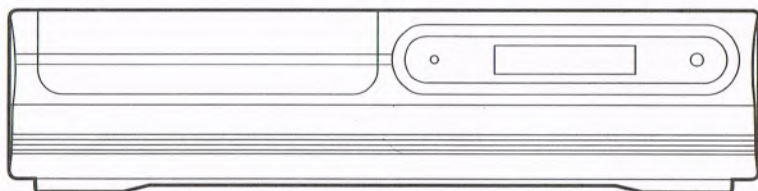


DVD HOME THEATER SYSTEM

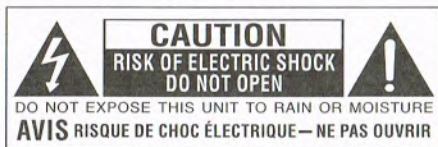


CD-R 



OWNER'S MANUAL

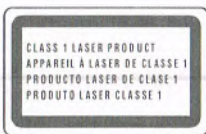
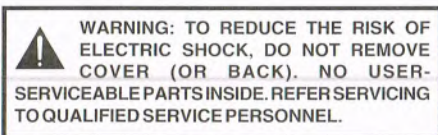
Safety Precautions



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.



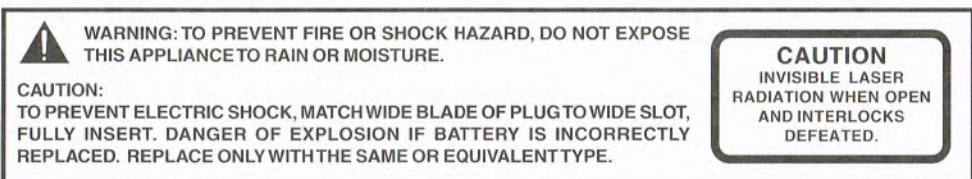
The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this owner manual.



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.
- 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:

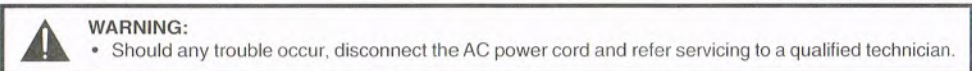
- (1) This device may not cause harmful interference, and
 - (2) This device must accept any interference received, including interference that may cause undesirable operation.
- Shield cables must be used with this unit to ensure compliance with the Class FCC limits.

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 or 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.
- 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.

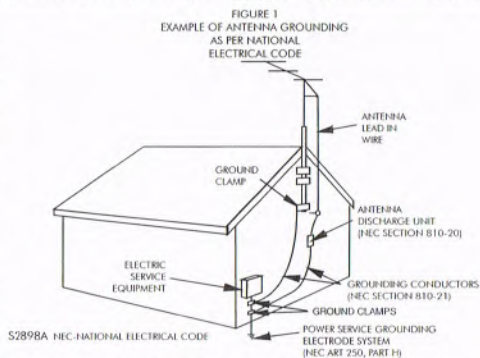


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Disc Formats

The unit can playback.



DVDs
[8cm/12cm disc]



Audio CDs
[8cm/12cm disc]

CD-R CD-RW
Compatible


Region Management Information

Region Management Information: This unit is designed and manufactured to respond to the Region Management Information that is encoded on DVD discs. If the Region number printed 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 screen, it indicates that the function or operation attempted is not available at that time. This occurs because the DVD disc manufacturer determines the specific functions. Certain functions may not be available on some discs. Be sure to read the documentation provided with the DVD.

Icons Used on DVDs

Sample Icons

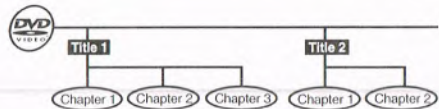
	1 English 2 French	Language selections for audio
	1 English 2 French	Language selections for subtitles
	LB	Screen aspect ratio
	00 2	Multiple camera angles
		Region code indicator

Notes:

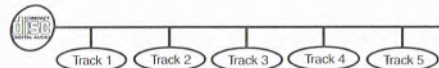
- This Unit supports 2-channel (L/R) audio and 5.1ch (Multi-channel) MPEG Audio 1/2 (only when the DIGITAL AUDIO OUT coaxial jack is used for connection). It does not support 7.1 channel MPEG Audio Version 2.0.
- When playing back a CD-G (Graphics) or CD EXTRA disc, the audio portion will be played,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



- Audio CDs are divided into “tracks”. A “track” is usually one song on an Audio CD.



Note :

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

Notes on Unauthorized Discs

You may not be able to play back some DVD discs on this unit if they were purchased from outside your geographic area or made for business purposes.

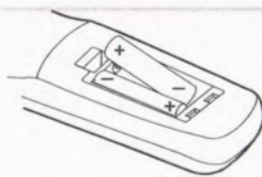
Before You Start

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 "AAA" or UM-4 size batteries.



