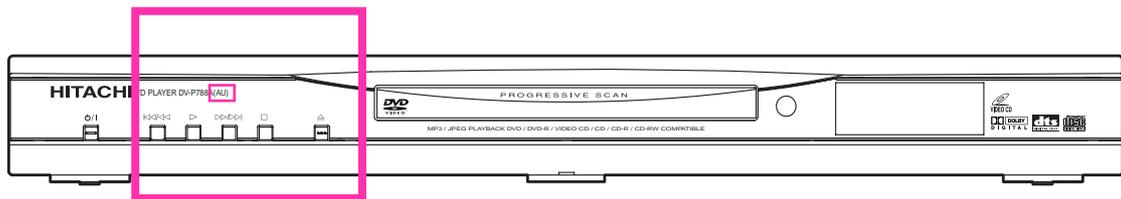# HITACHI
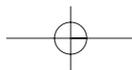## Inspire the Next
DVD PLAYER INSTRUCTION MANUAL

MODEL

DV-P788A(AU)

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.

PRECAUTIONS

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.

Power Supply

The main power supply is engaged when the main plug is plugged in a 240V~ 50Hz AC outlet. To operate the unit, press the **STANDBY** button to turn on the unit.

Warning

To avoid fire or electric shock, do not expose this unit to rain or moisture.

WARNING: LIVE PARTS INSIDE. DO NOT REMOVE ANY SCREWS.

Dew Warning

Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. Do not use the DVD Player at least for 2 hours until its inside is dry.

Caution

1) Do not attempt to open the cabinet. There are no parts you can service inside. Refer all servicing to qualified service personnel.
2) Slot and openings in the cabinet and at the side or bottom are provided for ventilation. To ensure reliable operation and to protect the unit from overheating these opening must not be blocked or covered. Avoid enclosed spaces such as book cases unless proper ventilation is provided.
3) Keep the unit away from the radiator heat sources.
4) Avoid using near strong magnetic fields.
5) Do not push objects of any kind into this through the cabinet slot as they could touch current carrying parts or short circuit parts resulting in a fire or electric shock.
6) Never spill liquid of any kind on this unit.
   If liquid is spilled into the unit, consult qualified service engineer.
7) Use this unit in a horizontal (flat) position only.
8) This equipment is in Stand-by mode when it turns off whilst the power cord is connected.

Laser Safety

This player 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: * PRINTED ON THE BACK

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
KLASS 1 LASER APPARAT
CLASSE 1 PRODUIT LASER
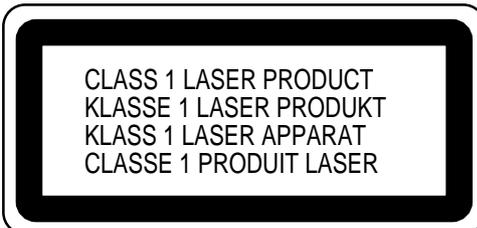
PRECAUTIONS

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.

Notice for the progressive scan outputs

Consumers should note that not all high definition television sets are fully compatible with this product and may
cause artifacts to be displayed in the picture. In case of 625 progressive scan picture problems, it is recommended that the user switch the connection to the "standard definition" output. If there are questions regarding
our TV set compatibility with this model 625p DVD player, please contact our customer service center.

TABLE OF CONTENTS

INTRODUCTION

Supplied Accessories

• Remote control   DV-RM745E(TS18854)
• Two AA batteries
• VIDEO/AUDIO cables   approx.3 feet(100cm) long(TE14751)

Symbols Used in this Manual

As shown on the right symbols appear below in some headings and notes in this manual, with the following meanings!

DVD	: Description refers to playback of DVD video discs.
VCD	: Description refers to playback of Video CDs.
CD	: Description refers to playback of audio CDs.
MP3	: Description refers to playback of MP3 discs.
JPEG	: Description refers to viewing of JPEG discs.
QUICK	: Description refers to the items to be set in the QUICK mode.

ABOUT THE DISCS

Playable Discs

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

*Depending on the types or the writing method of the medium, some discs can not be played.

• Some DVD-R or CD-R/RW discs made on personal computers, or on DVD recorders may not be played back properly due to factors such as scratches, dirt or special properties of the disc.
• Discs made on personal computers may not be played back properly due to different environments or the settings of the application you use. We recommend always to use the standardized, properly formatted discs. (Please contact your Hitachi dealer for more detail).
• 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 player with the same region code.

Playable discs	Mark (logo)	Region code	Recorded signals	Disc size	Disc types
DVD-Video * 1,2,4,6	**DVD** VIDEO **DVD** VIDEO	⊕ or ⊕	Digital video (MPEG2)	12 cm or 8cm	**Example** Title 1 Title 2 Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 1 Chapter 2
DVD-R * 1,2,3,4,5,6	**DVD** R **DVD** R	–			
Audio CD * 4,6	COMPACT disc DIGITAL AUDIO		Digital audio	12 cm or 8cm	Audio CD, Video CD **Example** Track 1 Track 2 Track 3 Track 4 Track 5 Track 6
Video CD * 1,4,6	VIDEO CD disc DIGITAL VIDEO	–	Sound and Pictures		
CD-R CD-RW * 4,5,6	COMPACT disc DIGITAL AUDIO Recordable COMPACT disc DIGITAL AUDIO ReWritable disc Recordable disc ReWritable	–	MP3 or JPEG	12 cm or 8cm	MP3, JPEG **Example** Group 1 Group 2 Track 1 Track 2 Track 3 Track 4 Track 5 Track 6

If you cannot play back a disc which bears one of the marks above, check the following notes.

*1: This unit conforms to the PAL colour system. Also you can play discs recorded with the NTSC colour systems via a PAL system TV set.
*2: Certain DVD-Video discs do not operate as described in this manual due to the intentions of the disc's producers.
*3: Only the discs which have been recorded in the video format and finalized can be played back.
  Discs unfinalized or recorded in the video recording format cannot be played back.
  Depending on the recording status of a disc, the disc may not be played back at all or normally
  (the picture or sound may be not be smooth, etc.).
*4: Scratched or stained discs may not be played back.
*5: Some discs cannot be played back because of incompatible recording conditions, characteristics of the recorder or special properties of discs.
*6: You can play back discs which bear the marks above. If you use nonstandardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.

ABOUT THE DISCS

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 Playback Control. You can play interactive software using menu screens. Refer to the instructions accompanying the Video CD.

NOTE:
When playing Video CDs with the PBC function, some operations (e.g., select and track repeat) cannot be performed unless the function is cancelled temporarily (refer to page 12).

Unplayable Discs

● **On the following discs, only the sound can be heard (picture cannot be viewed).**

| **CDV** | **CD-G** |

● **NEVER play back the following discs. Otherwise, malfunction may result!**

CD-I   **DVD-ROM for personal computers**
DVD-RAM   **CD-ROM for personal computers**
Photo CD
DVD with region codes other than 4 or ALL

● **On the following disc, the sound MAY NOT be heard.**
Super Audio CD
Note: Only the sound recorded on the normal CD layer can be delivered.
         The sound recorded on the high density Super Audio CD layer cannot be delivered.
● *Any other discs without compatibility indications.*

FEATURES

● **Progressive Scan system**
● **Dolby Digital sound**
  By connecting this player to a Multi-channel Dolby Digital decoder, you can enjoy high-quality 5.1ch Dolby Digital surround sound as heard in the movie theatres.
● **Pause/fast/slow/step playback**
● **Random playback for Audio CD, MP3 and JPEG**
● **Program playback for Audio CD, MP3 and JPEG**
● **DVD menus in a desired language**
● **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**
● **Selecting a camera angle**
● **Choices for audio language and sound mode**
● **Ratings Control**
● **Automatic detection of discs**
  This player automatically detects if a loaded disc is DVD, Audio CD, Video CD, MP3 or JPEG on disc.
● **Playing an MP3 disc**
● **Viewing a CD-ROM with JPEG files**
● **Direct Search**
● **On-screen display**
  Information about the current operation can be displayed on the TV screen, allowing you to confirm the currently active functions (such as program playback) by the remote control.

