DVD PLAYER

Owner's Manual
DVN-3100N

DAEWOO
ELECTRONICS CORP.

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IMPORTANT SAFETY PRECAUTIONS

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.

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

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

IMPORTANT FOR LASER PRODUCTS
- **LASER :** This Digital Video Disc Player employs a Laser System. To ensure proper use of this product please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

  Use of control adjustments or the performance of procedures other than those specified may result in hazardous radiation exposure.

  To prevent direct exposure to the laser beam, do not try to open the enclosure. Visible laser radiation when open and interlocks defeated.
  DO NOT STARE INTO THE BEAM.
- **DANGER :** Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
- **CAUTION :** Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

CLASS 1 LASER PRODUCT

CAUTION: Any changes or modification in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ATTENTION: KEEPING THE STATUS OF STOP MORE THAN 5 MINUTES ENTERS SCREEN SAVE MODE. WHEN THE SCREEN SAVE MODE IS KEPT MORE THAN AN HOUR, THE SET ENTERS STAND-BY MODE.

MACROVISION

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

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

1   READ INSTRUCTIONS

All the safety and operating instructions should be read before the unit is operated.

2   RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3   HEED WARNINGS

All warnings on the unit and in the operating instructions should be adhered to.

4   FOLLOW INSTRUCTIONS

All operating and use instructions should be followed.

5   CLEANING

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

6   ATTACHMENTS

Do not use attachments unless recommended by the unit's manufacturer as they may cause hazards.

7   WATER AND MOISTURE

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

8   ACCESSORIES

PORTABLE CART WARNING
(symbol provided by RETAC)

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

8A

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

9   VENTILATION

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

10 POWER SOURCES

This unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult

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IMPORTANT SAFETY PRECAUTIONS

your video dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.

11 GROUNDING OR POLARIZATION

This unit is equipped with a polarized alternating -current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way.

This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet.To prevent electric shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted without blade exposure. If you need an extension cord, use a polarized cord.

12 POWER-CORD PROTECTION

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

13 LIGHTNING

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

14 DISC TRAY

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

15 OVERLOADING

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

16 OBJECT AND LIQUID ENTRY

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

17 BURDEN

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

18 DISC

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

19 SERVICING

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

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20 DAMAGE REQUIRING SERVICE

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

A. When the power-supply cord or plug is damaged.

B. If liquid has been spilled, or objects have fallen into the unit.

C. If the unit has been exposed to rain or water.

D. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.

E. If the product has been dropped or the cabinet has been damaged.

F. When the unit exhibits a distinct change in performance-this indicates a need for service.

21 REPLACEMENT PARTS

When replacement parts are required, have the service technician verify that the replacements he uses have the same safety characteristics as the original parts. Use of replacements specified by the unit manufacturer can prevent fire, electric shock, or other hazards.

22 SAFETY CHECK

Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks recommended by the manufacturer to determine that the unit is in safe operating condition.

23 WALL OR CEILING MOUNTING

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

24 HEAT

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

FCC NOTICE :

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

• Reorientate or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experience radio/TV technical for help.

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FEATURES

- ⊙ **OUTSTANDING SOUND QUALITY**
  Dolby Digital ▯▯ DOLBY system developed by Dolby Laboratories and DTS 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 high horizontal resolution.

- ⊙ **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 DVD discs, and is compatible with CD, CD-R, CD-RW, PIC-CD and MP3 discs.

- ⊙ **ZOOM**
  It can enlarge pictures or reduce pictures.

- ⊙ **MULTI-FUNCTIONS**
  Fast forward, fast reverse, forward and reverse slow, 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.

- ⊙ **VIDEO OUTPUT**
  Standard video, Component video output mode.

- ⊙ **AUDIO OUTPUT**
  Analog audio output and coaxial digital audio output can be connected with the appropriate amplifier to enjoy high-quality sound effects.

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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.

▨ PLAYABLE DISCS

• DVD and Audio CD

Disc type	Playable	Restriction
DVD	Possible	Region number 1 or Region number All
CD	Possible	PCM or DTS digital out
CD-G	Possible	Only Audio playback
CD-ROM	Possible	MP3 File
CD-R	Possible	CD/CD-ROM (MP3 File)
CD-RW	Possible	CD/CD-ROM (MP3 File)
DVD-R	Possible	DVD Video
DVD-ROM	Impossible	DVD Video
DVD-RAM	Impossible	
DVD+RW	Impossible	
DVD-RW	Impossible	
Photo CD	Possible	

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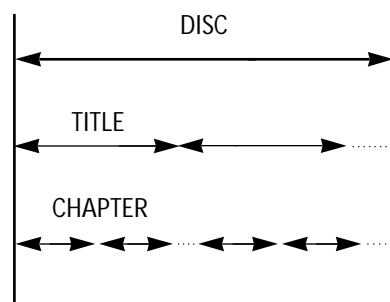When playing a CD, the combined tracks make up the title.

■ 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.
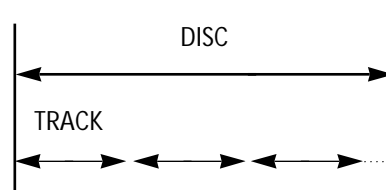
■ TRACK

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

■ STRUCTURE OF DVD

```
DISC
◄──────────────────────►

TITLE
◄──────────►◄────────►·······

CHAPTER
◄───►◄───►·······◄───►◄───►·······
```

■ STRUCTURE OF CD

```
DISC
◄──────────────────────►

TRACK
◄───►◄───►◄───►·······
```

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SCENE

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

PBC (PLAYBACK CONTROL)

It is signals recorded in a CD or something discs to control playback.

DISC TYPE	FUNCTION
disc without PBC	enjoy music and images (motion pictures)
disc with PBC	Besides the images of special disc, 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.

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 "1". 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 "1" or "ALL".

(Region 1)   (Region ALL)

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.
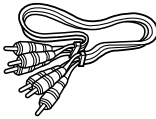
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▨ HANDLING DISC

- 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.