Battery Replacement

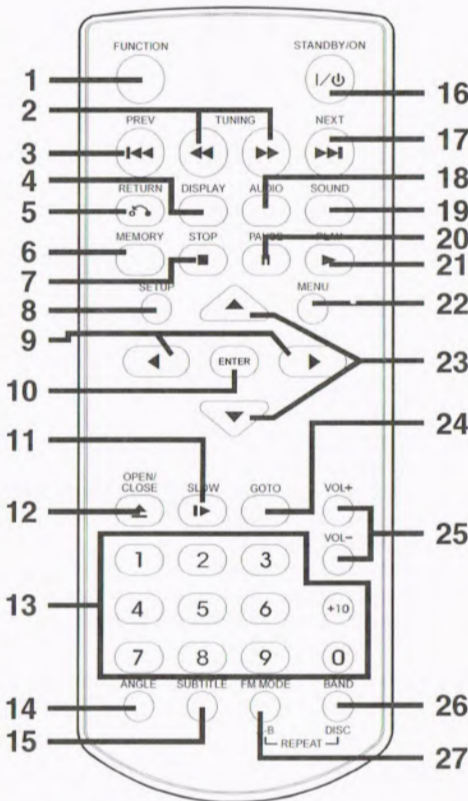
When batteries become weak, the operating distance of the Remote Control is greatly reduced and you will need to replace the batteries.



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.

Parts and Functions

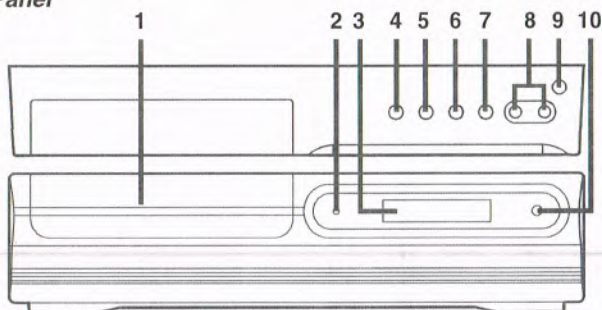
Remote Control



- 1) **FUNCTION button**
Display the FUNCTION screen where you can check or change various setting.
- 2) **◀ / ▶ SEARCH buttons**
◀ : Fast reverse playback.
▶ : Fast forward playback.
- 3) **◀◀ PREV button**
Move reverse through titles, chapters or tracks on a disc.
- 4) **DISPLAY button**
Change disc status information displayed on the TV.
- 5) **RETURN button**
Return to the normal operation after using the SETUP menu.
- 6) **MEMORY button**
Enter the number of a selected chapter or track.
- 7) **■ STOP button**
Stop playback.
- 8) **SETUP button**
Open and close the unit's SETUP menu screen.
- 9) **◀ / ▶ CURSOR buttons**
Use to highlight selections on a menu screen and make adjust certain settings.
- 10) **ENTER button**
Confirm selections on a menu screen.
- 11) **SLOW ▶ button**
Perform slow forward playback of DVDs.
- 12) **▲ OPEN / CLOSE button**
Use to open or close the disc tray.
- 13) **Number (0 - 9) and (+10) buttons**
Use when creating programs, and entering a parental level password. To select numbers over 9, press +10 button and then the second no. for example, to enter 18, press +10 and then 8.
- 14) **ANGLE button** 
Switch the camera angle of the video presentation when scenes with multiple camera angles are recorded on a DVD.
- 15) **SUBTITLE button** 
Select one of the subtitle languages programmed on a DVD.
- 16) **STANDBY / ON [I / ⏻] button**
Turns the Unit on and puts it in standby mode.
- 17) **NEXT ▶▶ button**
Move forward through titles, chapters or tracks on a disc.
- 18) **AUDIO button**
Select one of the audio soundtracks programmed on a DVD or selects the audio output mode on a AUDIO CD.
- 19) **SOUND button**
Selects sound balance and tone controls for adjustment with the cursor buttons.
- 20) **⏸ PAUSE button**
Pause playback, frame advance.
- 21) **▶ PLAY button**
Start playback.
- 22) **MENU button**
Open and close DVD's menu.
- 23) **▲ / ▼ CURSOR buttons**
Use to highlight selections on a menu screen and adjust certain settings.
- 24) **GOTO button**
Skip directly to a specific location on a DVD disc.
- 25) **VOL +/- buttons**
Adjust the volume.
- 26) **BAND / REPEAT-DISC button**
Switch between AM(MW) or FM.
Repeat chapter or title of a DVD.
Repeat single track or whole CD.
- 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 on a DVD or CD.

Parts and Functions

Front and Top Panel

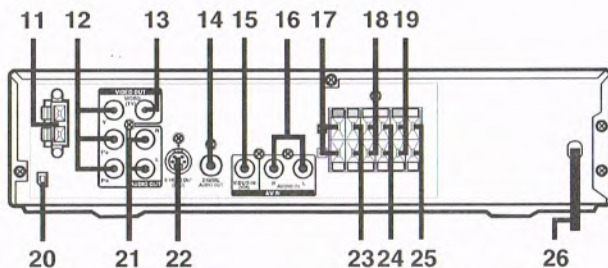


- 1) **Disc tray**
Open or close tray by pushing OPEN/CLOSE button. Place a disc on the disc tray, label side up.
- 2) **STANDBY indicator**
When the Unit is turned on by pressing the STANDBY/ON button. If you press the STANDBY ⏻ /ON button on the remote control, the Unit will turn off and go into standby mode. The light will continue to illuminate.
- 3) **Display window**
Display system information.
- 4) **OPEN/CLOSE button**
Use to open and close the disc tray.
- 5) **▶ PLAY button**
Press to start or resume playback
- 6) **■ STOP button**
Stop playing a disc.
- 7) **FUNCTION button**
Select the source.
- 8) **VOLUME controls**
Change the loudness of the sound from the speakers connected to the Unit.
- 9) **STANDBY/ON button**
Turn the power on or off.
- 10) **Remote sensor**
Receive the remote control unit signals.

