

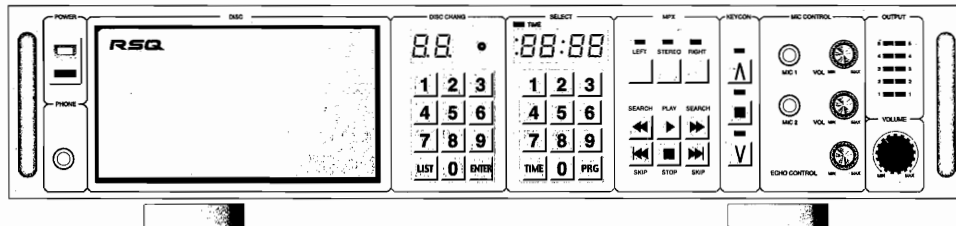
# RSQ<sup>®</sup>

## 10 Disc DVD changer & CDG Karaoke

CK-1

### OWNER'S MANUAL

Before operating the unit, please read this manual carefully, and retain it for future reference.



MP3



NOTE : THE DESIGNS & SPECIFICATIONS ARE SUBJECT

TO CHANGE WITHOUT NOTICE.

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## Copyright Protection Notice

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.

# INTRODUCTION

## Safety instructions



**WARNING**  
RISK OF ELECTRIC  
SHOCK DO NOT OPEN



**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 arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

**WARNING :** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

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

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

Use of controls, adjustments or the performance of procedures other than those specified may result herein hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open the enclosure. **DO NOT STARE INTO BEAM.**

### 1. Read owner's manual

After unpacking this product, read the owner's manual carefully and follow all the operating and other instructions.

### 2. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

### 3. Grounding or Polarization(for the customers in USA)

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

If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

### 4. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered.

The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

### 5. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. during storms, or when it is left unattended and unused for long periods of time, unplug it from

the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

### 6. Water and Moisture

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

### 7. Cleaning

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

### 8. 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 product.

### 9. Overloading

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

### 10. Lightning

For added protection of this product during storms, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

### 11. Object and Liquid Entry

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

### 12. Attachments

# INTRODUCTION

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

## 13. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

## 14. Disc Tray

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

## 15. Burden

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

## 16. Connecting

When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

## 17. Sound Volume

Reduce the volume to the minimum level before you turn on the product. Otherwise, sudden high volume sound may cause hearing or speaker damage.

## 18. Sound Distortion

Do not allow the product to output distorted sound for a long time. It may cause speaker overheating and fire.

## 19. Headphones

When you use the headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

## 20. Laser Beam

Do not look into the opening of the disc tray or ventilation opening of the product to see the source of the laser beam. It may cause sight damage.

## 21. Disc

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

## 22. Damage Requiring Service

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

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- If the product exhibits a distinct change in performance—this indicates a need for service.

## 23. Servicing

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

## 24. Replacement parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

## 25. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

### IMPORTANT for the U.K.

**DO NOT** cut off the plug for this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety-approved extension lead or consult your dealer.

**BE SURE** to replace the fuse only with an identical approved type, as originally fitted.

If nonetheless the plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the power supply.

If this product is not supplied fitted with a plug then follow the instructions given below:

### IMPORTANT.

**DO NOT** make any connection to the terminal which is marked with the letter E or by a safety ground symbol or coloured green or green/yellow. The wires in the lead on this product are coloured in accordance with the following

codes:

Blue : Neutral

Brown : Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

**IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.**





### Caution -POWER switch!

Disconnect the plug to shut the power off completely. The POWER switch in any position does not disconnect the unit from the power source. The power can be remote controlled.

# INTRODUCTION

## Before Use

### Playable Discs

	DVD (12 cm disc)
	Video CD (VCD) (12 cm disc)
	Audio CD (12 cm disc)
	Audio & Graphic picture CD(CD-G) (12 cm disc)

In addition, this unit can play a DVD-R, DVD-RW, Enhanced CD Kodak PICTURE CD, DVCD, SVCD, and CD-R or CD-RW that contains audio titles, MP3, WMA or JPEG files.

#### Notes


- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD-R/RW) disc itself, some CD-R/RW (or DVD-R/RW) discs cannot be played on the unit.
- Do not attach any seal or label to either side (the labeled side or the recorded side) of a disc.
- Do not use irregularly shaped CDs (e.g., heart-shaped or octagonal). It may result in malfunctions.

#### Notes on DVDs and Video CDs

Some playback operations of DVDs and Video CDs may be intentionally fixed by software manufacturers. As this unit plays DVDs and Video CDs according to disc content designed by the software manufacturer, some playback features of the unit may not be available or other functions may be added.

Refer also to the instructions supplied with the DVDs and Video CDs. Some DVDs made for business purposes may not be played on the unit.

