SAFETY INFORMATION

NOTE:

This player can be used only where the power supply is AC 100~240V, 50/60Hz. It cannot be used elsewhere.

CAUTION:

DVD/CD PLAYER IS A CLASS 1 LASER PRODUCT. HOWEVER THIS DVD/CD PLAYER USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE DVD/CD PLAYER CORRECTLY AS INSTRUCTED.

WHEN THIS DVD/CD PLAYER IS PLUGGED TO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS PLAYER.

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

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF, REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

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

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.
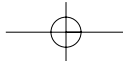
CLASS 1 LASER PRODUCT

(Back of player)

CAUTION   -LASER RADIATION WHEN OPEN.
             DO NOT STARE INTO BEAM.

ATTENTION -RAYONNEMENT LASER EN CAS D'OUVERTURE.
             NE PAS REGARDER DANS LE FAISCEAU.

VORSICHT -LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET.
             NICHT IN DEN STRAHL BLICKEN.

ADVARSEL -LASERSTRÅLING VED ÅBNING.
             SE IKKE IND I STRÅLEN.

ADVARSEL -LASERSTRÅLING NÅR DEKSEL ÅPNES.
             STIRR IKKE INN I STRÅLEN.

VARNING   -LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD.
             STIRRA EJ IN I STRÅLEN.

VARO!   -AVATTAESSA OLET ALTTIINA LASERSÄTEILYLLE.
             ÄLÄ TUIJOTA SÄTEESEEN.

**注意 - 当打开这里会出现激光，
       请不要直视激光。**

注意 - ここを開くとレーザー光が出ます。
       レーザー光をのぞき込まないでください。

(Inside of player)

TABLE OF CONTENTS

FEATURES

❏ **OUTSTANDING SOUND QUALITY**

Dolby Digital system developed by Dolby Laboratories and DTS developed by DTS Inc., features high quality surround sound, can be played in DVD or CD disc at home, to reproduce high quality sound effects.

❏ **HIGH DEFINITION**

The unit adopts MPEG2 coding format and brings the horizontal resolution over 500 lines.

❏ **UNIQUE FUNCTIONS**

Multi-angle and multi-language bring unique trick functions.

Parent lock makes it easy to control the content of discs.

❏ **SCREEN**

Ordinary screen and wide screen (16:9) are available.

❏ **COMPATIBILITY**

The unit can play DVDs, and is compatible with CDs.

❏ **ZOOM**

It can enlarge pictures 1.5 times, twice or four times their size.

❏ **9-PICTURE DIGEST (VCD)**

It can look through the content of discs and select to play.

❏ **MULTI-FUNCTIONS**

Fast forward, fast reverse, slow play, frame play , repeat play and program play.

❏ **TIME SEARCH**

It can search a specific part on a disc, especially good for watching fiction movies.

❏ **RESUME PLAY**

It can memorize the position where the disc is stopped and resume playback.

❏ **CONTENT DISPLAY**

It adopts (a coloured) fluorescent display and English/French/Spanish OSD, making the disc content clearer.

❏ **VIDEO OUTPUT**

Standard video, S-video signal output mode and component output easy system change.
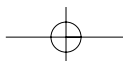
❏ **AUDIO OUTPUT**

Analog audio output, coaxial and optical digital audio output, can be connected with the appropriate amplifier to enjoy high quality sound effects.

❏ **MIC**

Used to make connection with the MIC. Please insert the MIC jack into this socket. The downmix mode is selected analog audio out whenever the MIC are plugged in.

❏ **MIC LEVEL**

Used to adjust the MIC volume.

ABOUT MANUAL

PRINCIPLES FOR WRITING

- This manual mainly introduces how to use buttons on the remote control.

- You may operate the unit if the buttons on the unit have the same or similar names as or to those on the remote control.

- The marks shown in the chart on the right are used in the manual.

MARK	INDICATION
DVD	functions of DVD
SVCD	functions of super-VCD
VCD	functions of VCD
CD	functions of CD

PLAYABLE DISCS

TYPE	MARK	CONTENT	SIZE	PLAYING TIME
DVD	**DVD** VIDEO	audio+video (motion pictures)	12cm	about 2hrs (single-side disc)
				about 8hrs (double-side disc)
			8cm	about 80mins (single-side disc)
				about 160mins (double-side disc)
Super-VCD		audio+video (motion pictures)	12cm	about 45mins
VCD	COMPACT disc DIGITAL VIDEO	audio+video (motion pictures)	12cm	about 74mins
			8cm	about 20mins
CD	COMPACT disc DIGITAL AUDIO	audio	12cm	about 74mins
			8cm	about 20mins
MP3		audio	12cm	about 160mins
CD-R	COMPACT disc Recordable	audio	12cm	about 600mins
CD-RW		audio	12cm	about 600mins

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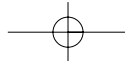
TERMS FOR DISCS

TITLE

The images or music of a DVD are divided into some units, among which title is the biggest one.

When playing a DVD, the movie is the title.

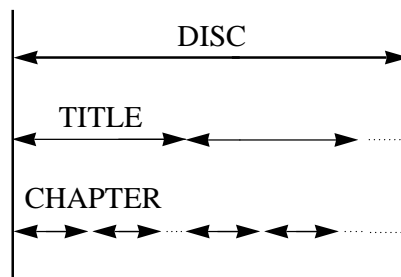When playing a CD, the combined tracks make up the title.

CHAPTER

It is smaller than title among the units of a DVD. A title is made up of several chapters, and each chapter has a number for search. But some discs may not have numbered chapters.
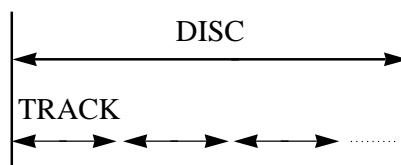
TRACK

In a CD, each track has a number to enable search functions.

STRUCTURE OF DVD

DISC

TITLE

CHAPTER

STRUCTURE OF CD

DISC

TRACK

REGION MANAGEMENT INFORMATION

This unit is designed and manufactured to respond to the Region Management information that is recorded on a DVD disc. The region number of this player is "2". If the region number described on the DVD discs does not correspond to the Region number of this player, the player will not play this disc. This player will play DVD discs made for "ALL" regions. Therefore, this player will play DVD discs marked with labels containing the region number "2" or "ALL".

(Region 2)   (Region ALL)

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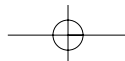
TERMS FOR DISCS (Continued)

SCENE

The menu pictures, motion and motionless pictures of a Super-VCD, VCD or CD with PBC function can be divided into some parts, these parts are scenes. Each scene has a number for search.

PBC (PLAYBACK CONTROL) (SUPER-VCD, VCD)

It is signals recorded in a super- VCD or VCD2.0 to control playback.

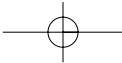| DISC TYPE	FUNCTION
VCD1.1 without PBC	enjoy music and images (motion pictures)
super-VCD and VCD with PBC	Besides the images of VCD1.1, play interactive software with the menu pictures shown on the TV screen (PBC play). If the disc has motionless pictures, high-resolution playback is also available.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.
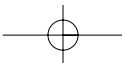
BEFORE OPERATION

SECURITY

- Before operation, check if the voltage of the unit is in line with the local voltage.
- Hold the plug to disconnect it from the mains outlet. Do not pull the power cord.
- When the plug of the unit is connected to the mains outlet , the unit will be still connected to AC even if the power is turned off.
- Disconnect the plug as soon as liquid or objects enter the unit. The unit can not be used until being checked by experts.
- Do not open the cabinet as laser rays employed by the unit may damage eyes. Any servicing should be done by qualified service personnel.

PLACEMENT

- Put the unit where ventilation is good enough to prevent overheating.
- Never put the unit in direct sunlight or near heat sources.
- Put the unit horizontally, never put any heavy object on the unit.
- To protect the pickup, do not put the unit where there is dust. If there is dust on the pickup, use a cleaning disc to clean it. Paying particular attention to the operating instructions of the cleaning disc.

CONDENSATION

Moisture will appear on the pickup lens in the following cases:
- The unit is suddenly moved from a cold place to a warm place.
- The unit is put in a room with a heater, or in cold air from an air-conditioner.
- Using the unit in a humid place. In these cases, the unit can not work. Unload the disc and leave the unit on for about one hour to evaporate the moisture.
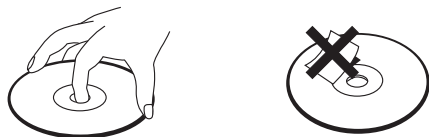
CLEANING

- Use a soft cloth with a little neutral detergent to wipe the cabinet, panel and controls. Never use abrasive paper, polishing powder, solvent like alcohol or gasoline.

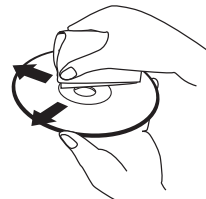# PRECAUTIONS FOR DISC

HANDLING DISC

- To keep the disc clean, do not touch the playsides of the disc.
- Do not attach paper or tape to the disc.

- Keep the disc away from direct sunlight or heat sources.
- Store the disc in a disc case after playback.

CLEANING DISC

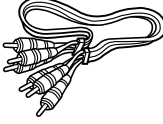- Before playback, wipe the disc outwards from the centre with clean cloth.

- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray.
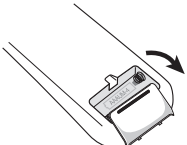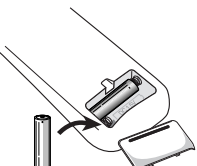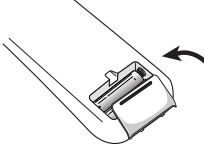
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PREPARATIONS BEFORE OPERATION

This part introduces the work to be done before operating the unit.