Note:

Screen saver - If no button is pressed within 2 minutes, the function will activate. If you want to return the normal screen, press any button.

Rear Panel












- 11) FM ANTENNA jack
- 12) COMPONENT VIDEO jacks (Y, PB/CB, PR/CR)
- 13) VIDEO OUT jack
- 14) DIGITAL AUDIO OUT jack
- 15) VIDEO IN (VCR) jack
- 16) AUDIO IN (R/L) jacks
- 17) Right FRONT speaker terminals
- 18) SUBWOOFER terminals
- 19) Left REAR speaker terminals
- 20) AM(MW) LOOP ANTENNA terminal
- 21) Left/Right AUDIO OUT jacks
- 22) S-VIDEO OUT jack
- 23) Right REAR speaker terminals
- 24) CENTER speaker terminals
- 25) Left FRONT speaker terminals
- 26) Power cord

DISPLAY

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 Main Unit is switched on.	No Disc	NO	"NO" appears when the tray is closed and: 1) There is no disc in the tray. 2) The disc type is not playable in this Unit. 3) The disc is not loaded correctly (upside-down, etc.)
Tray open		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	SF 1/2		Does not function for Audio CDs.
Repeat A - B	Rep A- Rep A-B	A-B	Repeat a specific section.
			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).

SETUP

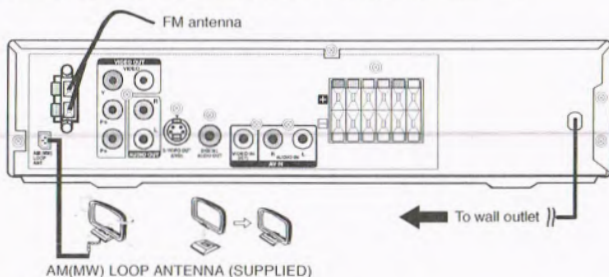
For better reception

FM

Connect FM antenna (included) to the FM ANTENNA jacks.

AM(MW)

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

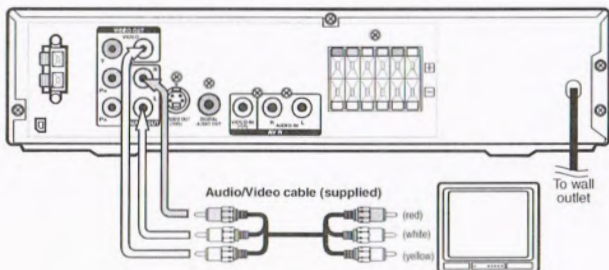


A. Connecting your TV

The unit can be connected to your TV in several different ways, depending on the design of your TV.

RCA Audio/Video cable

Use the Audio/Video cable (supplied). Connect the VIDEO OUT and left/right AUDIO OUT jacks on the unit to the VIDEO IN and left/right AUDIO IN jacks on your TV.

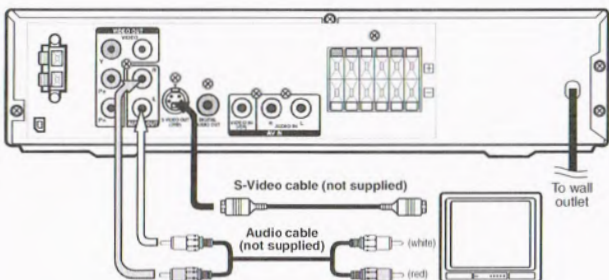


or

S-Video cable

Use an S-Video cable (not supplied) and the Audio cable (not supplied).

1. Use an S-Video cable to connect the S-VIDEO (DVD) jack on your unit to the S-VIDEO IN jack on your TV.
2. Next, use the Audio cable to connect the left/right AUDIO OUT jacks on the unit to the left/right AUDIO IN jack on your TV.



SETUP

or

Component video outputs (DVD)

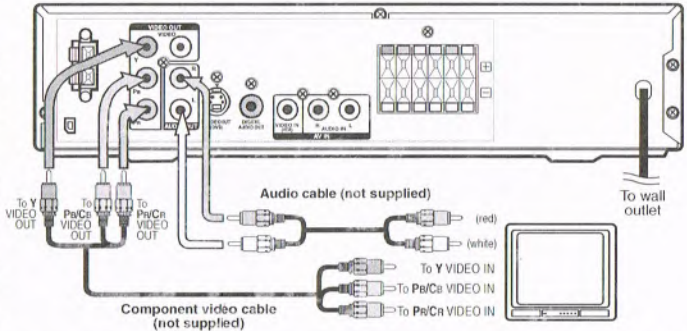
Some TVs or monitors are equipped with component video inputs.

Using the Audio cable (not supplied), connect the left/right AUDIO OUT jacks on your Unit to the left/right AUDIO IN jacks on your TV and the Component video cable (not supplied), connect the **Green** plug **Y VIDEO OUT** jack on your Unit to **Y VIDEO IN** jack on your TV, the **Blue** plug **Pb/Cb VIDEO OUT** jack on your Unit to **Pb/Cb VIDEO IN** jack on your TV and the **Red** plug **Pr/Cr VIDEO OUT** jack on your Unit to **Pr/Cr VIDEO IN** jack on your TV to view the higher quality picture playback.

