DVD HOME THEATER SYSTEM

CHAÎNE DE CINÉMA MAISON À LECTEUR DE DVD

OWNER'S MANUAL
MANUEL D'UTILISATION

SAFETY PRECAUTION

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

WARNING: 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 an arrowhead symbol, within the 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 cause an electric shock.

The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this owner manual.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

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

CAUTION
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED.
AVOID EXPOSURE TO BEAM

This product contains a low power laser device.

The symbol for Class II (Double Insulation)

On Placement
- Do not use the Unit in places which are extremely hot, cold, dusty, or humid.
- Place the Unit on a flat and even surface.
- Do not restrict the air flow of the Unit by placing it in a place with poor air flow, by covering it with a cloth, or by placing it on carpeting.

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

WARNING:
- Should any trouble occur, disconnect the AC power cord and refer servicing to a qualified technician.
- Do not place anything directly on the top of the Unit. Damage to the Unit can result.

On Safety
- When connecting or disconnecting the AC cord, grip the plug and not the cord itself. Pulling the cord may damage it and create a hazard.
- When you are not going to use the Unit for a long period of time, disconnect the AC power cord.

On Condensation
- When left in a heated room where it is warm and damp, water droplets or condensation may form inside the Unit. When there is condensation inside the Unit, the Unit may not function normally. Let the Unit stand for 1 to 2 hours before turning the power on, or gradually heat the room up and dry the Unit before use.

Notes on Copyright
It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, rent copyrighted material without permission.

Apparatus Claims of U.S. Patent Nos. 4,631,603; 4,577,216; 4,819,098 and 4,907,093 licensed for limited viewing uses only.

DVD video discs are copy protected, and any recordings made from these discs will be distorted. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only, unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

IMPORTANT SAFETY INSTRUCTIONS

1. **Read Instructions -** All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and use instructions should be followed.
5. **Water and Moisture** - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. **Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
7. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a book case or cabinet, that may impede the flow of air through the ventilation openings.
9. **Heat** - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources** - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Grounding or Polarization** - Precautions should be taken so that the grounding or polarization means of an appliance are not defeated.
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 appliance.
13. **Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
14. **Power Lines** - An outdoor antenna should be located away from power lines.
15. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.

FIGURE 1
EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

16. **Nonuse Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
17. **Object and Liquid Entry** - Care should be taken so that objects do not fall, and liquids are not spilled, into the enclosure through openings.
18. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled, into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
19. **Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
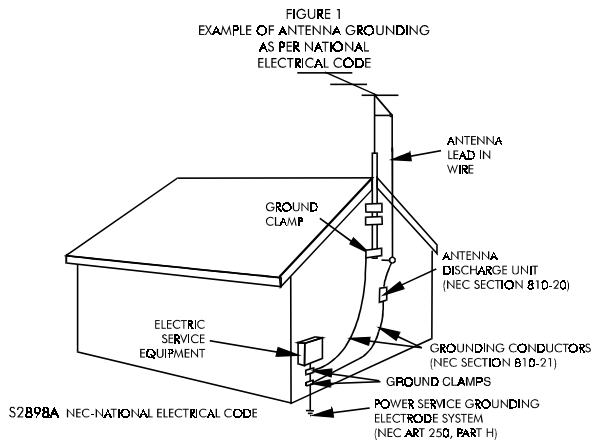
TYPES OF DISCS THAT CAN BE PLAYED ON YOUR UNIT

The Unit can playback discs bearing any of the following marks:

DVDs
[8cm(3")/12cm(5") disc]

Audio CDs
[8cm(3")/12cm(5") disc]

Region Management Information

Region Management Information: This Unit is designed and manufactured to respond to the Region Management Information that is recorded on DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this Unit, this Unit cannot play that disc.

The region number of this Unit is 1.

Disc Function or Operation that is Not Available

When the ⊘ symbol appears on the TV screen, it indicates that the function or operation is not available at this moment. This may occur for the following reasons:

• The disc manufacturer has imposed a restriction.

The specific functions on some DVDs are determined by the disc manufacturer. As this Unit plays disc data in accordance with the guidelines of the disc manufacturer, some functions may not be available on some discs. Be sure to read the documentation provided with the disc.

• The function or operation may not be available for the current disc.

The types of functions and operations that can be used for a particular disc vary depending on the features of that disc. Some disc functions and operations may differ from the descriptions given in this Owner Manual. In this event, follow the instructions given on the screen.

Icons Used on DVDs

Sample Icons

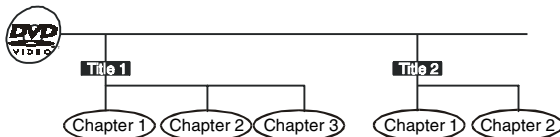| Icon	Description
②》 1. English 2. French	— Language selections for audio
2 1. English 2. French	— Language selections for subtitles
16:9	— Screen aspect ratio
2	— Multiple camera angles
⊕	— Region code indicator

Notes:
• This Unit supports 2-channel (L/R) audio and 5.1ch (Multi-channel) MPEG Audio 1/2 (only when the DIGITAL AUDIO OUT coaxial jack is used for connection). It does not support 7.1 channel MPEG Audio Version 2.0.
• When playing back a CD-G (Graphics) or CD EXTRA disc, the audio portion will be played, but the graphic images will not be shown.
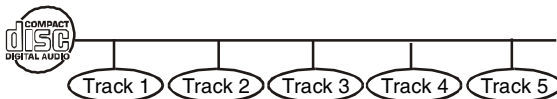
Title, Chapter and Tracks

• DVDs are divided into **"titles"** and **"chapters"**. If the disc has more than one movie on it, each movie would be a separate **"title"**. **"Chapters"** are sections of titles.
Example: DVD

```
                    Title 1                              Title 2
         ┌────────────┼────────────┐            ┌──────────┴──────────┐
    Chapter 1     Chapter 2    Chapter 3       Chapter 1         Chapter 2
```

• Audio CDs are divided into **"tracks"**. A **"track"** is usually one song on an Audio CD.
Example: Audio CD

```
    Track 1   Track 2   Track 3   Track 4   Track 5
```

Note :
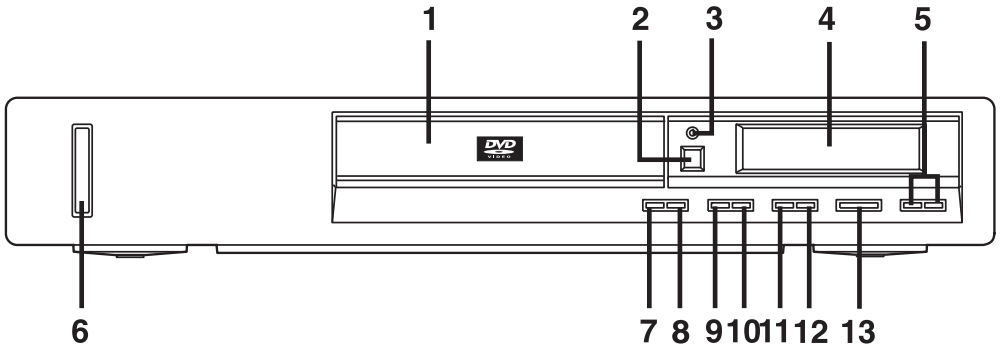• Numbers identify each title, chapter, and track on a disc. Most discs have these numbers recorded on them, but some do not.

IDENTIFICATION OF CONTROLS

Front Panel

1) Disc tray
Place disc in open tray. Open tray by pushing OPEN/CLOSE button.

2) Remote sensor
Accepts the remote control signals.

3) Power indicator
When the Unit is turned on by pressing the I/⏻ button, the light will illuminate.

4) Display window
Displays system information.

5) VOLUME control
Adjust the VOLUME level.

6) I/⏻ button
Turns the power on and off.

7) ◄◄ SKIP button
Press to go back to previous chapters/tracks.

8) ►► SKIP button
Press to advance to chapters / tracks.

9) FUNCTION button
Selects the component you want to use.

10) ■ STOP button
Stop playing a disc.

11) ► PLAY button
Press to start or resume playback.

12) ‖ PAUSE button
Press during playback to pause. And during pause status, each time you press PAUSE button, the picture advances one frame.

13) ▲ OPEN / CLOSE button
Press to open and close the disc tray.

Rear Panel
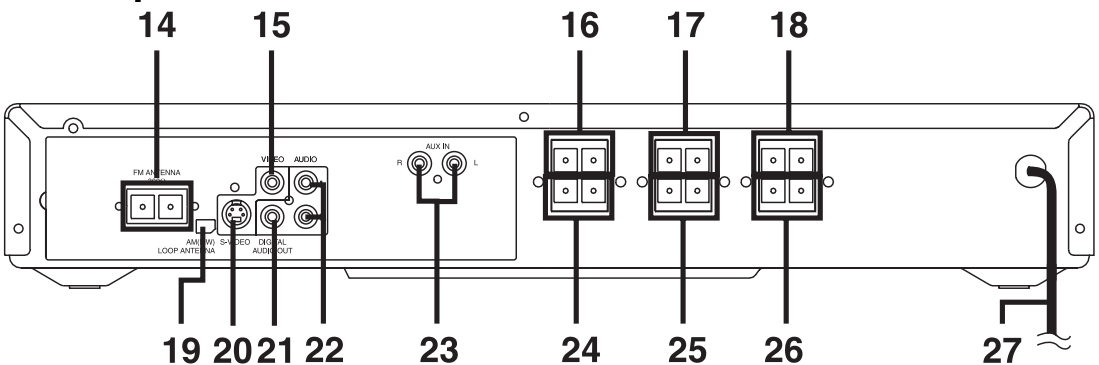
14) FM ANTENNA jacks
15) VIDEO OUT jack
16) Front speaker (R) terminals
17) Center speaker terminals
18) Front speaker (L) terminals
19) AM(MW) LOOP ANTENNA terminals
20) S-VIDEO jack
21) DIGITAL AUDIO OUT jack
22) AUDIO OUT (L / R) jacks
23) AUX IN (R / L) jacks
24) REAR speaker (R) terminals
25) SUB-WOOFER speaker terminals
26) REAR speaker (L) terminals
27) Power cord

CONNECTING TO A TV

Connecting to a TV

Use the VIDEO/AUDIO/S-VIDEO cable to connect your TV to the Unit.

To VIDEO OUT (yellow) (red) To AUDIO OUT (white)

To wall outlet

To VIDEO IN (yellow) To AUDIO IN (white)(red)

To S VIDEO OUT

S video cable (not supplied)   To S video input

If the TV has S video input, connect
the Unit with an S video cable.
When using an S video cable, do not
connect the yellow video cable.

TV or monitor with audio / video inputs
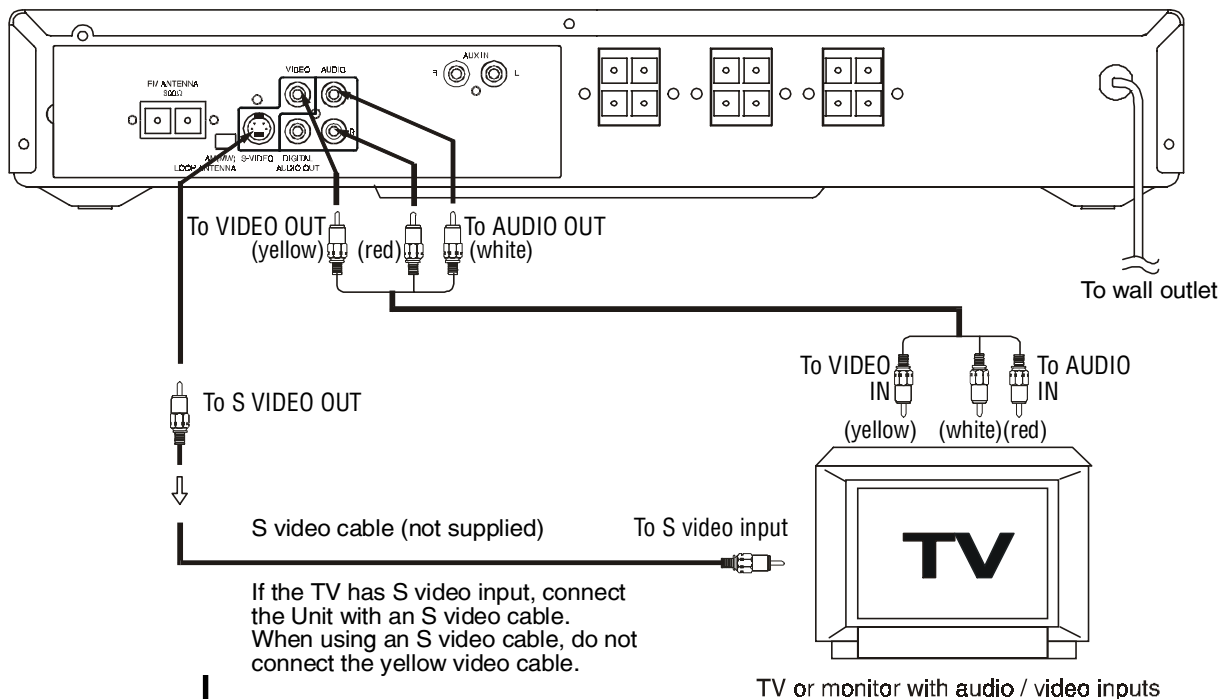
Notes :

• When you connect the Unit to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.