▨ 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

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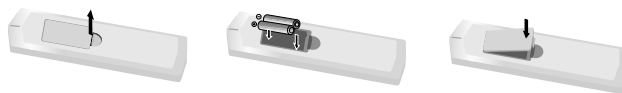
Note:

1. Batteries can last for about 6 months generally. Change the batteries of that does not work.

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

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PREPARATIONS BEFORE OPERATION

FRONT PANEL
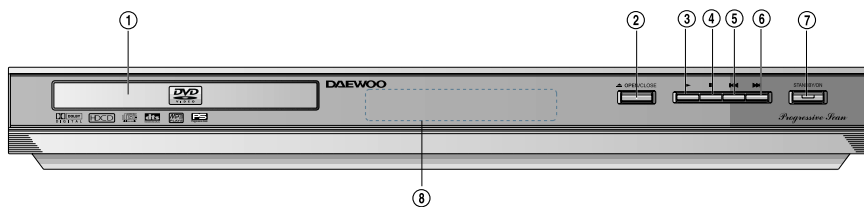
① TRAY DOOR
   Press OPEN/CLOSE button to open it.

② OPEN/CLOSE button
   To open or close the disc tray.

③ PLAY button
   To play the loaded disc. Press this button to go to the preferred item when the menu is displayed on the TV screen.

④ STOP

⑤ One Chapter/Track backward button
   To skip back from the status.

⑥ One Chapter/Track forward button
   To skip forward to the status. If playing a disc with PBC, this button works as the NEXT button to move to the next play list.

⑦ STANDBY/ON button
   To switch the unit On or Off when connected to AC power outlet

⑧ DISPLAY
   Displays operation status

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▣ REAR PANEL
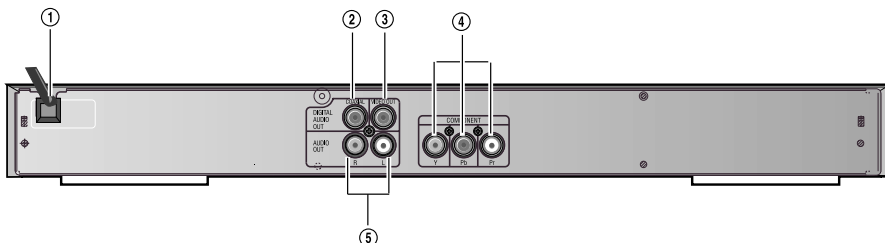
① POWER SUPPLY SOCKET WIRE

Creates POWER between wall outlet and the unit.

② DIGITAL AUDIO COAXIAL OUT

Connects digital audio under play mode into an AV amplifier or a receiver equipped with digital audio decoder for you to enjoy the theater-quality sound in your home.

③ VIDEO OUT

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

④ COMPONENT(Y.Pb.Pr)

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).

⑤ AUDIO OUT (L/R TRACK)

Two phono sockets for analogue 2 Channel audio in order to achieve a TV or stereo amplifier.

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PREPARATIONS BEFORE OPERATION

VFD

① **Recognized DISC TYPE indicator**
Illuminates the current operation mode.

② **DVD AUDIO STREAM indicator**
Indicates the audio type of the disc under play is DTS

③ **Recognized DISC TYPE indicator**
CD.

④ **DVD AUDIO STREAM indicator**
Indicates the audio type of the disc under play is DOLBY DIGITAL.

⑤ **PBC indicator**
This indicator is lit up in selecting PBC ON while this indicator disappears in selecting PBC OFF.

⑥ **Recognized DISC TYPE indicator**
Illuminates when MP3 disc is played.

⑦ **DISC LOAD/PLAY indicator**
This indicator is lit up after recognizing disc.

⑧ **PLAY/ PAUSE indicator**

⑨ **REPEAT MODE indicator**
⌷ : In case you want to repeat and play a chapter or track.

ALL ⌷ : In case you want to repeat and play a title or disc.

⑩ **NUMBER/ CHARACTER indicator**
Title, chapter number, and time are displayed in loading DVD disc while track number and time are displayed in loading CD/CDMA/MP3/something disc.

OPEN	Tray is opened
CLOSE	Tray is closed
LOAd	Disc is loaded
NO dISC	There is no disc in tray
Error	Disc has some error

Note:

Each time you press the DIMMER button, the brightness of VFD will be changed.

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■ NAMES AND LAYOUT OF REMOTE CONTROLS

* In case of setting the mode by using SETUP menu (for example, AUDIO select in PREFERENCE SETUP), the setting is kept though you switch the unit off and turn it on.

SYSTEM BUTTON

SETUP BUTTON

POWER BUTTON — OPEN/CLOSE BUTTON

DIMMER BUTTON

ANGLE BUTTON — NUMBER BUTTON

AUDIO BUTTON
PROGRAM BUTTON

SURROUND BUTTON — CLEAR BUTTON

VOLUME "+/-" BUTTONS — SLOW "+/-" BUTTONS

MUTE BUTTON — SEARCH BUTTON

UP/DOWN/LEFT/
RIGHT DIRECTION — PLAY BUTTON
BUTTON

PAUSE BUTTON — STOP BUTTON

FAST BACKWARD/
FORWARD
SERACH BUTTONS — ONE CHAPTER/TRACK
BACKWARD/
FORWARD BUTTON

MENU BUTTON — INTRO BUTTON
V-MODE BUTTON — STEP BUTTON

SUBTITLE BUTTON — DISPLAY BUTTON
BOOKMARK BUTTON — ZOOM BUTTON

TITLE/PBC BUTTON — REPEAT BUTTON

RETURN BUTTON — A-B BUTTON

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CONNECTIONS

Turn off all equipment before operation.
The unit has many kinds of output modes like A/V output and digital signal output
(COAXIAL). You may select as you need.