Progressive outputs (DVD)

Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressively scanned video signal.

Using the Audio cable (not supplied), connect the left/right AUDIO OUT jacks on your Unit to the left/right AUDIO IN jacks on your TV and the Component video cable (not supplied), connect the **Green** plug **Y VIDEO OUT** jack on your Unit to **Y VIDEO IN** jack on your TV, the **Blue** plug **Pb/Cb VIDEO OUT** jack on your Unit to **Pb/Cb VIDEO IN** jack on your TV and the **Red** plug **Pr/Cr VIDEO OUT** jack on your Unit to **Pr/Cr VIDEO IN** jack on your TV to enjoy highest quality picture with less flicker.



Notes :

- Connect the Unit to your TV directly. If you connect the Unit through a VCR, the playback picture will be distorted because DVD discs are copy protected.
- When you connect the Unit to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connection.
- Refer to the instruction manual of the connected equipment as well.

B. Connecting another source

Analogue connection

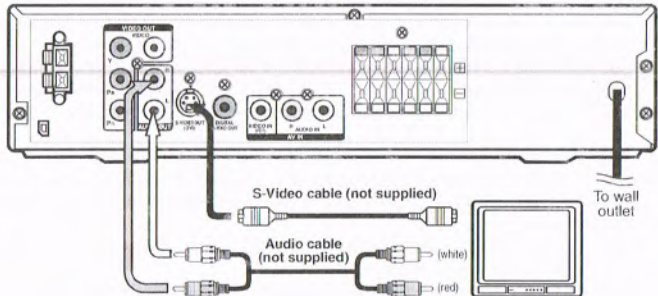
Using the Audio cable (not supplied), connect the left/right AUDIO OUT jack on your Unit to the AUDIO IN jack.

Digital connection

Using the Coaxial Digital Audio cable (not supplied), connect the DIGITAL AUDIO OUT on your Unit to the DIGITAL AUDIO IN jack on your another equipment.

Listening to another audio equipment

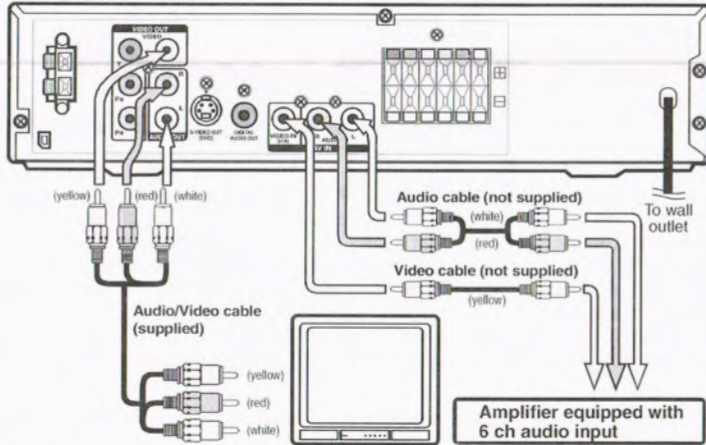
1. Turn on the Unit.
2. Turn on your audio equipment and follow the instructions included with it to select the AUDIO IN or DIGITAL IN function.



SETUP

C. Connecting a VCR

1. Using the supplied Audio/Video cable, connect the yellow plug from VIDEO OUT jack on your Unit to VIDEO IN jack on your TV, connect the left and right AUDIO OUT jacks on your Unit to AUDIO IN jacks on your TV. If you want the sound come from the speakers of the Main Unit, you need not to connect these left and right Audio cable from the Main Unit to your TV.
 2. Using the Video cable (not supplied), connect the VIDEO IN (VCR) jack on your Unit to VIDEO OUT jack on your VCR.
 3. Using the Audio cable (not supplied), connect the left/right AUDIO IN jacks on your Unit to the AUDIO OUT jacks on your VCR.
- An adaptor can be bought locally to connect the round RCA-style plugs to a scart socket. For the TV get a scart INPUT adaptor. For the VCR get a scart OUTPUT adaptor.



Watching a DVD

1. Turn on the Unit, use the **FUNCTION** button on the remote control or the front panel to select "DVD".
2. Turn on your TV and follow the instructions included with it to select VIDEO function which correspond to the VIDEO IN jack you need connected with the Main Unit.

Watching a Videotape

1. Turn on the Unit, use the **FUNCTION** button on the remote control or the front panel to select "AV_IN".
2. Turn on your TV and follow the instructions included with it to select VIDEO function which corresponds to the VIDEO IN jack that is connected with the Main Unit.
3. Turn on the VCR and follow the instructions included with it to play the videotape.

Notes:

- If you want sound from the Unit and sound from equipment connected to it (see next page) to come only from the speakers of the Unit, do not connect the left and right audio plugs from the Unit to your TV.
- Sound from the VCR or other external equipment will not be heard from the television if you connect the television with a scart to scart cable. This is because the scart connector on the DVD amplifier Unit only carries output from the DVD player part.
- If VCR Audio is mono, surround speakers sound level will be low or absent.