• Connect the Unit to your TV directly. If you connect the DVD player to a VTR, TV/VTR combination or video selector, the playback picture may be distorted as DVD discs are copy protected.

Turning on the Unit and TV

1) Press the I/⏻ button to turn the Unit ON.

2) Press the ⏻/**POWER** or **FUNCTION** button on the remote control to turn on the Unit or press the ▶ **PLAY** button on the Unit.

3) Turn on the TV by pressing its **POWER/OPERATE** button.

4) Select the channel on your TV corresponding to the video input you connected the appliance to. See TV User guide for more information.

• If you have connected the appliance successfully, the DVD logo (start-up picture) will appear on your TV screen.
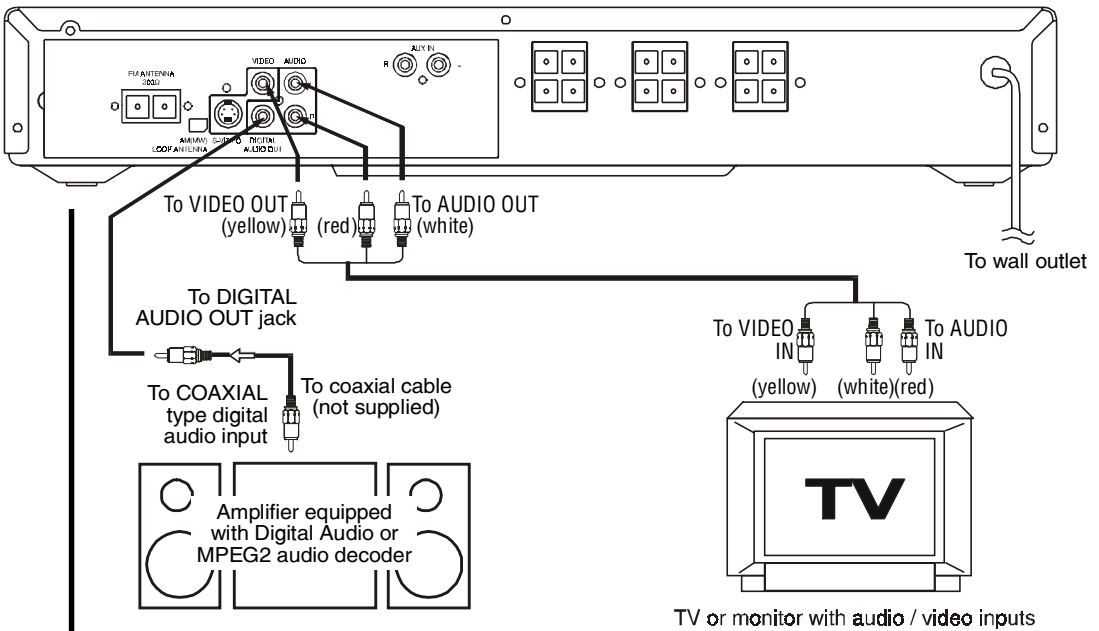

Power cord connection

• Make sure that all the components and speakers are connected correctly.

CONNECTING TO AN AUDIO SYSTEM AND OTHER EQUIPMENT

LISTENING TO AN AUDIO SYSTEM

Use the coaxial cable (not supplied) to connect the DIGITAL AUDIO OUT jack and the amplifier equipment's AUDIO INPUT jack.
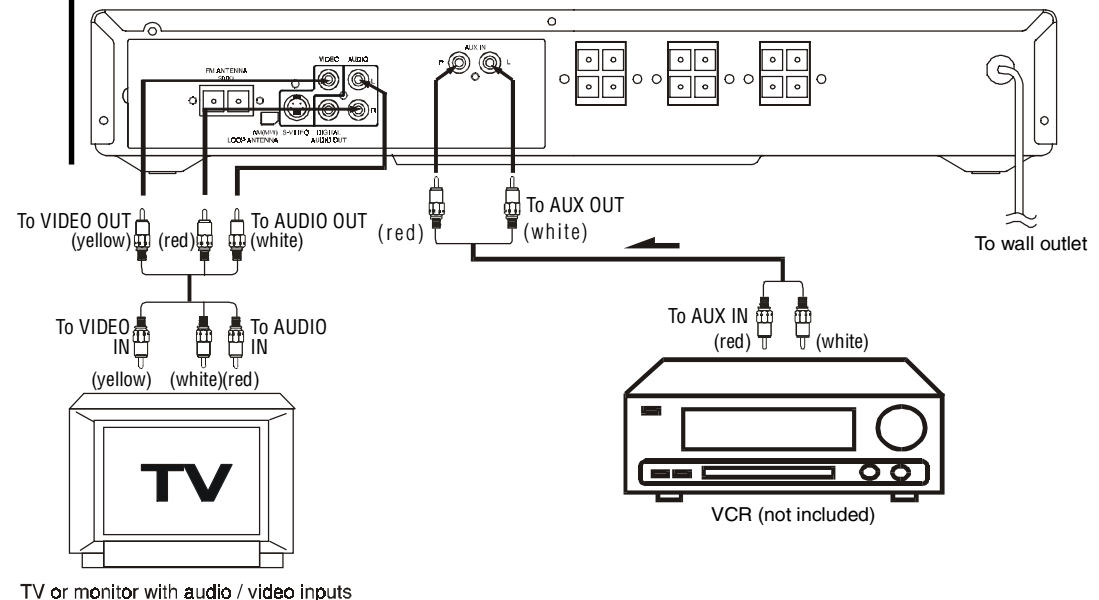
To VIDEO OUT (yellow) (red) To AUDIO OUT (white)

To wall outlet

To DIGITAL AUDIO OUT jack

To VIDEO IN (yellow) To AUDIO IN (white)(red)

To COAXIAL type digital audio input

To coaxial cable (not supplied)

Amplifier equipped with Digital Audio or MPEG2 audio decoder

TV

TV or monitor with audio / video inputs

LISTENING TO THE CONNECTED EQUIPMENT

1. Press the **FUNCTION** button to AUX.
2. Play the external source.

Notes:

- If the external equipment is a television and this audio system is closed to it, you may experience interference if the tuner function is selected while the television is working.
- When you have selected TUNER function, the left/right front speakers and sub-woofer are activated only.

To VIDEO OUT (yellow) (red) To AUDIO OUT (white)

To AUX OUT (red) (white)

To wall outlet

To VIDEO IN (yellow) To AUDIO IN (white)(red)

To AUX IN (red) (white)

TV

VCR (not included)

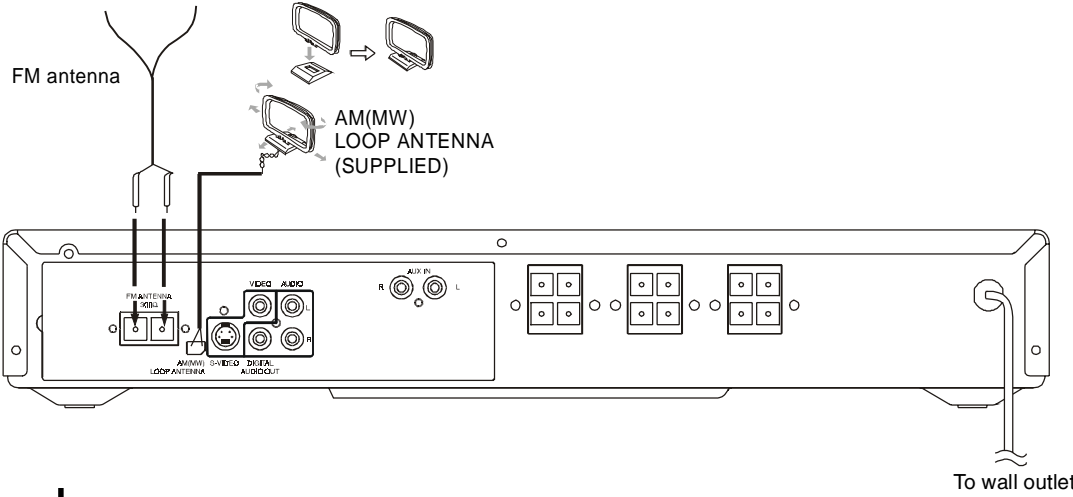TV or monitor with audio / video inputs

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ANTENNA CONNECTION

For better reception

FM
Connect FM antenna to the FM ANTENNA jacks.

AM(MW)
Connect the loop antenna (supplied) to the AM(MW) LOOP ANTENNA terminals.

FM antenna

AM(MW)
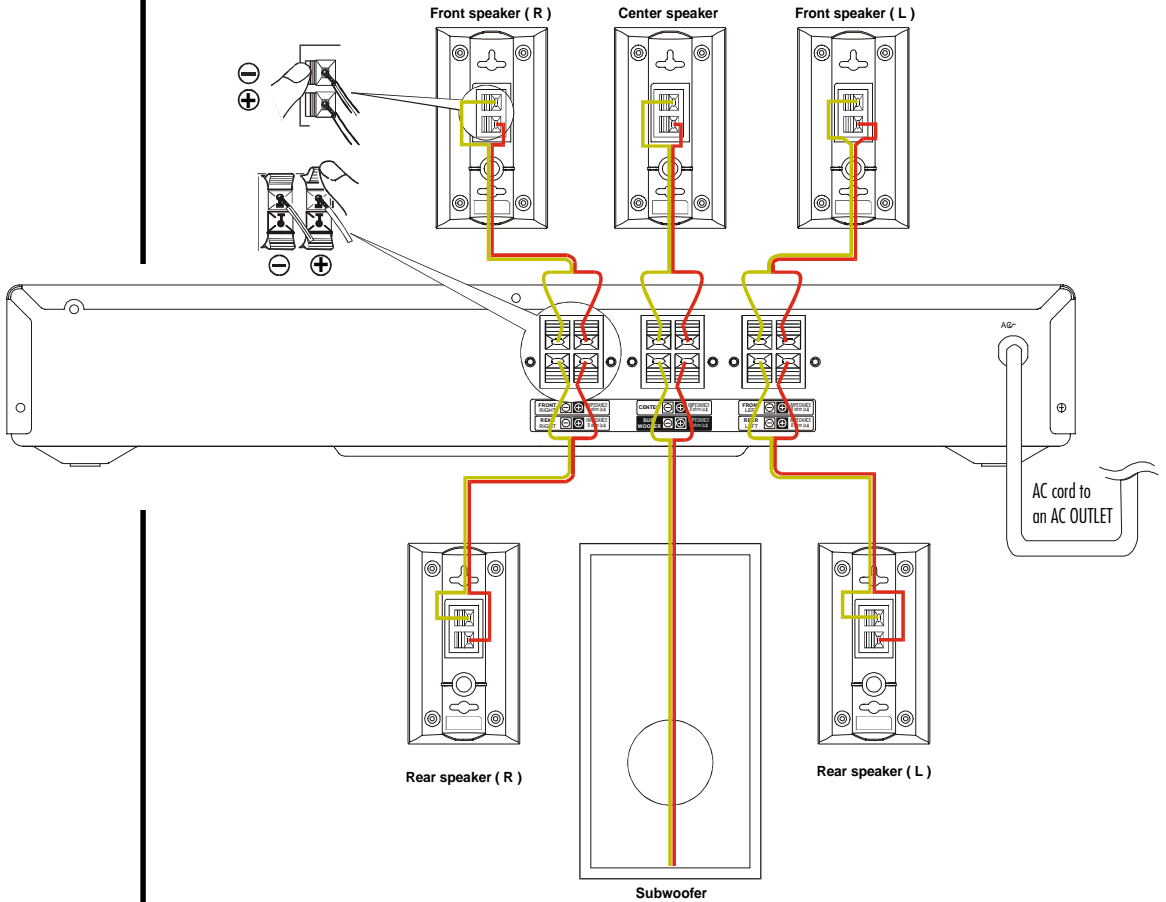LOOP ANTENNA
(SUPPLIED)

To wall outlet

SPEAKER CONNECTIONS
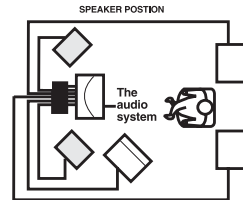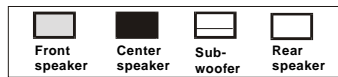
Surround Speakers Connections

Ensure in each case that the **TRANSPARENT (+)** wire is connected to the **(+)** terminal of the surround speaker output and the **TRANSPARENT (-)** wire with black line is connected to the **(-)** terminal of the surround speaker output. Also ensure that the correct orientation for left and right main speakers is observed.

Subwoofer Connection

Connect the wires with the **TRANSPARENT (+)** wire to the red **(+)** terminal and the **TRANSPARENT (-)** wire with black line to the black **(-)** terminal.