● **DTS (Digital Theater System)**
  You can enjoy 5.1channel surround system developed by the Digital Theater System co. which reproduces the original sound as truthfully as possible.
● **Search**
  Chapter search / Title search / Track search / Time search
● **Repeat**
  Chapter / Title / Track / Group / All / A-B
● **Zoom**
● **Marker**
  Electronic references point designated by user can be called back.
● **Disc Navigation**
  Displays the first scenes of each chapter in a title.
● **Resume Play**
● **Virtual Surround**
● **MPEG sound**
  This player can handle a disc that supports MPEG audio and the DVD player is connected to a MPEG decoder.
● **Dimmer**
  Dim the display brightness.
● **Bit rate indication**
● **DRC (Dynamic range control)**
  You can control the range of sound volume.

For Customer Use:
Read carefully the information located on the back of your DVD player and enter below the Serial No. Retain this information for future reference.
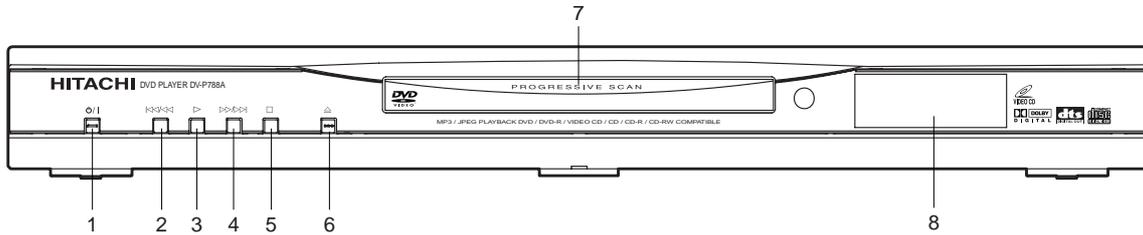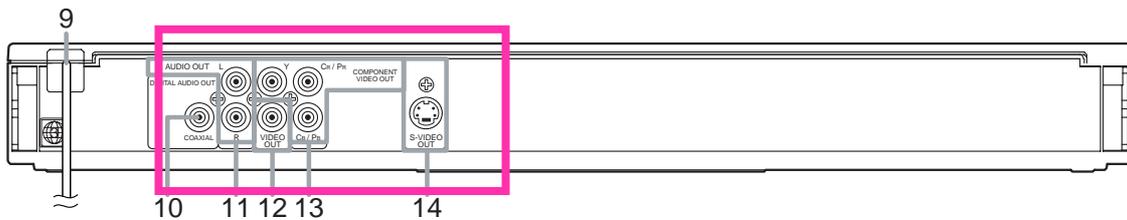Model No. DVD player _____
Serial No. _____
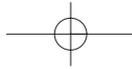
FUNCTIONAL OVERVIEW

FRONT PANEL

7

HITACHI DVD PLAYER DV-P788A   PROGRESSIVE SCAN

DVD VIDEO

MP3 / JPEG PLAYBACK DVD / DVD-R / VIDEO CD / CD / CD-R / CD-RW COMPATIBLE

VIDEO CD   DOLBY DIGITAL   dts   COMPACT DISC

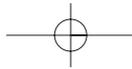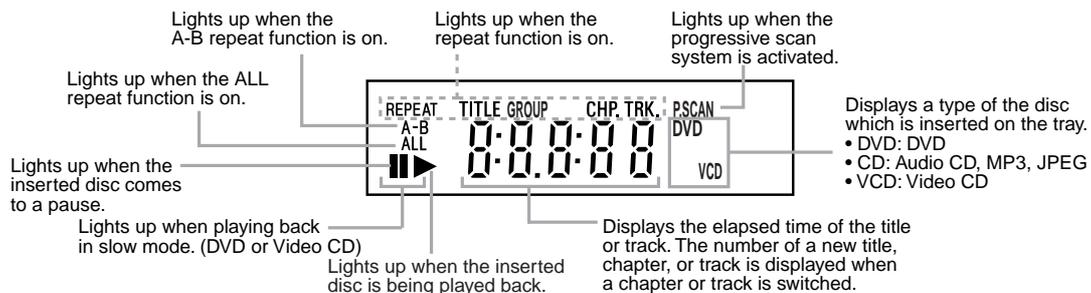1   2 3   4 5   6   8

1. ⏻/I (POWER/STANDBY)
Switch the player to ON or OFF.
(As to the indication of the Operate switch, "I" indicates
ON and "⏻" indicates electrical power STANDBY.)

2. I◄◄ / ◄◄ (SKIP/FR)
Go to previous chapter or track during playback.
Press and hold for 1.5 seconds for a reverse search.

3. ► (PLAY)
Start or resume disc playback.

4. ►► / ►►I (FF/SKIP)
Go to next chapter or track during playback.
Press and hold for 1.5 seconds for a forward search.

5. ■ (STOP)
Stop playback.

6. ▲ (OPEN/CLOSE)
Open/close the disc tray.

7. Disc tray

8. Display

REAR PANEL

9

AUDIO OUT L   Y C_R/P_R COMPONENT VIDEO OUT
DIGITAL AUDIO OUT
COAXIAL   R   VIDEO OUT C_B/P_B S-VIDEO OUT

10   11 12 13   14

9. MAIN (AC Power Cord)
Connect to a standard AC plug.

10. DIGITAL AUDIO OUT JACKS
Use either an optical or coaxial digital cable to connect
to a compatible Dolby Digital receiver. Use to connect to
a Dolby Digital decoder, DTS decoder or MPEG
decoder.

11. AUDIO OUT JACKS (ANALOG Left/Right)
Connect to the Audio input jacks of A/V-compatible TV
or wide screen TV, Stereo system.

12. 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.

13. 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.
Together with S-Video, Component Video provides the
best picture quality.

14. 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.

Caution: Do not touch the inner pins of the jacks on the rear
panel. Electrostatic discharge may cause perma-
nent damage to the player.

Display

Lights up when the
A-B repeat function is on.

Lights up when the
repeat function is on.

Lights up when the
progressive scan
system is activated.

Lights up when the ALL
repeat function is on.

REPEAT TITLE GROUP   CHP. TRK. PSCAN
A-B   DVD
ALL
II►   0:0.0:00   VCD

Displays a type of the disc
which is inserted on the tray.
• DVD: DVD
• CD: Audio CD, MP3, JPEG
• VCD: Video CD

Lights up when the
inserted disc comes
to a pause.

Lights up when playing back
in slow mode. (DVD or Video CD)

Lights up when the inserted
disc is being played back.

Displays the elapsed time of the title
or track. The number of a new title,
chapter, or track is displayed when
a chapter or track is switched.

FUNCTIONAL OVERVIEW

Displays During Operation

`P . 8 8 8`	Power on	`L o d d`	Loading the Disc
`8 . 8 8 . 8 8`	No disc inserted or cannot read	`P b c`	Lights up when the playback control is activated
`0 P E n`	Tray open	`P . 0 F F`	Power off
`C L 0 5 E`	Tray closed	▶ `0 : 0 0 : 0 0` DVD	When a disc is being played back

Remote Control

1 ⏻/I
2 (○)
SURROUND
27 SEARCH MODE
OPEN / CLOSE
26 (⏏)
3 A-B REPEAT
4 REPEAT
5 MODE
6 CLEAR
7 ZOOM
8 ANGLE
9 SUBTITLE
23 AUDIO
24 DISPLAY
10 MENU
22 TOP MENU
11
12 ENTER
13 RETURN
21 SETUP
20 DISC NAVIGATION
25 (1 2 3 / 4 5 6 / 7 8 9 / 0 +10)
14 SKIP ⏮ ⏭
15 (□)
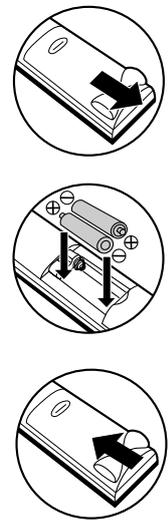19 (▷)
16 (◁◁)
18 (▷▷)
17 (⏸)