To hear the sound from television programmes through the Unit

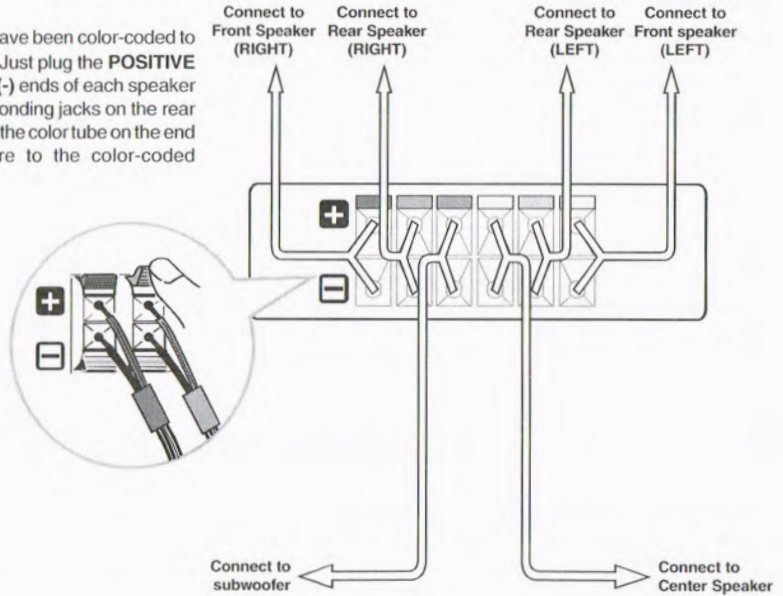
Sound from the television does not go to the speakers of the DVD amplifier Unit with the suggested connections. To hear sound from television programmes through the DVD amplifier's loudspeakers you need to use your video recorder as a television tuner. To do this follow these steps:

1. Connect up the VCR as above in "Connecting a VCR". If your television does not have the round (RCA-style) connectors you can get an RCA to scart input adaptor.
2. Press the **FUNCTION** button on the DVD Amplifier Unit to get AV_IN mode, shown on the front panel display.
3. On the television, select the AV or scart input channel for the DVD amplifier Unit.
4. On the VCR, select the television programme you want to watch.

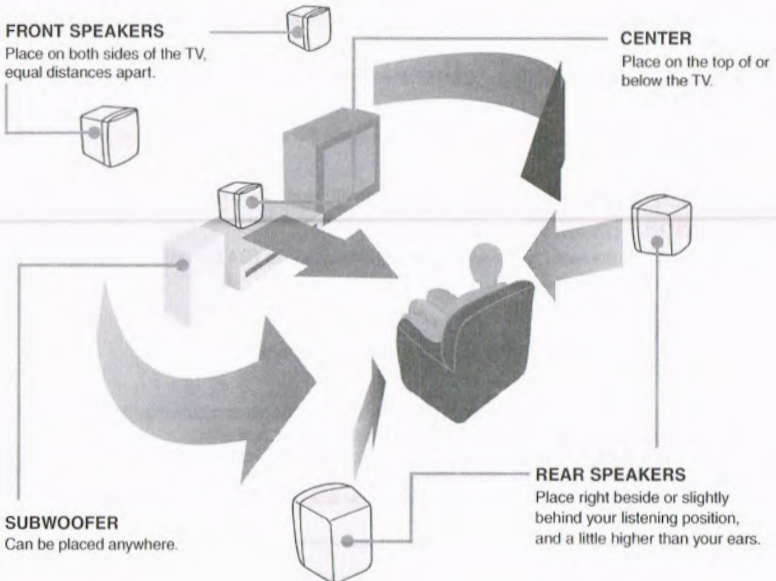
SETUP

D. Connecting the speakers & subwoofer

The speaker cords have been color-coded to simplify connection. Just plug the **POSITIVE (+)** and **NEGATIVE (-)** ends of each speaker wire into the corresponding jacks on the rear of the Unit, matching the color tube on the end of the speaker wire to the color-coded connector.




E. Positioning the speakers and subwoofer



SETUP

Turning on the Unit and TV

- 1) Press the **STANDBY/ON** button to turn the Unit ON, or
- 2) Press the **STANDBY**  **/ON** button on the remote control or the **FUNCTION** button or the **▶ PLAY** button to turn on the Unit while the Unit is in standby mode.
- 3) Turn on the TV by pressing its **POWER** button.
- 4) Select the channel on your TV corresponding to the VIDEO IN jack that the Unit is connected to. See TV User guide for more information.
 - If you have connected the Unit 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.
- **To prevent electrical shock, match wide blade of plug to wide slot, fully insert.**
- Be sure the AC power cord is disconnected and all functions are off before making connections.
- When you are not going to use the Unit for a long period of time, disconnect the power cord.

ADJUSTING THE SOUND

To adjust the surround sound balance

Use the remote control to make the following changes to speaker balance:

Front speaker (left)

- Press the **SOUND** button repeatedly to display "LFT 5", then press the **▲** or **▼** **CURSOR** button to adjust the sound level. It will show on the your TV.

Front speaker (right)

- Press the **SOUND** button repeatedly to display "RGT 5", then press the **▲** or **▼** **CURSOR** button to adjust the sound level. It will show on the your TV.

Rear speaker (left)

- Press the **SOUND** button repeatedly to display "RL 5", then press the **▲** or **▼** **CURSOR** button to adjust the sound level. It will show on the your TV.

Rear speaker (right)

- Press the **SOUND** button repeatedly to display "RR 5", then press the **▲** or **▼** **CURSOR** button to adjust the sound level. It will show on the your TV.

