUBTITLE button at first.
- Press the SUBTITLE button, and then press the cursor (◄/►) button to set it to on or off.



Notes

- Some discs allow subtitle language setting on the disc menu. (Operation varies between discs, so refer to the manual accompanying the disc.)
- If the desired language is not shown after pressing the SUBTITLE button several times, the disc does not have subtitles in that language.
- The subtitle language resets to the one which has been selected in the setup mode, every time the power is turned on or discs are replaced. If that language is not available on a disc, a language defined by the disc is selected.
- It may take time to display the subtitles in the selected language.
- The screen display will disappear after about 5 seconds.
- When "SUBTITLE NOT AVAILABLE" appears onscreen, it means no subtitle is recorded on the scene.

CHANGING THE CAMERA ANGLE (Multi-Angle Pictures)

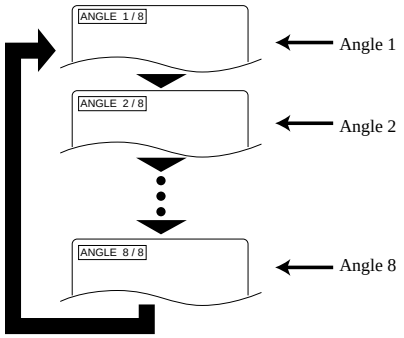
DVD

The DVD player has a function which allows you to select the desired camera angle.

1 Press the ANGLE button during playback.

- If the disc contains sequences recorded from different camera angles, the angle icon ( ) will appear at the top-right of the screen. You can change the camera angle when the icon appears on the screen.
- The camera angle cannot be changed if the disc does not contain sequences recorded from different camera angles.

2 Press the ANGLE button while the angle number is shown on the screen.



Notes

- The screen display will disappear after about 5 seconds.
- Current camera angle will be displayed when you press the ANGLE button at first.

English

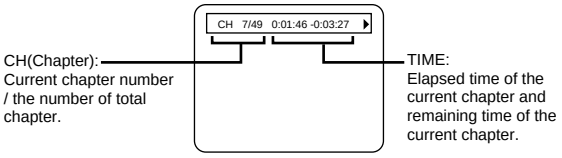
CHANGING THE ON-SCREEN DISPLAY

DVD **CD** **VCD**

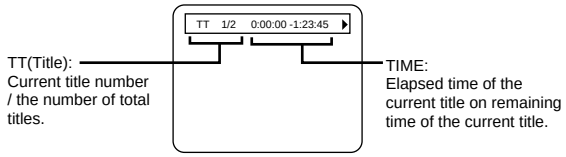
You can check the information about the disc by pressing the DISPLAY button on the remote control.

For DVDs

1 **Press the DISPLAY button during playback.**

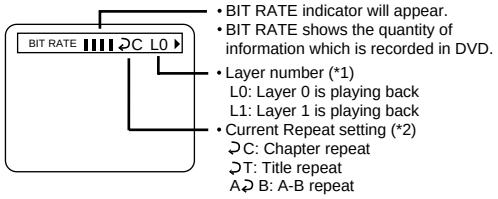


2 **Press the DISPLAY button again.**



- Use the number button to start from a desired chapter.

3 **Press the DISPLAY button again.**



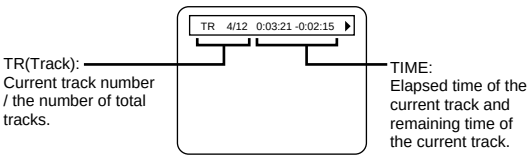
*1) It appears when the layered disc is playing back

*2) It appears when Repeat play back is set.

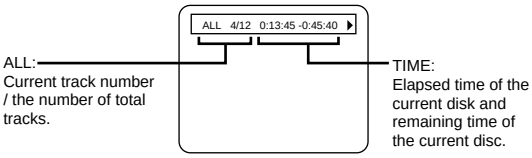
4 **Press the DISPLAY button or the RETURN button to exit the display.**

For audio CDs, video CDs

1 **Press the DISPLAY button during playback.**



2 **Press the DISPLAY button again.**



- Use the number button to start from a desired track.