Front speaker (R)   Center speaker   Front speaker (L)

AC cord to an AC OUTLET

Rear speaker (R)   Rear speaker (L)

Subwoofer

Speaker position instructions for better listening

Front speaker   Center speaker   Sub-woofer   Rear speaker
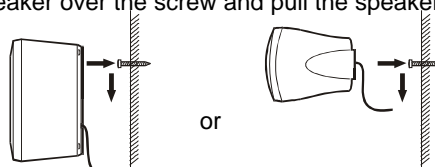
SPEAKER POSTION

The audio system

Wall mountable surround (rear) speakers

1) Mark the correct mounting position on the wall.

2) Insert a fixing screw(s) at the marked position on the wall.

3) Align the slot hole(s) of the speaker over the screw and pull the speaker downward until it is firmly hooked.

Surround (rear) speaker

or

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ADJUSTING THE SOUND

To adjust the surround sound balance while Pro Logic decoding is in effect
Use the remote control to make the following changes to speaker balance:

Front speaker (left)
• Press the **SOUND** button to display LEFT, then press the ▼ **or** ▲ **CURSOR** button to adjust the sound level. It will show on the display of the Unit.

Front speaker (right)
• Press the **SOUND** button to display RIGHT, then press the ▼ **or** ▲ **CURSOR** button to adjust the sound level. It will show on the display of the Unit.

Center speaker
• Press the **SOUND** button to display CENTRE, then press the ▼ **or** ▲ **CURSOR** button to adjust the sound level. It will show on the display of the Unit.

Rear speaker (left)
• Press the **SOUND** button to display REAR L, then press the ▼ **or** ▲ **CURSOR** button to adjust the sound level. It will show on the display of the Unit.

Rear speaker (right)
• Press the **SOUND** button to display REAR R, then press the ▼ **or** ▲ **CURSOR** button to adjust the sound level. It will show on the display of the Unit.

Subwoofer
• Press the **SOUND** button to display WOOFER, then press the ▼ **or** ▲ **CURSOR** button to adjust the sound level. It will show on the display of the Unit.

Notes:
• If you do not press any button within a few seconds, the display will return to normal.
• Press the **VOLUME+** control to right side to increase the volume. Press the **VOLUME-** control to left side to decrease the volume.

To adjust the sound quality
Press the **SOUND** button to select an equalization mode **(BASS, MIDDLE, TREBLE)**. Press the ▼ **or** ▲ **CURSOR** button to adjust the sound level.

BASS : the low range of sounds

MIDDLE : the mid range of sounds

TREBLE : the high range of sounds

Dolby Pro Logic is a decoding system that was developed to get a better sense of presence from sources encoded with Dolby Surround. The feeling of position has been improved by the addition of a separate center speaker channel. Look for this logo on your DVD Unit.

Dolby Digital
Dolby Digital is a sound system developed by Dolby Laboratories Inc. that gives movie theatre ambience to audio output when the Unit is connected to a Dolby Digital 5.1 channel processor or amplifier.

This Unit automatically recognizes DVDs that have been recorded with Dolby Digital.

Not all Dolby Digital sources are recorded with 6 channels.

Some sources marked Dolby Digital may be recorded in Dolby Surround, a 2 channel system. Look for this logo on your DVD Unit.

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

This Unit does not decode DTS Digital Surround signal.

To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the DIGITAL AUDIO OUT jack of the Unit.

Manufactured under license from Dolby Laboratories.

'Dolby' , 'Pro Logic' and the double-D symbol ▯▮ are trademarks of Dolby Laboratories.

DISPLAY WINDOW

CHAPTER / TRACK indicator
When a DVD is loaded in the Unit, this indicator appears along with the chapter number.
When a Audio CD is loaded in the Unit, this indicator appears along with the track number.

REPEAT playback indicator
Displayed during repeat playback.

TITLE indicator
When a DVD is loaded in the Unit, this indicator appears along with the title number.

ANGLE indicator
Appears when multiple camera angles are recorded in the section of the DVD that is currently playing.

REMAIN TOTAL indicator
Indicates the elapsed playback time of the idsc. With some discs, this area also shows the total play time of the disc when playback is stopped.

REPEAT 1 ALL STEREO ANGLE MEMORY   BASS   DOLBY
A - B TITLE   CHAPTER / TRACK   REMAIN TOTAL   DIGITAL

DOLBY DIGITAL indicator
Displays while the Dolby processing is being performed.

OPERATION indicator
Indicates the operation status of the disc and Unit.

DISPLAY INFORMATION

The DVD displays the information shown below on the TV screen and on the Unit's DVD display depending on the operation status.

Display Examples

	TV Screen	Unit Display	Remarks
If no disc is loaded when the Unit is switched on.	No Disc	*NODISC*	"*NODISC*" appears when the tray is closed and: 1) There is no disc in the tray. 2) The disc type is not DVD or Audio CD. 3) The disc is not loaded correctly (upside-down, etc.)
Tray open	▲ Eject	*OPEN*	
Tray closed	▲ Close	*CLOSE*	
Loading	⏱ Loading...	*LOAD*	
Stopped	■ Stop		The display changes to show other indicators (total time, etc.)
Playing	▶ Play		
Paused	❚❚ Pause		Freezes the image on the screen or pauses audio playback.
Fast forward	▶▶ x 2		The display changes to show other indicators (total time, etc.)
Fast reverse	◀◀ x 2		
Slow	◀❚ / ❚▶ x 1/2		Does not function for Audio CDs.
Repeat A - B	🔁A 🔁B	A-B	Repeat a specific section. Does not function for Audio CDs.
	⊘		The operation is not permitted by the DVD Unit or the disc.

Region (Local) Number Error Indicator
If the region (local) number of the disc that you attempt to play differs from the region number of the Unit "Invalid Region" appears on the TV screen. (The disc cannot be played).

REMOTE CONTROL UNIT
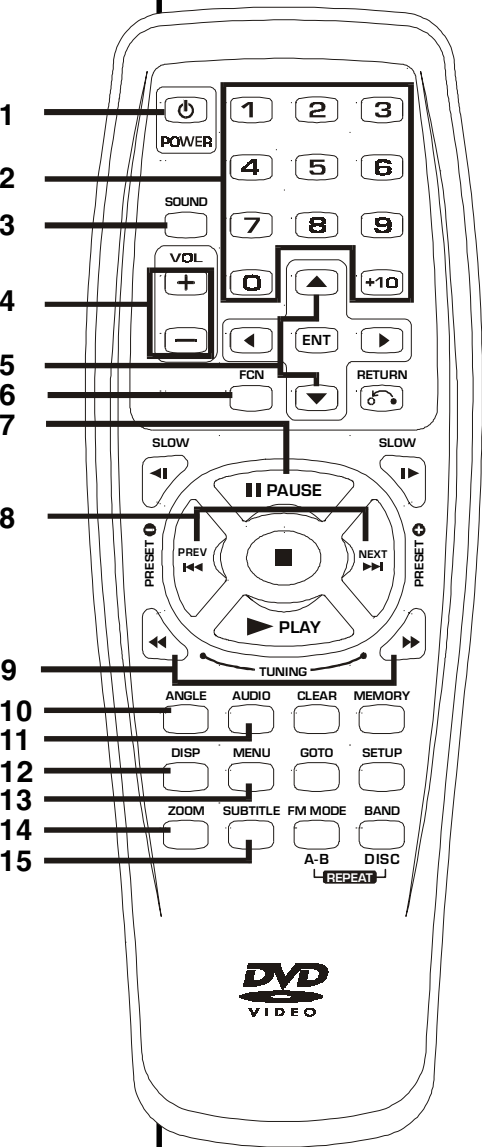
1) **POWER / ⏻ button**

   Turns the Unit power on and puts it in standby mode.

2) **Number (0 - 9) and (+10) buttons**

   Use when creating programs, and entering a parental level password. To select preset stations over 9, press +10 button and then the second no. for example, to enter 18, press +10 and then 8.

3) **SOUND button**

   Selects an equalization mode.

4) **VOLUME (+ / -) buttons**

   Adjust the volume to your desired level.

5) **▲ / ▼ CURSOR buttons**

   Use to highlight selections on a menu screen and make adjustments of the Unit settings.

6) **FUNCTION (FCN) button**

   Display the FUNCTION screen where you can check or change various setting.

7) **❚❚ PAUSE button**

   Pause playback.

8) **I◀◀ PREV / NEXT ▶▶I / - PRESET + buttons**

   Move reverse or forward through disc titles, chapters or tracks on a disc.

   Tune to the presetted stations.

9) **◀◀ REV / FWD ▶▶ /◀◀ TUNING ▶▶ buttons**

   REV: Fast reverse playback.

   FWD: Fast forward playback.

   ◀◀ TUNING ▶▶ : Scan all available radio stations.

10) **ANGLE button** ◵

   Switch the camera angle of the video presentation when scenes with multiple camera angles are recorded on a DVD.

11) **AUDIO button**

   Select one of the audio soundtracks programmed on a DVD or selects the audio output mode on a AUDIO CD.

12) **DISPLAY (DISP) button**

   Change the mode of the FUNCTION display.

13) **MENU button**

   Open and close DVD's menu.

14) **ZOOM button**

   Zoom into an image.

15) **SUBTITLE button** ⌷

   Select one of the subtitle languages programmed on a DVD.
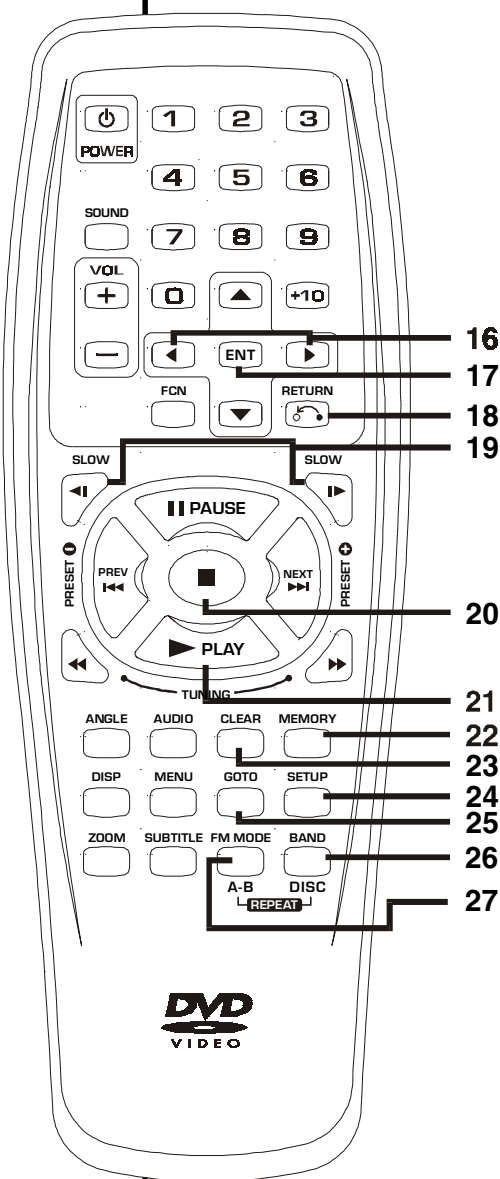
16) ◀ / ▶ CURSOR buttons

Use to highlight selections on a menu screen and make adjustments of the Unit settings.

17) ENTER button

Confirm selections on a menu screen.

18) RETURN button

Return to a previous menu screen on a DVD or return to DVD playback from the DVD menu screen.

19) ◀I SLOW I▶ buttons

Perform slow reverse/forward playback of DVDs.

20) ■ STOP button

Stop playback.

21) ▶ PLAY button

Start playback.

22) MEMORY button

Enter the number of a selected chapter or track.

Enter the number of a selected station.

23) CLEAR button

Clear input selections and cancel certain playback functions

24) SETUP button

Open and close the Unit's SET UP menu screen.

25) GOTO button

Skip directly to a specific location on a DVD disc.

26) BAND / REPEAT-DISC button

Switches between AM or FM.

Perform repeat whole disc playback of CD or DVD.

27) FM MODE / REPEAT A - B button

Set FM MODE to FM STEREO for FM stereo sound or to FM MONO for mono sound.

Perform point-to-point repeat playback of DVD.

Perform repeat a current track playback of CD.

LOADING THE BATTERIES

USING THE REMOTE CONTROL

- Point the Remote Control at the REMOTE SENSOR located on the Unit.
- When there is a strong ambient light source, the performance of the infrared REMOTE SENSOR may be degraded, causing unreliable operation.
- The recommended effective distance for remote operation is about 16 feet (5 meters).

TO INSTALL BATTERIES

1. Open the battery door.
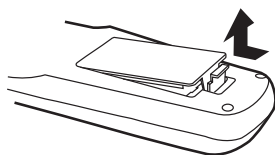
2. Insert two "AA" or UM-3 size batteries.
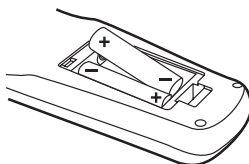
BATTERY REPLACEMENT

When batteries become weak, the operating distance of the Remote Control is greatly reduced and you will need to replace the batteries.