CHECK ACCESSORIES

Check if you have all the accessories after the carton is opened.

• Remote control	• AAA batteries	• Video/Audio cord	• Owner's manual

USE REMOTE CONTROL

1. Open the battery compartment.	2. Insert two AAA batteries, make sure to match"+"and "-"of the batteries to the marks in the battery compartment.	3. Close the battery compartment.	4. Point the remote control at the remote sensor. It will operate up to a range of 7 metres and an angle of 30° either side of the remote sensor on the front of the player.

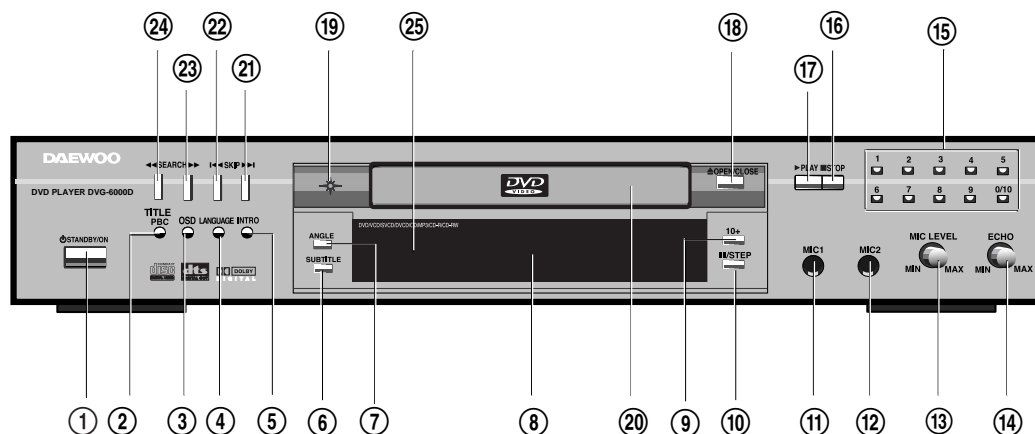**Notes:**

1. Batteries can generally last for about 6 months. Change the batteries if the remote control does not work, or the operating range reduces.

2. If the remote control is not used for a long time, remove the batteries to prevent battery leakage.

3. When 🖑 appears on the TV screen by pressing any button, the disc does not have the pertinent function.
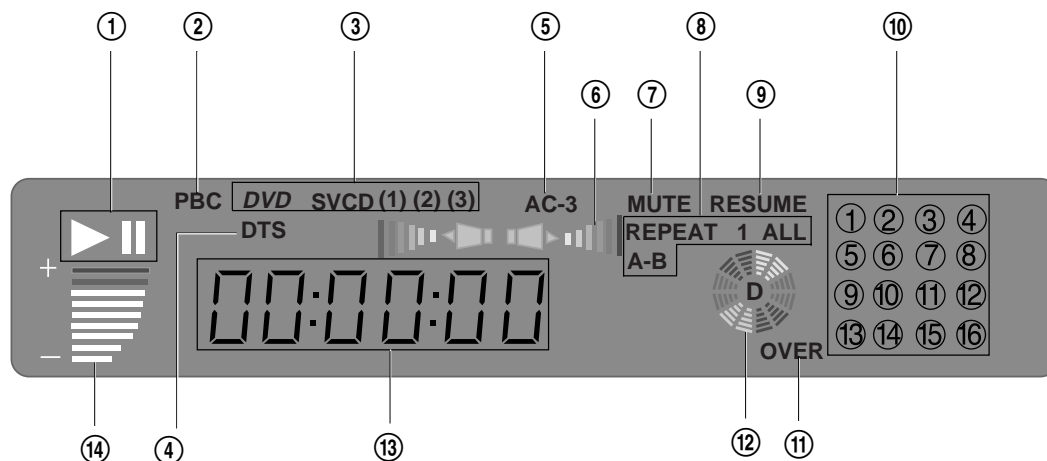
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PREPARATIONS BEFORE OPERATION (Continued)

FRONT PANEL

① STANDBY/ON button

To switch the unit On or Off when connected to AC power outlet

② TITLE /PBC

③ OSD

④ LANGUAGE

⑤ INTRO

⑥ SUBTITLE

⑦ ANGLE

⑧ DISPLAY

Displays operation status

⑨ 10+ NUMBER

⑩ PAUSE/STEP button

Used to view one frame at a time during play. When you continue pressing this button, it will function continuously. Press PLAY/SELECT button for normal play.

⑪ MIC 1 JACK

⑫ MIC 2 JACK

⑬ MIC LEVEL

⑭ ECHO ADJUSTMENT

⑮ NUMBER (1~ 0/10)

⑯ STOP

⑰ PLAY(SELECT) button

To play the loaded disc. Press this button to go to the preferred item when the menu is displayed on the TV screen.

⑱ OPEN/CLOSE button

To open or close the disc tray.

⑲ POWER INDICATOR

⑳ DISK TRAY

To load or unload a disc. Put a disc to be played on here.

㉑ NEXT button

To skip forward to the next chapter (for DVD) or track (for VCD or CD. If playing a Video CD with PBC, this button works as the NEXT button to move to the next play list.

㉒ PREV button

To skip back from the current chapter (for DVD) or track (for VCD or CD).

㉓ FF (Fast Forward) button

To play the disc fast forward.

㉔ FR (Fast Reverse) button

To play the disc fast reverse.

㉕ REMOTE SENSOR

Receives a light signal from the remote controller.

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PREPARATIONS BEFORE OPERATION (Continued)

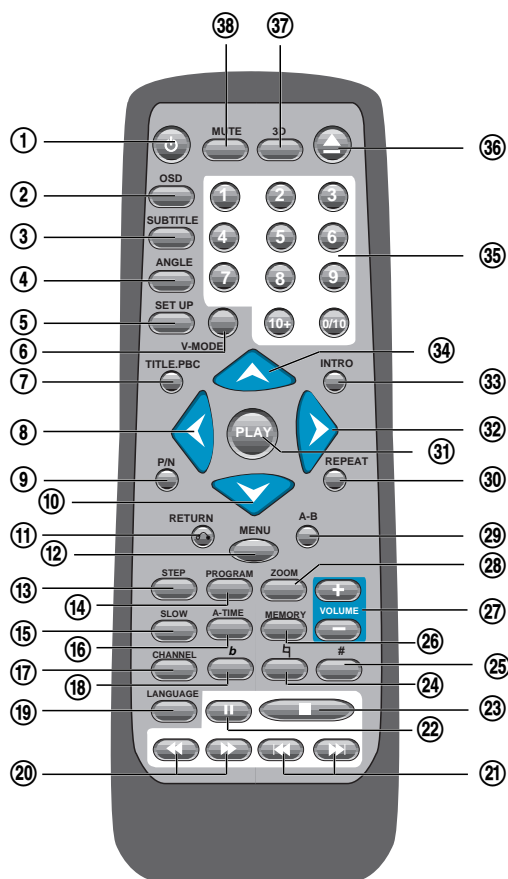## VFD

① PLAY/PAUSE/STEP

Illuminates the current operation mode.

② PBC

Indicates the PBC PLAY under play SVCD or VCD2.0.

③ DVD/SVCD

Illuminates the type of a disc loaded on disc tray.

④ DTS

Indicates the audio type of the disc under play is DTS.

⑤ AC-3

Indicates the audio type of the disc under play is DOLBY DIGITAL.

⑥ AUDIO INDICATION

Illuminates the information of the AUDIO.

⑦ MUTE

Illuminates when MUTE mode.

⑧ REPEAT 1, ALL, A-B

Illuminates when the current play mode is under repeat title, chapter, track (single), disc (all), A-B respectively.

⑨ RESUME

Illuminates when RESUME mode.

⑩ TRACK CALENDAR

Illuminates the information of the TRACK.

⑪ OVER

Illuminates the over than 16 track under play CD or VCD.

⑫ ROTATION

Rotates when the disc is spinning

⑬ TITLE/CHAPTER/TRACK

Illuminates the information of the TITLE, CHAPTER or TRACK of the DVD and CD disc under play.

⑭ VOLUME LEVEL

Indicates the volume level of analog audio output.

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PREPARATIONS BEFORE OPERATION (Continued)

NAMES AND LAYOUT OF REMOTE CONTROLS

① STANDBY/ON
② OSD
③ SUBTITLE
④ ANGLE
⑤ SETUP
⑥ V-MODE
⑦ TITLE.PBC
⑧ LEFT DIRECTION
⑨ SYSTEM(AUTO/NTSC/PAL)
   CONVERT
⑩ DOWN DIRECTION
⑪ RETURN
⑫ MENU
⑬ STEP PLAYING
⑭ PROGRAM PLAYING
⑮ SLOW PLAYING
⑯ TIME-SEARCH PLAYING
⑰ CHANNEL CONVERT
⑱ LOWER TONE
⑲ LANGUAGE SWITCH
⑳ FAST BACKWARD /
   FAST FORWARD SEARCH
㉑ ONE CHAPTER/TRACK
   PREV/NEXT
㉒ PAUSE
㉓ STOP
㉔ ATONIC TONE
㉕ RAISE TONE
㉖ MEMORY (RESUME) PLAYING
㉗ VOLUME (-/+)
㉘ ZOOM PLAYING
㉙ A-B
㉚ REPEAT PLAYING
㉛ PLAY (ENTER)
㉜ RIGHT DIRECTION
㉝ INTRO
㉞ UP DIRECTION
㉟ NUMBER (1~ 10+)
㊱ OPEN/CLOSE
㊲ 3D PLAYING
㊳ MUTE

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PREPARATIONS BEFORE OPERATION (Continued)

REAR PANEL
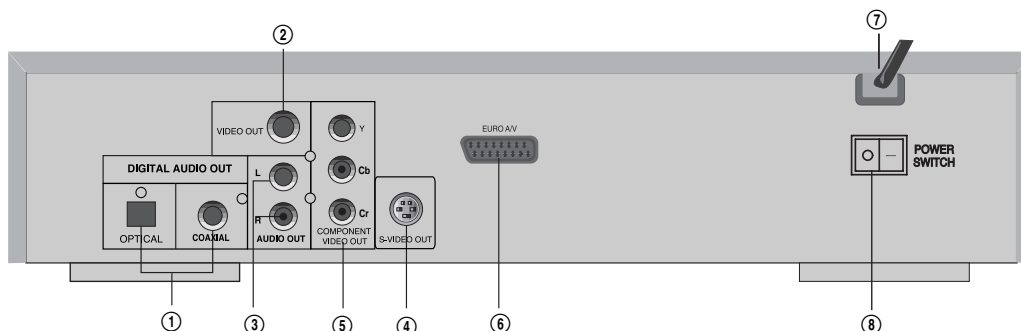
① DIGITAL AUDIO COAXIAL/OPTICAL OUT
Connects digital audio under play mode into an AV amplifier or a receiver equipped with digital audio decoder for you to enjoy the theatre-quality sound in your home.