Center speaker

- Press the **SOUND** button repeatedly to display "CEN 5", then press the **▲** or **▼** **CURSOR** button to adjust the sound level. It will show on the your TV.

Subwoofer

- Press the **SOUND** button repeatedly to display "SUB 5", then press the **▲** or **▼** **CURSOR** button to adjust the sound level. It will show on the your TV.

Note :

- If you do not press any button within a few seconds, the display will return to normal.

To adjust the sound quality

Press the **SOUND** button repeatedly to select an equalization mode (**BASS** and **TREBLE**). Press the **▼** or **▲** **CURSOR** button to adjust the sound level.

BASS : the low range of sounds

TREBLE : the high range of sounds

Bass and treble control the sound from the front left and right speakers.

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.




Manufactured under license from Dolby Laboratories.

'Dolby', the double-D symbol  are trademarks of Dolby Laboratories.

This owner's manual explains the basic instructions of this DVD Unit. Some DVD discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD Unit may not respond to all operating commands. This is not a defect in the DVD Unit. Refer to the instruction notes of discs.

“” may appear on the TV screen during operation. A “” means that the desired operation is not permitted by the DVD Unit or the disc.

Playing a Disc

1. Press the **STANDBY/ON** button on the front panel or press the **STANDBY** /ON button on the remote control to turn on the Unit while the Unit is in standby mode, press the **FUNCTION** button to select DVD mode.

See **CUSTOMIZING THE FUNCTION SETTINGS** before proceeding to step 2.

2. Press the **▲OPEN/CLOSE** button. The disc tray opens.

3. Place the disc on the disc tray with the label side up.

4. Press the **▲OPEN/CLOSE** button. The disc tray closes.

It takes a short while for your Unit to load the disc. After loading, for some discs, the Unit will automatically start playback of the disc.

5. Press the **▶ PLAY** button.

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.

Pausing playback (still mode)

Press the **⏸ PAUSE** button. To resume normal playback, press the **▶ PLAY** button.

Stopping 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.



If you press the **■ STOP** button twice, the Unit's memory will be cleared and pressing the **▶ PLAY** button will reset the disc to the beginning.



To skip to a different track



- Press the **⏮ PREV** button on the remote once to skip to the start of the previous track.
- Press the **⏭ NEXT** button on the remote to skip to the next track.
- For audio CD disc, use the number buttons (remote control only) to jump straight to that track number.

Playing a Disc

Fast Forward/Fast Reverse

1. Press the **TUNING**  or  **TUNING** button when a disc is playing.

- The disc begins fast scan at x2 speed.
- Four speeds are available. Each time **TUNING**  or  **TUNING** button is pressed, the speed of fast scan changes in the following sequence:
 $x 2 \rightarrow x 4 \rightarrow x 8 \rightarrow x 20$
or
 $x 2 \leftarrow x 4 \leftarrow x 8 \leftarrow x 20$


Note: You also can press and hold **TUNING**  /  buttons repeatedly to select different fast scan speeds.


2. Press the **PLAY** button when you reach the desired point to resume playback at normal speed.

SKIP (Forward / Reverse)

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


Slow-motion play

Press the **SLOW**  button in the play mode.


- Two speeds are available. Each time **SLOW**  button is pressed, the speed of slow-motion playback changes in the following sequence:
 $SF1/2 \rightarrow SF1/3 \rightarrow SF1/4 \rightarrow SF1/5 \rightarrow SF1/6 \rightarrow SF1/7$
2. Press the **▶ PLAY** button to return to the normal playback speed.

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.

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]
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.

Notes:

- This function can only be used for discs on which scenes shot from multiple angles have been recorded.
- If only one angle is recorded, "  : [1/1] " is displayed.

Sequence of angle shots (Example)



Audio selection



On some discs, the sound is recorded in two or more formats. Follow the directions below to select the type of playback.

1. While a disc is playing, press the **AUDIO** button to show the current audio format number.

2. Press the **AUDIO** button repeatedly to select the desired audio format.

Notes :

- If only one audio format is recorded, the number does not change.
- About two seconds later, playback continues in the new audio format.

 : 1ENG  6CH

Subtitle selection

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

2. Press the **SUBTITLE** button repeatedly to select the desired subtitle language.

 : 2ESP

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 a few 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.

DISPLAY function

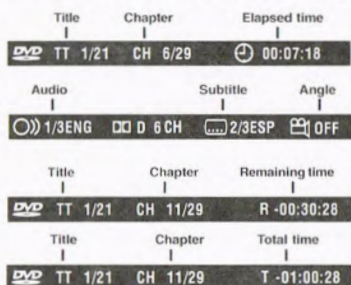
Using DISPLAY, you can check the current settings of the following items: **ANGLE**, **AUDIO** and **SUBTITLE**.

- While the disc is playing, press the **DISPLAY** button to display the screen shown below.

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

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

- Press the **DISPLAY** button repeatedly to display the screen shown as below.
- Press the **ANGLE**, **AUDIO** and **SUBTITLE** button to change the selected item.



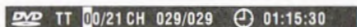
GOTO function

This function allows you to skip directly to any part of the disc while a disc is playing.

Locating a specific title

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

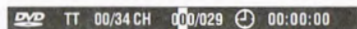
- In play mode, press the **GOTO** button.
- Press **◀** or **▶** button to highlight a specific field and press the corresponding number button(s) for the title you want.
- Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.