■ CONNECTED TO A TV AND AN ORDINARY AMPLIFIER
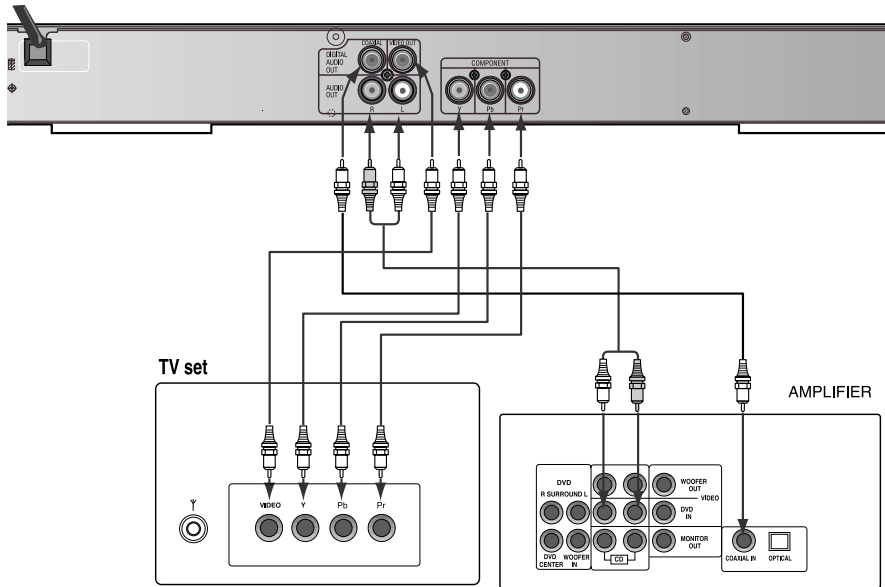
Manufactured under license from Dolby Laboratories. "Dolby" and the
double-D symbol are trademarks of Dolby Laboratories. Confidential
Unpublished works.

©1992-1997 Dolby Laboratories, Inc. All rights reserved.

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

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BASIC OPERATIONS

▨ PLAY DISCS

1 Push "POWER" button on the TV and audio
system, Push "TV/VIDEO" button on the TV,
select VIDEO mode (TV).

Select interlace or progressive mode if using a
component connection.

TV/VIDEO

Note:

*The Step2 can be
cancelled if you
do not
connect it to the
amplifier.*

2 Select the right audio input on the amplifier.
• Each amplifier is different from another,
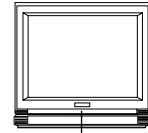 please refer to the manual of the amplifier.
  (e.g., connect the audio output of the DVD
  player to the DVD audio input of an amplifier.)

DVD/LD

3 Push "STAND BY/ON" button on the front panel or " ⏻ " button on
the remote control to turn the unit on.

4 Push "OPEN/CLOSE ⏏" button to open the disc tray and insert the
disc with its label look upward. Push "OPEN/CLOSE ⏏" button
again to close the disc tray. The unit begins to read the disc. The TV
screen shows the DVD menu and title menu.

• In the case of DVD, DVD menus and titles are displayed on TV
  screen.
• In the case of something disc, the menus are displayed on TV
  screen and it is converted into PBC (Play Back Control) mode.
• In the case of CD, the disc plays in order of its track number.

5 Stop playback.
Press ■.

6 Press ⏏ to remove the disc.

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BASIC OPERATIONS

▨ SYSTEM SETTING

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

Push SYSTEM button on the remote control, then choose TV TYPE.

SYSTEM

• If the system of the TV is PAL, push "SYSTEM" once.
• If the TV is multi-system, push "SYSTEM" twice.
• If the system of the TV is NTSC, push "SYSTEM" three times.
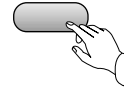
▨ **V-MODE (Only when the player has progressive function)**

V-MODE

• In case of connecting the component, press the V-MODE on the remote control to select interlace or progressive mode.
• Though you connect the composite, picture is not displayed, press the V-MODE on the remote control to select interlace.
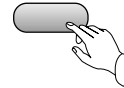
▨ DISPLAY

Each time you press "DISPLAY" button when playing a disc, the TV screen shows the information as :

■ DVD

DISPLAY

• TITLE ELAPSED → TITLE REMAIN → CHAPTER ELAPSED → CHAPTER REMAIN → DISPLAY OFF

   TT ∗∗ / ∗∗   CH ∗∗ / ∗∗   ∗∗: ∗∗ : ∗∗

■ CD

• SINGLE ELAPSED → SINGLE REMAIN → TOTAL ELAPSED → TOTAL REMAIN
   TRACK ∗∗ / ∗∗   ∗∗: ∗∗ : ∗∗

■ MP3

• Folder

■ Something disc

• SINGLE ELAPSED → SINGLE REMAIN → DISPLAY OFF
   TRACK ∗∗ / ∗∗   ∗∗: ∗∗ : ∗∗

18
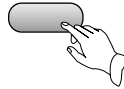
■ FAST PLAY

When playing disc, you may play it forward fast or reverse it fast to find what you need.

Note:

Push PLAY to play normally when playing fast.

Note:

The marked FAST PLAY speed on owner's manual and real fast play speed can be different depending on which disc you play.

1 Push ▶▶ to play forward fast. Each time you push the button, the speed of picture changes like the right sides.

SEARCH
◀◀   ▶▶
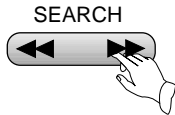
① ▶▶ FF X2
② ▶▶ FF X4
③ ▶▶ FF X8
④ ▶▶ FF X16
⑤ ▶▶ FF X32
⑥ PLAY

2 Push ◀◀ to reverse the disc fast. Each time you push the button, the speed of picture changes like the right sides.

SEARCH
◀◀   ▶▶

① ◀◀ FR X2
② ◀◀ FR X4
③ ◀◀ FR X8
④ ◀◀ FR X16
⑤ ◀◀ FR X32
⑥ PLAY

■ SLOW PLAY

Enjoy slow motions by the following steps.

Note:

Push PLAY to play normally .

Push "SLOW" button to play slowly.