② VIDEO OUT
Connects composite video signal to input AV or PHONO sockets of TV or monitor to achieve high fidelity colour reproduction.

③ AUDIO OUT (L/R TRACK)
Two phono sockets for analogue 2 channel audio output in order to connect to a TV or stereo amplifier.

④ S-VIDEO OUTPUT
Connects to TV or monitor equipped with S-VIDEO input. In order to achieve a sharper and cleaner picture than that when connected via VIDEO OUT (composite video).

⑤ COMPONENT(Y.Cb.Cr)
Connects to TV or monitor equipped with Component input . In order to achieve a sharper and cleaner picture than that when connected via VIDEO OUT (composite video).

⑥ EURO AV JACK
If VIDEO OUT phono is not utilized, the SCART socket can be used to connect to a TV set, monitor or VCR.

⑦ POWER SUPPLY SOCKET WIRE
Creates POWER between wall outlet and the unit.

⑧ POWER SWITCH
Turns on or off the MAIN POWER.

- ON : Press " ▯ " .
- OFF : Press " ▣ " .

Notes:

- Remove the dust protection cap from the optical digital audio output connector and connect the cable firmly so that the configurations of both the cable and connector match.

- Do not connect to the digital audio input of an amplifier that does not have Dolby Digital and dts decoder when you set the digital out option of setup information to SPDIF/RAW.

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CONNECTIONS

Turn off all equipment before operation.

The unit has many kinds of output modes like A/V output, S-VIDEO output and digital signal output (COAXIAL, OPTICAL). You may select as you need.

CONNECTED TO A TV

* If you use SCART JACK, the other connection is not needed.
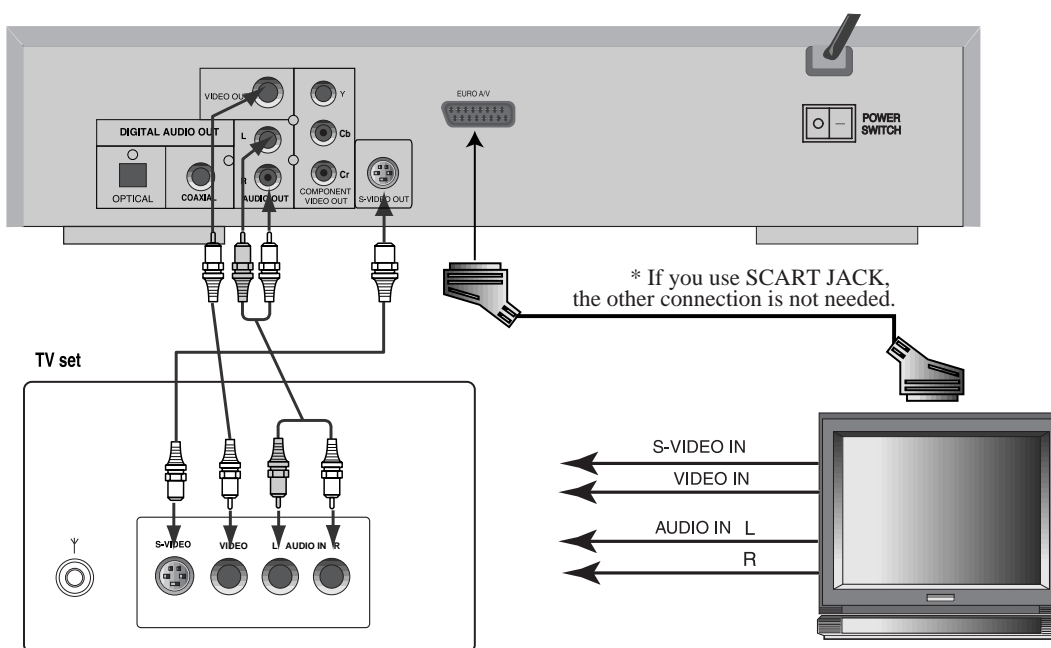
1. If the TV has S -VIDEO input, please connect the unit and the TV with S-video cord (not supplied). You do not have to utilise S-VIDEO but it will give clearer images.

2. Set the unit. You have to set the unit according to the TV connected.
 • If the system of the TV is AUTO (multi-system), press P/N and select AUTO.
 • If the system of the TV is NTSC, press P/N and select NTSC.
 • If the system of the TV is PAL, press P/N and select PAL.
 • Connect the unit to a wide-screen TV.
   Set the "TV DISPLAY" to "WIDE " in the function setting column.
 • Connect the unit to an ordinary TV.
   Set the "TV DISPLAY" to "NORMAL/ PS" (Pan scan) or "NORMAL/ LB" (Letter box) in the function setting column.

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CONNECTIONS (Continued)

CONNECTED TO A TV WITH COMPONENT

* If you use SCART JACK, the other connection is not needed.
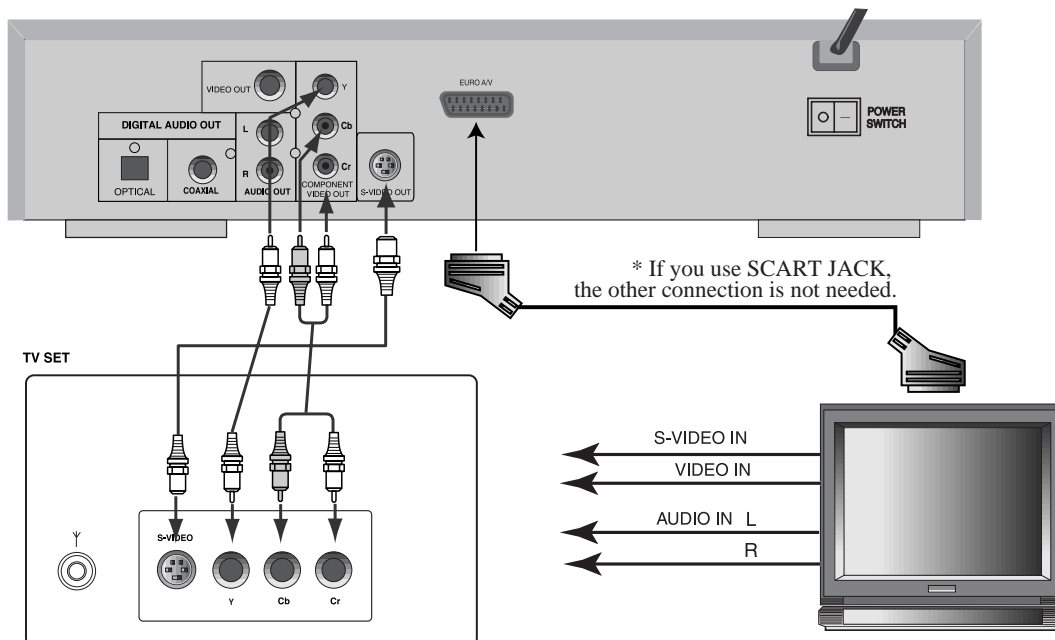
- If the TV has component input, please connect the unit and the TV with component cord (not supplied). You do not have to utilise component but it will give clearer images.

Notes:

- In case of connecting the component, press the V-MODE on the remote control to select YUV.

- When you connect the Composite or S-VIDEO and picture is not displayed, press the V-MODE on the remote control to check if DVD player position in the video mode.

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CONNECTIONS (Continued)

CONNECT TO AN ORDINARY AMPLIFIER
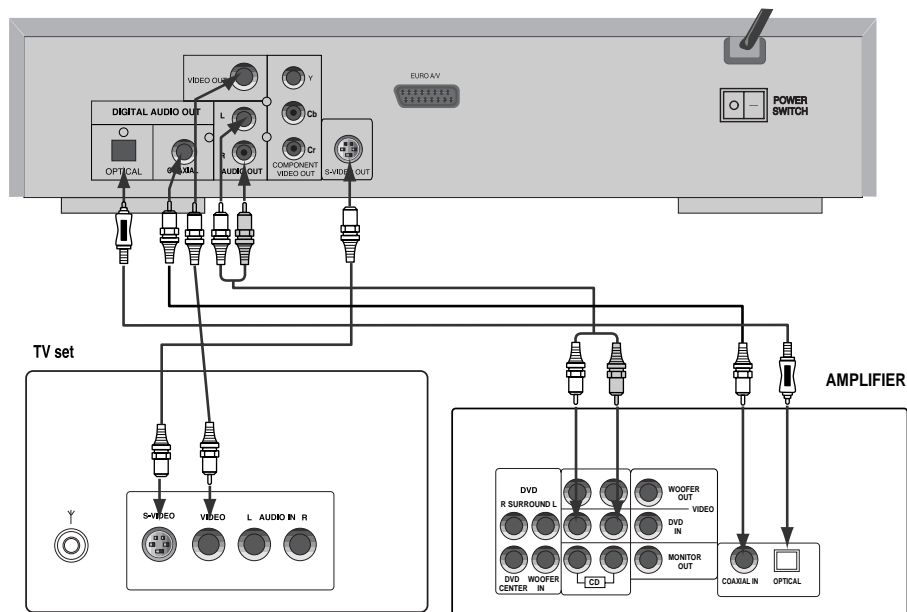
- Optical or coaxial can be selected at your option while connecting

- If you have a DTS decoder of processor, you can enjoy DVD disc or CD sound decoded by 5.1 channel DTS. ie : 5 surround speakers + 1 woofer

- Refer to page 35 for the setting.