3 **Press the DISPLAY button to exit the display.**

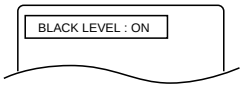
BLACK LEVEL SETTINGS

DVD **VCD**

You can set to make the black parts of the picture brighter.

1 **Press the MODE button during playback.**

- The setup screen will appear.



2 **Press the ENTER button to set it on or off.**

- ON : It makes the dark parts brighter.(Default : ON)
  OFF : Original picture which is recorded on the disc will be shown.
- Press the RETURN button to exit the display.

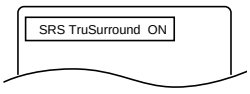
TRUSURROUND SETTINGS

DVD

You can enjoy stereophonic sound system when you playback Dolby Digital and PCM 48kHz sound.

1 **Press the SURROUND button during playback.**
or
Press the MODE button twice.

- The setup screen will appear.



2 **Press the SURROUND button to turn it on or off.**
or
Press the ENTER button.

ON : TruSurround on (Default : OFF)

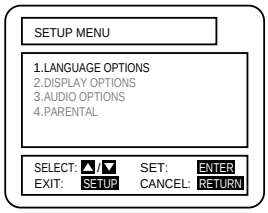
OFF : TruSurround off

- Press the RETURN button to exit the display.

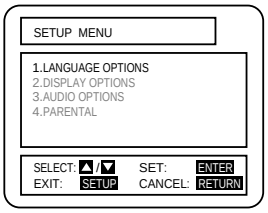
LANGUAGE SETTINGS

1 Press the SETUP button in STOP mode.

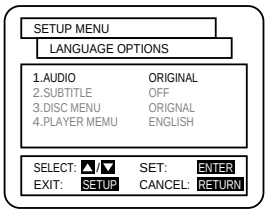
- The setup screen will appear.



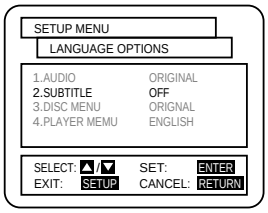
2 Press the ▲/▼ buttons to select Language, and then press the ENTER button.



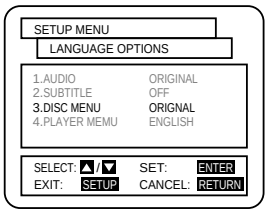
3 Press the ▲/▼ buttons to select an item, and then press the ENTER button.



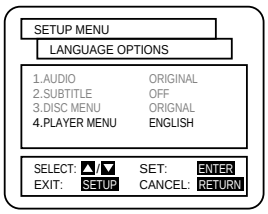
AUDIO:
(Voice is played back in selected language.)



SUBTITLE:
(Subtitles are shown in selected language.)



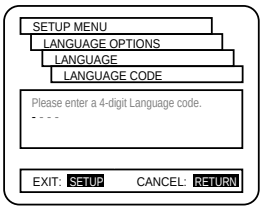
DISC MENU:
(The disc menu appears in selected language.)



PLAYER MENU:
(The on-screen display appears in selected language.)

4 Press the ▲/▼ buttons to select a desired item, and then press the ENTER button.

- If Other is selected on the Audio, Subtitle or Disc Menu setting screen, the Language Code setting screen will appear. Press the numeric buttons to enter the desired language code while referring to the list on page 29.



5 Press the SETUP button.

- The setup mode will be canceled and the ordinary screen will appear.

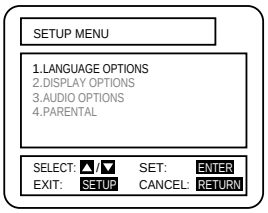
Notes

- Be sure to press the SETUP button, or the setting will not work.
- Language Setting for Audio and Subtitle is not available with some discs. Then use the Audio and Subtitle button. Details are on pages 22 and 23.
- You can also select the item by pressing the numbers which displayed with the item.
- When you change the setup items, press the STOP button if you are in playback mode.
- While the setup menu is shown you can not open or close the tray.