- SLOW +

• SLOW + : DVD, something disc

▶SF X1/2 → ▶SF X1/4 → ▶SF X1/8 → ▶SF X1/16
← PLAY ←

• - SLOW : DVD, something disc

▶SR X1/2 → ▶SR X1/4 → ▶SR X1/8 → ▶SR X1/16
← PLAY ←
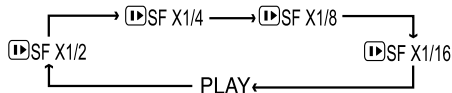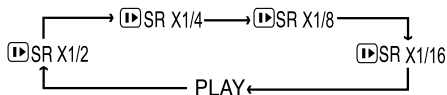
■ STEP/ PAUSE

Note:

Push PLAY to play normally .

Push PAUSE ❚❚ on the remote control to make the playback pause.
Pushing STEP again moves the picture forward frame by frame.

BASIC OPERATIONS

■ SELECT AUDIO LANGUAGE

You can choose the language according to your choice when playing mulit-language DVD.

Press "AUDIO" button, select different languages.

AUDIO

Note:

1. *Different disc has different languages*
2. *You can push "AUDIO" button to choose the language you want when you play multi-language DVD discs.*

*Attention:
Please select the AUDIO language in SETUP menu to keep the setting!!!

■ SELECTING 3D AUDIO

This function outputs 3D effects on the stereo audio analog output where 3D effects are broken down into 7 surround modes.

1 **Press [3D] button.**
Every time the user presses [3D] button, CONCERT, LIVING ROOM, HALL, BATHROOM, CAVE, ARENA and CHURCH appear one by one.

3D: CONCERT

3D

2 **Select the desired 3D sound mode.**

20
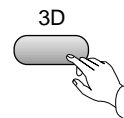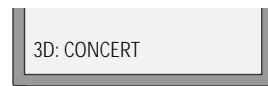
PLAYING A DESIRED SCENE

▮ TO SKIP SCENES IN A DISC

1 **Push ►►▌ to move to next chapter (or track).**
The current chapter (or track) moves to the next chapter (or track).

2 **Push ▌◄◄ to move to previous chapter (or track).**
The current chapter (or track) moves to the previous chapter (or track)
or first scene of current chapter (or track).

▮ DIRECTLY MOVING TO A DESIRED TITLE (DVD)

Some movie discs may contain multiple titles. If the disc has a movie title menu
recorded on it, the [TITLE/PBC] button can be used to select the movie title.
Details of operation may differ depending on the disc used.

Note:

*You can select
the desired title
directly by using
number button.*

1 **Push the [TITLE/PBC] or [MENU] button.**
A list of the titles on the disc is displayed.

For the case of something disc, menu screen will appear only when the disc has PBC function and PBC ON is activated.

PLAY MOVIE
SETUP
SCENE SELECTION
SPECIAL FEATURES

* In case of PBC play, press RETURN to return to the sub-menu, press it again to return to the home menu.

2 **Push the [PLAY] button after pressing the [◄ ►▲▼] button to select the desired title.**

The selected title now starts playing.

21

▥ PLAYING A DISC CONTAINING MP3 FILES

1 When a MP3 disc is loaded, MP3 menu screen is displayed automatically depending on MP3 disc's folder structure.

2 Use the direction button to select the folder you want to play, by pressing [PLAY] button. This button allows you to see the file lists under the folder.

3 Use the direction button and select a 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 [PLAY] button.

4 Press ▶▶I on the remote control to choose next title (next files in play mode). Press I◀◀ for previous title (previous files in play mode).

When you know the title number, enter MP3 title number using the numeric buttons on the remote control and then press [PLAY] button.

▥ REPEAT PLAY

When play DVD disc, this function can be used to repeatedly play a title, chapter or disc.

Push "REPEAT" button, the screen shows orderly.

REPEAT
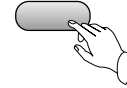
Note:

Push REPEAT to cancel the repeat function.

• DVD

⊂▭ CHAPTER ➡ ⊂▭ TITLE ➡ ⊂▭ ALL ➡ REPEAT OFF

• CD/ something disc

⊂▭ TRACK ➡ ⊂▭ ALL ➡ REPEAT OFF

• MP3

SINGLE ➡ REPEAT ONE ➡ REP. FOLDER ➡ FOLDER

22

■ REPEATING A DEFINED PERIOD FROM A TO B

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

1. Press "A-B" to set a starting point A.
2. Press "A-B" twice to an end point B.
   Afterwards, the unit plays from A to B.
3. Press "A-B" three times to remove A-B repeat.

A-B

| ▭ A- | → | ▭ A - B | → | REPEAT OFF |
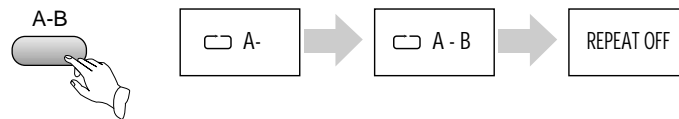
■ SELECT A SUBTITLE LANGUAGE

When play a multi-subtitle DVD, you may select one subtitle to show it on the screen.

1 **Keep pressing [SUBTITLE] button till the user's preferred language appears.**
If a DVD disc includes subtitle information, every time the user presses [SUBTITLE] button, ENGLISH, FRENCH, SPANISH and others appear one by one.

SUBTITLE 01/03:ENGLISH

SUBTITLE

Note:

1. For some discs, subtitles cannot be removed.

2. Subtitle function is only available for some discs with subtitle recorders.
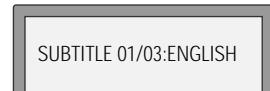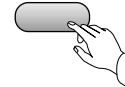
2 Remove the subtitle.

Press SUBTITLE until the screen shows "SUBTITLE OFF".

23

PLAYING A DESIRED SCENE

SEARCHING

SEARCHING DVD WITH A TITLE/CHAPTER NUMBER OR A TIME

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

1 If you want to search with a chapter or a title number, press [SEARCH] button.

It shows the current disc mode; TITLE, CHAPTER, AUDIO, SUBTITLE, ANGLE, REPEAT, TIME Disp..

Select the TITLE or CHAPTER and enter the new chapter or title number to be searched using the [PLAY], [NUMBER] and [◄ ►▲▼] buttons.