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©1992-1997 Dolby Laboratories. All rights reserved.

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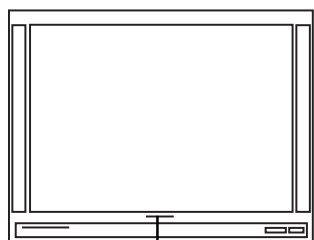
BASIC OPERATIONS

PLAY DISCS

TV/AUDIO SELECTION

Press ▭▭◨ ꜛᴼᴺ ᴼꜰꜰ on the TV and audio system.

1. Press "TV/VIDEO" on the TV, select VIDEO mode (TV).
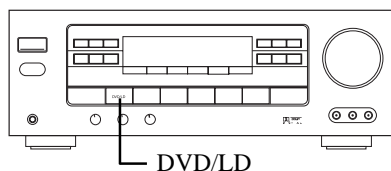
    —— TV/VIDEO

• Select S-VIDEO mode if using an 'S' Video connection.

2. Select the right audio input on the amplifier.

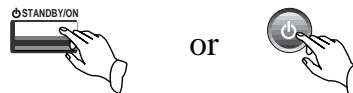• Each amplifier is different from another, please refer to the manual of the amplifier.

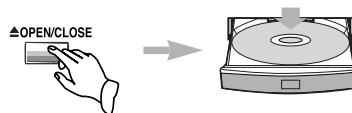(e.g., connect the audio output of the DVD player to the DVD audio input of an amplifier.)

    —— DVD/LD

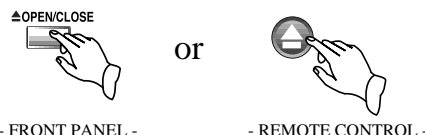Notes: This step can be cancelled if you do not connect it to the amplifier.

1. Press ⏻ to turn on the unit.

⏻STANDBY/ON   or

2. Press ▲ to open the disc tray and load a disc with the label side.

▲OPEN/CLOSE

3. Press ▲ again to close the disc tray. The unit begins to read the disc.

▲OPEN/CLOSE   or

- FRONT PANEL -   - REMOTE CONTROL -

4. Press PLAY to play the disc.

AFTER STEP4 IS FINISHED:

• PLAY DVD
The TV screen shows the DVD menu and title menu.

• PLAY SUPER-VCD, VCD2.0
The TV screen shows the menu, the unit enters PBC status.

• PLAY CD, VCD1. 1 , MP3

Press PLAY, the unit plays the disc according to the track numbers.

5. Stop playback.

Press ■.   ■STOP

• You have to press this button twice to stop the playback of a DVD.   ■STOP

6. Unload the disc and turn off the unit. Press ▲ and ▭ again.

Notes: If the power is not turned on, check whether the power switch on the rear of DVD is turned on.

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BASIC OPERATIONS (Continued)

SYSTEM SETTING

According to the system of the TV to be connected ,set the system of the unit to make it match the TV.

1. If the system of the TV is NTSC
   : Press P/N, select NTSC.
   The screen shows:

2. If the system of the TV is PAL
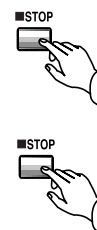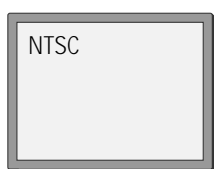   :Press P/N, select PAL.
   The screen shows:
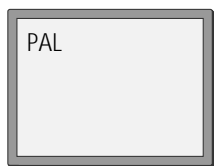
3. If the TV is multi-system
   : Press P/N, select AUTO.
   The screen shows:
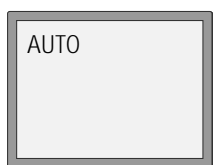
STEP, PAUSE

Press STEP.
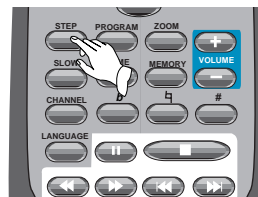
• WHEN PLAYING DVD PICTURES, VCD

   Press STEP to make the playback step. Pressing STEP again moves the picture forward frame by frame.

• WHEN PLAYING MUSIC CD, MP3

   Press II to make the playback pause.

   Press PLAY to resume playback.

OSD

Press OSD , when the unit is operated, the TV screen shows the operation functions and information about the disc.

• Remove the OSD, press OSD 4 times.

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BASIC OPERATIONS (Continued)

VOLUME CONTROL (EXCEPT SPDIF/RAW)

• Press VOLUME on the TV or amplifier to adjust the volume.
• Press VOLUME on the remote control.

1. Press + to raise the volume.

2. Press - to lower the volume.

DVD MENU PLAY

Some DVDs have title menus and chapter menus.

1. Press MENU or TITLE, the screen shows the menu.
   Use direction buttons to select the desired item, then press PLAY .

2. Press TITLE once to return to the title menu; press it again to return to the current playback.
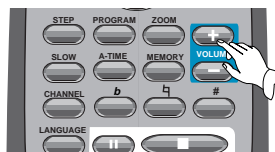   Press MENU once to return to the root menu; press it again to return to the current playback.

Notes:

• When 🖑 appears on the TV screen by pressing TITLE . The disc does not have the title list in the menu.

• When 🖑 appears on the TV screen by pressing MENU . The disc does not have the menu.

MP3 PLAY

1. When an MP3 disc is loaded, MP3 menu screen is displayed automatically depending on MP3 disc's folder (directory) structure as shown below.

	SMART NAV1	
CD-1	CD-1	0
CD-2	MP3 01-ABC	1
CD-3	MP3 02-BCE	2
	MP3 03-EIC	3
	MP3 04-FGH	4
	MP3 05-ADC	5
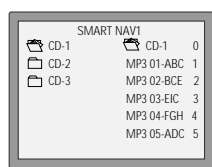
2. Use the direction button to select the folder you want to play, by pressing the PLAY button. This button allows, you to see the file lists under the folder.

3. Use the direction button and select an MP3 title using the PLAY button then play will start automatically. When you know the title number, enter the MP3 title number using the numeric buttons on the remote control and then press the PLAY button.

4. Press NEXT button on the remote control to choose next title. Press PREV button for previous title. When you know the title number, enter MP3 title number using the numeric buttons on the remote control and then press the PLAY button.

OTHER FUNCTIONS

When playing a MP3 disc, the unit has functions like mute, volume control, pause, previous/next track, repeat and channel selection. You may operate as you do with a CD.

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BASIC OPERATIONS (Continued)

PBC PLAY

When playing a super-VCD or VCD2.0, you can enjoy the basic interactive function.

Example: VCD2.0

1. Press ►, the screen shows the home menu.

2. Press number buttons to select.

Example: select home menu1.

3. The screen shows the sub-menu after the unit enters home menu1.

4. Press ◄◄,►► to see the previous or next page.

5. Press number buttons to select sub-menus.

6. Press RETURN to return to the sub-menu, press it again to return to the home menu.

SELECT WITH NUMBER BUTTONS (IN CASE OF CD)

Load a disc. Press number buttons to select tracks after the unit finishes reading the disc.

1. If the track number is less than 10, just press buttons 1-10.

   Example: press 8 to select track 8.

   The screen shows:
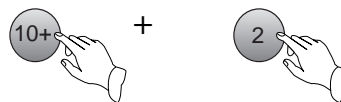
   ```
   SELECT 08
   00:00:21
   ```
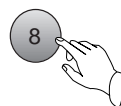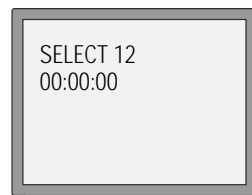
2. If the track number is over 10, press 10+ once and a button among 1-10.

   Example: if you select track 12, press 10+ once and button 2.

   10+ + 2

   The screen shows:
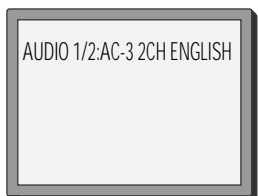
   ```
   SELECT 12
   00:00:00
   ```

EXCHANGE DISCS
1. Press ⏏ to open the disc tray.
2. Unload the disc and load another one.
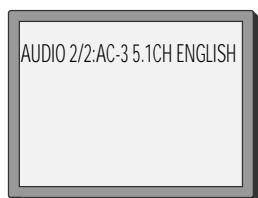3. Press ⏏ again to close the disc tray.

PLAY DISCS IN VARIOUS WAYS

SELECT LANGUAGE

WHEN PLAYING DVD

Press LANGUAGE , the screen shows as below.

AUDIO 1/2:AC-3 2CH ENGLISH

Press LANGUAGE again.

AUDIO 2/2:AC-3 5.1CH ENGLISH

Different discs differ in languages.