DVD VIDEO
HITACHI
DV-RM745E
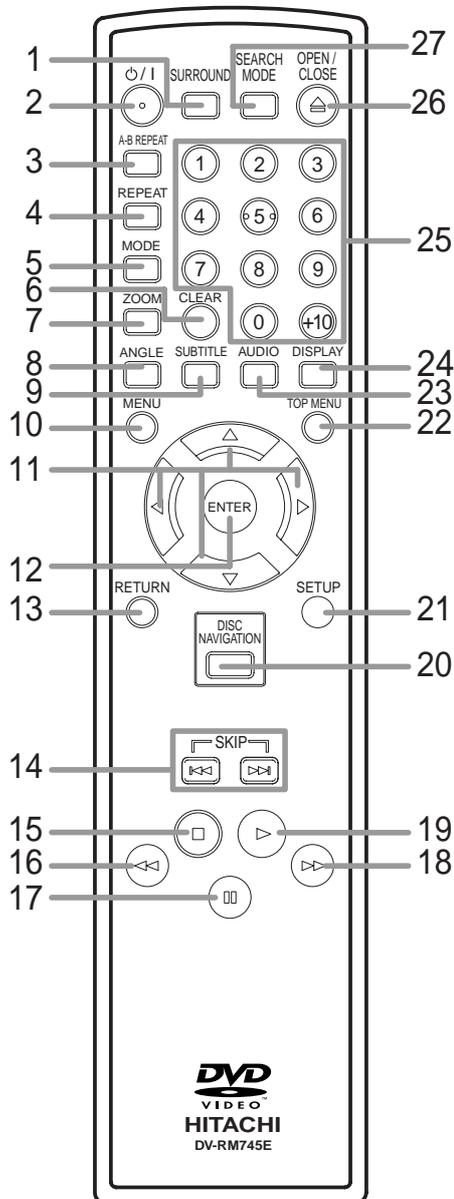
Details are on pages 8 and 9.

Loading the Batteries

1. Open the battery compartment cover.

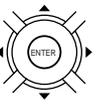2. Insert two AA batteries, with each one oriented correctly.

3. Close the cover.

Cautions On Batteries
• Use "AA" (R6P) batteries in this remote control unit.
• Replace the batteries with new ones approximately once a year, though this depends on the frequency with which the remote control unit is used.
• If the remote control unit does not operate from close to the main unit, replace the batteries with new ones, even if less then a year has passed.
• The included battery is only for verifying operation. Replace it with a new battery as soon as possible.
• When inserting the batteries, be careful to do so in the proper direction, following the ⊕ and ⊖ marks in the remote control unit's battery compartment.
• To prevent damage or battery fluid leakage:
  • Do not use a new battery with an old one.
  • Do not use two different types of batteries such as alkaline and manganese.
  • Do not short-circuit, disassemble, heat or dispose of batteries in flames.
• Remove the batteries when not planning to use the remote control unit for a long period of time.
• If the batteries should leak, carefully wipe off the fluid from the inside of the battery compartment, then insert new batteries.
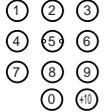
FUNCTIONAL OVERVIEW

Tour of the remote control

Buttons on remote control work in different ways for DVD, Video CD, Audio CD, MP3 and JPEG:
Refer to the following table for correct use.

		DVD	VCD	CD MP3 JPEG
1	**SURROUND Button** SURROUND	• To activate virtual surround.	• To activate virtual surround.	• To activate virtual surround. (CD, MP3)
2	**POWER/STANDBY Button** ⏻/丨	• Turns the player on or off.	• Turns the player on or off.	• Turns the player on or off.
3	**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. (CD)
4	**REPEAT Button** REPEAT	• Allows you to repeat play a Chapter or Title.	• Allows you to repeat play a Track or Disc.	• Allows you to repeat play a Track or All. (CD)
5	**MODE Button** MODE	• To set virtual surround on/off.	• To set virtual surround on/off.	• To arrange the playing order or play randomly. • To set virtual surround on/off.
6	**CLEAR Button** CLEAR	• Clear the markers. • Clear the number that is entered incorrectly.	• Clear the markers. • Clear the number that is entered incorrectly.	• Clear the markers. • Removes status No. in programme input. • Clear the number that is entered incorrectly.
7	**ZOOM Button** ZOOM	• To magnify part of picture (x2/x4).	• To magnify part of picture (x2).	• To magnify part of picture (x2). (JPEG)
8	**ANGLE Button** ANGLE	• Accesses various camera angles on a disc.	───	───
9	**SUBTITLE Button** SUBTITLE	• Accesses various subtitles on a disc.	───	───
10	**MENU Button** MENU	• Brings up the Menu on a disc.	───	• Brings up the MP3 or JPEG menu. (MP3, JPEG)
11 12	**ENTER, Cursor Buttons**	• Moves the cursor and determines its position.	• Moves the cursor and determines its position.	• Moves the cursor and determines its position.
13	**RETURN Button** RETURN	• Returns to a previous menu.	• Returns to a previous menu.	───
14	**SKIP Buttons** SKIP ◄◄ ►►|	• To skip Chapters.	• To skip Tracks.	• To skip Tracks.

FUNCTIONAL OVERVIEW

Tour of the remote control

		DVD	VCD	CD MP3 JPEG
15	STOP Button (■)	• To stop playback.	• To stop playback.	• To stop playback.
16 18	SEARCH Buttons (◄◄) (►►)	• Allows you to search forward/backward through a disc. • To begin slow forward /backward through a disc.	• Allows you to search forward/backward through a disc. • To begin slow forward through a disc.	• Allows you to search forward/backward through a disc. (CD, MP3)
17	PAUSE/STEP Button (❙❙)	• Pause disc play. • Advances playback one frame at a time.	• Pause disc play. • Advances playback one frame at a time.	• Pause disc play.
19	PLAY Button (►)	• Begin disc play.	• Begin disc play.	• Begin disc play.
20	DISC NAVIGATION Button	• The first scenes of each chapter of the title being played will be displayed.	• The first scenes of each track being played will be displayed.	──
21	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.
22	TOP MENU Button TOP MENU	• Brings up the Top Menu on a disc.	──	• Return to the top file of the highest hierarchy in the program and MP3 menu. (MP3, JPEG)
23	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. (CD)
24	DISPLAY Button DISPLAY	• Displays the current disc mode.	• Displays the current disc mode.	• Displays the current disc mode.
25	Number Buttons	• To select chapter or title directly.	• To select track directly.	• To select track directly.
26	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.
27	SEARCH MODE Button SEARCH MODE	• To search chapter, title or time. • To rapidly return to a location of disc. • Search the markers.	• To search track or time. • To rapidly return to a location of disc. • Search the markers.	• To search track. • To search time. (CD) • To rapidly return to a location of disc. • Search the markers. (CD)

EN

CONNECTIONS

Connection to an audio system

Method 1		Method 2
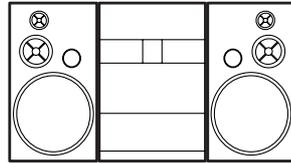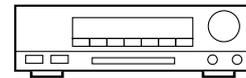
Stereo system

AUDIO Audio Input Jacks

R   L

DVD Analog Audio Out

ANALOG
AUDIO OUT

R   L

Dolby Digital decoder,
DTS decoder,
or MPEG decoder
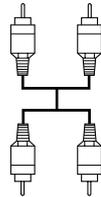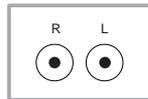
Digital Audio Input
Jacks

OPTICAL   COAXIAL

or

Digital Audio Out

DIGTAL
AUDIO OUT

OPTICAL   COAXIAL
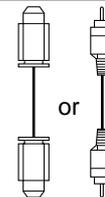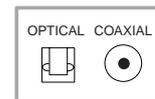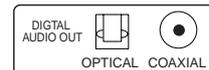
- **Method 1** DVD Player + Stereo system
- **Method 2** DVD Player + Dolby Digital decoder, DTS decoder or MPEG decoder

NOTES
- If output Dolby Digital audio, connect to a Dolby Digital decoder, and set "DOLBY DIGITAL" to "BITSTREAM" for audio output in the setup mode. (See page 17)
- If output DTS audio, connect to a DTS decoder, and set "DTS" to "BITSTREAM" for audio output in the setup mode. (See page 17)
- If output MPEG audio, connect to a MPEG decoder, and set "MPEG" to "BITSTREAM" for audio output in the setup mode. (See page 17)
- Unless connected to a Dolby Digital decoder, DTS decoder, or an MPEG decoder, set "DOLBY DIGITAL" and "MPEG" to "PCM", 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 17)
- The audio source on a disc in a Dolby Digital 5.1 channel surround format cannot be recorded as digital sound by an MD or DAT deck.