- DVD -

▶	SEARCH MENU	
	TITLE	02/12
DVD VIDEO	CHAPTER	01/01
	AUDIO	2CH ENGLISH
	SUBTITLE	OFF ▼
Bitrate76 ‖‖‖‖		TITLE ELAPSED 0:07:29
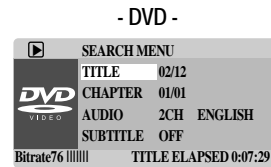
2 In completing entering, please press [SEARCH] button. PLAY starts from the selected position.

SEARCHING CD AND SOMETHING DISC WITH A TIME OR TRACK TIME

1 You may directly enter a disc or track time to search fast on a disc. The unit plays from the point.

• **If you want to search with a track number,** press [SEARCH] button.

It shows the current disc mode; TRACK, DISC TIME, TRACK TIME, REPEAT, TIME Disp..

Select the TRACK and enter the new track number   to be searched using the [PLAY], [NUMBER] and [◄ ►▲▼] buttons.

In completing entering, please press [SEARCH] button. PLAY starts from the selected position.

- Something disc -

| ▶	SEARCH MENU	
	TRACK	01/01
DVD VIDEO	DISC TIME	0:50:25
	TRACK TIME	0:50:25
	REPEAT	OFF ▼
Bitrate76 ‖‖‖‖		TOTAL ELAPSED 0:07:29

• **If you want to search with a disc time,** press [SEARCH] button.

Select the DISC TIME and enter the new time to be searched using the [PLAY], [NUMBER] and [◄ ►▲▼] buttons.

2 If you want to search with a track time of CD, press [SEARCH] button.

Select the TRACK TIME and enter the new time to be searched using the [NUMBER] buttons.

24
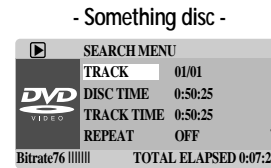
PLAY DISCS IN VERIOUS WAYS

■ SELECT ANGLE

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.

Keep pressing [ANGLE] button till the preferred angle appears.

📹 1/4

📹 2/4 (select ANGLE2)

📹 3/4 (select ANGLE3)

📹 4/4 (select ANGLE4)

ANGLE
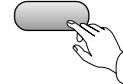
■ ZOOM PLAY

This function can be used to enjoy a motion or motionless picture.

1 Push "ZOOM" button when playing, the screen shows orderly:

ZOOM

① ■ X2
② ↗ X3
③ ■ X4
④ ↗ X1/2
⑤ ■ X1/3
⑥ ↗ X1/4

PLAY
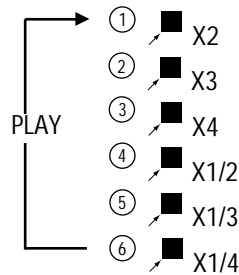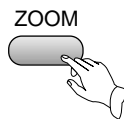
2 Push "UP/DOWN/LEFT/RIGHT [◄ ►▲▼] button to move the enlarged picture.

■ BOOK MARK

1 Push BOOKMARK button , the screen will show the following frame:

2 Moving direction button to select the saving position on the screen. Push PLAY button to save the time tag.

3 Push BOOKMARK button when you need book mark function, then choose the item you want to resume playing, then push PLAY button to continue playing from the saving point.

	02		05	
	08			

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■ PROGRAM PLAY (DVD)

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

1 Push "PROGRAM" button, the screen shows:

PROGR

```
┌─────────────────────────────┐
│   PROGRAM:TT(05) / CH (- -)  │
│  01 TT: CH        06 TT: CH  │
│  02 TT: CH        07 TT: CH  │
│  03 TT: CH        08 TT: CH  │
│  04 TT: CH        09 TT: CH  │
│  05 TT: CH        10 TT: CH  │
│                              │
│       EXIT      ▶▶▏ NEXT     │
└─────────────────────────────┘
```

Note:

- *First one is title, second one is chapter.*

- *If the disc has only one title, TT will not be displayed.*
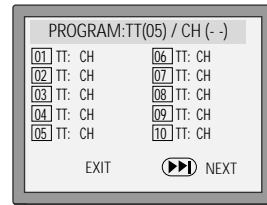
2 Input the sequence number you want to program playing.

```
┌─────────────────────────────┐
│  PROGRAM.:TT(12) / CH (- -)  │
│  01 TT: 03 CH:01  06 TT: CH  │
│  02 TT: 08 CH:02  07 TT: CH  │
│  03 TT: CH        08 TT: CH  │
│  04 TT: CH        09 TT: CH  │
│  05 TT: CH        10 TT: CH  │
│                              │
│   EXIT   START ▶▶▏ NEXT      │
└─────────────────────────────┘
```

3 After the programming is finished, move cursor to "START" by direction button and push "PLAY" button to start playing.
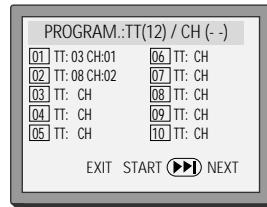
4 Push "STOP" button two times to remove program play.

* If you want to remove any program no, put the cursor in the position of the program number, push "CLEAR" button.

■ PROGRAM PLAY (CD)

You may program the track on a disc and play them in the programmed order. (For MP3 play, refer to the page 28)

1 Push "PROGRAM" button, the screen shows:

2 Push direction button, input the sequence number you want to program playing.
After the programming is finished, push direction button to select "START", Push "PLAY" button to start playing.
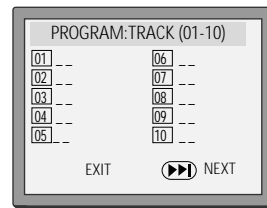
```
┌─────────────────────────────┐
│   PROGRAM:TRACK (01-10)      │
│  01 _ _           06 _ _     │
│  02 _ _           07 _ _     │
│  03 _ _           08 _ _     │
│  04 _ _           09 _ _     │
│  05 _ _           10 _ _     │
│                              │
│       EXIT      ▶▶▏ NEXT     │
└─────────────────────────────┘
```

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DIGEST PLAY (DVD)

SELECT DIGEST TYPE :
TITLE DIGEST
CHAPTER DIGEST
TITLE INTERVAL
CHAPTER INTERVAL

1 Push "INTRO" button when the unit is playing disc, the screen shows :

2 Push direction button to select the digest type. And push "PLAY" button.

INTRO
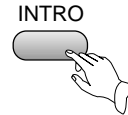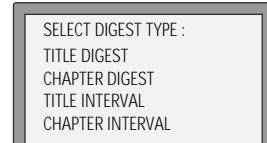
⌐Note:

• **TITLE DIGEST**
The player will play 5 seconds each title. After moving the cursor in the position "--", push NUMBER button to select the title and push PLAY button. Then the player will begin to play from the title you selected. Or put the cursor in the position of desired picture and push PLAY button.