SELECT CHANNEL

WHEN PLAYING CD

CHANNEL → MONO LEFT

CHANNEL → MONO RIGHT
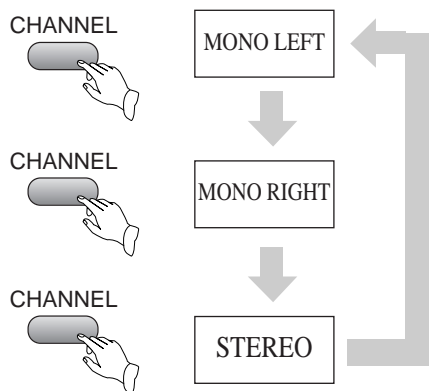
CHANNEL → STEREO

You may select one mode.

Note:

• Different discs differ in languages.

• CHANNEL works when playing a super-VCD, you may select mono channel (left or right) or stereo.

• As to a two-language fiction VCD, you may press LANGUAGE to select a needed language.

MUTE

When playing a disc, this function can remove the sound.

1. REMOVE SOUND

Press MUTE, the screen shows "MUTE".

MUTE

MUTE

2. RESUME SOUND

Press MUTE again.

MUTE OFF

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PLAY DISCS IN VARIOUS WAYS (Continued)

FAST PLAY

When playing a disc, you may play it in Cue or Review mode to find what you want.

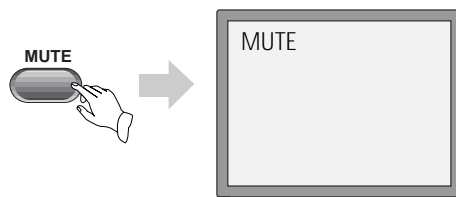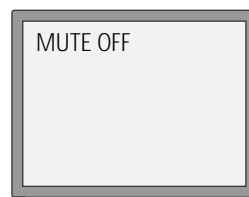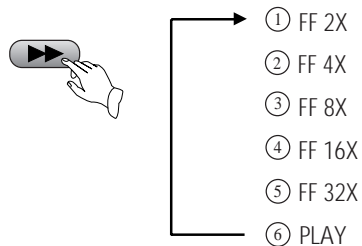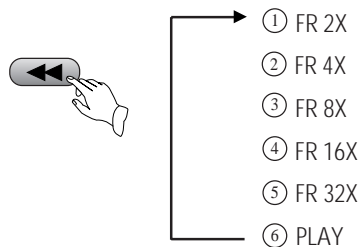### WHEN PLAYING DVD

1. Press ▶▶ to play forward fast. Each time you press the button, the screen shows in order:

   ① FF 2X
   ② FF 4X
   ③ FF 8X
   ④ FF 16X
   ⑤ FF 32X
   ⑥ PLAY

2. Press ◀◀ to reverse the disc fast. Each time you press the button, the screen shows in order:

   ① FR 2X
   ② FR 4X
   ③ FR 8X
   ④ FR 16X
   ⑤ FR 32X
   ⑥ PLAY

3. Press **PLAY** to switch back to normal play.

> Notes: In case of fast play (DVD) mode , slow play mode or step mode, the sound is muted.

WHEN PLAYING SUPER-VCD or VCD

1. Press ▶▶ to play forward fast. Each time you press the button, the screen shows in order:
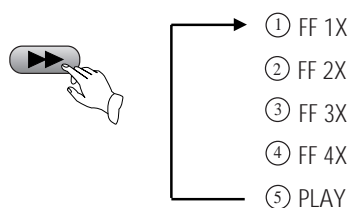
   ① FF 1X
   ② FF 2X
   ③ FF 3X
   ④ FF 4X
   ⑤ PLAY

2. Press ◀◀ to reverse the disc fast. Each time you press the button, the screen shows in order:
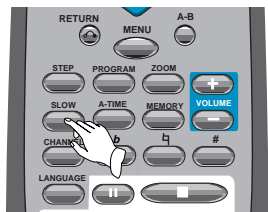
   ① FR 1X
   ② FR 2X
   ③ FR 3X
   ④ FR 4X
   ⑤ PLAY
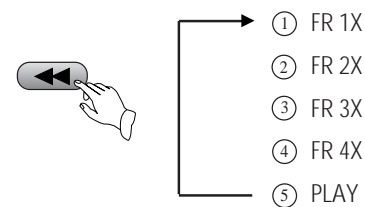
WHEN PLAYING CD, MP3

1. Press ▶▶ to play forward fast.
2. Press ◀◀ to reverse the disc.
3. Release ▶▶ (or ◀◀) to play normally.
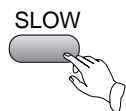
PLAY DISCS IN VARIOUS WAYS (Continued)

SLOW PLAY

Enjoy slow motions by the following steps.

■ WHEN PLAYING DVD

1. Press SLOW to play slowly.

SLOW

The screen shows in order:

→ SF 2X → SF 4X → SF 8X → SR 2X → SR 4X → SR 8X → PLAY →
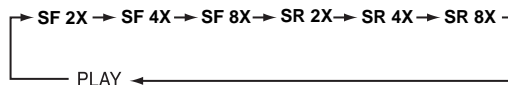
2. Press PLAY to play normally.

■ WHEN PLAYING SUPER-VCD or VCD

1. Press SLOW to play slowly. The unit has three steps for slow play.

The screen shows orderly.

SLOW
① SF 1X
② SF 2X
③ SF 3X
④ PLAY
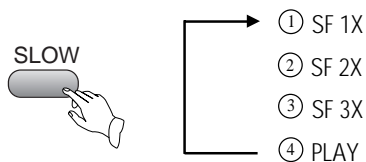
2. Press PLAY to play normally.

REPEAT PLAY

This function can be used to repeatedly play a title, chapter, track, disc or some parts on a disc.

A-B
REPEAT

PLAYING A DISC REPEATEDLY

■ DVD

You may repeat a title or chapter.

1. Repeat a chapter.
Press REPEAT, the screen shows: "CHAPTER REPEAT ON".

REPEAT | CHAPTER REPEAT ON

2. Repeat a title
Press REPEAT, the screen shows: "TITLE REPEAT ON"

REPEAT | TITLE REPEAT ON
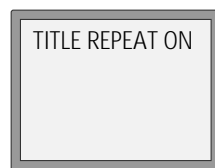
3. Remove "REPEAT" function.
Press REPEAT, to remove the display on the screen.

→ CHAPTER REPEAT ON → TITLE REPEAT ON → REPEAT OFF →

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PLAY DISCS IN VARIOUS WAYS (Continued)

REPEAT SOME PARTS (EXCEPT MP3)

You may press [A-B] to enjoy some parts repeatedly when playing a disc.

■ **Super-VCD**, **VCD**, **CD**, **MP3**

• You may repeat a track, a disc according to the following steps

• VCD 1.1 and CD can play repeatedly directly.

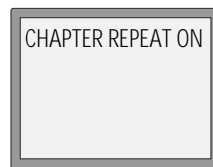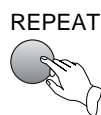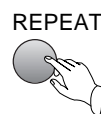• Super VCD and VCD 2.0 can play repeatedly in PBC OFF mode.

• After the unit stops, press number buttons directly to select tracks.

1. Repeat one track

    Press [REPEAT] , the screen shows: "REP- ONE".

    REPEAT   REP-ONE

2. Repeat a CD

    Press [REPEAT] , the screen shows: "REP- ALL".

    REPEAT   REP- ALL

3. Remove "REPEAT" function. Press [REPEAT] , to remove the display on the screen.

    REPEAT   REPEAT OFF

► REP- ONE ⟶ REP- ALL ⟶ REPEAT OFF

■ **PLAY DVD**, **SUPER-VCD**, **VCD**, **CD**

1. Set a starting point A.

    The screen shows:

    A-B   A TO B SET A
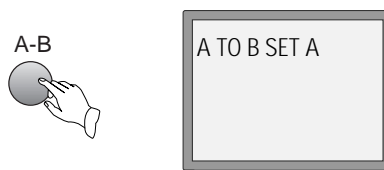
2. Set an end point B.

    The screen shows:

    A-B   A TO B SET B
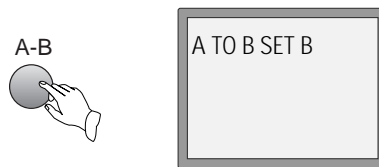
Afterwards, the unit plays from A to B.

3. Remove A-B repeat

    The screen shows:

    A-B   A TO B CANCELLED

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Downloaded From Disc-Player.com Daewoo Manuals
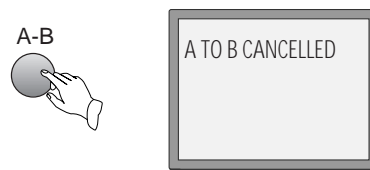
PLAY DISCS IN VARIOUS WAYS (Continued)

SELECT SUBTITLES

When playing a multi-subtitle DVD or super-VCD, you may select one subtitle to show it on the screen.
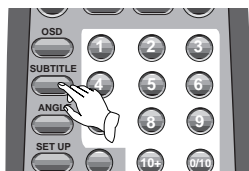
■ WHEN PLAYING DVD

1. Press SUBTITLE to select one.

   The screen shows:

   SUBTITLE 01/03:ENGLISH

2. Remove the subtitle.

   Press SUBTITLE until the screen shows "SUBTITLE OFF".

Notes:

- For some discs, subtitles can not be removed.

- Different discs differ in the languages of subtitles.

- If the subtitles of discs can not be selected, press SUBTITLE , the screen shows forbidden mark.

■ SUPER-VCD

A super-VCD has only four channels for recording, so it has four subtitles at the most.