Locating a specific chapter / track

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

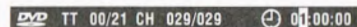
- Press the **GOTO** button to search your desired chapter / track.
- Press **◀** or **▶** button to highlight a chapter / track and press the corresponding number button(s) for the chapter you want.
- Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.



Locating a specific time

You can move to a specific location by entering its corresponding time (hours, minutes, seconds)

- Press the **GOTO** button.
- Press **◀** or **▶** button to highlight time.
- Press the corresponding number buttons for the setting point you want.
- 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 as precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD disc.

Programmable memory

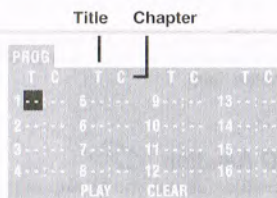
The two types of programmed playback provided by this Unit are title programmed playback and chapter programmed playback.

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 **---**.
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.

Note:

- If you press the **■ STOP** button twice at programmed playback mode, the programmed playback function will be cancelled.



Programmable memory

Track programmed playback

1. Press the **MEMORY** button while the disc is stopped.
2. Enter the track numbers in **---**.
3. Use **◀**, **▶**, **▲** or **▼** button to other field.
4. Repeat steps 2 to 3.
5. Press the **▶ PLAY** button to start the programmed playback.



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 "**REP: TITLE**" indicator displays on the screen.
The current title is played repeatedly.

Repeating a chapter

You can play the same chapter repeatedly.

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

To resume normal playback

3. While the disc is playing, press the **REPEAT DISC** button until the "**REP: OFF**" indicator displays on the screen.

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 "**REP: REP 1**" indicator displays on the screen.
The current track is played repeatedly.

Repeating a whole disc

2. While the disc is playing, press the **REPEAT DISC** button until the "**REP: REP ALL**" indicator displays on the screen. The whole disc is played repeatedly.

To resume normal playback

3. Press the **REPEAT DISC** button until the "**REP: OFF**" indicator displays on the screen.

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 (**REPEAT A-**) is displayed you want to play repeatedly.
2. Press the **REPEAT A-B** button again at the end of the section (**REPEAT A-B**) is displayed.
3. The Unit will immediately begin replaying your selection.

To resume normal playback

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

Notes :

- A-B repeat can only be used within the same title. If the start and end of the section to be repeated are in different titles, A-B repeat is cancelled.
- The A-B repeat function does not operate in scenes where different camera angles are recorded.

Playing Picture File Disc

This unit can play Picture files recorded on CD-R and CD-RW discs.

Playing Picture file disc

1. Press **▲ OPEN/CLOSE** knob to open the disc door.
2. Place the disc on the disc tray with the labe side up.
3. Press **▲ OPEN/CLOSE** knob to close the disc door.
4. The unit will take a short while to load the disc, automatically begin playback.

Press the **▲**, **▼**, **◀** or **▶** **CURSOR** button to view and select the files, you want to listen to then press **ENTER** button to confirm and this selected file will be played.

Notes:

- You can press the **II PAUSE** button to interrupt playback, and press the **▶ PLAY** button to resume playback.
- You also can use **GOTO** function or use the numbered buttons to enter the number to quickly select any image.
- Press the **ANGLE** button on the remote control to rotate the picture orientation by 90°.

Radio Operation

Tuning into a station manually

1. Press the **FUNCTION** button until the frequency band appears on the display.
2. Press the **BAND** button on the remote remote or **■ STOP** button on the front panel to select the desired band.
3. Press the **◀◀ TUNING ▶▶** button to tune in the desired station.

FM Stereo

- Press the **FM MODE** button on the remote until " **5 T** " appears on the display.

Weak FM stations

- Press the **FM MODE** button on the remote 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 on the remote to select STEREO.

Note:

- The left / right front speakers and subwoofer are activated only.

To search for a station automatically

- Hold down the **◀◀ TUNING ▶▶** buttons on the remote or 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.

30 stations on FM band can be preset.

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

1. Press the **FUNCTION** button until the frequency band appears on the display.
2. Press the **BAND** button on the remote to select the desired band.
3. Use the **◀◀ TUNING ▶▶** button to find your desired station.
4. Press the **MEMORY** button on the remote.
5. Press the **▶▶I NEXT** or **PREV I◀◀** button to select the preset number and press the **MEMORY** button on the remote to store the station.
6. Repeat steps 2-5 to store other stations.

Tuning into a preset station

1. Press the **FUNCTION** button on the front panel until the frequency band appears on the display.
2. Press the **BAND** button on the remote to select the desired band.
- Press the **▶ PLAY** button and **▶▶I NEXT** or **PREV I◀◀** button to select the presetted station or use the numbered buttons to enter the number to select the presetted station.

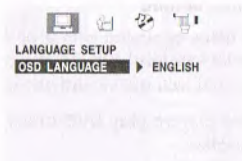
Example: To select preset number 15, press the +10 and 5 buttons.

To select preset number 10, press the +10 and 0 buttons.

Customizing the Function Settings

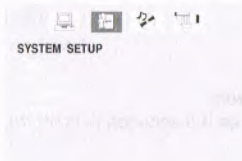
LANGUAGE setting

1. Press the **SETUP** button in stop mode.
2. Use **▶** button to change the highlight cursor. Use **▲** or **▼** button to select a language, then press the **ENTER** button. The screen will change to your selected language immediately.
3. To exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.