• **CHAPTER DIGEST**
The player will display the beginning picture of each chapter in current selected title.

• **TITLE INTERVAL**
Scan the story in the disc from 00: 00 :00 on, the unit will play the disc every other 10 minutes.

• **CHAPTER INTERVAL**
Scan the story in the current title from 00: 00 :00 on, the unit will play the disc every other 10 minutes.

DIGEST PLAY (something disc)

SELECT DIGEST TYPE :
TRACK DIGEST
DISC INTERVAL
TRACK INTERVAL

1 Push "INTRO" button when the unit is playing disc, the screen shows :

2 Push direction button to select the digest type. And push "PLAY" button.

INTRO
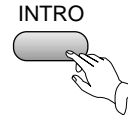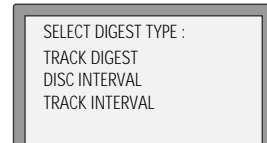
⌐Note:

• *TRACK DIGEST*
The player will play 5 seconds each track. Push NUMBER button to select the track, then push PLAY button, the player will begin to play from the track you selected.

• *DISC INTERVAL*
Scan the story in the disc from 00: 00 :00 on, the unit will play the disc every other 10 minutes.

DIGEST PLAY (CD)

T: 01/10   00:05
INTRO

1 Push "INTRO" button when the unit is playing disc, the screen shows :

2 The player will play 5 seconds each track.

27
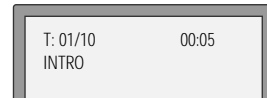
PLAY DISCS IN VERIOUS WAYS

▨ PLAY MP3 OR PIC-CD DISC

■ USE NUMBER BUTTONS TO SELECT TRACKS (MP3 OR PIC-CD)

1 The screen will display as right after the disc is loaded
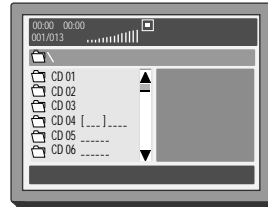
2 Each time you press PROGRAM button, FOLDER and FILE LIST appear one by one.

At this time you can select the item in the list.
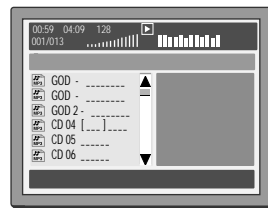
3 You can select the file you want using direction buttons.

4 Press PLAY button after selecting the file you want.

The file will be played back.

■ SELECT PLAYING MODE (MP3 OR PIC-CD)

Push "REPEAT" button, you can select "SINGLE", "REPEAT ONE", "REPEAT FOLDER " and "FOLDER".

• Single mode: the player will stop after finished playing the current item
• Repeat one mode: repeat the current item
• Repeat folder mode: repeat the items in the current directory
• Shuffle mode: play items by random
• Folder mode: the player will stop after finished playing the whole directory

■ PLAY PIC-CD BY ZOOM OR ROTATING OPERATING (PIC-CD)

The screen will show "ZOOM 100% " when you push ZOOM button under playing status, the current picture can be zoomed by push ▶▶ or ◀◀ button, and the screen will also show the zoom ratio of the picture (ZOOM 100%, ZOOM 125%, ZOOM 150%, ZOOM 200%, ZOOM 75%, ZOOM 50%). The picture will restore to the normal status if you push PLAY button under the ZOOM status.

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FUNCTION SETTING

MENU SETTING

According to the recorded information and external equipment, set the following functions
for DVD to obtain the best playing status. Push "SETUP" button to set the main menu.

SETUP

GENERAL PAGE

TV TYPE	PAL / AUTO / NTSC
TV DISPLAY	NORMAL/PS / NORMAL/LB / 16:9 WIDE
ANGLE MARK	ON / OFF
OSD LANG	ENGLISH / FRENCH / SPANISH / PORTUGUESE
DIGITAL OUT	SPDIF OFF / SPDIF/RAW / SPDIF/PCM
CAPTIONS	ON / OFF
SCREEN SAVER	ON / OFF