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 3 m 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.

CONNECTIONS

Connection to a TV (for video)

| Method 1 | Method 2 | Method 3 |

Basic Audio   **Good picture**   **Better picture**   **Best picture**

TV   R   L   VIDEO IN   S-VIDEO IN   COMPONENT VIDEO IN   CR/PR   Y   CB/PB

Audio Cable   Video Cable   S-Video Cable   Component Video Cable

DVD   AUDIO OUT L / R   VIDEO OUT   S-VIDEO OUT   Y   CR/PR   CB/PB   COMPONENT VIDEO OUT

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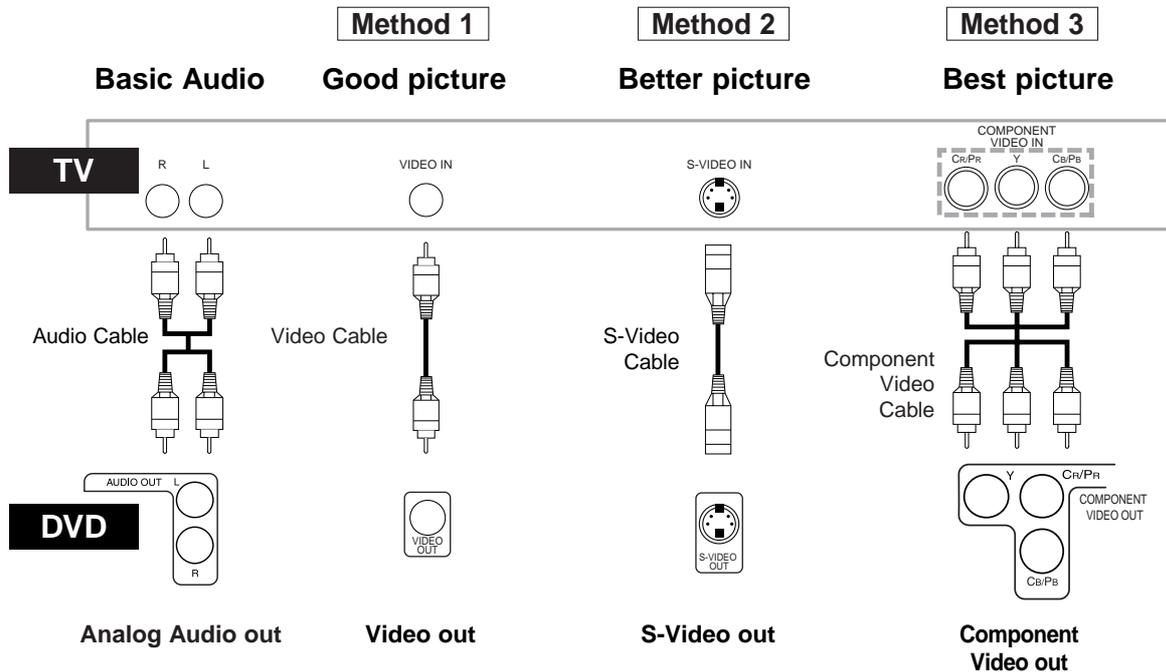
- **Method 1** DVD Player + TV with Video Input Jack
- **Method 2** DVD Player + TV with S-Video Input Jack
- **Method 3** DVD Player + TV with Component Video Jacks

NOTES
- S-Video output connector
  The video signals are divided into colour (C) and brightness (Y) signals, achieving a clearer picture.
  If the TV is equipped with a S-Video input connector, we recommend connecting it to the this product's S-Video output connector using a commercially available S-Video connection cord.
- 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.

Selecting Progressive Scan (625p<576p> or Interlaced 625i<576i>) Playback

- If your TV is compatible with progressive scanning (625p<576p>), connect the TV to the COMPONENT VIDEO OUT jacks of this DVD player, and set to the progressive scanning mode by pressing **PLAY** for more than 5 seconds on the front of the DVD player. "P. SCAN" will appear on display of the DVD player.
- To set to the interlace mode, press **PLAY** for more than 5 seconds on the front of the DVD player. "P. SCAN" will disappear on display of the DVD player.
- If your TV is not compatible with progressive scanning, keep this DVD player in the interlace mode (Make sure that "P. SCAN" on display of the DVD player lights off).
- Use a commercially available adaptor if the video input jacks of your TVs or monitors are the BNC type.

What is Progressive Scanning?

- Unlike conventional interlace scanning, the progressive scan system provides less flickering and images in higher resolution than that of traditional (625i<576i>) television signals.

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 a commercially available 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 DISC

Basic Playback

| DVD | VCD | CD | MP3 | JPEG |

Getting started
- Turn on the power of the TV, amplifier and any other components which are connected to the DVD player.
- Make sure the TV and audio receiver (commercially available) are set to the correct channel.

1 Press ⏻/I .
- "P-ON" will appear briefly on the display panel.

2 Press **OPEN/CLOSE** to open disc loading tray.

3 Place the chosen disc on the tray, with the label facing up.
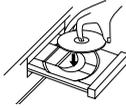
4 Press ▶.
- The tray will close automatically, and playback will then start from the first chapter or track of the disc. If the playback does not start automatically, press ▶.
- When you playback the DVD with a title menu, it may appear on the screen. In this case, refer to "Title Menu".

5 Press ■ to stop playback.

NOTES:
- 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.
- 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.

CANCELLING AND CALLING BACK THE PBC FUNCTION

| VCD |

1 Insert a Video CD.
- Playback starts automatically.

2 Press ■.

3 Press the **Number buttons** to enter the desired Track number.
- The PBC function is now cancelled and playback of the Video CD will start.

4 To recall the PBC function, press ■ twice, and then press ▶.
- The title menu appears on the display.

General Features

| DVD |

DVD may contain menus to navigate the disc and access special features. Press the appropriate **Number buttons** or use **Cursor buttons** (▼/▲/▶/◀) to highlight your selection in the DVD main menu and press **ENTER** to confirm.

NOTE:
- Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.

Disc Navigation

| DVD | VCD |

1 Press **DISC NAVIGATION**.
- During title playback or when resume is on:
  - A shot from each chapter including the one currently being played will be displayed on the screen.
  - The chapter currently being played is selected in yellow.
- In STOP mode (resume off):
  - The first scene of each chapter of the first title will be displayed.

2 Press **Cursor buttons** (▼/▲/▶/◀) to select your desired chapter.
- Up to 6 chapters can be displayed at one time. If the

title has more than 6 chapters, press **SKIP ▶▶I** to go to the next page. Press **SKIP I◀◀** to go back to the previous page.
- You can change the title by moving up to the field where the title number is shown with **Cursor button** (▲), and entering a title number of your choice.

3 Press **ENTER** or ▶.
- Playback of the selected chapter will start.
- Pressing **DISC NAVIGATION** before pressing **ENTER** or ▶ at step **3** will cease the DISC NAVIGATION function, and the playback will be stopped. The resume information will be lost.
- When a disc menu is shown, the DISC NAVIGATION feature does not function.
- DISC NAVIGATION takes a few seconds to respond.
- With some discs, part of the DISC NAVIGATION screen may not be displayed properly. This is not a malfunction.
- Some discs do not support disc navigation feature.
- The sound is muted while DISC NAVIGATION is on the screen.
- It takes about 15 seconds to display 6 shots.

Pause

| DVD | VCD | CD | MP3 | JPEG |

1 During playback, press ❚❚.
- Playback will pause and sound will be muted.

2 To continue playback, press ▶.

NOTE:
- Set "STILL MODE" to "FIELD" on the display menu if pictures in the pause mode are blurred. (Refer to page 17.)