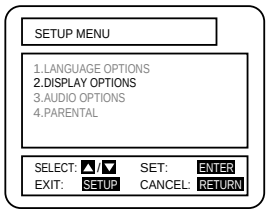
DISPLAY SETTINGS

1 Press the SETUP button in STOP mode.

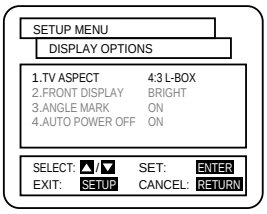
- The setup screen will appear.



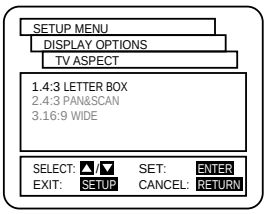
2 Press the ▲/▼ buttons to select DISPLAY and then press the ENTER button.

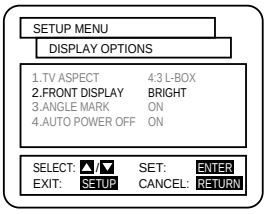


3 Press the ▲/▼ buttons to select an item, and then press the ENTER button.

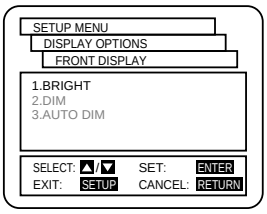


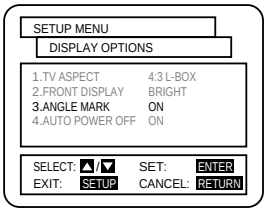
TV ASPECT
(Default : LETTER BOX)
4:3 L-BOX: Wide screen with black bars on top and bottom
4:3 PAN&SCAN : Full height picture, trimmed both sides
16:9 WIDE : If wide screen TV is connected



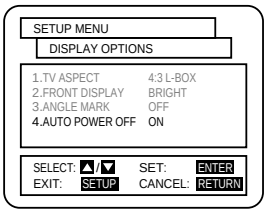


FRONT DISPLAY (Default : BRIGHT)
Adjust the brightness of the display of the unit.
AUTO DIM: Stays dim only during playback.





ANGLE MARK (Default : ON)
Display or not display the Angle icon on the screen.



AUTO POWER OFF (Default : ON)
Set or not set to turn off after the screen saver is started and no keys are pressed for 35 minutes.

4 Press the ▲/▼ buttons to select a desired item, and then press the ENTER button.

5 Press the SETUP button.

- The setup mode will be canceled and the ordinary screen will appear.

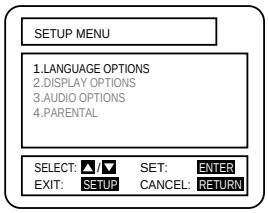
Notes

- Be sure to press the SETUP button, or the setting will not work.
- You can also choose the item by pressing the numbers.
- While the setup menu is shown you can not open or close the tray.

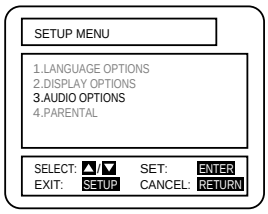
AUDIO SETTINGS

1 Press the SETUP button in STOP mode.

- The setup screen will appear.



2 Press the ▲/▼ buttons to select Audio and then press the ENTER button.

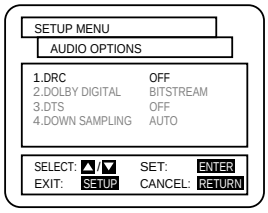


3 Press the ▲/▼ buttons to select an item, and then press the ENTER button.

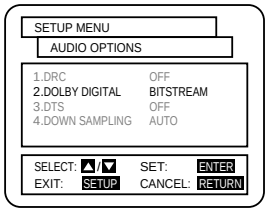
DRC (Default : OFF)

On : DRC
(Dynamic Range Control)

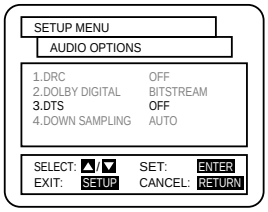
- This function is for controlling the range of sound volume. By compressing the range of sound volume, it is possible not only to suppress the output of loud sound at night and but also to raise the volume of low sound.
- This function is effective only for the sound recorded by Dolby Digital recording.



Dolby Digital (default : BITSTREAM)
BITSTREAM : Output by Dolby Digital
Set to BITSTREAM when the unit is connected to Dolby Digital Decoder. To turn off Dolby Digital, set at PCM.