DOLBY DIGITAL SETUP PAGE

| DUAL MONO | STEREO / L-MONO / R-MONO / MIX-MONO |
| DYNAMIC RANGE | FULL / 3/4 / 1/2 / 1/4 / OFF |

30
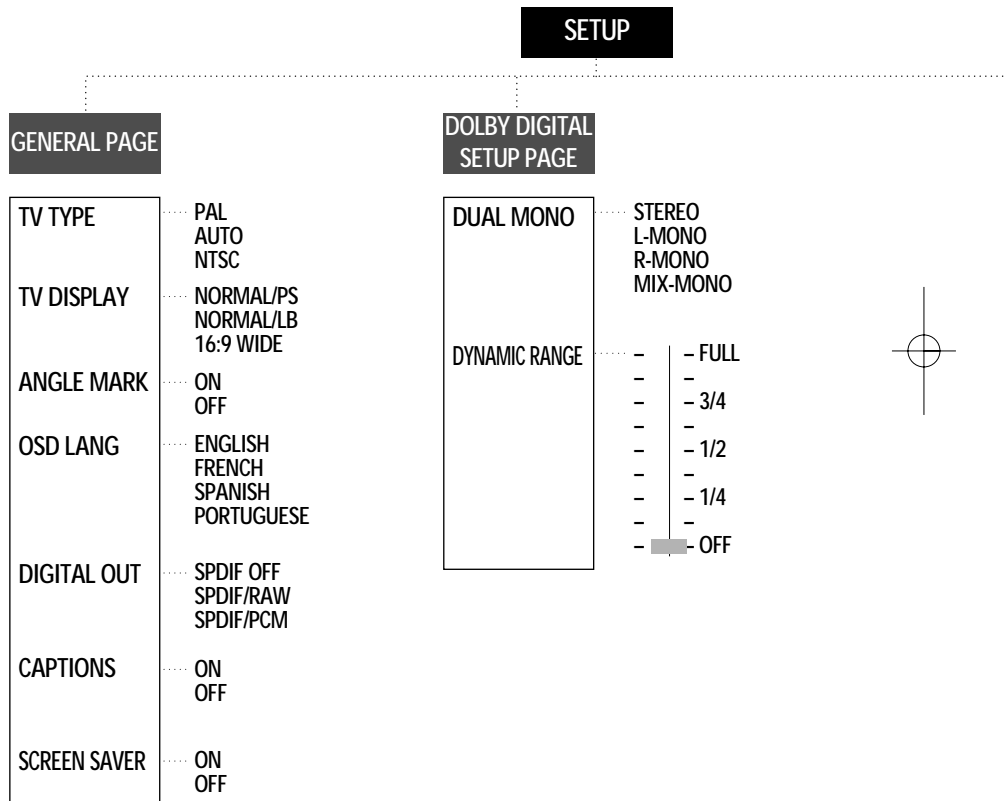
BASIC NAVIGATION

To navigation through the setting on the screen, use the direction buttons to scroll through the list of settings and use "PLAY" button to select the high lighted function.

SETUP MENU

Press the SETUP button to enter the On Screen Display and to exit at any time. In each of the menus, selecting MAIN PAGE (SETUP menu) will immediately return you to the initial screen.

PREFERENCES PAGE

AUDIO

SUBTITLE

ENGLISH
FRENCH
SPANISH
CHINESE
JAPANESE
KOREAN
RUSSIAN
THAI
OTHERS

DISC MENU

PARENTAL

1 KID SAFE
2 G
3 PG
4 PG-13
5 PG-R
6 R
7 NC-17
8 ADULT
NO PARENTAL

PASSWORD — CHANGE

DEFAULTS — RESET

Others Language Setting Value

No	Code Value	Language	No	Code Value	Language	No	Code Value	Language
1	6565	Afar	47	7383	Icelandic	93	8373	Singhalese
2	6566	Abkhazian	48	7384	Italian	94	8375	Slovak
3	6570	Afrikaans	49	7387	Hebrew	95	8376	Slovenian
4	6577	Amharic	50	7465	Japanese	96	8377	Samoan
5	6582	Arabic	51	7473	Yiddish	97	8378	Shona
6	6583	Assamese	52	7487	Javanese	98	8379	Somali
7	6588	Aymara	53	7565	Georgian	99	8381	Albanian
8	6590	Azerbaijani	54	7575	Kazakh	100	8382	Serbian
9	6665	Bashkir	55	7576	Greenlandic	101	8385	Sundanese
10	6669	Byelorussian	56	7577	Cambodian	102	8386	Swedish
11	6671	Bulgarian	57	7578	Kannada	103	8387	Swahili
12	6672	Bislama	58	7579	Korean	104	8465	Tamil
13	6678	Bengali	59	7583	Kashmiri	105	8469	Tegulu
14	6679	Tibetan	60	7585	Kurdish	106	8471	Tajik
15	6682	Breton	61	7589	Kirghiz	107	8472	Thai
16	6765	Catalan	62	7665	Latin	108	8473	Tigrinya
17	6779	Corsican	63	7678	Lingala	109	8475	Turkmen
18	6783	Czech	64	7679	Laothian	110	8476	Tagalog
19	6789	Welsh	65	7684	Lithuanian	111	8479	Tonga
20	6865	Danish	66	7686	Latvian/Lettish	112	8482	Turkish
21	6869	German	67	7771	Malagasy	113	8484	Tatar
22	6890	Bhutani	68	7773	Maon	114	8487	Twi
23	6976	Greek	69	7775	Macedonian	115	8575	Ukrainian
24	6978	English	70	7776	Malayalam	116	8582	Urdu
25	6979	Esperanto	71	7778	Mongolian	117	8590	Uzbek
26	6983	Spanish	72	7779	Moldavian	118	8673	Vietnamese
27	6984	Estonian	73	7782	Marathi	119	8679	Volapuk
28	6985	Basque	74	7783	Malay	120	8779	Wolof
29	7065	Persian	75	7784	Maltese	121	8872	Xhosa
30	7073	Finnish	76	7789	Burmese	122	8979	Yoruba
31	7074	Fiji	77	7865	Nauru	123	9072	Chinese
32	7079	Faeroese	78	7869	Nepali	124	9085	Zulu
33	7082	French	79	7876	Dutch			
34	7089	Frisian	80	7879	Norwegian			
35	7165	Irish	81	7982	Oriya			
36	7168	Scots/Gaelic	82	8065	Punjabi			
37	7176	Galician	83	8076	Polish			
38	7178	Guarani	84	8083	Pashto/ Pushto			
39	7185	Gujarati	85	8084	Portuguese			
40	7265	Hausa	86	8185	Quechua			
41	7273	Hindi	87	8277	Rhaeto-Romance			
42	7282	Croatian	88	8279	Romanian			
43	7285	Hungarian	89	8285	Russian			
44	7289	Armenian	90	8365	Kinyarwanda			
45	7365	Interlingua	91	8368	Sanskrit			
46	7378	Indonesian	92	8372	Serbo-Croatian			

FUNCTION SETTING

■ GENERAL SETUP

■ **TV TYPE**

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

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

■ **TV DISPLAY**

1   **NORMAL/PS**
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**
This is selected when the unit is connected with a normal TV. Wide-screen images are shown on screen, with black belts on the top and bottom.

3   **16:9 WIDE**
This is selected when the unit is connected with a wide-screen TV.

■ **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.

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Note:

"OSD" means "On Screen Display".