Notes:

- If the Remote Control is not going to be used for a long time, remove the batteries to avoid damage caused by battery leakage corrosion.
- Do not mix old and new batteries. Do not mix ALKALINE, standard (CARBON-ZINC) or rechargeable (NICKEL-CADMIUM) batteries.

PLAYING A DISC

BASIC PLAYBACK

Preparations

• When you want to view a disc, turn on the TV and select the video input connected to the Unit.
• When you want to enjoy the sound of discs from the audio system, turn on the audio system and select the input connected to the Unit.
• Adjust the VOLUME or SOUND control to your desired level. (See ADJUSTING THE SOUND)

1. Press the I/⏻ button on the front panel, the ⏻ indicator lights up.
2. Then press the ⏻/**POWER** or **FUNCTION** button on the remote to turn on the Unit, or press the ▶ **PLAY** or **FUNCTION** button on the front panel to turn on the Unit.
3. Press the ⏏ **OPEN / CLOSE** button. The disc tray opens.
4. Place the disc on the disc tray with the label (side 1 or side 2) side up .
5. Press the ⏏ **OPEN / CLOSE** button. The disc tray closes.
6. Press the ▶ **PLAY** button.
   It takes a short while for your Unit to load the disc. After loading, the Unit will automatically start playback the disc.

To interrupt playback

Press the **II PAUSE** button and **"II PAUSE"** indicator displays on the screen. Press the ▶ **PLAY** button to resume playback.

To stop playback

Press the ■ **STOP** button at the location where you want to interrupt playback. To resume playback at the position where the disc was stopped, press the ▶ **PLAY** button.
Press the ■ **STOP** button twice, the Unit's memory will be cleared.

Notes :

• Use the ⏏ **OPEN / CLOSE** button on the front panel to open or close the disc tray. Do not push the disc tray or you may damage the Unit.
• Let the disc tray open completely before removing the disc. Press the ⏏ **OPEN / CLOSE** button to close the disc tray after you remove the disc.

Selecting the picture enhancement

1. Press the **SETUP** button during playback.
2. Use ▲ or ▼ button to Brightness, and then press the **ENTER** button to select On / Off.
   On : Picture will be raised brightness to clarify details.
   Off : Picture will be deepened colors.
3. Use ▲ or ▼ button to Edges and press the **ENTER** button to select the Sharpen / Soften / Off.
   Sharpen : Fine detail will be easier to see
   Soften : Soft-focus effect.
   Off : Picture will be returned to normal.
4. If you want to exit the SETUP MENU and return to the normal screen, press the **RETURN** button.

Note:

• Actual effect to pictures may vary depending on the TV.

PLAYING A DISC

(continued)

Fast Forward/Fast Reverse

1. Press the **FWD ▶▶** or **◀◀ REV** button when a disc is playing.
   • The disc begins fast scan at x2 speed.

The speed of fast scan

▶▶ x 2
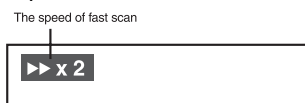
   • Four speeds are available. Each time **FWD ▶▶** or **◀◀ REV** button is pressed, the speed of fast scan changes in the following sequence:

▶▶ x 2 ⟶ ▶▶ x 4 ⟶ ▶▶ x 8 ⟶ ▶▶ x 20

2. Press the **▶ PLAY** button when you reach the desired point.

Slow-motion play

1. Press the **SLOW I▶** or **◀I SLOW** button in the play mode.
   • Two speeds are available. Each time **SLOW I▶** or **◀I SLOW** button is pressed, the speed of slow-motion playback changes in the following sequence:

I▶ x 1/2 ⟶ I▶ x 1/4   or   ◀I x 1/2 ⟶ ◀I x 1/4
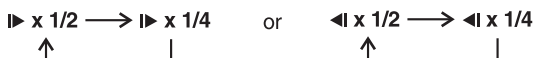
2. Press the **▶ PLAY** button to return to the normal playback speed.

SKIP (Forward / Reverse)

While you are playing a disc, press the **▶▶I NEXT** button of the remote or **▶▶I SKIP** button of front panel to move to the beginning of the next chapter. Press the **I◀◀ PREV** button of the remote or **I◀◀ SKIP** button of the front panel to move to the previous chapter and automatically start playing that chapter.

Zooming into an image

While a disc is playing, press the **ZOOM** button.
• While an image is zoomed, you can use ▲, ▼, ◀ and ▶ button to shift the view and display the part you want.

Press the ZOOM button

Press ◀
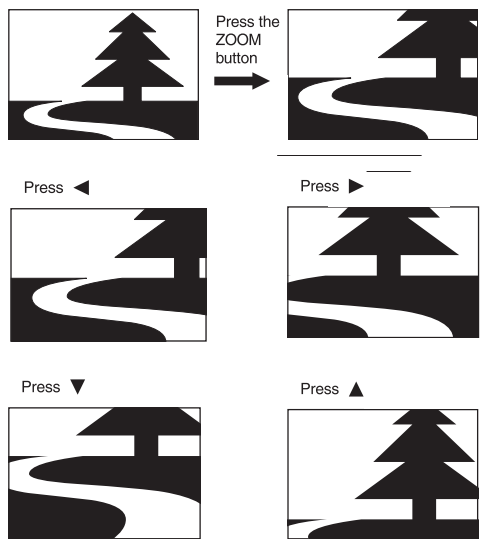
Press ▶

Press ▼

Press ▲

• If you are already at the far left side of the image, the display will not be shifted when you press ◀ button.

PLAYING A DISC

(continued)

Angle selection

Some DVDs contain scenes which have been shot from a number of different angles. For these discs, the same scene can be viewed from each of these different angles. (The recorded angles differ depending on the disc used.)

1. While you are playing a DVD with different angles recorded, press the **ANGLE** button to view the number of the current angle.

> 🎥 2/3
>
> Number changes to show the number of the current angle. (The maximum number of possible angles is 9)
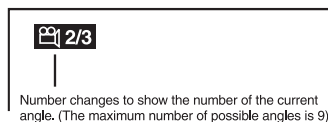
2. Press the **ANGLE** button repeatedly to change the scene to the next angle in those recorded.
• About two seconds later, playback continues from the new angle you selected.
• If no button is pressed within 10 seconds, playback continues without changing the current angle.

Sequence of angle shots
(Example)
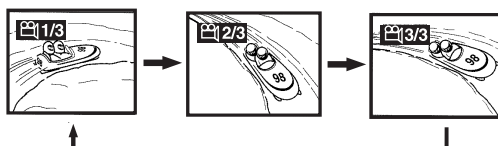
Audio selection

On some discs, the sound is recorded in two or more formats of multi-channel (5ch or 5.1ch). Use procedure below to select the type of playback.
1. While a disc is playing, press the **AUDIO** button to show the current audio format number.

> 🔲 1/3 Fre ⅅⅅ 6 Ch
>
> Recorded audio format number changes sequentially. (The maximum number of audio formats stipulated by the manufacturers is 8)
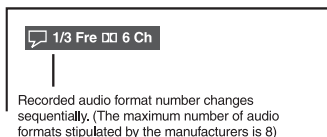
2. Press the **AUDIO** button repeatedly to select the desired audio format.

Subtitle selection

1. While a DVD is playing, press the **SUBTITLE** button to display the current language setting, as shown in the example below.

▭ 1/3 Eng → ▭ 2/3 Spa → ▭ 3/3 Fre → ▭ Off

> ▭ 2/3 Spa
>
> Recorded language changes sequentially.
> (The maximum number of possible subtitle is 8)
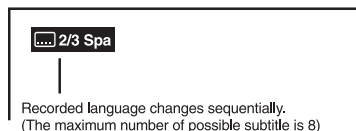
2. Press the **SUBTITLE** button repeatedly to select the desired subtitle language.

Notes :
• If only one language is recorded, the language does not change.
• About two seconds later, playback continues with the new subtitle you selected.
• The number of languages recorded differs depending on the disc.
• If no button is pressed within 10 seconds, playback continues without changing the current subtitle.
• This function can only be used for discs on which subtitles have been recorded in multiple languages.
• On some DVDs, subtitles are activated from the main menu of the DVD. Press the **MENU** button to activate the main menu.

DVD PLAYBACK FOR SPECIAL FUNCTION

About the screen

Using DISPLAY, you can check and change the current settings of the following items: ANGLE, AUDIO and SUBTITLE.

• While the disc is playing, press the **DISP (DISPLAY)** button to display the screen shown as below.

Elapsed time: Elapsed time from the beginning of the chapter which is playing currently.

Remaining time: Remaining time of the title which is playing currently.

<div align="center">

Elapsed Time   **Remaining Time**

00:09:29   01:25:27

</div>
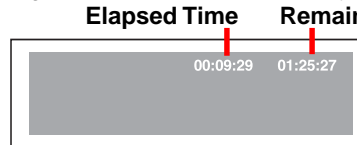
• Press the **DISP (DISPLAY)** button twice to display the screen shown as below.
• Press the **ANGLE, AUDIO** and **SUBTITLE** button to change the selected item.

<div align="center">

Chapter   **Time**

Title

DVD	00:09:29 01:25: 27
Title 1/10 Chapter 3/15 Angle 1/3	**Angle setting**
Audio setting Audio 1/3 Fre 6 Ch	
Subtitle setting Subtitle 2/3 Spa	

</div>
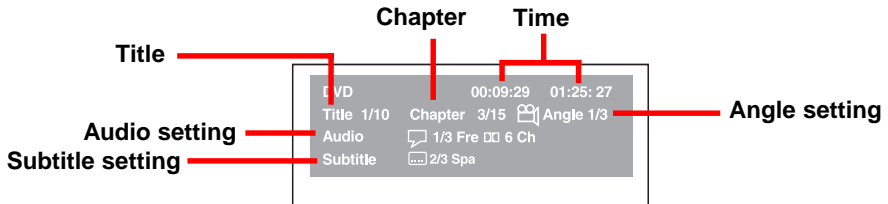
Title skip

• The number of the title currently playing and total titles of disc.
• Press the **GOTO** button to set your desired title, then press the **ENTER** button to confirm.

Chapter skip

• The number of the chapter currently playing and total chapters of the currently played title.
• Press the **GOTO** button to set your desired chapter, then press the **ENTER** button to confirm.

Time skip

• Elapsed time from the beginning of the currently playing chapter and the remaining time from the beginning of the currently playing title.
• Press the **GOTO** button to set your desired point to start playback, then press the **ENTER** button to confirm.

Angle setting

• The current angle is displayed. When a disc with only one angle is played back, "**Angle 1/1**" is displayed.
• Press the **ANGLE** button to select the desired angle.

Audio setting

• The type of audio currently selected is displayed.
• Press the **AUDIO** button to select your desired type of audio.

Subtitle setting

• The subtitle number and language currently selected is displayed. When a disc with only one subtitle is played back, "**1/1 Eng**" is displayed.
• Press the **SUBTITLE** button to select your desired language.

GOTO function

This function allows you to skip directly to the beginning of any title or chapter while a disc is playing.

<div align="center">

Search
Time   **--:--:--**
Title / Chapter **---/---**

</div>
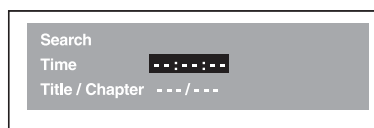
Note :
• After settings, press the **DISP (DISPLAY)** button to return to the normal screen.

E - 17

DVD PLAYBACK FOR SPECIAL FUNCTION
(continued)

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

Locating a specific title directly

If a DVD video disc contains title numbers, you can locate a specifc title by directly selecting a title number.

1. In stop mode, press the **GOTO** button to search your desired title.
2. Press ◄ or ► button to highlight a specific title and press the corresponding number button(s) for the title you want.
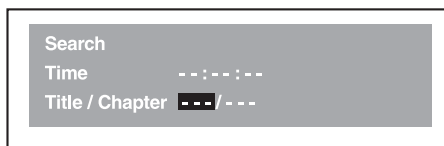
```
Search
Time              -- : -- : --
Title / Chapter   ▬▬▬ / - - -
```

3. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Note :
• Pressing the **CLEAR** button resets the title number.

Locating a specific chapter / track directly

If you know the chapter / track number you want to play, you can locate a specifc chapter / track by directly selecting a chapter / track number.

1. Press the **GOTO** button to search your desired chapter / track.
2. Press ◄ or ► button to highlight a chapter / track and press the corresponding number button(s) for the chapter you want.
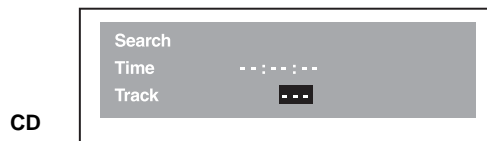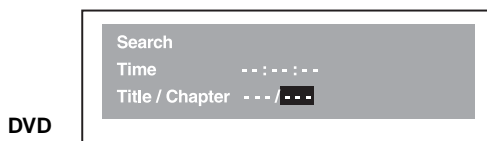
DVD

```
Search
Time              -- : -- : --
Title / Chapter   - - - / ▬▬▬
```

CD

```
Search
Time              -- : -- : --
Track             ▬▬▬
```

3. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Note :
• Pressing the **CLEAR** button resets the chapter / track number.