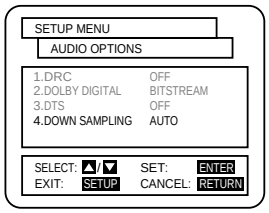


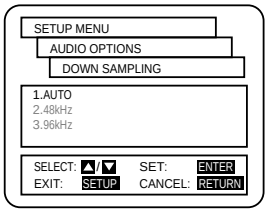
DTS (Default : OFF)
BITSTREAM : Output DTS sound
Set to BITSTREAM when the unit is connected to DTS Decoder.



DOWN SAMPLING (Default : AUTO)
Set the output for the DVD recorded in PCM 96kHz (96kHz or 48kHz, or AUTO)

- Press the ▲/▼ buttons to select an item, and then press the ENTER button.





When playing a disc with copyright protection

- If you select 96KHz, copyright protection will be activated and no sound will come out. If you select AUTO, sound will be down sampled at 48KHz.

4 Press the SETUP button.

- The setup mode will be canceled and the ordinary screen will appear.

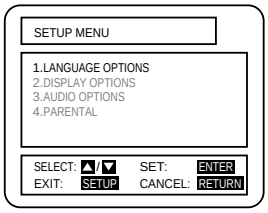
Note

- While the setup menu is shown you can not open or close the tray.

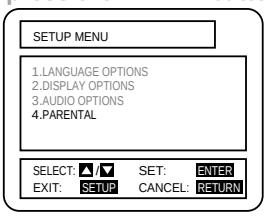
PARENTAL LOCK

1 Press the SETUP button in STOP mode.

- The setup screen will appear.

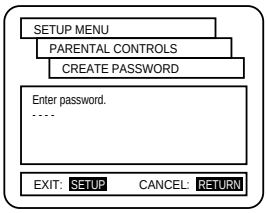


2 Press the ▲/▼ buttons to select PARENTAL, and then press the ENTER button.



3 Press the numeric buttons to enter the 4-digit password, and then press the ENTER button.

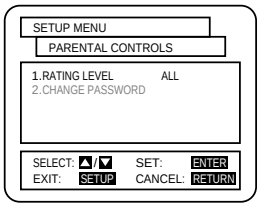
- When doing this for the first time, enter any 4 digits. (except for 4737) That number will be used as the password from the second time onward.
- By entering the password, you can then change the control level and password settings.
- When change is selected, press the numeric buttons to enter the 4 digits password. Then press the ENTER button.

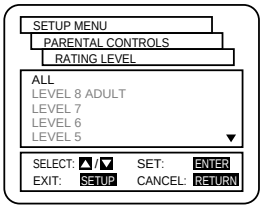


4 Press the ▲/▼ buttons to select an item, and then press the ENTER button.

When Parental Level is selected

- Press the ▲/▼ buttons to select an item from ALL or 8 to 1, and then press the ENTER button.





5 Press the SETUP button.

- The setup mode will be canceled and the ordinary screen will appear.

CONTROL LEVELS

- **ALL**
  All parental lock is cancelled.
- **Level 8 ADULT**
  DVD software of any grade (adult/general/children) can be played back.
- **Levels 7 to 2**
  Only DVD software intended for general use and children can be played back.
- **Level 1 KIDS SAFE**
  Only DVD software intended for children can be played back, with those intended for adult and general use prohibited.

Notes

- With some DVDs, it may be difficult to find if they are compatible with parental lock. Be sure to check if the parental lock function operates in the way that you have set.
- Record the password in case you forget it.
- While the setup menu is shown you can not open or close the tray.

IF YOU FORGET THE PASSWORD

1) Press the 4, 7, 3, 7 at step 3.

- Password will be cleared and parental level will be set to ALL.

2) Proceed the above steps 3-5 again.