#### Regional code of the DVD player and DVDs

This DVD player is designed and manufactured for playback of region "1" encoded DVD software. The  region code on the labels of some DVD discs indicates which type of player can play those discs. This unit can play only DVD discs labeled "1" or "ALL". If you try to play any other discs, the message "Check Regional Code" will appear on the TV screen. Some DVD discs may not have a region code label even though their playback is prohibited by area limits.

### Disc-related terms

#### Title (DVD only)

The main film content or accompanying feature content or additional feature content, or music album.

Each title is assigned a title reference number enabling you to locate it easily.

#### Chapter (DVD only)

Sections of a picture or a musical piece that are smaller than titles. A title is composed of one or several chapters.

Each chapter is assigned a chapter number, enabling you to locate the chapter you want. Depending on the disc, chapters may not be recorded.

#### Track (Video CD, CD-G and audio CD only)

Sections of a picture or a musical piece on a video CD or an audio CD. Each track is assigned a track number, enabling you to locate the track you want.

#### Scene

On a video CD with PBC (Playback control) functions, moving pictures and still pictures are divided into sections called "Scenes". Each scene is displayed in the menu screen and assigned a scene number, enabling you to locate the scene you want.

A scene is composed of one or several tracks.

### Types of video CDs

There are two types of video CDs:

#### Video CDs equipped with PBC (Version 2.0)

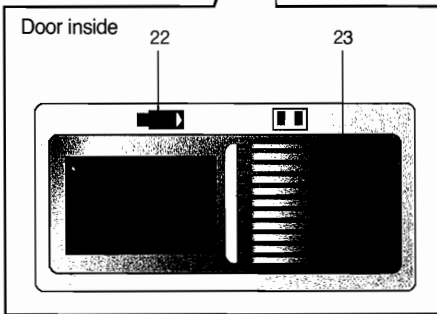
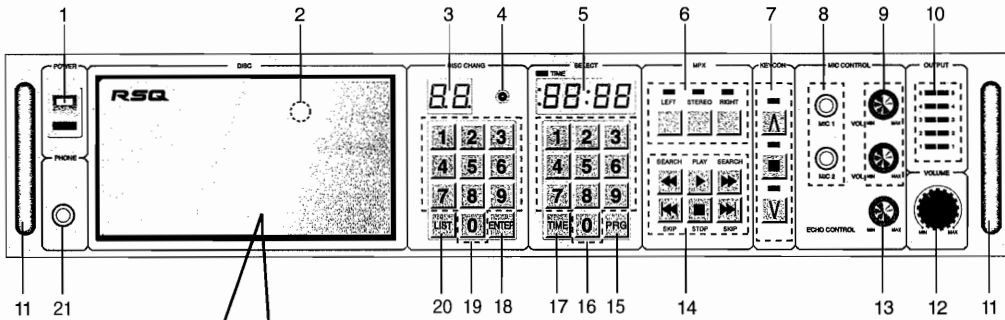
PBC (Playback control) functions allow you to interact with the system via menus, search functions, or other typical computer-like operations. Moreover, still pictures of high resolution can be played if they are included in the disc.

#### Video CDs not equipped with PBC (Version 1.1)

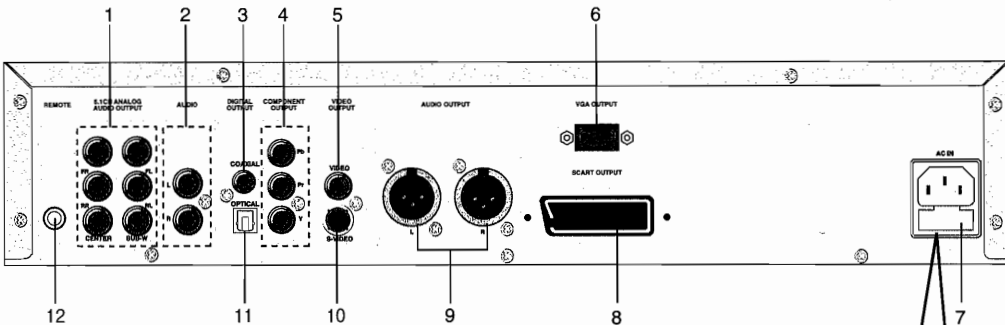
Operated in the same way as audio CDs, these discs allow playback of video pictures as well as sound, but they are not equipped with PBC.