Press SUBTITLE, the screen shows orderly:

SUBTITLE

① SUBTITLE 01/04
② SUBTITLE 02/04
③ SUBTITLE 03/04
④ SUBTITLE 04/04
⑤ SUBTITLE OFF
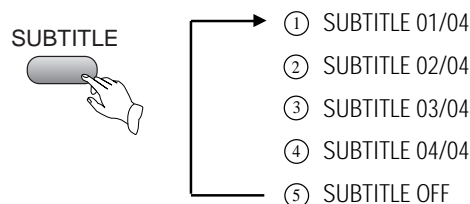
You may select a subtitle as you need. Some discs may not have "SUBTITLE OFF" function.

PLAY DISCS IN VARIOUS WAYS (Continued)

SELECT ANGLES

Some discs have images with different screen angles, you may select among them. For example,when you watch a running train, you may select to watch it from the front, the left window or the right window without stopping it.

Example:

A DVD has four screen angles at your option.

1. Press ANGLE to select ANGLE1.

SCREEN
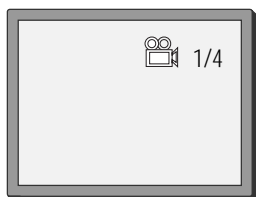
2. Press ANGLE to select other angles, the screen shows respectively:

   2/4 (select ANGLE2)

   3/4 (select ANGLE3)

   4/4 (select ANGLE4)

3. Resume normal playback. Press ANGLE until there is no display on the screen.

3D SURROUND

This function outputs 3D effects on the stereo audio analog output 3D effects are broken down into 4 surround modes.
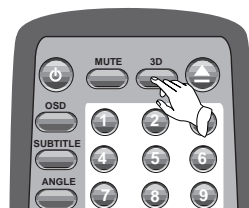
1. Press 3D button.
   3D SURROUND MODE 1 is displayed on TV screen. And analog stereo output is changed to surround mode 1.
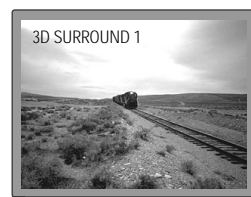
2. Press 3D button again.
   Press the 3D button continuously until the desired 3D sound mode is selected.

Notes: This 3D function is operated in case only that the AUDIO OUTPUT is set to the ANALOG or SPDIF/PCM.

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PLAY DISCS IN VARIOUS WAYS (Continued)

TIME SEARCH AND REMAINING TIME

 — A-TIME

TIME SEARCH

You may directly enter a time, title or chapter number to search fast on a disc, the unit plays from the point entered.

■ PLAY DVD

1. Search a title or a chapter.

   Example: Search chapter 2 in title 2.

   • Press A-TIME, the screen shows:

   ```
   TITLE 03/03 CHAPTER 01 /04
   ```
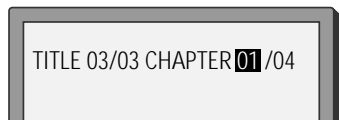
   • Press the left or right button and move the cursor to illuminate the title number. The screen shows:

   ```
   TITLE 03/03 CHAPTER 01 /04
   ```
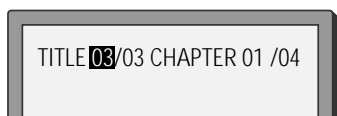
   • Press button 2 to select title 2, the screen shows:

   ```
   TITLE 02/03 CHAPTER 01 /04
   ```
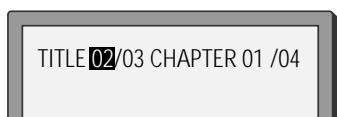
   • Repeat the steps above, select chapter 2 in title 2.

   ```
   TITLE 02/03 CHAPTER 02 /04
   ```
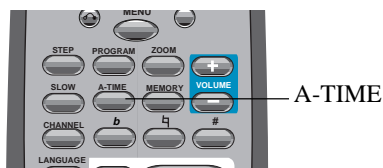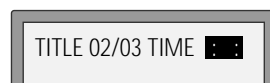
2. Time search
   • Press A-TIME until the screen shows:

   ```
   TITLE 02/03 TIME  :
   ```
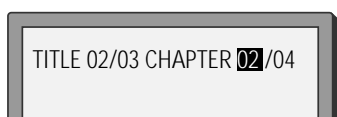
   • Press number buttons to enter hour, minute and second.

Example: Enter 0, 1, 0, 2, 3, 8

After setting, the disc is played from 01:02:38.

■ PLAY SUPER-VCD, VCD, CD

You can only enter a time to search the content from that time.

Example: Play from 01:38 of track 6.

1. Press button 6 to select track 6. The screen shows:

   ```
   SELECT: 06
   ```

2. Press A-TIME, the screen shows:

   ```
   GO TO __:__
   ```
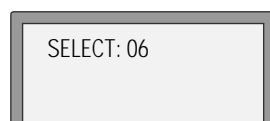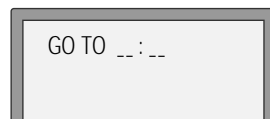
3. Press button 0, 1, 3, 8 to enter the time. The screen shows:

   ```
   GO TO 01:38
   ```
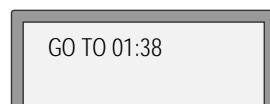
   • The unit plays from 01:38 of track 6 after setting.

   • Press 0/10 to enter 0.

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PLAY DISCS IN VARIOUS WAYS (Continued)

RESUME PLAY

The unit can memorize the last point where it stops and resume playback from there.

■ WHEN PLAYING CD

1. Press STOP to stop playing.
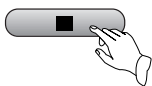
2. Press MEMORY to resume playback.

MEMORY
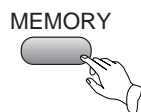
Notes:

1. This function does not work for any programmed playback.

2. This function is removed when the disc is unloaded or the unit is off.

ZOOM PLAY

This function can be used to enjoy a motion or motionless picture.
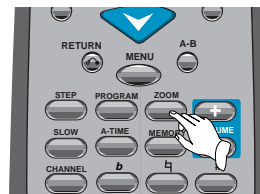
■ DVD/SUPER-VCD/VCD

1. Press ZOOM when playing a DVD, the screen shows:

ZOOM X1.5
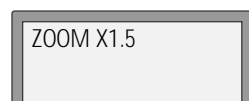
The picture is enlarged 1.5 times as big.

2. Press ZOOM again. the screen shows:

ZOOM X2
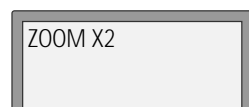
The picture is enlarged twice as big.

3. Press ZOOM again. the screen shows:

ZOOM X4

The picture is enlarged four times as big.

4. Press ◄,▲,▼,► to move the enlarged picture.

5. To resume the picture, press ZOOM once more, then screen shows "ZOOM OFF".

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PLAY DISCS IN VARIOUS WAYS (Continued)

PROGRAM PLAY (VCD, AUDIO CD only)

You may program the tracks on a disc and play them in the programmed order.

■ WHEN PLAYING SUPER-VCD, VCD, CD

1. After the unit stops, press PROGRAM to select.

PROGRAM

The screen shows:

PROGRAM P00:00
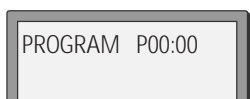
2. Press number buttons in order, according to the track to be programmed.
Example: Press 2, 4, 6, 8.

screen

2

PROGRAM P01:02

8

PROGRAM P04:08
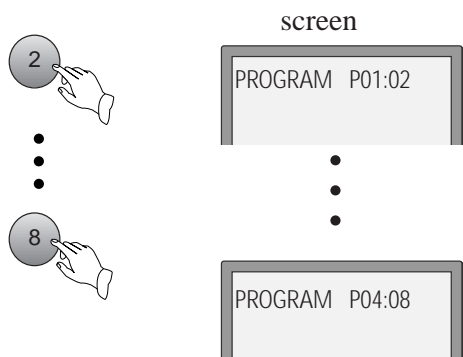
Notes:

P＊＊:＊＊
            track number
            program order

3. Press PLAY to start playing.

4. Press PROGRAM twice to remove program play.

DIGEST PLAY (VCD, AUDIO CD only)
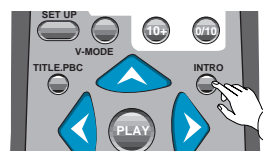
■ WHEN PLAYING SUPER-VCD, VCD

1. Press INTRO after the unit stops.
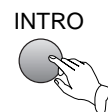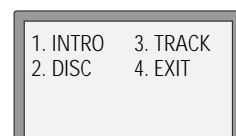
INTRO

The screen shows:

1. INTRO   3. TRACK
2. DISC   4. EXIT

2. Press number buttons to select a digest mode.

Press button 1 for intro mode.

1
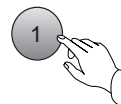
The unit plays each scene for about 10 seconds.

3. Press button 2 for disc digest.

2

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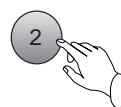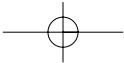
PLAY DISCS IN VARIOUS WAYS (Continued)

The unit shows the starting picture of all the scene on the screen simultaneously.

SCENE01	SCENE02	SCENE03
SCENE08	SCENE09	SCENE04
SCENE07	SCENE06	SCENE05

If the scene number is more than 9, press ▶▶ to look at the next picture.

4. Press number buttons to select a track.

Press button 3 for scene digest.

Press ▶▶ to select a track.

The unit divides scene 3 into nine parts ans shows the starting picture of each part on the screen.

1	2	3
8	9	4
7	6	5

5. Press button 4 to exit from digest play.

6. Remove digest play.

Press ■, digest play is removed and the unit stops.
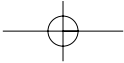
PLAY DISCS IN VARIOUS WAYS (Continued)

■ WHEN PLAYING CD

1. Press INTRO after the unit stops.
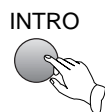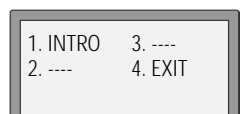
INTRO

The screen shows:

```
1. INTRO    3. ----
2. ----      4. EXIT
```

2. Press number buttons to select a digest mode.

Press button 1 for intro mode.