SYSTEM setting

1. Press the **SETUP** button.
2. Use **▲** button to **LANGUAGE SETUP**, then press **◀** or **▶** button repeatedly until the **SYSTEM SETUP** appear.
3. Use **▲** or **▼** button to select the options (**VIDEO, TV Type, Password, Rating, Default**), then press the **▶** button. Use **▲** or **▼** button to be adjusted, then press the **ENTER** button. (The screen will change to your selected setting.)
4. Repeats step 2 and 3 above to adjust other options.
5. To exit the FUNCTION SETUP MENU and return to the normal screen, press the **RETURN** button.



Pan Scan

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

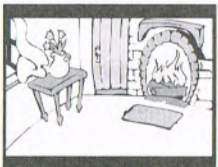
Cut off when a wide screen video image is played.



Pan Scan

Letter Box

- When wide-screen video is played in this mode on a conventional screen, black bands appear at the top and bottom of the screen.



Letter Box

Wide Screen

- This is the correct mode for playing wide-screen videos on a wide-screen.



Wide Screen

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 aspect ratio, the playback picture will always appear in the 4:3 aspect ratio regardless of the TV shape setting.

Password

Use **▲** or **▼** button to shift and select Password, press **▶** button and enter your 4-digit security code, then press the **ENTER** button.

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



Indicates Parental lock is NOT active.



The Parental lock is active.

Customizing the Function Settings

RATING setting

DVD discs equipped with a password function and are rated according to their content. The contents allowed by parental lock level and the way a DVD disc is controlled may vary from disc to disc. For example, if the disc allowed, you could lock-out violent scenes unsuitable for children or you could lock out playback of the disc altogether.

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.

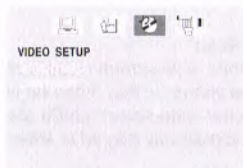
Level 1 : Kid Safe	Level 5 : PG_R
Level 2 : G	Level 6 : R
Level 3 : PG	Level 7 : NC_17
Level 4 : PG_13	Level 8 : Adult

Default

It takes 3-5 seconds to reset the unit to the factory default.

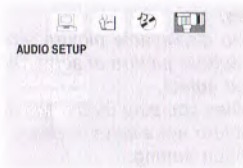
VIDEO setting

1. Press the **SETUP** button.
2. Use **▲** button to **LANGUAGE SETUP**, then press **◀** or **▶** button repeatedly until the **VIDEO SETUP** appear.
3. Use **▲** or **▼** button to select the option (**BRIGHTNESS** or **CONTRAST**), then press the **▶** button. Use **▲** or **▼** button to be adjusted, then press the **ENTER** button. (The screen will change to your selected setting.)
4. Repeats step 2 and 3 above to adjust other options.
5. To exit the **FUNCTION SETUP MENU** and return to the normal screen, press the **RETURN** button.



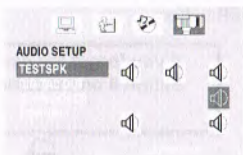
AUDIO setting

1. Press the **SETUP** button.
2. Use **▲** button to **LANGUAGE SETUP**, then press **◀** or **▶** button repeatedly until the **AUDIO SETUP** appear.
3. Use **▲** or **▼** button to select the option (**TESTSPK**, **Digital Out**, **Subwoofer & Downmix**), then press the **▶** button. Use **▲** or **▼** button to be adjusted, then press the **ENTER** button. (The screen will change to your selected setting.)
4. Repeats step 2 and 3 above to adjust other options.
5. To exit the **FUNCTION SETUP MENU** and return to the normal screen, press the **RETURN** button.



TESTSPK

Use **▲** or **▼** button to select "TESTSPK", then press **ENTER** to confirm setting. Press **◀** or **▶** button to select the speaker [Front Left, Center, Front Right, Subwoofer, Rear Right or Rear Left] and enter **▲** or **▼** to adjust the sound level. To exit the **TEST SPK**, press **ENTER** button to confirm the setting.



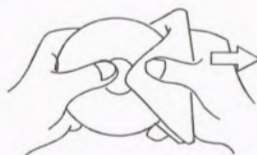
Maintenance

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 centre outwards 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 weak 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 disc from the CD tray.

Trouble Shooting Guide

SYMPTOM

CAUSE (AND REMEDY)

- | SYMPTOM | CAUSE (AND REMEDY) |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No power. | <ul style="list-style-type: none">• Check that the AC power cord is connected. |
| No picture. | <ul style="list-style-type: none">• 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.• The TV is not turned on. |
| The picture is not clear. | <ul style="list-style-type: none">• 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. |

Trouble Shooting Guide

SYMPTOM

CAUSE (AND REMEDY)

No sound or only a very low-level sound is heard.

- The location and orientation of the antenna are incorrect. If you use 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.
- 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 AV IN input connections correct.
- Adjust the speakers volume.
- The DTS DVD disc cannot be decoded to have speaker output.
- This Unit is too hot, shut off half 30 minutes for cool down.
- You can use the Pink Noise setting to test that the speaker output is present (Please see Customizing the Function Settings)

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-PAL disc has been inserted. The Unit and disc region numbers 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.

The DVD door cannot open.

- Reset the Unit, press the **STANDBY/ON** button to turn off the Unit, wait for a few seconds, then restart the Unit again.