Disc Menus

| DVD |

1 Press **MENU**.
- The DVD main menu will appear.

2 If the feature is not available, 🚫 symbol may appear on the TV screen.

3 If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.

4 Press **Cursor buttons** (▼/▲/▶/◀) to select an item, and **ENTER** to confirm selection.

Title Menu

| DVD |

1 Press **TOP MENU**.
- The title menu will appear.

2 If the feature is not available, 🚫 symbol may appear on the TV screen.

3 Press **Cursor buttons** (▼/▲/▶/◀) to select an item, and **ENTER** to confirm selection.
- Playback will begin at the selected Title.

| VCD |

1 When playing a Video CD with the PBC function, the title menu appears automatically.

2 Press the **Number buttons** to select the desired title.
- Playback will begin at the selected title.

3 Press **RETURN** to go back to the title menu.

CALLING UP A MENU SCREEN DURING PLAYBACK

- Press **MENU** to call up the DVD main menu.
- Press **TOP MENU** 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.

PLAYING A DISC

Step by Step Playback

DVD	VCD

1 During playback, press ❚❚.
  • Playback will pause and sound will be muted.
2 The disc advances by one frame each time ❚❚ is pressed.
3 To exit step by step playback, press ▶.
NOTE:
  • Set "STILL MODE" to "FIELD" on the display menu if pictures in the pause mode are blurred. (Refer to page 17.)

Resume

DVD	VCD	CD	MP3	JPEG

1 During playback, press ■.
  • Resume message will appear on the TV screen.
2 Press ▶, playback will resume from the point at which playback was stopped.
  • To cancel resume, press ■ twice.
NOTES:
  • The resume playback takes a little longer to take place compared to the normal playback.
  • The resume information stays on even when the power is turned off.
  • For MP3, playback will resume from the beginning of the current track.

Fast Forward / Reverse Search

DVD	VCD	CD	MP3

1 During playback, press ▶▶ or ◀◀ repeatedly to select the required forward or reverse speed.
  • For DVDs, fast forward or reverse search speed is different depending on the disc. Approximate speed is 1(x2), 2(x8), 3(x50), 4(x100).
  • For Video CDs, fast forward or reverse search speed is different depending on the disc. Approximate speed is 1(x2), 2(x8), 3(x30).
  • For Audio CDs, the approximate speed is x16.
  • For MP3, the approximate speed is x8.
  • If you are using ▶▶/▶▶❘ or ❘◀◀/◀◀ on the front panel, press and hold it for more than 1.5 sec (the longer you hold it, the faster the speed will be). When you reach the desired speed, release the button.
2 To return to normal playback, press ▶.

Slow Forward / Slow Reverse

DVD	VCD

1 During playback, press ❚❚.
2 Press ▶▶ or ◀◀ .
  • Slow motion playback will begin and sound will be muted.
3 Press ▶▶ or ◀◀ repeatedly to select the required speed.
  • Slow forward or reverse speed is different depending on the disc. Approximate speed is 1(1/16), 2(1/8), 3(1/2).
  • If you are using ▶▶/▶▶❘ or ❘◀◀/◀◀ on the front panel, press and hold it for more than 1.5 sec (the longer you hold it, the faster the speed will be). When you reach the desired speed, release the button.
4 To return to normal playback, press ▶.
NOTES:
  • Set "STILL MODE" to "FIELD" on the Display menu, if pictures in the slow playback mode are blurred. (Refer to page 17)
  • Only Slow Forward is available when playing a Video CD.

Zoom

DVD	VCD	JPEG

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.
1 Press **ZOOM** during playback.
  • Playback will continue.
2 Press **ZOOM** repeatedly to select the required zoom factor: x2, x4 or OFF.
3 Use **Cursor buttons** (▼/ ▲/ ▶/ ◀) to move the zoomed picture across the screen.
4 To exit zoom mode, press **ZOOM**.
NOTES:
  • Zooming function does not work while disc menu is shown.
  • x4 zoom is not available on some discs.
  • Only x2 zoom is available on Video CDs and JPEG files.
  • You cannot move the zoomed picture on some JPEG files.

Track Search

VCD	CD	MP3	JPEG

There are three ways to begin playback of an Audio CD and Video CD at a specific Track.
Using the Number buttons
1 Press the **Number buttons** to enter the desired Track number.
  • Playback will start at the selected track.
  • For single digit tracks (1-9), press a single number (eg. track 3, press **3**).
  • To play track 26, press **+10**, **2**, **6** on the **Number buttons**.
Using the SEARCH MODE
1 Press **SEARCH MODE**.
  • The Track search display appears.
2 Within 30 seconds, select a desired track number using the **Number buttons**. For single digits press **0** first if the total track of the disc is more than 10 tracks.
  • Playback will start at the selected track.
Using the SKIP ❘◀◀ ▶▶❘
During playback, press **SKIP** ▶▶❘ to move to the next track. Press it repeatedly to skip subsequent tracks. Press **SKIP** ❘◀◀ to go back to the beginning of the current track. Press it repeatedly to go to the previous tracks.
  • Track number will appear briefly on the front display panel.
  • If any **SKIP** is pressed while the playback is paused, the playback will be paused again after skipping to the next track.
NOTE:
  • SKIP ❘◀◀ ▶▶❘ are not available when playback is stopped.

Title / Chapter Search

DVD

1 Press **SEARCH MODE** once for the Chapter search, twice for the Title search during playback.
2 Enter the desired chapter/title number using the **Number buttons.**

Time Search

DVD	VCD	CD

1 Press **SEARCH MODE** repeatedly until the Time Search appears during playback.
2 Within 30 seconds, enter a desired disc time using the **Number buttons**.
  • Playback will start at the specified time.
  • Press **CLEAR** to erase the incorrect input.

PLAYING A DISC

NOTE:
- For Time Search, "0" appears automatically when there is no need to enter a number. For example, "0:0_:_ _" appears in the Time Search display if the total time of the disc is less than 10 minutes.
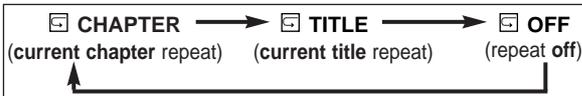
Repeat

- **REPEAT** is available only during playback.

REPEAT TITLE / CHAPTER

DVD

To activate the repeat function, press **REPEAT** during play-back.

- The repeat mode changes as described below every time you press the button.

⟳ **CHAPTER** ⟶ ⟳ **TITLE** ⟶ ⟳ **OFF**
(**current chapter** repeat) (**current title** repeat) (repeat **off**)

NOTES:
- Repeat Title/Chapter is not available on some scenes.
- The REPEAT setting will be cleared when moving to other titles or chapters.

REPEAT TRACK

VCD **CD**

To activate the repeat function, press **REPEAT** during play-back.

- The repeat mode changes as described below every time you press the button.

⟳ **TRACK** ⟶ ⟳ **ALL** ⟶ ⟳ **OFF**
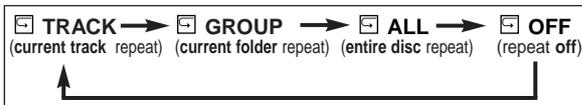(**current track** repeat) (**entire disc** repeat) (repeat **off**)

NOTES:
- The repeat setting will be cleared by moving to another track.
- Repeat playback does not function during A-B repeat playback.
- Repeat playback is not available when playing a Video CD with the PBC function.

MP3 **JPEG**

⟳ **TRACK** ⟶ ⟳ **GROUP** ⟶ ⟳ **ALL** ⟶ ⟳ **OFF**
(**current track** repeat) (**current folder** repeat) (**entire disc** repeat) (repeat **off**)

A-B REPEAT

DVD **VCD** **CD**

1. Press **A-B REPEAT** at your chosen starting point.
   - "⟳ A-" appears briefly on the TV screen.
2. Press **A-B REPEAT** again at your chosen end point.
   - "⟳ A-B" appears briefly on the TV screen, and the repeat sequence begins.
3. To exit the sequence, press **A-B REPEAT**.
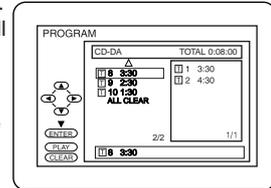
NOTES:
- The A-B repeat section can only be set within the current title (for DVDs), or current track (for Audio CDs and Video CDs).
- A-B Repeat is not available with some scenes in DVD.
- To cancel the A point which was set, press **CLEAR**.
- A-B Repeat playback does not function during title, chapter, track or all repeat playback.