DVD PLAYBACK FOR SPECIAL FUNCTION

(continued)

Locating a specific time directly

You can locate a specific location by entering its corresponding time (hours, minutes, seconds)
1. Press the **GOTO** button to search your desired playing point.
2. Press ▲ or ▼ button to highlight time.

DVD

Search
Time   -- : -- : --
Title / Chapter --- / ---

CD

Search
Time   -- : -- : --
Track   ---

3. Press the corresponding number buttons for the setting point you want.
   • The first two numbers you entered represent hours.
   • The second two numbers you entered represent minutes.
   • The third two numbers you entered represent seconds.
4. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Notes :
• Some discs may not respond to this process.
• Some scenes may not be located precisely as you specified.
• This method for accessing specific locations is available only within the current title of the DVD disc or within the current track of the Audio CD.
• You can move through the menu by pressing the ▲ and ▼ buttons.
• Pressing the **CLEAR** button resets the time.

Angle setting

1. Press the **DISP (DISPLAY)** button twice. The FUNCTION menu display on the screen and you can see how many angles are recorded on disc.
2. Press the **ANGLE** button repeatedly to select your desired angle.
3. The Unit will change to your desired angle about 3 seconds later.
4. Press the **DISP (DISPLAY)** button to resume the normal screen.

🎥 Angle 1/3 → 🎥 Angle 2/3 → 🎥 Angle 3/3

DVD   00:09:29   01:25: 27
Title 1/10   Chapter 3/15 🎥 Angle 1/3
Audio   🗩 1/3 Fre ▢▢ 6 Ch
Subtitle   ▭ 2/3 Spa
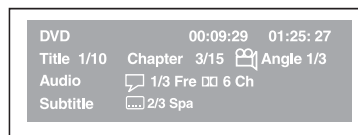
Audio setting

1. Press the **DISP (DISPLAY)** button twice. The FUNCTION menu display on the screen and you can see how many audio formats are recorded on the disc.
2. Press the **AUDIO** button repeatedly to select your desired type of audio.
3. The Unit will change to your desired type audio about 3 seconds later.
4. Press the **DISP (DISPLAY)** button to resume the normal screen.

🗩 1/3 Fre ▢▢ 6 Ch → 🗩 2/3 Spa ▢▢ 6 Ch → 🗩 3/3 ▢▢ 6 Ch

DVD   00:09:29   01:25: 27
Title 1/10   Chapter 3/15 🎥 Angle 1/3
Audio   🗩 2/3 Spa ▢▢ 6 Ch
Subtitle   ▭ 2/3 Spa
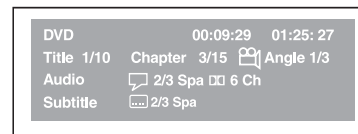
Subtitle setting

1. Press the **DISP (DISPLAY)** button twice. The FUNCTION menu display on the screen and you can see how many audio formats are recorded on the disc.
2. Press the **SUBTITLE** button repeatedly to select your desired language.
3. The Unit will change to your desired language about 3 seconds later.
4. Press the **DISP (DISPLAY)** button to resume the normal screen.

▭ 1/3 Fre → ▭ 2/3 Spa → ▭ 3/3 Eng

DVD   00:09:29   01:25: 27
Title 1/10   Chapter 3/15 🎥 Angle 1/3
Audio   🗩 2/3 Spa ▢▢ 6 Ch
Subtitle   ▭ 1/3 Fre

PLAYING FROM THE DESIRED LOCATION

DVD

Storing locations in the memory

The two types of programmed playback provided by this Unit are title programmed playback and chapter programmed playback.

Title / Chapter programmed playback

1. Press the **MEMORY** button while the disc is stopped.
2. Enter the title numbers in ▪▪. Use ◄ or ► button to move the highlight to chapter and enter the chapter numbers in ▪▪.

Title   Chapter

```
Program
1 -- --   4 -- --   7 -- --   10 -- --
2 -- --   5 -- --   8 -- --   11 -- --
3 -- --   6 -- --   9 -- --   12 -- --
Clear All    Play Program
```
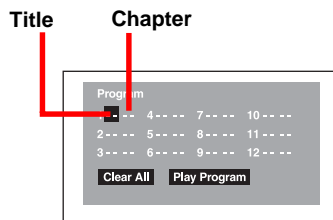
3. Use ◄, ►, ▲ or ▼ button to move to the other field.
4. Repeat steps 2 to 3.
5. Press the ► **PLAY** button to start the programmed playback.

Notes :
- If press the ■ **STOP** button, the programmed selections will be cleared.
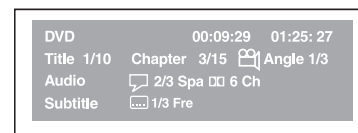- If you press the **CLEAR** button while you are entering a title or chapter, the currently entered numbers are erased and you can reset the numbers again.

CD

Storing locations in the memory

Track programmed playback

1. Press the **MEMORY** button while the disc is stopped.
2. Enter the track numbers in ▪▪▪.

Track

```
Program
1 ---   4 ---   7 ---   10 ---
2 ---   5 ---   8 ---   11 ---
3 ---   6 ---   9 ---   12 ---
Clear All    Play Program
```
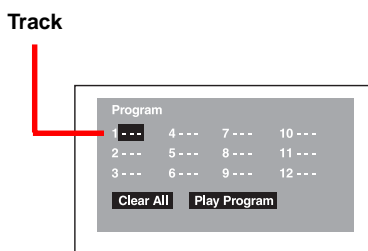
3. Use ◄, ►, ▲ or ▼ button to other field.
4. Repeat steps 2 to 3.
5. Press the ► **PLAY** button to start the programmed playback.

Notes :
- If press the ■ **STOP** button at the location where you want to interrupt playback, Press the ► **PLAY** button to resume playback. Press the ■ **STOP** button twice, the programmed selections will be cleared.
- If you press the **CLEAR** button while you are entering a track, the currently entered numbers are erased and you can reset the numbers again.

REPEAT PLAYBACK

You can play a specific title or chapter repeatedly.
(Title repeat, chapter repeat, A-B repeat)

Repeating a title

You can play the same title repeatedly.

1. While the disc is playing, press the **REPEAT DISC** button until the " Repeat Title " indicator displays on the screen. The current title is played repeatedly.

Repeat Title
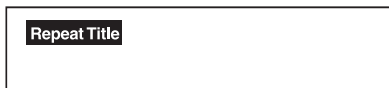
Repeating a chapter

You can play the same chapter repeatedly.

2. While the disc is playing, press the **REPEAT DISC** button until the " Repeat Chapter " indicator displays on the screen. The current chapter is played repeatedly.

Repeat Chapter

To resume normal playback

3. While the disc is playing, press the **REPEAT DISC** button until the " Repeat Off " indicator displays on the screen.

Repeat Off
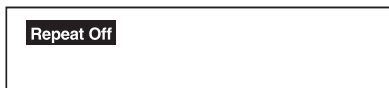
Repeating a specific section

You can play a specific section repeatedly.

1. While the disc is playing, press the **REPEAT A-B** button at the beginning of the section (A-) you want to play repeatedly.

A-

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

B

To resume normal playback

3. While the disc is playing, press the **REPEAT A-B** button until the " Off " indicator displays on the screen.

Off

(continued on next page)

REPEAT PLAYBACK

(continued)

You can play a single track and whole disc repeatedly.

Repeating a single track

You can play the same track repeatedly.

1. While the disc is playing, press the **REPEAT DISC** button until the " `Repeat Single` " indicator displays on the screen. The current track is played repeatedly.

```
Repeat Single
```

Repeating a whole disc

2. While the disc is playing, press the **REPEAT DISC** button until the " `Repeat All` " indicator displays on the screen. The whole disc is played repeatedly.

```
Repeat All
```

To resume normal playback

3. Press the **REPEAT DISC** button until the " `Repeat Off` " indicator displays on the screen.
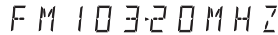
```
Repeat Off
```

RADIO OPERATION

TUNING INTO A STATION MANUALLY

1. Press the I/⏻ button on the front panel. The ⏻ indicator lights up.
2. Press the **FUNCTION** button on the front panel until the frequency band appears on the display.

```
FM 103·20MHZ
```

3. Press the **BAND** button to select the desired band.
4. Press the ◄◄ **TUNING** ►► button to tune in the desired station.

To receive the FM broadcast in stereo

• Press the **FM MODE** button until the " STEREO " word appears on the display.

```
STEREO
```

If the FM Stereo broadcast signal is weak

• Press the **FM MODE** button until the " MONO " word appears on the display. Background noise will be reduced but the signal reproduced will be mono. To restore stereo reception, press the **FM MODE** button to STEREO.

```
MONO
```

To search for a station automatically

• Hold down the ◄◄ **TUNING** ►► buttons on the remote or I◄◄ **SKIP** ►►I buttons for 1 to 2 seconds, and a station is searched for automatically. After tuning in a station, the search stops.
• The search may not stop at a station with a very weak signal.

PRESETTING STATIONS

You can tune into a stored station directly by entering the preset number.

    20 stations on FM band can be preset.

    20 stations on AM(MW) band can be preset.

1. Press the I/⏻ button on the front panel. The ⏻ indicator lights up.
2. Press the **FUNCTION** button on the front panel until the frequency band appears on the display.
3. Press the **BAND** button to select the desired band.
4. Use the ◄◄ **TUNING** ►► button to find your desired station.
5. Press the **MEMORY** button.
6. Press the ►►I **NEXT or PREV** I◄◄ button to select the preset number and press the **MEMORY** button to store the station or use the numbered buttons to enter the number to store the station.
   Example: To select preset number 15, press the +10 and 5 buttons.
                 To select preset number 10, press the +10 and 0 buttons.
7. Repeat steps 3 - 6 to store other stations.

TUNING INTO A PRESET STATION

1. Press the I/⏻ button on the front panel. The ⏻ indicator lights up.
2. Press the **FUNCTION** button on the front panel until the frequency band appears on the display.
3. Press the ■ **STOP** button to select the desired band.
• Press the ► **PLAY** button to select the presetted station or use the numbered buttons to enter the number to select the presetted station.
   Example: To select preset number 15, press the +10 and 5 buttons.
                 To select preset number 10, press the +10 and 0 buttons.

CUSTOMIZING THE FUNCTION SETTINGS

LANGUAGE setting

OSD Menu

1. Press the **SETUP** button.
2. Use ◄ or ► button to select Language, then press the **ENTER** button.
3. Use ▲ or ▼ button to select OSD Menu, then press the **ENTER** button.
4. Use ▲ or ▼ button to shift and select the language, then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2   STEP 3   STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating
OSD Menu	English			
Subtitle	English			
Audio	English			
DVD Menu	English			
Factory Set	Reset			

Language	Video	Audio	More Audio	Rating
OSD Menu	English	English		
Subtitle	English	Français		
Audio	English	Español		
DVD Menu	English			
Factory Set	Reset			

Subtitle

1. Press the **SETUP** button.
2. Use ◄ or ► button to select Language, then press the **ENTER** button.
3. Use ▲ or ▼ button to shift and select the Subtitle, then press the **ENTER** button.
4. Use ▲ or ▼ button to shift and select the language, then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2   STEP 3   STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating
OSD Menu	English			
Subtitle	English			
Audio	English			
DVD Menu	English			
Factory Set	Reset			

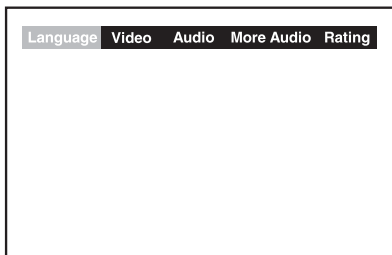| Language	Video	Audio	More Audio	Rating
OSD Menu	English	English		
Subtitle	English	French		
Audio	English	Spanish		
DVD Menu	English	Auto		
Factory Set	Reset	Off		

CUSTOMIZING THE FUNCTION SETTINGS
(continued)

Audio

1. Press the **SETUP** button.
2. Use ◀ or ▶ button to select Language, then press the **ENTER** button.
3. Use ▲ or ▼ button to shift and select the Audio, then press the **ENTER** button.
4. Use ▲ or ▼ button to shift and select the language, then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2   STEP 3   STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating
OSD Menu	English
Subtitle	English
Audio	English
DVD Menu	English
Factory Set	Reset

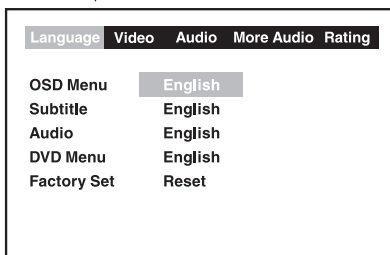| Language	Video	Audio	More Audio	Rating
OSD Menu	English
Subtitle	English
Audio	English	English
DVD Menu	English	French
Factory Set	Reset	Spanish