■ **OSD LANGUAGE**

When select a language, the screen show this language.

For example, if you select ENGLISH, the OSD is in English.

■ **AUDIO OUTPUT**

• **SPDIF OFF**
No signal is output from the coaxial, optical port.

• **SPDIF/RAW**
Select this when the DVD player is connected with a power amplifier through coaxial port. Please refer to the page 16. When a Dolby Digital DVD, DTS DVD or MPEG DVD is played, select this, the coaxial port will output in the corresponding digital format (source code). The power amplifier to be connected must have the function that can play the Dolby Digital, DTS and MPEG DVD.

• **SPDIF/PCM**
Select this when the DVD player is connected with a TV or a power amplifier through audio cord.

■ **CAPTIONS**

The hidden subtitle is shown or turn off.

■ **SCREEN SAVER**

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

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FUNCTION SETTING

▨ DOLBY DIGITAL SETUP

■ DUAL MONO

This 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 2.0-channel.

- STEREO
  Choose this option, the audio output should be dummy stereo signal.
- L-MONO
- R-MONO
- MIX-MONO

■ DYNAMIC RANGE

Set "Off" to view a program in the dynamic range as recorded in disc. If you hear loud sound softer and soft sound louder, set "Full".

```
–  – FULL
–  –
–  – 3/4
–  –
–  – 1/2
–  –
–  – 1/4
–  –
–  – OFF
```

▨ PREFERENCE SETUP

■ AUDIO

- **Selecting an audio language.**
Set it as the preferred audio language. In case the audio language is set and recorded in the DISC, it is automatically played in the set language in every playing. For example, English is set and recorded as audio language in the DISC, it is played in English.

■ SUBTITLE

- **Selecting Subtitle language.**
Please set it as the preferred language. In case the subtitle language is set and recorded in the DISC, it is automatically played in the set language in every playing. For example, English is set and recorded as subtitle language in the DISC, it is played in English.

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■ DISC MENU

• **Selecting Disc Menu language.**
Please set it as the preferred DISC MENU language. In case the DISC MENU language is set and recorded in the DISC, it is automatically played in the set language in every playing. For example, English is set and recorded as a DISC MENU language in the DISC, it is played in English.

■ PARENTAL

The content of a disc with lock function is evaluated by grades. You can select an age grade as your need.

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

For adults, the screen suggests you enter the code after pushing "PLAY" button , you can watch if the code is right.

Note:

The password is set by yourself.

■ PASSWORD

Note:

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

Select "PASSWORD" in PREFERENCE SETUP menu to setup password, input a password.

Enter a password according to the screen.

OLD PASSWORD	
NEW PASSWORD	
CONFIRM PASSWORD	
	OK

■ DEFAULT>> RESET

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

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OTHERS

▨ TROUBLESHOOTING

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

- **NO SOUND**

  - Check if the unit is connected securely.
  - Make sure you operate the TV or amplifier correctly.

- **NO IMAGE , IMAGE ROLLS AND NO COLOR**

  - Check if the unit is connected securely.
  - Make sure you operate the TV correctly.
  - Make sure you set the color 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.

- **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.

- **REMOTE CONTROL DOES NOT WORK**

  - Remove barriers between the remote control and the unit.
  - Replace the batteries with new ones.
  - Point the remote control at the remote control sensor of the unit.

- ATTENTION: KEEPING THE STATUS OF STOP MORE THAN 5 MINUTES ENTERS SCREEN SAVE MODE. WHEN THE SCREEN SAVE MODE IS KEPT MORE THAN AN HOUR, THE SET ENTERS STAND-BY MODE.

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TECHNICAL SPECIFICATIONS

Laser	wavelength 650nm
Video	PAL/AUTO/NTSC
Frequency response	20Hz ~ 20KHz (±1dB)
Signal/noise ratio	≥ 90dB
Channel separation	≥ 85dB (1KHz)
Dynamic range	≥ 80dB (1KHz)
Output Audio	Analog	output level : 2.0 + 0/-0.2Vrms (Load impedance : 10KΩ)
	Digital	output level : 0.5 ± 0.1Vp-p (Load impedance : 75Ω)
Output Video	Composite	output level : 1.0 ± 0.1Vp-p (Load impedance : 75Ω, imbalance, negative polarity)
	Component (Interlace and progressive)	Y: 1Vp-p, Pb/Pr: 0.7Vp-p (Load impedance : 75Ω)
Power supply	AC 120V~, 60Hz
Power consumption	10W
Dimensions (W x H x D)	430 x 54 x 250 mm
Weight	About 3.3Kgs

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

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Warranty

DEAM (Daewoo Electronics America) warrants each new electronic product manufactured by it to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part (at the Company's option) in exchange for any part of any unit of its manufacture which under normal installation, use and service disclosed such defect, provided the unit is delivered by the owner to us or to our authorized distributor from whom purchased or authorized service station intact, for our examination with all transportation charges prepaid to our factory. To establish and receive warranty service at our factory or authorized service facilities, proof of purchase/dated sales invoice is required. Written authorization must be obtained before any merchandise is returned to the factory.

This warranty does not extend to any of our electronic products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper installation, unauthorized modification, or used in violation of instructions furnished by us, nor units which have been repaired or altered outside of our factory, nor to cases where the serial number thereof has been removed, defaced or changed.

This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume for us any other liability in connection with the sale of our electronic products.

Over-the-counter exchange of initially defective units

A unit is described as initially defective when the dealer opens the unit and finds that it is inoperative or a customer opening a new unit finds that it is initially defective. This unit may be returned to the factory by the dealer for exchange. Under no circumstances will a customer be permitted to return an initially defective unit directly to the factory.

Model	Parts	Labor
DVN-3100N	1 Year	3 months

This instrument is listed by Underwriter's Laboratories, Inc. It is designed and manufactured to meet rigid U.L. safety standards against X-radiation, fire, casualty and electrical hazards.

Daewoo Electronics
America Inc.
120 Chubb Ave,
Lyndhurst, NJ 07071 USA

For more information about this or other Daewoo products, call 1-800-DAEWOO8.

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