Program Playback (CD)

CD

You may determine the order in which tracks will play.
1. In STOP mode press **MODE**.
   - The PROGRAM screen will appear.
2. Press ▲ or ▼ to select a track, then press **ENTER**.
   - Press **CLEAR** to erase the most recently entered program.
3. Press ▶ to play the programmed tracks.

NOTES:
- Press ■ once and then ▶, playback will restart from the point where ■ was pressed. (Program continued)
- Press ■ twice and then ▶, playback will restart from the track in the usual way. (Program cleared)
- Up to 99 programs can be entered.
- To repeat the current track in the program, press **REPEAT** repeatedly until "⟳ TRACK" appears during playback. To repeat the entire program press **REPEAT** repeatedly until "⟳ ALL" appears during playback.
- To erase all programs at once, select "ALL CLEAR" and press **ENTER** at step 2.

Random Playback (CD)

CD

This shuffles the order of tracks instead of playback of in the original sequence.
1. In STOP mode, press **MODE** twice.
   - RANDOM screen appears.
2. Press ▶ to start random playback.
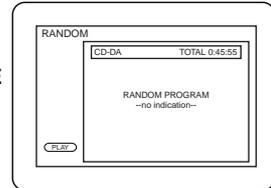
NOTE:
- To repeat the current track in the random selection, press **REPEAT** repeatedly until "⟳ TRACK" appears during playback. To repeat the entire random selection press **REPEAT** repeatedly until "⟳ ALL" appears during playback.

MP3 / JPEG Playback

MP3 **JPEG**

Insert an MP3 or JPEG disc, then press **MENU** to call up the MP3 or JPEG menu on the TV screen.
1. In STOP mode, press ▲ or ▼ to select the desired group or track.
   - If a group is selected, press ▶ or **ENTER** to go to the track selection screen. Press ▲ or ▼ to choose a track, then press ▶ or **ENTER**.
   - If a track is selected, press ▶ or **ENTER** to start playing from the track.
   - Press **TOP MENU** to return to the first item.
2. Press ■ to stop playback.
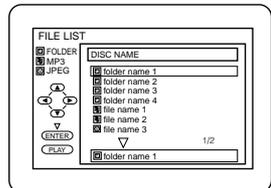
NOTES:
- Folders are known as Groups; files are known as Tracks.
- The "▣" symbol is shown on the top of the group name.
- The "🎵" symbol is shown on the top of MP3 files.
- The "◎" symbol is shown on the top of JPEG files.

PLAYING A DISC

• The system can recognize up to 255 groups/ folders and up to 512 tracks/ files, and this applies even to the case where mixed MP3 and JPEG files are recorded.
• Up to 8 hierarchies can be created.
• If a JPEG file is selected, the image will be reproduced from the selected track and go to the next one in turn. A track is displayed for five seconds and then the next track is displayed.
Each press on the **Cursor button** ▶ will rotate the image clockwise by 90 degrees when an image is displayed.
Each press on the **Cursor button** ◀ will rotate the image counterclockwise by 90 degrees.

For best results use files recorded at these specifications:
[MP3]
• Sampling frequency: 44.1kHz or 48kHz
• Constant bit rate: 112kbps ~ 320kbps.
[JPEG] size of image
• Upper limit: 6,300 x 5,100 dots.
• Lower limit: 32 x 32 dots.

Slide Show Mode (JPEG)

JPEG

You can switch to the slide show mode during playback.
1 Press **MODE** during playback.
• The slide show mode screen will appear.
• The slide show mode cannot be switched when it is stopped, or from the file list screen.
2 Press **ENTER**.
• The slide show mode will change.
CUT IN/OUT: The entire image appears in one time.
FADE IN/OUT: The image appears gradually and then disappears.
3 Press **MODE** to exit.

On-Screen Information

MP3   **JPEG**

You can check each file during playback.
1 Press **DISPLAY**.
• The name of the file currently in play will be displayed.
2 Press **DISPLAY** again to show the track number, the elapsed time, the repeat status, and the playback status at the top of the screen.
• ⊟ will be displayed when the repeat play has been selected.
⊟ T - indicates Track repeat
⊟ G - indicates Group (folder) repeat
⊟ A - indicates Disc repeat
3 Press **DISPLAY** again to exit.

Program Playback (MP3 / JPEG)

MP3   **JPEG**

This feature allows you to program an MP3 disc to play in a desired sequence.
1 In STOP mode, press **MODE**.
• The PROGRAM screen will appear.
2 Press ▲ or ▼ to select a track, then press **ENTER** to save it in a program.
• Press **CLEAR** to erase the incorrect input.
3 Press ▶ to start programmed playback.
NOTE:
• To erase all programs at once, select "ALL CLEAR" and press **ENTER** at step **2**.

Random Playback (MP3 / JPEG)

MP3   **JPEG**

1 Press **MODE** twice while playback is stopped.
2 Press ▶ to play the tracks in random order.

Audio Language

DVD

The DVD player allows you to select a specific language during DVD disc playback when multiple languages are available.
1 Press **AUDIO** during playback.
2 Press **AUDIO** repeatedly to select your desired language.
NOTES:
• If your language is not shown after pressing **AUDIO** several times, the disc may not have that language. However, some discs allow you to change audio language or subtitle language setting in the disc menu. (Operation varies depending on the disc, so refer to the manual included in the disc.)
• If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio language setting. If you choose any other languages, "---" will be displayed instead. (Refer to page 19.)

Stereo Sound Mode

VCD   **CD**

1 Press **AUDIO** repeatedly during playback to select between "STEREO", "L-CH" or "R-CH".
STEREO - both right and left channels are active
L-CH - only left channel is active
R-CH - only right channel is active
NOTES:
• If the Virtual Surround setting is "1" or "2", the sound mode will be fixed to "STEREO", and can not be changed.
• This function is not available on DTS-CD.

Subtitle Language

DVD

The DVD player allows you to select a language for subtitle (if available) during DVD disc playback.
1 Press **SUBTITLE** during playback.
2 Press **SUBTITLE** repeatedly to select your desired subtitle language.
• The selected language will be displayed on the display bar at the top of the screen.
3 To turn off subtitles, press ◀ or ▶ until "OFF" appears.
NOTES:
• If your language is not shown after pressing **SUBTITLE** several times, the disc may not have that language. However, some discs allow you to change audio language or subtitle language setting in the disc menu. (Operation varies depending on the disc, so refer to the manual included in the disc.)
• If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Subtitle language setting. If you choose any other languages, "---" will be displayed instead. (Refer to page 19.)

PLAYING A DISC

Camera Angle

DVD

Some DVD discs contain scenes which have been shot simultaneously from various angles. You can change the camera angle when the ( ) mark appears on the screen. If the "ANGLE MARK" setting is "OFF" in the Display setting, the ( ) icon will not appear. (Refer to page 17.)
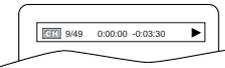
1 Press **ANGLE** during playback.
  • The selected angle will be displayed on the display bar at the top of the screen.
2 Press **ANGLE** repeatedly to select your desired angle.

Changing the On-Screen Display

DVD

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

1 Press **DISPLAY** during play- back to show current Chapter.

`9/49  0:00:00  -0:03:30`

  • The elapsed and remaining time of the current chapter will be displayed.
2 Press **DISPLAY** again to show current title.
  • The elapsed and remaining time of the current title will be displayed.
3 Press **DISPLAY** again.
  • The BIT RATE and the current repeat setting will be displayed.
  • If you are playing a dual layered disc, the layer number will also be displayed (L0: Layer 0 is playing. L1: Layer 1 is playing).
4 Press **DISPLAY** again to remove the display.