DVD Menu

1. Press the **SETUP** button.
2. Use ◀ or ▶ button to select Language, then press the **ENTER** button.
3. Use ▲ or ▼ button to shift and select the DVD Menu, then press the **ENTER** button.
4. Use ▲ or ▼ button to shift and select the language, then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.
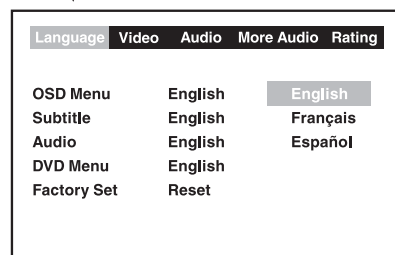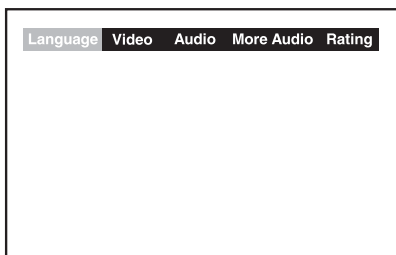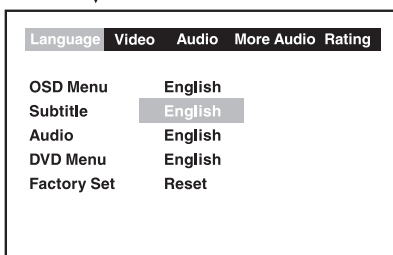
STEP 2   STEP 3   STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating
OSD Menu	English
Subtitle	English
Audio	English
DVD Menu	English
Factory Set	Reset

Language	Video	Audio	More Audio	Rating
OSD Menu	English
Subtitle	English
Audio	English
DVD Menu	English	English
Factory Set	Reset	French
		Spanish

Factory Set

If you want to return the initial language setting.

1. Press the **SETUP** button.
2. Use ◀ or ▶ button to select Language, then press the **ENTER** button.
3. Use ▲ or ▼ button to shift and select the Factory Set, then press the **ENTER** button.
4. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

Note:

When you have proceeded Factory Set, the Unit will take about 20 seconds to return to the initial default setting. That is to say you shall wait about 20 seconds and then you can operate the Unit again.

CUSTOMIZING THE FUNCTION SETTINGS
(continued)

VIDEO setting

TV Shape

1. Press the **SETUP** button.
2. Use ◀ or ▶ button to select Video, then press the **ENTER** button.
3. Use ▲ or ▼ button to select TV Shape, then press the **ENTER** button.
4. Use ▲ or ▼ button to shift and select the TV type, then press the **ENTER** button.
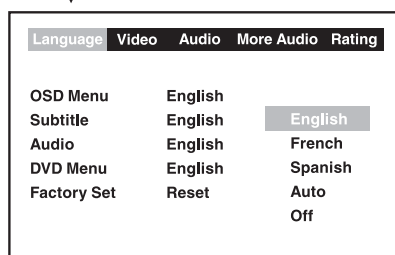5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2

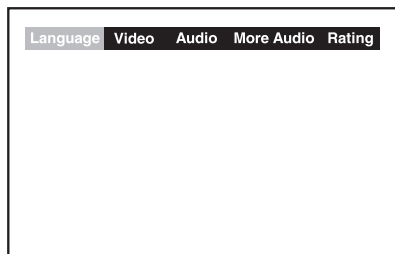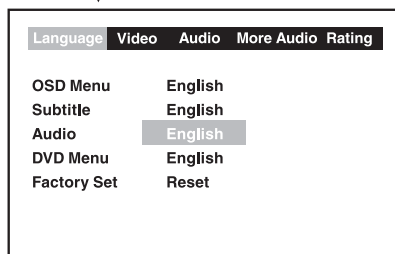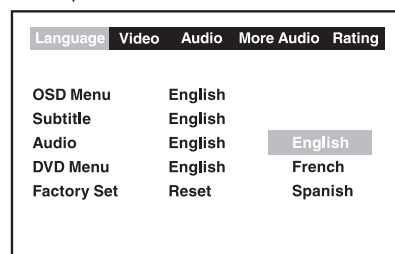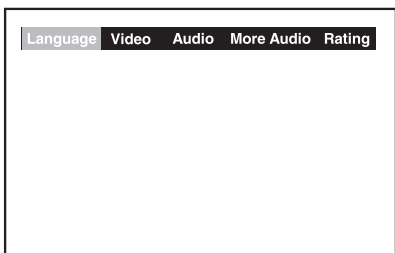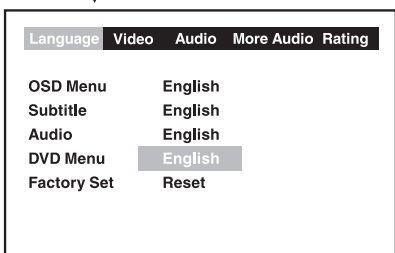| Language	Video	Audio	More Audio	Rating

STEP 3

Language	Video	Audio	More Audio	Rating
TV Shape	4:3 Letter box			
TV System	Auto			
Video Output	CVBS			

STEP 4

Language	Video	Audio	More Audio	Rating
TV Shape	4:3 Letter Box	4:3 Pan Scan		
TV System	Auto	4:3 Letter Box		
Video Output	CVBS	16:9		

Cut off when a wide-screen video image is played.

The actual appearance of the image depends on the screen mode setting of your wide-screen TV.

4:3 Pan Scan
- When wide-screen video material is played, this mode clips the right and left sides of the image so that it can be viewed on a conventional TV screen.
  - Some wide-screen DVDs that do not permit Pan Scan mode playback are automatically played in letterbox mode (black bands top and bottom).

4:3 Letter Box
- When wide-screen video material is played in this mode on a conventional TV screen , black bands appear at the top and bottom of the screen.

16:9 Wide-screen
- This is the correct mode for playing wide-screen videos on a wide-screen TV.
  - You must also set the screen mode on your wide-screen TV to **"FULL"**.

Notes :
- The displayable picture size is preset on the DVD disc. Therefore the playback picture of some DVD discs may not conform to the picture size you select.
- When you play DVD discs recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.
- If you select 16:9 wide-screen mode and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Always be sure that your TV shape conforms to the actual TV in use.

CUSTOMIZING THE FUNCTION SETTINGS
(continued)

TV System
1. Press the **SETUP** button.
2. Use ◄ or ► button to select Video, then press the **ENTER** button.
3. Use ▲ or ▼ button to select TV System, then press the **ENTER** button.
4. Use ▲ or ▼ button to shift and select the signal, then press the **ENTER** button.
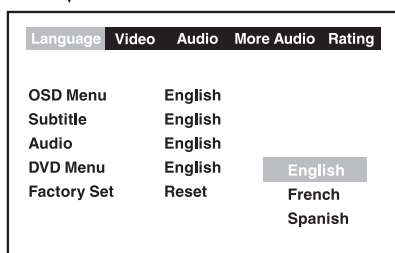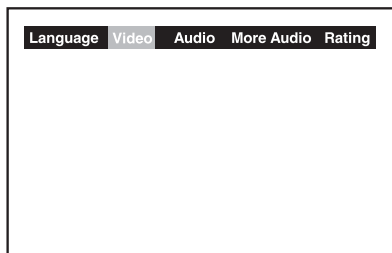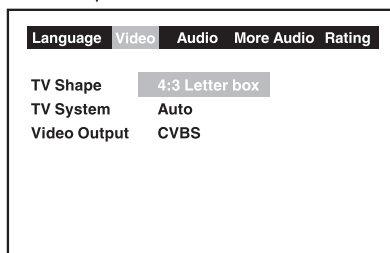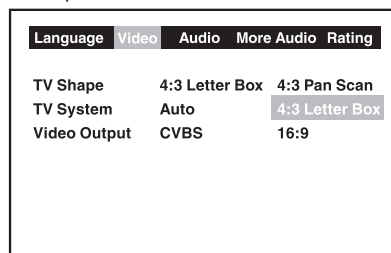5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2   STEP 3   STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating

TV Shape   4:3 Letter Box
TV System   Auto
Video Output CVBS

Language	Video	Audio	More Audio	Rating

TV Shape   4:3 Letter Box
TV System   Auto   NTSC
Video Output CVBS   PAL
                           Auto

NTSC: for NTSC disc. Connect a NTSC TV.

PAL: for PAL disc. Connect a PAL TV.

AUTO: NTSC disc and PAL disc are automatically identified.

Connect a multi-TV (applicable to NTSC, PAL).

A picture may be disturbed when the NTSC or PAL signal recorded is switched.

Attention :
Always keep TV system set in Auto, otherwise, the picture on your TV may be distorted, blinking or no color when you playing an incompatible disc. Please follow the below steps to recover video mode:
1. Change FUNCTION to DVD mode.
2. Open the DVD door.
3. Press the **SETUP**, ►, **ENTER**, ▼, **ENTER**, ▼, **ENTER** & **RETURN** buttons.

Video Output
1. Press the **SETUP** button.
2. Use ◄ or ► button to select Video, then press the **ENTER** button.
3. Use ▲ or ▼ button to select Video Output, then press the **ENTER** button.
4. Use ▲ or ▼ button to shift and select the signal, then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.
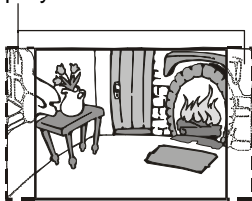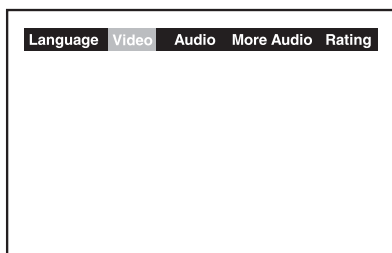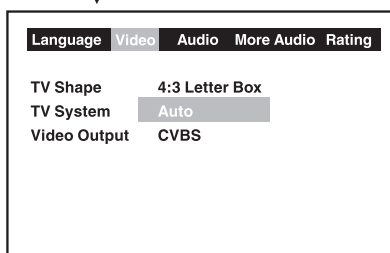
STEP 2   STEP 3   STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating

TV Shape   4:3 Letter Box
TV System   Auto
Video Output CVBS

Language	Video	Audio	More Audio	Rating

TV Shape   4:3 Letter Box
TV System   Auto
Video Output CVBS   CVBS
                           RGB
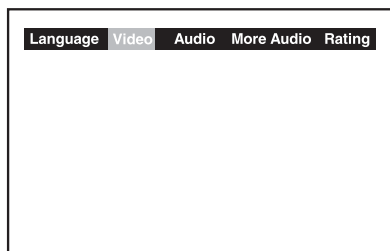
Attention :
Always setting Video Output in CVBS, otherwise, the picture on TV may be not color or distorted. This system does not have an RGB jack. Please follow the below steps to recover video mode:
1. Change FUNCTION to DVD mode.
2. Open the DVD door.
3. Press the **SETUP**, ►, **ENTER**, ▼, ▼, **ENTER**, ▲, **ENTER** & **RETURN** buttons.

CUSTOMIZING THE FUNCTION SETTINGS

(continued)

AUDIO setting

Dolby Digital

1. Press the **SETUP** button.
2. Use ◄ or ► button to select Audio, press the **ENTER** button.
3. Use ◄, ►, ▲ or ▼ button to select Dolby Digital, and then press the **ENTER** button repeatedly to select Analog Out type.
4. Use ► button to shift and press the **ENTER** button repeatedly to select the Digital Out type.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2

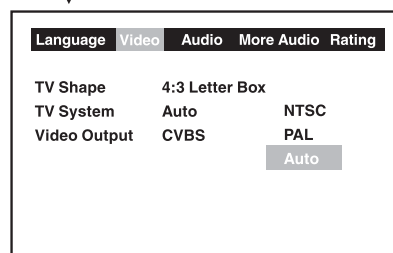| Language	Video	Audio	More Audio	Rating

STEP 3

Language	Video	Audio	More Audio	Rating
		Analog Out	Digital Out	
DOLBY Digtial		6 Channel	PCM	
DTS		Off	Raw	
Others		6 Channel	PCM	

STEP 4

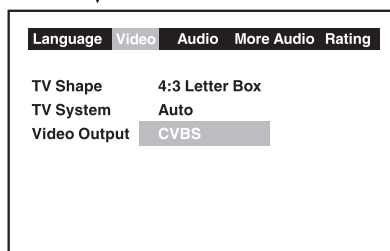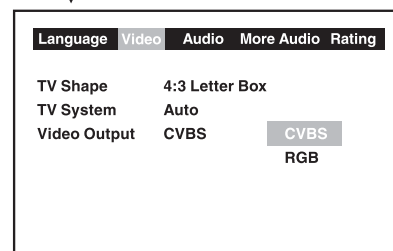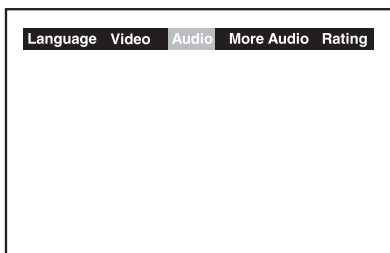| Language	Video	Audio	More Audio	Rating
		Analog Out	Digital Out	
DOLBY Digtial		6 Channel	PCM	
DTS		Off	Raw	
Others		6 Channel	PCM	

Analog Out

6 Channel : Select when connected to a Dolby Digital ready amplifier equipped with 5.1ch audio inputs (5 speakers and 1 subwoofer).