LANGUAGE CODE LIST

English

No.	Language	Country code
1	Afar	4747
2	Abkhazian	4748
3	Afrikaans	4752
4	Amharic	4759
5	Arabic	4764
6	Assamese	4765
7	Aymara	4771
8	Azerbaijani	4772
9	Bashkir	4847
10	Byelorussian	4851
11	Bulgarian	4853
12	Bihari	4854
13	Bislama	4855
14	Bengali;Bangla	4860
15	Tibetan	4861
16	Breton	4864
17	Catalan	4947
18	Corsican	4961
19	Czech	4965
20	Welsh	4971
21	Danish	5047
22	German	5051
23	Bhutani	5072
24	Greek	5158
25	English	5160
26	Esperanto	5161
27	Spanish	5165
28	Estonian	5166
29	Basque	5167
30	Persian	5247
31	Finnish	5255
32	Fiji	5256
33	Faroese	5261
34	French	5264
35	Frisian	5271
36	Irish	5347
37	Scots Gaelic	5350
38	Galician	5358
39	Guarani	5360
40	Gujarati	5367
41	Hausa	5447
42	Hindi	5455
43	Croatian	5464
44	Hungarian	5467
45	Armenian	5471
46	Interlingua	5547
47	Interlingue	5551
48	Inupiak	5557
49	Indonesian	5560
50	Icelandic	5565
51	Italian	5566
52	Hebrew	5569
53	Japanese	5647
54	Yiddish	5655
55	Javanese	5669
56	Georgian	5747
57	Kazakh	5757
58	Greenlandic	5758
59	Cambodian	5759
60	Kannada	5760
61	Korean	5761
62	Kashmiri	5765
63	Kurdish	5767
64	Kirghiz	5771
65	Latin	5847
66	Lingala	5860
67	Laothian	5861
68	Lithuanian	5866

No.	Language	Country code
69	Latvian;Lettish	5868
70	Malagasy	5953
71	Maori	5955
72	Macedonian	5957
73	Malayalam	5958
74	Mongolian	5960
75	Moldavian	5961
76	Marathi	5964
77	Malay	5965
78	Maltese	5966
79	Burmese	5971
80	Nauru	6047
81	Nepali	6051
82	Dutch	6058
83	Norwegian	6061
84	Occitan	6149
85	(Afan)Oromo	6159
86	Oriya	6164
87	Panjabi	6247
88	Polish	6258
89	Pashto;Pushto	6265
90	Portuguese	6266
91	Quechua	6367
92	Rhaeto-Romance	6459
93	Kirundi	6460
94	Romanian	6461
95	Russian	6467
96	Kinyarwanda	6469
97	Sanskrit	6547
98	Sindhi	6550
99	Sangho	6553
100	Serbo-Croatian	6554
101	Singhalese	6555
102	Slovak	6557
103	Slovenian	6558
104	Samoan	6559
105	Shona	6560
106	Somali	6561
107	Albanian	6563
108	Serbian	6564
109	Siswat	6565
110	Sesotho	6566
111	Sundanese	6567
112	Swedish	6568
113	Swahili	6569
114	Tamil	6647
115	Telugu	6651
116	Tajik	6653
117	Thai	6654
118	Tigrinya	6655
119	Turkmen	6657
120	Tagalog	6658
121	Setswana	6660
122	Tonga	6661
123	Turkish	6664
124	Tsonga	6665
125	Tatar	6666
126	Twi	6669
127	Ukrainian	6757
128	Urdu	6764
129	Uzbek	6772
130	Vietnamese	6855
131	Volapuk	6861
132	Wolof	6961
133	Xhosa	7054
134	Yoruba	7161
135	Chinese	7254
136	Zulu	7267

PROGRAMMING THE REMOTE CONTROL OF THE TV

1 Turn off the TV.

2 Program the remote control

Aim the DVD's remote control at your TV set. Hold down the TV POWER button while you press the number corresponding to your brand of television as shown in the chart.

For example; If you have a Hitachi television, press the TV POWER and 1 at the same time. If this button combination sends a signal that matches with your TV, the TV will turn on, and you'll know the remote is set to control the television.

NOTES:

- If that button combination does not change the TV channel, go through the whole list of button combinations one by one until you find one that does change your TV channel.
- Also, if your brand of TV is not listed in the chart, try all the number buttons. One of them may work for you.
- If the TV channel still doesn't change after going through all the button combinations listed, it is likely that you will not be able to program this remote control for your TV.