VCD **CD**

1 Press **DISPLAY** during playback, the current track will be displayed on the TV screen.
  • The elapsed and remaining time of the current track and the current repeat setting will be displayed.
2 Press **DISPLAY** again to show the total time of the disc.
  • The elapsed and remaining time of the current total track and the current repeat setting will be displayed.
3 Press **DISPLAY** again to remove the display.

Ratings Control

DVD

Ratings Control provides limits for DVDs with extreme violence or adult themes. (A password you establish will override the limits.)
This feature allows you to prevent discs with objectionable scenes from being played by your children.

RATING LEVEL

Rating Level allows you to set the rating level of your DVDs. Playback will stop if the disc's ratings exceed the level you set.
1 Press **SETUP** in STOP mode.
2 Press ◄ or ► to select "CUSTOM", then press **ENTER**.
3 Press ◄ or ► to select "PARENTAL", then press **ENTER**.
4 Enter your four-digit password then press **ENTER**.
5 Press ▲ or ▼ to select "RATING LEVEL", then press **ENTER**.
6 Press ▲ or ▼ to select the desired level.
7 Press **SETUP** to exit.
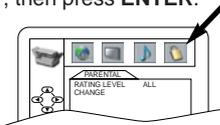
NOTES:
  • When doing this for the first time, enter any 4 digits ex- cept for 4737. That number will be used as the password from the second time onward.
  • To change the password, press ▲ or ▼ to select "CHANGE" at step **5**, then press **ENTER**. Enter the four-digit pass-word, then press **ENTER**.
  • With some DVDs, it may be difficult to find if they are compatible with rating level. Be sure to check if the rat- ing level function operates in the way that you have set.
  • Record the password in case you forget it.

IF YOU FORGET THE PASSWORD

1 Press **4**, **7**, **3**, **7** at step **4**.
  • Password will be cleared and Rating Level will be set to "ALL".
2 Repeat steps **4**-**7** to re-establish the Ratings Control.

CONTROL LEVELS

  • **ALL**
    Ratings control is cancelled.
  • **Level 8**
    DVD software of any grade (adult/general/children) can be played back.
  • **Levels 7 to 2**
    Only DVD softwares intended for general use and chil- dren can be played back.
  • **Level 1**
    Only DVD softwares intended for children can be played back, with those intended for adult and general use prohibited.

Marker Setup Screen

DVD **VCD** **CD**

Use markers to memorise your favourite places on a disc.

1 Press **SEARCH MODE** repeatedly until the Marker Setup Screen appears during playback.
  • The display screen and Markers will appear on the TV screen.
2 Ensure that "- : - - : - -" appears in the display, and press ◄ or ► to select the number of the marker (1~10).
3 When you reach the desired point, press **ENTER**.
  • The Title or Track and elapsed playing time will appear on the TV screen.
4 To return to a Marker later, press **SEARCH MODE** repeatedly until the Marker Setup Screen appears during playback and ◄ or ► to choose the desired marker, then press **ENTER**.

NOTES:
  • Opening the disc tray, turning off the unit, or selecting AC (All clear) followed by the **ENTER** key at step **2** will erase all markers.
  • To clear a marker, using ◄ or ►, position the cursor on to the marker number to be cleared and press **CLEAR**.
  • You can mark up to 10 points.

5 Press **SEARCH MODE** or **RETURN** to exit.

DVD SETUP

Audio Setting

DVD

Set your surround modes for DVD player through your receiver or processor. DVD's audio setup will not affect CD playback.
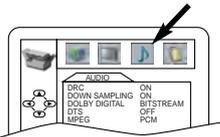
1 In STOP mode press **SETUP**.

2 Press ◀ or ▶ to select "CUS-TOM", then press **ENTER**.
  • CUSTOM menu will appear.

3 Press ◀ or ▶ to select "AUDIO", then **ENTER** to confirm.

4 Press ▲ or ▼ to select an item, then press **ENTER**.

DRC (Dynamic Range Control) :
  • To compress the range of sound volume.
  • DRC function is available only on the discs that are recorded in the Dolby Digital format.
  • The default setting is ON.

DOWN SAMPLING :
  • Set to ON when outputting in 48kHz.
  • Set to OFF when outputting the original sound.
  • When playing disc with copyright protection, the sound will be down sampled at 48kHz even if you set it to OFF.
  • DOWN SAMPLING function is available only on digital output of a disc recorded in 96kHz, and when the unit is connected to another source using the digital out jack.
  • DOWN SAMPLING function is available only on the discs that are recorded in the Dolby Digital format.
  • The default setting is ON.

DOLBY DIGITAL : QUICK
  Set to BITSTREAM when the player is connected to Dolby Digital Decoder.
  (BITSTREAM : Dolby Digital OUTPUT)
  (PCM : Converts the Dolby Digital to PCM)
  • The default setting is BITSTREAM.

DTS : QUICK
  • Set to BITSTREAM when connected to DTS decoder.
  • The default setting is OFF.

MPEG : QUICK
  BITSTREAM: Output MPEG sound
  Set to BITSTREAM when the unit is connected to an MPEG Decoder
  • The default setting is PCM.

5 Press **SETUP** to exit.

Virtual Surround

DVD   **VCD**   **CD**   **MP3**

You can enjoy stereophonic virtual space on your existing 2 channel stereo system.

1 Press **SURROUND** during playback.

2 Press **SURROUND** to set it 1 (Natural effect), 2 (Emphasized effect) or OFF.

3 Press **MODE** or **RETURN** to exit.

NOTES:
  • Virtual Surround will not be effective if the surround mode is set to any selection other than STEREO (for Audio CD and Video CD play only).
  • Turn down the level or turn it "OFF" if the sound is distorted.
  • The setting will be saved even if the player is turned off.

Display Setting

DVD

You can change certain aspects of the DVD display screens, on-screen messages and the display panel on the front of the DVD player.
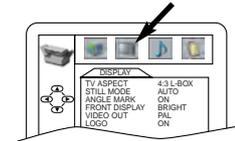
1 Press **SETUP** in STOP mode.

2 Press ◀ or ▶ to select "CUSTOM", then press **ENTER**.
  • CUSTOM mode will appear.

3 Press ◀ or ▶ to select "DIS-PLAY", then press **ENTER** to confirm.

4 Press ▲ or ▼ to select from an item, then press **ENTER**.

TV ASPECT : QUICK
  • Press ▲ or ▼ for an item selection, then press **ENTER**.
  • 4:3 LETTER BOX displays a theater-like image. Black bars appear at the top and bottom of the screen.
  • 4:3 PAN-SCAN is the traditional TV mode with a full height picture with both sides trimmed.
  • Select 16:9 WIDE if a wide-screen TV is connected to the DVD player.
  • The default setting is 4:3 LETTER BOX.

STILL MODE :
  • Press ▲ or ▼ for an item selection (AUTO, FIELD or FRAME), then press **ENTER**.
  • Select "AUTO" usually.
  • If you select FIELD, pictures in the still mode will be stabilized although they will be coarse due to little amount of data.
  • If you select FRAME, pictures in the still mode will be highly defined although they will be blurred due to output of two fields at the same time.
  • The default setting is AUTO.

ANGLE MARK :
  • Press **ENTER** repeatedly to turn Angle mark ON or OFF.
  • The default setting is ON.

FRONT DISPLAY :
  • Press ▲ or ▼ for an item selection (BRIGHT, DIM or AUTO DIM), then press **ENTER**.
  • When AUTO DIM is selected, the display dims only during playback.
  • The default setting is BRIGHT.

VIDEO OUT :
  • Press **ENTER** repeatedly to turn video out PAL or AUTO.
  • The default setting is PAL.

JLOGO:
  • Press **ENTER** to switch ON (opening picture)/OFF(black).
  • The default setting is ON.

5 Press **SETUP** to exit.

NOTE:
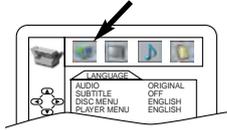 • Be sure to press **SETUP**, or the setting will not work.

DVD SETUP

Language Setting

DVD

Language options are not available on some discs.
1 Press **SETUP** in STOP mode.
2 Press ◄ or ► to select "CUSTOM", then press **ENTER**.
  • CUSTOM mode will appear.
3 Press ◄ or ► to select "LAN-GUAGE", then **ENTER** to confirm.
4 Press ▲ or ▼ to select from an item, then press **ENTER**.