1
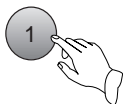
The unit plays the first 15 seconds of each track one after another.

Press ⏮,⏭ to play the first 15 seconds at the previous or next track.

3. Press button 4 to exit from digest play.

4

4. Remove digest play.

Press ■, digest play is removed and the unit stops.

■
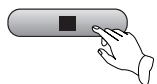
Notes : CD only has "INTRO" function.

PLAY KARAOKE

■ Load a karaoke disc and play it.

1. Set karaoke disc and play it.

2. Insert the microphone into MIC1 or MIC2.

MIC1   MIC2

3. Turn knob "MIC LEVEL" and "ECHO" to obtain the needed degree.

MIC LEVEL   **ECHO**
MIN MAX   MIN MAX
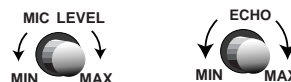
4. Push number buttons to select tracks.

■ KEY CONTROL

You may change the pitch to adapt to your voice.

1. Push **#** to raise the pitch.

#
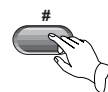
Each time you push the button, the pitch is raised by one step. It can be raised by 7 steps at the most.

2. Push ♭ to lower the pitch.

♭
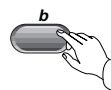
Each time you push the button, the pitch is lowered by one step. It can be raised by 7 steps at the most.

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FUNCTION SETTING

DVD MENU SETTING

According to the recorded information and external equipment,set the following functions for DVD to obtain the best playing status.

1. Press SETUP to set the main menu.

SETUP

The screen shows:

```
SETUP MENU -- MAIN PAGE
▶GENERAL  SETUP
▶DOLBY DIGITAL SETUP
▶PREFERENCES

EXIT SETUP
```
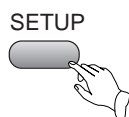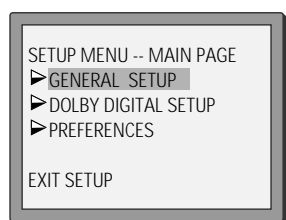
2. Press direction buttons (▲,▼) and press PLAY to confirm.

   Example: Set "DUAL MONO" in "DOLBY DIGITAL SETUP" to "L- MONO".

   • Press direction button ▼ to select. The screen shows:

```
SETUP MENU -- MAIN PAGE
▶GENERAL  SETUP
▶DOLBY DIGITAL SETUP
▶PREFERENCES

EXIT SETUP
```
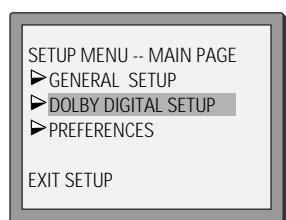
   • Press PLAY to confirm and enter "DOLBY DIGITAL SETUP ".

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The screen shows:

```
-- DOLBY DIGITAL SETUP --
OP MODE      LINE OUT
DUAL MONO
DYNAMIC

▶MAIN PAGE
```
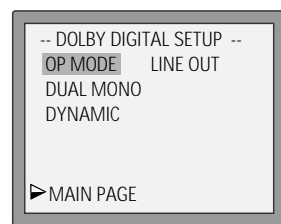
After entering the menu, the unit automatically selects a column.
• Press the direction button ▼ to select "DUAL MONO".

The screen shows:

```
-- DOLBY DIGITAL SETUP --
OP MODE
DUAL MONO  STEREO
DYNAMIC    L-MONO
           R-MONO
           MIX-MONO
▶MAIN PAGE
```
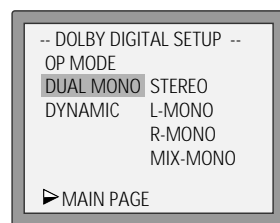
Press direction button ► ,▼ to select "L- MONO"

The screen shows:

```
-- DOLBY DIGITAL SETUP --
OP MODE
DUAL MONO  STEREO
DYNAMIC    L-MONO
           R-MONO
           MIX-MONO
▶MAIN PAGE
```
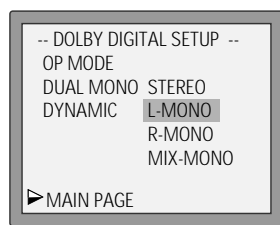
• Press PLAY to confirm.

FUNCTION SETTING (Continued)

3.Exit from menus.

Using direction buttons go to "▶MAIN PAGE" menu, then press (PLAY).
The screen shows.

```
SETUP MENU--MAIN PAGE
▶GENERAL SETUP
▶DOLBY DIGITAL SETUP
▶PREFERENCES

EXIT SETUP
```
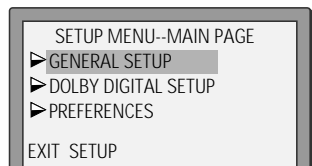
• To select "GENERAL SETUP" menu, press (PLAY) .

GENERAL SETUP

The setting structure is as follows:

```
┌─ TV DISPLAY      >> NORMAL/PS
│                     NORMAL/LB
│                     WIDE
├─ TV TYPE         >> AUTO
│                     NTSC
│                     PAL
├─ PIC MODE        >> AUTO
│                     HI-RES
│                     N-FLICKER
├─ ANGLE MARK      >> ON
│                     OFF
├─ OSD LANG        >> ENGLISH
│                     FRENCH
│                     SPANISH
├─ AUDIO OUT       >> ANALOG
│                     SPDIF/RAW
│                     SPDIF/PCM
├─ CAPTIONS        >> ON
│                     OFF
├─ SCR SAVER       >> ON
│                     OFF
│
└─ MAIN PAGE
```

■ TV DISPLAY

1. NORMAL/ PS (PAN SCAN)
This is selected when the unit is connected with a normal TV.
Wide-screen images are shown on the screen, but with some parts cut automatically.

2. NORMAL / LB (LETTER BOX)
This is selected when the unit is connected with a normal TV. Wide-screen images are shown on the screen, with black belt on the top and bottom.

3. WIDE
This is selected when the unit is connected with a wide-screen TV.

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FUNCTION SETTING (Continued)

■ TV TYPE

You may select according to the colour system of the TV to be connected.

- Select "AUTO" for a multi-system TV.
- Select "NTSC" for a NTSC TV.
- Select "PAL" for a PAL TV.

■ PIC MODE

- Select "AUTO" for automatically setup.
- Select "HI-RES" for high-resolution picture.
- Select "N-FLICKER" for no flicker picture.

■ ANGLE MARK

This only works when there is an angle mark on the disc.
- Select "ON",the screen shows the mark when playing a DVD.
- Select "OFF",the mark is not shown.

■ OSD LANGUAGE

- ENGLISH

  The OSD is in English.

- FRENCH

  The OSD is in French.

- SPANISH

  The OSD is in Spanish.

■ AUDIO OUT

- ANALOG: No signal is output from the coaxial and optical port.

- SPDIF/RAW: Select this when the DVD player is connected with a power amplifier through coaxial port, refer to page 15. When a Dolby Digital DVD, DTS DVD or MPEG DVD is played, the coaxial port will output in the corresponding digital(Source code) format. The power amplifier to be connected must have Dolby Digital, DTS and MPEG decoding.

- SPDIF/PCM: Select this when the DVD player is connected with a 2-channel digital mode or stereo amplifier (refer to page 15 for the connection). When a Dolby Digital or MPEG DVD is played, the coaxial port will output in PCM 2-channel format.

Notes:

In case of selecting SPDIF/RAW or SPDIF/PCM, no signal is output from the audio analog output.

■ CAPTIONS

CAPTION was invented for hearing impaired person. But it is very useful when learning foreign languages. If your TV supports closed caption, select ON. If not, closed caption won't be displayed.

- ON : The hidden subtitle is shown.

- OFF : The hidden subtitle is turned off.

■ SCREEN SAVER

Start the screen saver, the screen saver image appears when the unit stops or the image is frozen for a few minutes. This saver can keep the screen from being damaged.

- ON: Start the screen saver.

- OFF: Remove the screen saver.

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FUNCTION SETTING (Continued)

DOLBY DIGITAL SETUP

The setting structure is :

```
      - -DOLBY DIGITAL SETUP PAGE - -
─── OP MODE          >>  LINE OUT
─── DUAL MONO        >>   STEREO
                          L-MONO
                          R-MONO
                          MIX-MONO
─── DYNAMIC          >>  FULL
                          6/8
                          4/8
                          2/8
                          OFF
└──►MAIN PAGE
```
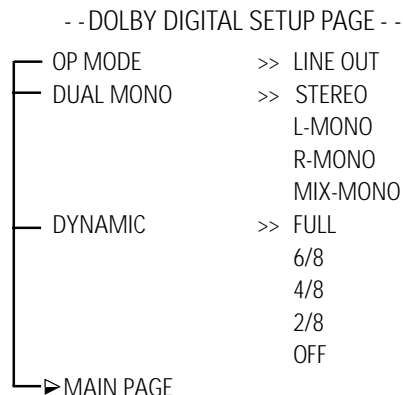
■ OP MODE

• LINE OUT: Compress input signals
  linearly.

■ DUAL MONO

There is the output mode of the L and
R signals of the set audio output. If it is
set to "MIX-MONO", the function only
works when the DVD being played is
5.1-channel.

■ DYNAMIC

When the compression mode is set to
"LINE OUT", this is selected to adjust
linear compression rate to obtain the
different compression results of the
signals.