TV Brands	Press the TV and This Number
HITACHI	1
SONY	2
RCA	3
SANYO	4
ZENITH	5
PANASONIC1	6
PANASONIC2	7
SHARP1	8
SHARP2	9
TOSHIBA	0
JVC	CLEAR
MITUBISHI	+10
MAGNAVOX	SUBTITLE
FUNAI	AUDIO
GOLDSTAR	DISPLAY

CONTROLLING THE TV

Once programmed, the DVD's remote control is ready to control the TV.

NOTE: Be aware that not all of your TV's functions may work even though the remote control is correctly programmed.

To operate the TV

- You can turn on your TV by pressing the TV POWER button.
- You can change the channels with the CH (▲) or CH (▼) button and the volumes with VOL (∧) or VOL (∨) button for the TV.

To operate the DVD

Press the VIDEO/TV button to operate your DVD with the remote.

TROUBLESHOOTING GUIDE

If the DVD player does not perform properly when operated as instructed in this Instruction Manual, check the player by consulting the following checklist.

Symptom	Cause	Remedy
No power	● Loose power plug.	● Insert the power plug firmly into the wall outlet.
The player does not respond to the remote control.	● The remote control is not aimed at the sensor on the player. ● Obstacles present between the remote control and the sensor. ● The remote control is too far away from the player. ● Dead batteries.	● Aim the remote control directly at the sensor on the player. ● Remove the obstacles from the signal path. ● Use the remote control within 7m of the player. ● Replace the batteries.
No picture	● Loose video connection. ● Wrong disc. ● Setting of the progressive switch is incorrect.	● Connect the video cables firmly. ● Insert a correct video disc that plays on this player. ● Set the progressive switch correctly according to your TV system.
Disc cannot be played	● No disc. ● Dirty disc. ● Disc is placed upside down. ● Parental lock is active.	● Insert a disc. ● Clean the disc. ● Place the disc correctly, with the label side up. ● Cancel the parental lock or change the control level.
No sound	● Loose audio connection. ● The power of the connected audio component is off. ● Wrong audio output settings. ● Wrong input settings on the connected audio component.	● Connect the audio cables firmly. ● Turn the power of the audio component on. ● Correct the audio output settings. ● Correct the input settings on the audio component.
Distorted picture	● Copy protection is active. ● Immediately after playing, press fast forward or in reverse. ● The 1st layer is switching to the 2nd layer, when playing a two layered disc.	● Connect the player directly to the TV. ● There are some cases where pictures may be slightly distorted, which are not a sign of a malfunction. ● Although Pictures may stop for a moment, this is not a malfunction.
Audio or subtitle language does not match the setup.	● The selected language is not available for audio or subtitles on the DVD.	● No malfunction.
The camera angle cannot be changed.	● The DVD does not contain sequences recorded from different camera angles.	● No malfunction.
Audio or subtitle language cannot be changed.	● The DVD does not contain audio source or subtitles in the selected language.	● No malfunction.
“Prohibited icon” appears on the screen, prohibiting an operation.	● That operation is prohibited by the player or disc.	● No malfunction.
The tray cannot be open or close.	● The setup menu is displayed.	● Cancel the setup mode.

Notes

Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Instruction Manual for details on correct operations.

● Playback from a desired track and random playback are not available during program playback.

SERVICING

Should your DVD player become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power cord, and please call our help line at 1-800-448-2244, to locate an Authorized Service Center.

CABINET CLEANING

- Wipe the front panel and other exterior surfaces of the DVD player with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the DVD player. Such chemicals may cause damage and discoloration to the exposed surfaces.

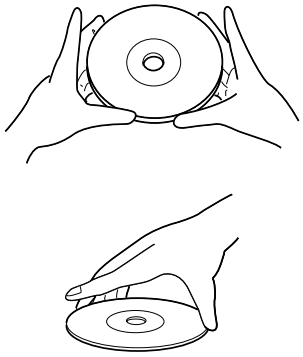
IF THE LASER OPTICAL PICKUP UNIT IS DIRTY

- If the player still does not perform properly when it is operated while referring to the relevant sections and to "TROUBLESHOOTING GUIDE" in this Instruction Manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup

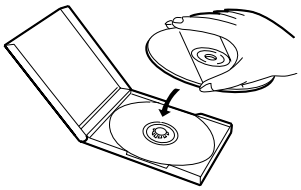
DISC HANDLING

- Use discs which have the following logos on them. (Optical audio digital discs.)