AUDIO :
  • Sets the audio language.

SUBTITLE :
  • Sets the subtitle language.

DISC MENU :
  • Sets the language for DVD Menu.

PLAYER MENU : QUICK
  • Sets the language for the On-Screen display.

5 Press ▲ or ▼ to select a setting, then press **ENTER**.
  • If "OTHERS" is selected in the "AUDIO", "SUBTITLE" or "DISC MENU" screen, press four-digit number to enter the code for the desired language. (Refer to page 19.)
  • Only the languages supported by the disc can be select-ed.
6 Press **SETUP** to exit.

NOTE:
  • Language Setting for Audio and Subtitle is not available with some discs. Then use **AUDIO** and **SUBTITLE**.
    Details are on page 15.

To Return All Selections of SETUP (except for RATINGS CONTROL) to their Default Settings

DVD

This allows you to return all selections of SETUP (except for RATINGS CONTROL) to their default settings.
1 Press **SETUP** in STOP mode.
2 Press ◄ or ► to select "INITIALIZE", then press **ENTER**.
  • INITIALIZE mode will appear.
3 Press ▲ or ▼ to select "YES", then press **ENTER**.
4 Press **ENTER** to exit.

NOTE:
  • When you cancel to initialize at step 3, select "NO".

DVD SETUP

Language Code List

Language	Code	Language	Code	Language	Code	Language	Code
A-B		French [FRE]	5264	Macedonian	5957	Siswat	6565
Abkhazian	4748	Frisian	5271	Malagasy	5953	Slovak	6557
Afar	4747	Galician	5358	Malay	5965	Slovenian	6558
Afrikaans	4752	Georgian	5747	Malayalam	5958	Somali	6561
Albanian	6563	German [GER]	5051	Maltese	5966	Spanish [SPA]	5165
Amharic	4759	Greek [GRE]	5158	Maori	5955	Sundanese	6567
Arabic	4764	Greenlandic	5758	Marathi	5964	Swahili	6569
Armenian	5471	Guarani	5360	Moldavian	5961	Swedish [SWE]	6568
Assamese	4765	Gujarati	5367	Mongolian	5960	**T**	
Aymara	4771	Hausa	5447	Nauru	6047	Tagalog	6658
Azerbaijani	4772	Hebrew	5569	Nepali	6051	Tajik	6653
Bashkir	4847	Hindi	5455	Norwegian [NOR]	6061	Tamil	6647
Basque	5167	Hungarian [HUN]	5467	**O-R**		Tatar	6666
Bengali;Bangla	4860	**I-K**		Occitan	6149	Telugu	6651
Bhutani	5072	Icelandic [ICE]	5565	Oriya	6164	Thai	6654
Bihari	4854	Indonesian	5560	Oromo(Afan)	6159	Tibetan	4861
Bislama	4855	Interlingua	5547	Panjabi	6247	Tigrinya	6655
Breton	4864	Interlingue	5551	Pashto;Pushto	6265	Tonga	6661
Bulgarian	4853	Inupiak	5557	Persian	5247	Tsonga	6665
Burmese	5971	Irish [IRI]	5347	Polish	6258	Turkish [TUR]	6664
Byelorussian	4851	Italian [ITA]	5566	Portuguese [POR]	6266	Turkmen	6657
C-E		Japanese [JPN]	5647	Quechua	6367	Twi	6669
Cambodian	5759	Javanese	5669	Rhaeto-Romance	6459	**U-Z**	
Catalan	4947	Kannada	5760	Romanian [RUM]	6461	Ukrainian	6757
Chinese [CHI]	7254	Kashmiri	5765	Russian [RUS]	6467	Urdu	6764
Corsican	4961	Kazakh	5757	**S**		Uzbek	6772
Croatian	5464	Kinyarwanda	6469	Samoan	6559	Vietnamese	6855
Czech	4965	Kirghiz	5771	Sangho	6553	Volapuk	6861
Danish [DAN]	5047	Kirundi	6460	Sanskrit	6547	Welsh	4971
Dutch [DUT]	6058	Korean [KOR]	5761	Scots Gaelic	5350	Wolof	6961
English [ENG]	5160	Kurdish	5767	Serbian	6564	Xhosa	7054
Esperanto	5161	**L-N**		Serbo-Croatian	6554	Yiddish	5655
Estonian	5166	Laothian	5861	Sesotho	6566	Yoruba	7161
F-H		Latin	5847	Setswana	6660	Zulu	7267
Faroese	5261	Latvian;Lettish	5868	Shona	6560		
Fiji	5256	Lingala	5860	Sindhi	6550		
Finnish [FIN]	5255	Lithuanian	5866	Singhalese	6555		

If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio or Subtitle language setting on page 15. If you choose any other languages, "---" will be displayed instead. (3 letter language code is written in bracket.)

EN

TROUBLESHOOTING GUIDE

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

Problem	Solution
No power	–Check if the AC power cord is properly connected.
	–Unplug the outlet once, and wait for 5-10seconds and then plug it in again.
No sound or picture	–Check if the TV is switched on.
	–Check the video connection.
	–Check the VIDEO/AUDIO cable connections to the TV (See Connecting to a TV).
	–Use a DIGITAL AUDIO OUT jack when outputting the DTS audio.
Distorted picture	–Sometimes a small amount of picture distortion may appear. This is not a malfunction.
	–Connect the player directly to th TV.
Completely distorted picture or black/white picture with DVD	–Connect DVD player directly to the TV.
	–Make sure the disc is compatible with the DVD player.
No sound or distorted sound	–Adjust the volume.
	–Check that the speakers are connected correctly.
No audio at digital output	–Check the digital connections.
	–Check if the audio format of the selected audio language matches your receiver capabilities.
No sound and picture	–Check that the VIDEO/AUDIO cable is connected to the correct device (See Connecting to a TV).
Picture freezes momentarily during playback	–Check the disc for fingerprints/scratches and clean with a soft cloth wiping from center to edge.
	–Clean the disc.
Disc can't be played	–Clean the disc.
	–Ensure the disc label is facing up.
	–Check if the disc is defective by trying another disc.
	–Cancel the parental lock or change the control level.
	–Insert a correct disc that plays on this player.
No return to start-up screen when disc is removed	–Reset the player by switching the player off, then on again.
The player does not respond to the remote control	–Aim the remote control directly at the sensor on the front of the player.
	–Reduce the distance to the player.
	–Replace the batteries in the remote control.
	–Re-insert the batteries with their polarities (+/– signs) as indicated.
Buttons do not work or player stops responding	–To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	–Operations may not be permitted by the disc. Refer to the instructions of the disc.
DVD player cannot read CDs/DVDs	–Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD player for repair.

NOTES:

Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Owner's Manual for details on correct operations.
• Playback from a desired track and random playback are not available during program playback.
• Some functions are prohibited on some discs.
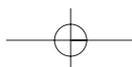
SPECIFICATIONS

OUTPUT SIGNAL FORMAT
PAL colour

POWER SOURCE
240 V AC +/- 10%, 50 Hz +/- 0.5%

POWER CONSUMPTION
12 W (standby: 1.5W)

OPERATING TEMPERATURE
41°F(5°C) to 104°F(40°C)

DIMENSIONS
W 17-1/8" (435 mm)
H 2"   (51 mm)
D 8-1/4"   (211 mm)

WEIGHT
Approx   2.9 lbs (1.3 kg)

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

MAINTENANCE

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 contact the Hitachi dealer who supplied the product or call the Hitachi helpline to locate an Authorized Service Center.

Cleaning the Cabinet
- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs
- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out. Do not wipe in a circular motion.
- Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for analogue records.

Cleaning the disc lens
- If the player still does not perform properly when it is operated while referring to the relevant sections and to "TROUBLESHOOTING GUIDE" in this Owner's 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 unit.

Disc Handling
- 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.

Make your contribution to the environment!!!
- Used up batteries do not belong in the dust bin.
- You can dispose of them at a collection point for used up batteries or special waste. Contact your council for details.
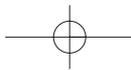
HITACHI
Inspire the Next

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