2 Channel : Select when connected to a TV, or Dolby Pro Logic or stereo system via the analog audio jacks.
• The left / right front speakers are activated only.

Digital Out

There will be digital signal.

DTS

1. Press the **SETUP** button.
2. Use ◄ or ► button to select Audio, press the **ENTER** button.
3. Use ◄, ►, ▲ or ▼ button to select DTS and press the **ENTER** button repeatedly to select Digital Out type.
4. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2

Language	Video	Audio	More Audio	Rating

STEP 3

Language	Video	Audio	More Audio	Rating
		Analog Out	Digital Out	
DOLBY Digtial		6 Channel	PCM	
DTS		Off	Raw	
Others		6 Channel	PCM	

Analog Out

There will be no sound coming out with speakers.

Digital Out

There will be digital signal.

Notes :

• When playing DTS-encoded CDs, excessive noise will be exhibited from the speaker outputs. To avoid possible damage to the audio system, the consumer should take proper pre-cautions.

• You can adjust the channel balance on your Unit. Please see "ADJUSTING THE SOUND" on page 9.
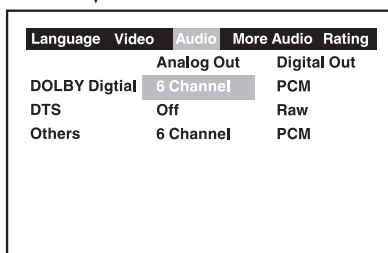
CUSTOMIZING THE FUNCTION SETTINGS
(continued)

Others

1. Press the **SETUP** button.

2. Use ◀ or ▶ button to select Audio, press the **ENTER** button.

3. Use ◀ , ▶,▲ or ▼ button to select Others, and then press the **ENTER** button repeatedly to select Analog Out type.

4. Use ▶ button to shift and press the **ENTER** button repeatedly to select the Digital Out type.

5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.
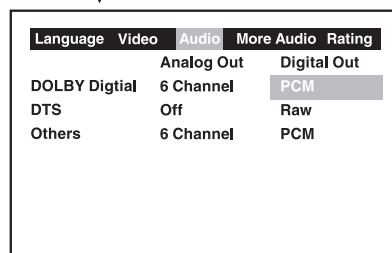
STEP 2

Language	Video	Audio	More Audio	Rating

STEP 3

Language	Video	Audio	More Audio	Rating
		Analog Out	Digital Out	
DOLBY Digtial		6 Channel	PCM	
DTS		Off	Raw	
Others		6 Channel	PCM	

STEP 4

Language	Video	Audio	More Audio	Rating
		Analog Out	Digital Out	
DOLBY Digtial		6 Channel	PCM	
DTS		Off	Raw	
Others		6 Channel	PCM	

Analog Out

6 Channel : Select when connected to a Dolby Digital ready amplifier equipped with 5.1ch audio inputs (5 speakers and 1 subwoofer).

2 Channel : Select when connected to a TV, or Dolby Pro Logic or stereo system via the analog audio jacks.
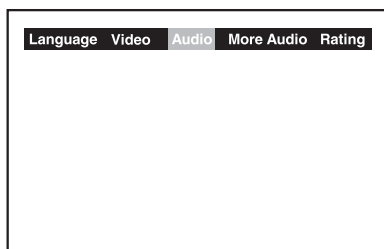• The left / right front speakers are activated only.

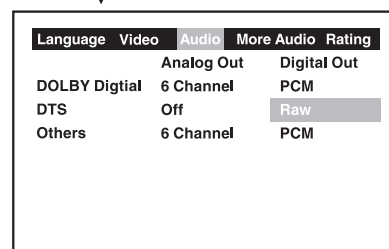**Digital Out**

There will be digital signal.

Note :
• You can adjust the channel balance on your Unit. Please see "ADJUSTING THE SOUND" on page 9.
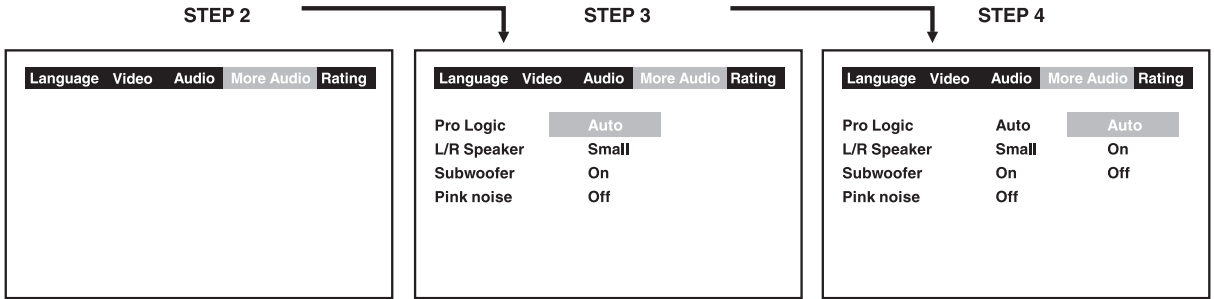
CUSTOMIZING THE FUNCTION SETTINGS
(continued)

MORE AUDIO setting
Pro Logic
1. Press the **SETUP** button.
2. Use ◄ or ► button to select More Audio, press the **ENTER** button.
3. Use ▲ or ▼ button to select Pro Logic, and then press the **ENTER** button.
4. Use ▲ or ▼ button to select the desired setting, and then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2　　　　　　　　　　　　　STEP 3　　　　　　　　　　　　STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating
Pro Logic		Auto		
L/R Speaker		Small		
Subwoofer		On		
Pink noise		Off		

Language	Video	Audio	More Audio	Rating
Pro Logic		Auto	Auto	
L/R Speaker		Small	On	
Subwoofer		On	Off	
Pink noise		Off		

Pro Logic
Auto : When play a Dolby Surround encoded disc, it will be automatically switched on the Pro Logic.
On : Always be switched on the Pro Logic.

L/R Speaker
1. Press the **SETUP** button.
2. Use ◄ or ► button to select the More Audio, press the **ENTER** button.
3. Use ▲ or ▼ button to L/R Speaker, and then press the **ENTER** button.
4. Use ▲ or ▼ button to select the desired setting, and then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

STEP 2　　　　　　　　　　　　　STEP 3　　　　　　　　　　　　STEP 4

Language	Video	Audio	More Audio	Rating

Language	Video	Audio	More Audio	Rating
Pro Logic		Auto		
L/R Speaker		Small		
Subwoofer		On		
Pink noise		Off		

Language	Video	Audio	More Audio	Rating
Pro Logic		Auto		
L/R Speaker		Small	Small	
Subwoofer		On	Large	
Pink noise		Off		

L/R Speaker
Small : Small size of Speaker.
Large : Large size of Speaker.

Note :
• You can adjust the channel balance on your Unit. Please see "ADJUSTING THE SOUND" on page 9.

CUSTOMIZING THE FUNCTION SETTINGS
(continued)

Subwoofer

1. Press the **SETUP** button.
2. Use ◄ or ► button to select the More Audio, press the **ENTER** button.
3. Use ▲ or ▼ button to Subwoofer, and then press the **ENTER** button.
4. Use ▲ or ▼ button to select the desired setting, and then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.
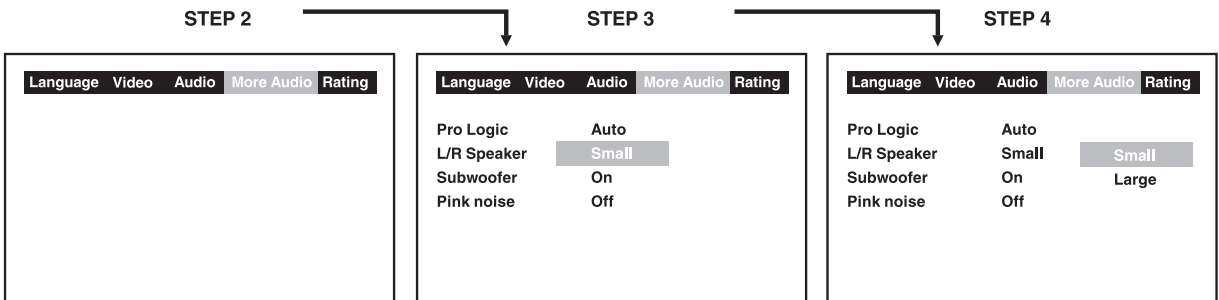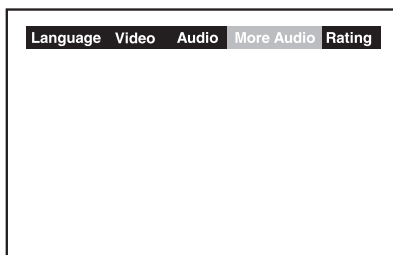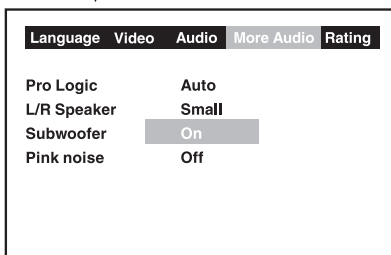
STEP 2   STEP 3   STEP 4

Language Video Audio	More Audio	Rating

Language Video Audio	More Audio	Rating
Pro Logic	Auto	
L/R Speaker	Small	
Subwoofer	On	
Pink noise	Off	

Language Video Audio	More Audio	Rating
Pro Logic	Auto	
L/R Speaker	Small	
Subwoofer	On	On
Pink noise	Off	Off

Subwoofer

On : Always be switched on the Subwoofer.

Off : Always be switched off the Subwoofer.

Note :
- You can adjust the channel balance on your Unit. Please see "ADJUSTING THE SOUND" on page 9.

Pink noise

1. Press the **SETUP** button.
2. Use ◄ or ► button to select the More Audio, press the **ENTER** button.
3. Use ▲ or ▼ button to Pink noise, and then press the **ENTER** button.
4. Use ▲ or ▼ button to select the desired setting, and then press the **ENTER** button.
5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.
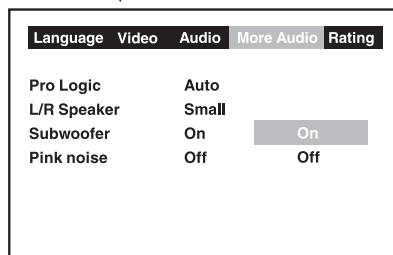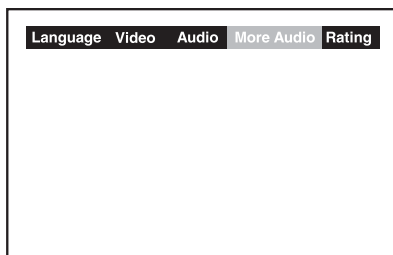
STEP 2   STEP 3   STEP 4

Language Video Audio	More Audio	Rating

Language Video Audio	More Audio	Rating
Pro Logic	Auto	
L/R Speaker	Small	
Subwoofer	On	
Pink noise	Off	

Language Video Audio	More Audio	Rating
Pro Logic	Auto	Off
L/R Speaker	Small	Left
Subwoofer	On	Centre
Pink noise	Off	Right
		Left sur
		Right sur
		Subwoofer

Pink noise

Off : Pink noise test mode should always be switched off, unless you are testing your speakers.

Left : Pink noise comes out from Front left speaker for testing.

Centre : Pink noise comes out from Centre speaker for testing.

Right : Pink noise comes out from Front right speaker for testing.

Left sur : Pink noise comes out from Surround left speaker for testing.

Right sur : Pink noise comes out from Surround right speaker for testing.

Subwoofer : Pink noise comes out from subwoofer for testing.

CUSTOMIZING THE FUNCTION SETTINGS
(continued)

RATING setting

Password

DVD discs equipped with the password function are rated according to their content. The contents allowed by a parental lock level and the way a DVD disc can be controlled may vary from disc to disc.

For example, if the disc allowed you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out playback of the disc altogether.
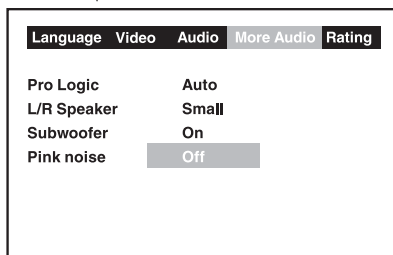
1. Press the **SETUP** button.
2. Use ◀ or ▶ button to select the Rating, press the **ENTER** button.
3. Use ▲ or ▼ button to Rating to change the parental lock level.
4. Use ▲ or ▼ button to Password, Press the number buttons to create a personal 4-digit security code, then press the **ENTER** button.