PREFERENCES

The setting structure is :

```
┌── AUDIO         >> ENGLISH
│                    FRENCH
│                    SPANISH
│                    GERMAN
│                    ITALIAN
│                    DUTCH
│
├── SUBTITLE      >> ENGLISH
│                    FRENCH
│                    SPANISH
│                    GERMAN
│                    ITALIAN
│                    DUTCH
│                    OFF
│
├── DISC MENU     >> ENGLISH
│                    FRENCH
│                    SPANISH
│                    GERMAN
│                    ITALIAN
│                    DUTCH
│
├── PARENTAL      >> 1. G
│                    2.
│                    3. PG
│                    4. PG 13
│                    5.
│                    6. PG-R
│                    7. NC-17
│                    8. ADULT
│                    NO PARENTAL
│
├── PASSWORD      >> CHANGE
│                    >> OLD PASSWORD
│                       NEW PASSWORD
│                       CONFIRM PWD
│
├── DEFAULTS      >> RESET
│
└── ►MAIN PAGE
```
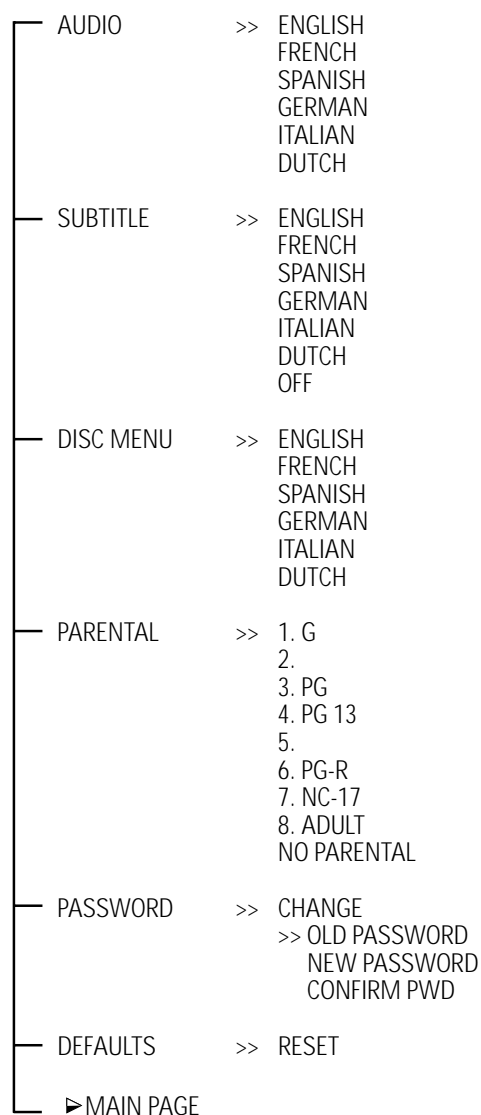
Notes:

To enter into the preference setting mode
during the play, press the STOP button twice.

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FUNCTION SETTING (Continued)

■ SELECT LANGUAGE

If a language mentioned above is recorded on the disc, you can select audio, subtitle or disc menu languages. If not, the language recorded on the disc is shown.

■ PARENTAL

The content of a disc with lock function is evaluated by grades.

You may select an age control grade as you need.

Example: Select "G", the scenes of violence inadvisable are not played to children.

For adults, the screen suggests you enter the code after pressing (PLAY) , you can watch if the password is right.
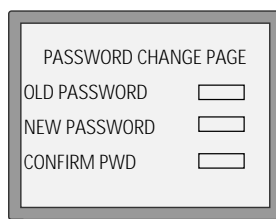
Notes: The password is set by yourself

■ PASSWORD

- -PASSWORD SETUP - -

PASSWORD >>CHANGE>> OLD PASSWORD
NEW PASSWORD
CONFIRM PWD

Select this to adapt the code, the screen shows:

PASSWORD CHANGE PAGE

OLD PASSWORD [   ]

NEW PASSWORD [   ]

CONFIRM PWD [   ]

Enter a password according to the screen.

Notes:

The password is 3308 when the unit is turned on initially or you forget the password.

■ DEFAULTS >> RESET

Each function setting returns to the initial status in the factory if you select this.

TROUBLESHOOTING

If you experience the following problems while using the unit, this troubleshooting guide can help you.

No sound
• Check if you press the MUTE.
• Check if the unit is properly connected.
• Make sure you operate the TV or amplifier correctly.
• Make sure the DVD player or the amplifier position is properly selected .
• Make sure the audio output is set properly . (Check the audio output mode of the general setup in Setup menu)
• Check whether the disc plays in slow or fast forward (or reverse) mode.

No image
• Check if the unit is properly connected.
• Make sure you operate the TV correctly.
• Make sure you set the colour system correctly.

Bad sound quality
• Make sure the audio output mode is set correctly.
• Make sure the audio connection between the unit and amplifier is right.
• Check whether the disc is dirty or damaged.

Image rolls and no colour
• The colour system set by this unit does not match with that of TV. Press P/N on the remote control to select the correct one.
• Check whether the disc is dirty or damaged.

Disc can not be played
• There is no disc in the unit.
• Insert the disc on the disc tray properly with the label side up.
• Clean the disc.
• Moisture has condensed in the unit. Remove the disc and leave the unit on for about one hour.
• Make sure that the area code of disc is 2 or All. (In case of DVD, it may not play the disk which come from abroad.)

Remote control does not work
• Remove barriers between the remote control and the unit.
• Point the remote control at the remote control sensor of the unit.
• Replace the batteries with new ones.
• Reference page 8.

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TECHNICAL SPECIFICATIONS

Laser		wavelength 650nm
Television signal		NTSC /PAL/AUTO
Frequency response		20Hz ~ 20KHz
Audio Signal/noise ratio		≥ 90dB (At 1KHz, JIS A-Weighted)
Audio distortion + noise		≤ - 60dB (At 1KHz, 0dB)
Channel separation		≥ 90dB (1KHz)
Dynamic range		≥ 85dB (1KHz)
Output Audio	Analog	output level : 2.0 ± 0.2Vrms (Load impedance : 10KΩ)
	Digital	output level : 0.5 ± 0.1Vp-p (Load impedance : 75Ω)
Output Video	Composite	output level : 1.0 ± 0.2Vp-p (Load impedance : 75Ω, imbalance, negative polarity)
	S-video	output level : brightness (Luma) 1.0 ± 0.2Vp-p chromaticity (Clor) 0.286 ± 20% (Load impedance : 75Ω)
	Component	0.7Vp-p (Load impedance : 75Ω)
Power supply		AC100~240V, 50/60Hz
Power consumption		<25W
Dimensions (W x H x D)		430 x 76.5 x 277 mm
Net Weight		Around 4.5Kgs

Notes : Design and specifications in this owner's manual are subjected to change
without prior notice to improve quality and function.

REGIONAL RESTRICTION CODE

Regional restriction codes are built in this DVD player model and all DVD discs for
each sales region throughout the world. If regional code of this DVD player does not
match with regional code of DVD disc that you want to playback, if won't work. The
regional code number can be found the diagram below .
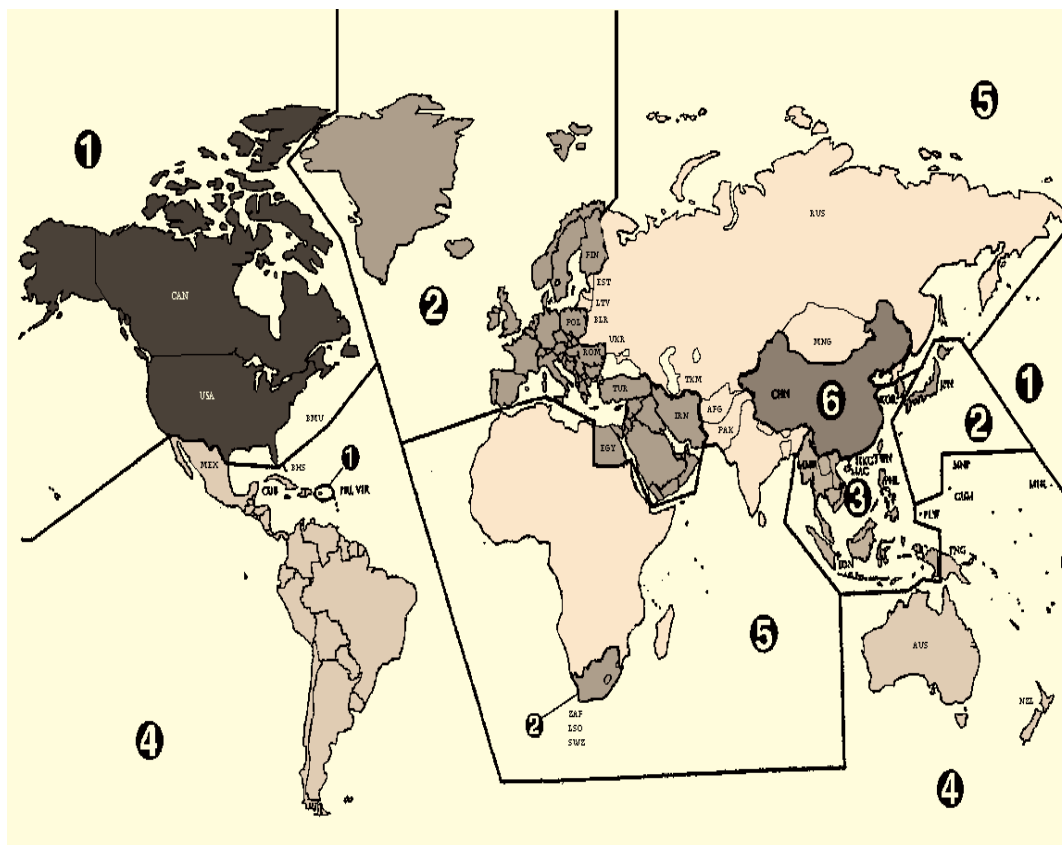
DAEWOO

DVD Player

OWNER'S MANUAL

DVG-6000D