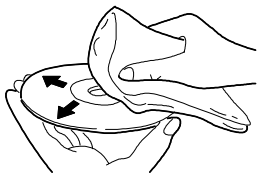
- Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.



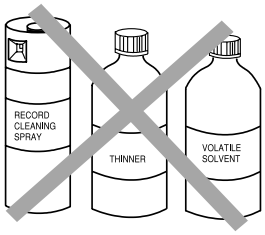
- Always store the disc in its protective case when it is not used.



- To clean-off, use a soft cloth.
- Do not use a hard cloth since this will mar the disc.
- Wipe the disc in a straight line from center to edge.
- Never wipe with a circular motion.



- Do not use detergent or abrasive cleaning agents.



English

Product type :	DVD Player
Discs :	DVD video
	Audio CD
	Video CD
Output signal format :	NTSC color
Frequency response	
DVD (linear sound) :	20 Hz to 22 kHz (sample rate: 48 kHz)
	20 Hz to 44 kHz (sample rate: 96 kHz)
CD :	20 Hz to 20 kHz
Signal-to-noise ratio (S/N ratio)	
CD :	110 dB (EIAJ)
Dynamic range	
DVD (linear sound) :	95 dB
CD :	94 dB (EIAJ)
Total distortion factor	
CD :	0.005% (EIAJ)
Wow and flutter :	Below the measurement limitation (+/-0.001% W PEAK) (EIAJ)
Connections	
S-Video output :	Mini DIN 4-pin jack (75 ohm)
Video output :	One RCA connector, 1 Vpp (75 ohm)
Coaxial digital audio output :	One pin jack, 500mVpp (75 ohm)
Analog audio output :	Two RCA connectors (one left channel, one right channel) 2 Vrms (47 kilo-ohm)
Component video output :	One pin jack (Y), 1 Vpp (75 ohm) Two pin jacks (C_B/P_B)/(C_R/P_R), 700mVpp (75 ohm)
Optical digital audio output :	Optical connector
Power source :	120 V AC +/- 10%, 60 Hz +/- 0.5%
Power consumption :	14 W (standby: 2.2W)
Operating temperature :	5°C to 40°C
Dimensions :	W 17-1/8” (435mm)
	H 2-15/16” (75mm)
	D 8-1/2” (216mm)
Weight :	4.63 lbs (2.1kg)

- **Designs and specifications are subject to change without notice.**
- **If there is a discrepancy between languages, the default language will be English.**

MEMO

HITACHI

To locate an authorized HITACHI service facility in the continental U.S.A

DIAL TOLL FREE
7 days a week,24 hours a day

800 HITACHI

1-800-448-2244

Hitachi has made every effort to assure you hours of trouble free operation from your unit . However , should you require service , a network of Hitachi Authorized Service Facilities has been established in all 50 states and Puerto Rico . Each facility will provide you with convenient and expedient assistance . Our service "Hot line" operator will direct you to the Hitachi Authorized Service Facility nearest you . Just present proof of purchase and/or delivery receipts to the Hitachi Authorized Service Facility and service will be rendered in accordance with the terms of the limited warranty as stated on your warranty card or operating guide .

Should you have any questions regarding in-warranty service, operation or technical assistance, please contact:

HITACHI AMERICA, LTD.
HOME ELECTRONICS DIVISION

1855 Dornoch Court,
San Diego, California 92154-7255,
Tel: 1-800-HITACHI
(1-800-448-2244)

HITACHI CANADA LTD .
DIGITAL MEDIA DIVISION

6740 Campobello Road, Mississauga,
Ontario L5N 2L8 CANADA
Tel: 1-800-HITACHI
(1-800-448-2244)

during the business hours
Monday - Friday EST 9:00am~7:00pm
Saturday EST 9:00am~5:00pm

durant les heures de hureau:
Lundi au Vedredi 9:00am~7:00pm (h.n.e.)
Samedi 9:00am~5:00pm (h.n.e.)

Printed in China
0VMN03021
E5615UD ★★★★★

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