   If you make a mistake before pressing the ENTER button, press the CLEAR button and enter your 4-digit security code again.

   You cannot play DVD discs rated higher than the level you selected unless you cancel the parental lock function.

   The parental lock level is equivalent to the following ratings.

Level 1 : Kid Safe	Level 5 : PG_R
Level 2 : G	Level 6 : R
Level 3 : PG	Level 7 : NC_17
Level 4 : PG_13	Level 8 : Adult

5. If you want to exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.

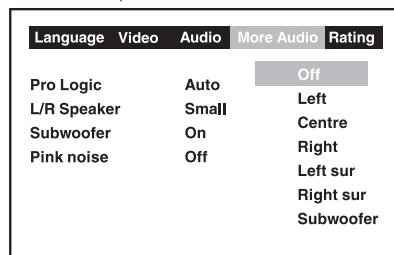   🔓 Select when you activate the parental lock fecture or change the settings.

   🔒 The Parental lock is active.

STEP 2

Language	Video	Audio	More Audio	Rating

STEP 3

Language	Video	Audio	More Audio	Rating

Password   - - - - 🔓
Rating   8. Adult

STEP 4

Language	Video	Audio	More Audio	Rating

Password   - - - - 🔓
Rating   8. Adult
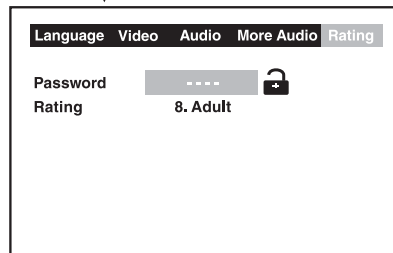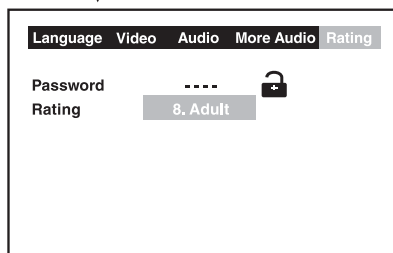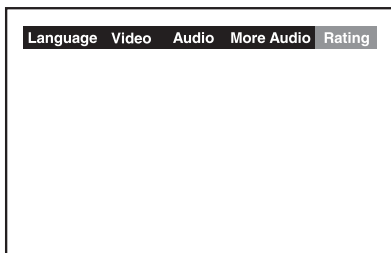
If you forget the password, you can erase your current password by pressing number button 8 on the remote four times, then press the ENTER button to confirm the setting.

PASSWORD : 8 8 8 8

LANGUAGE CODE LIST FOR DISC LANGUAGE

Code	Language Name	Code	Language Name	Code	Language Name	Code	Language Name
AA	Afar	FY	Frisian	MG	Malagasy	SL	Slovenian
AB	Abkhazian	GA	Irish	MI	Maori	SM	Samoan
AF	Afrikaans	GB	Scots Gaelic	MK	Macedonian	SN	Shona
AM	Ameharic	GL	Galician	ML	Malayalam	SO	Somali
AR	Arabic	GN	Guarani	MN	Mongolian	SQ	Albanian
AS	Assamese	GU	Gujarati	MO	Moldavian	SR	Serbian
AY	Aymara	HA	Hausa	MR	Marathi	SS	Siswat
AZ	Azerbaijani	HI	Hindi	MS	Malay	ST	Sesotho
BA	Bashkir	HR	Croatian	MT	Maltese	SU	Sundanese
BE	Byerlorussian	HU	Hungarian	MY	Burmese	SV	Swedish
BG	Bulgarian	HY	Armenian	NA	Nauru	SW	Swahili
BH	Bihari	IA	Interlingua	NE	Nepali	TA	Tamil
BI	Bislama	IE	Interlingue	NL	Dutch	TE	Telugu
BN	Bengali	IK	Inupiak	NO	Norwegian	TG	Tajik
	Bangla	IN	Indonesian	OC	Occitan	TH	Thai
BO	Tibetan	IS	Icelandic	OM	(Afan) Oromo	TI	Tigrinya
BR	Breton	IT	Italian	OR	Oriya	TK	Turkmen
CA	Catalan	IW	Hebrew	PA	Panjabi	TL	Tagalog
CO	Corsican	JA	Japanese	PL	Polish	TN	Setswana
CS	Czech	JI	Yiddish	PS	Pashto, Pushto	TO	Tonga
CY	Welsh	JW	Javanese	PT	Portuguese	TR	Turish
DA	Danish	KA	Georgian	QU	Quechua	TS	Tsonga
DE	German	KK	Kazakh	RM	Rhaeto-	TT	Tatar
DZ	Bhutani	KL	Greenlandic		Romance	TW	Twi
EL	Greek	KM	Cambodian	RN	Kirundi	UK	Ukrainian
EN	English	KN	Kannada	RO	Romanian	UR	Urdu
EO	Esperanto	KO	Korean	RU	Russian	UZ	Uzbek
ES	Spanish	KS	Kashmiri	RW	Kinyarwanda	VI	Vietnamese
ET	Estonian	KU	Kurdish	SA	Sanskrit	VO	Volapük
EU	Basque	KY	Kirghiz	SD	Sindhi	WO	Wolof
FA	Persian	LA	Latin	SG	Sangho	XH	Xhosa
FI	Finnish	LN	Lingala	SH	Serbo-	YO	Yoruba
FJ	Fiji	LO	Laothian		Croatian	ZH	Chinese
FO	Faroese	LT	Lithuanian	SI	Singhalese	ZU	Zulu
FR	French	LV	Latvian, Lettish	SK	Slovak		

MAINTENANCE

CLEANING DISC

- A defective or soiled disc inserted into the Unit can cause sound to drop out during playback.
- Handle the disc by holding its inner and outer edges.
- Do NOT touch the surface of the unlabeled side of the disc.
- Do NOT stick paper or tape on the surface.
- Do NOT expose the disc to direct sunlight or excessive heat.
- Clean the disc before playback. Wipe the disc from the center outward with a cleaning cloth.
- NEVER use solvents such as benzine or alcohol to clean the disc.
- Do not use irregular shape discs (example : heart shaped, octagonal, etc.). They may cause malfunctions.
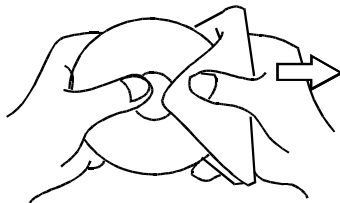
CLEANING THE UNIT

- Be sure to turn the Unit off and disconnect the AC power cord before maintaining the Unit.
- Wipe the Unit with a dry soft cloth.

  If the surfaces are extremely dirty, wipe clean with a cloth which has been dipped in a week soap-and-water solution and wrung out thoroughly, then wipe with a dry cloth.

- Never use alcohol, benzine, thinner, cleaning fluid or other chemicals. And do not use compressed air to remove dust.

IMPORTANT NOTE

Before transporting the Unit, remove all discs from the CD tray.

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE (AND REMEDY)
No power.	• Check that the AC power cord is connected.
No picture.	• The region number of the disc doesn't match the region number of this Unit.
	• The TV is not set to receive DVD signal output.
	• The video cable is not connected.
	• Make sure you turn on the TV.
The picture is not clear.	• Clean the disc.
	• If video from your system has to go through your VCR to get to your TV, the copy-protection applied to some DVD programs could affect picture quality. If you still experience problems after checking your connections, please try connecting your Unit directly to your TV through the S-Video-input, if your TV is equipped with this input.
	• The disc is scratched.
	• The input selection is incorrect.

TROUBLESHOOTING GUIDE

(continued)

SYMPTOM	CAUSE (AND REMEDY)
	• The location and orientation of the antenna are incorrect. If you using an indoor antenna, change to an outdoor antenna.
	• The TV antenna wire is too close to the Unit. Separate the antenna wire of the TV set from the Unit.
No sound or only a very low-level sound is heard.	• Check that the speakers and equipment are connected securely.
	• Make sure that you've selected the corrected equipment on the system.
	• The system is in pause mode or in Slow-motion Play mode. Press the ▶ **PLAY** button to return to normal play mode.
	• Fast forward or fast reverse is performed. Press the ▶ **PLAY** button to return to normal play mode.
	• Check the speaker settings.
	• Make sure that AUDIO output and AUX IN input connections correct.
	• CD-R (CD-Recordable) not guarantee playable as DVD laser characteristic.
	• CD-RW (CD-Rewritable) TOC not yet finalized. Please finalize TOC before use.
	• Adjust the speakers volume.
	• The DTS DVD disc cannot be decoded to have speaker output.
	• This Unit is too hot, shut off half an hour for cooling down.
Severe hum or noise is heard.	• Check that the speakers and equipment are connected securely.
	• Check that the connecting cords are away from a transformer or motor, and at least 10 feet (3 meters) away from a TV set or fluorescent light.
	• Move your TV away from the audio equipment.
	• The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol.
	• Clean the disc.
	• Vibrations from the speakers are affecting the Unit.
The remote does not function.	• Remove any obstacles between the remote and the Unit.
	• Use the remote near the Unit.
	• Point the remote at the remote sensor on the Unit.
	• Replace all the batteries in the remote with new ones.
The disc does not play.	• There is no disc inside ("No Disc" appears on the TV screen).
	• Insert the disc correctly with the playback side facing down on the disc tray.
	• Clean the disc.
	• A non-NTSC disc has been inserted. The Unit and disc region number are incompatible.
	• Condensation may have formed inside the Unit due to a sudden change in temperature. Wait about an hour for it to clear and try again.

SPECIFICATIONS

UNIT

Power supply	AC 120V ~ 60Hz
Power consumption	116 W
Signal system	Standard NTSC
Laser	Semiconductor laser, wavelength 650/780nm
Signal-to-noise	More than 95dB
Audio dynamic range	More than 93dB
Harmonic distortion	Less than 1%
Operating temperature	41°F to 95°F (+5°C to 35°C)
Operating humidity	5% to 85% (no condensation)

VIDEO OUTPUT

Output level	1 Vp-p (75Ω)
Jack	RCA/Pin jack

AUDIO OUTPUT

Output level	1.80 ± 0.2 Vrms (1 kHz, 0dB)
Jack	RCA/Pin jack

SPEAKERS SECTION

Speakers (Front/Center/Rear)

Speaker system	Bass reflex
Speaker unit	70 mm dia. cone type
Rated impedance	8 ohms

SUBWOOFER SECTION

Speaker system	Bass reflex
Speaker unit	180 mm dia. cone type
Rated impedance	6 ohms

Specifications and external appearance are subject to change without notice.

Guidelines of Playing MP3 files

This unit will play MP3 files recorded on CD-R and CD-RW discs.

Playing a MP3 file disc

1. Press the ⏏**OPEN /CLOSE** button, the disc tray opens.

2. Insert a MP3 file disc on the disc tray with the label side up.

3. Press the ⏏**OPEN/CLOSE** button, the disc tray closes.

4. The unit will take a short while to load the disc and automatically playback.

To pause playback

• Press the ❚❚**PAUSE** button. To resume playback again, press the ►**PLAY** button.

To stop playback

• Press the ■**STOP** button.

To skip to the next or previous file

• Press the ►►❙**NEXT** button of the remote control or ►►❙**SKIP** button of the front panel briefly while playing, to skip ahead to the beginning of the next file. Each time you press the button consecutively, the beginning of the next file is located and played back.

• Press the ❙◄◄**PREV** (Previous) button of the remote control or ❙◄◄**SKIP** button of the front panel briefly while playing, to skip back to the beginning of the previous file. Each time you press the button consecutively, the beginning of the previous files is located and played back.

On-Screen Display

Turn on your TV to view the on-screen display of MP3 files.

1. Press the **MENU** button of the remote control to view in DIR (directory) folders name.

2. Press the ▲, ▼, ◄ or ► CURSOR button of the remote control to select the folder, then press **ENT** (Enter) button to confirm.

3. Press the ▲, ▼, ◄ or ► CURSOR button of the remote control to select the file you want to listen to, then press **ENT** (Enter) button and this selected file is located and played back.

Notes:

The ability of this unit to read MP3 discs is dependent on the following:

• The Bit Rate must be within 64 - 256 kbps.

• The total number of files on the disc should not exceed 254.

• The maximum number of directories should not exceed 32.

• The maximum depth level of directories should not exceed 4.

• File names should be named using 8 or fewer letters and/or numbers, and must incorporate the "MP3" file extension. EXAMPLE: ********.MP3 where each * is a letter or number.

• Use only letters and / or numbers in file names. If you use special characters, the file and/or folder names may not be displayed correctly on the on-screen display.

• When recording on CD-R discs, use 74-minute (650M) discs. Do NOT use 80-minute (700M) discs.

• The CD-R or CD-RW discs should be "finalized" in computer by "single section format".

810-DV3295-031