# INTRODUCTION

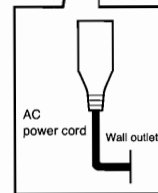
## Front panel & Rear panel



- 1. POWER switch
- 2. Door Push open position
- 3. Disc number indicator
- 4. Remote sensor
- 5. Time / track indicator
- 6. Multiplex(MPX) sound buttons and Indicators
- 7. KEY control buttons and indicators
- 8. MIC1/MIC2 input
- 9. MIC1/MIC2 volume
- 10. OUTPUT level meter
- 11. Multi-use handles
- 12. Master volume
- 13. Echo control
- 14. Disc control buttons
  - ◀◀ : Fast rewind
  - ▶ : Play
  - ▶▶ : Fast forward
  - ◀◀ : Skip previous
  - : Stop
  - ▶▶ : Skip next
- 15. PRG: Program button
- 16. Disc Track /Title number select buttons (1~0)
- 17. TIME: Time information select button
- 18. ENTER: Disc select confirm button
- 19. DISC SELECT NUMERIC buttons (1~0)
- 20. LIST: Disc information display button
- 21. Headphone input
- 22. Magazine eject switch
- 23. Magazine in-slot

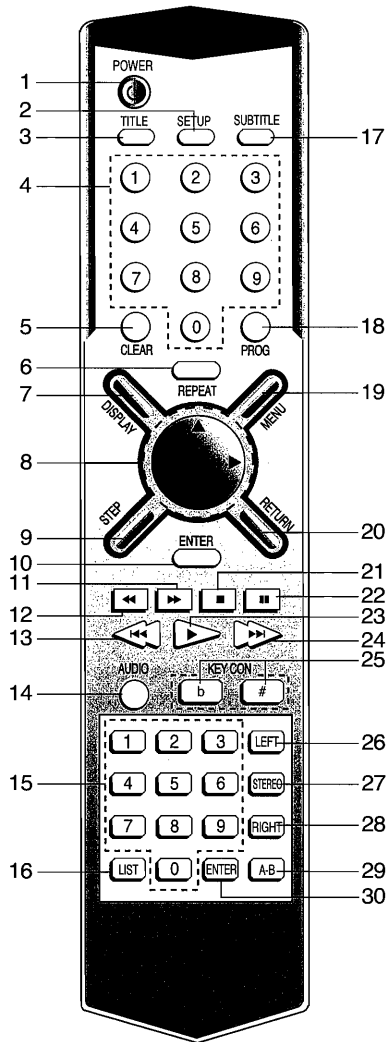
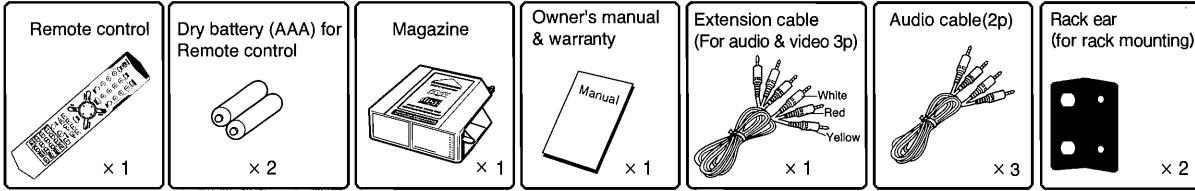


- 1. 5.1 Channel AUDIO OUT
- 2. 2 Channel mixed AUDIO OUT
- 3. Coaxial Digital AUDIO OUT
- 4. Component VIDEO OUT
- 5. Composite VIDEO OUT
- 6. VGA OUTPUT(optional)
- 7. AC POWER IN
- 8. SCART OUTPUT
- 9. XLR AUDIO OUTPUT. Same with 2channel mixed AUDIO OUTPUT. Connect it to the auxiliary Power Amplifier etc.
- 10. S-VIDEO OUTPUT
- 11. Optical DIGITAL AUDIO OUT
- 12. Wired remote controller input(optional)



# INTRODUCTION

## Accessories & Remote controller



1. POWER button
2. SETUP button
3. TITLE button
4. Track Number buttons
5. CLEAR button
6. REPEAT button
7. DISPLAY button
8. CURSOR (◀/▶/▲/▼) buttons
9. STEP button
10. ENTER button
11. FAST FORWARD(▶▶) button
12. FAST REWIND(◀◀) button
13. SKIP PREVIOUS(◀◀) button
14. AUDIO button
15. Disc Number buttons
16. Disc LIST button
17. SUBTITLE button
18. PROGRAM button
19. MENU button
20. RETURN button
21. STOP (■)button
22. PAUSE(▬▬) button
23. PLAY (▶) button
24. SKIP NEXT (▶▶) button
25. KEY CONTROL(b/#) button
26. LEFT MONO button
27. STEREO button
28. RIGHT MONO button
29. REPEAT A-B button
30. DISC ENTER button

# CONNECTIONS

## Preparing the Remote Controller

### Inserting the Batteries

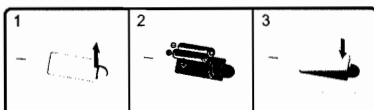
#### 1. Detach the battery cover.

#### 2. Insert the batteries.

Be sure to match the + and - ends of the batteries with the diagram inside the battery compartment.

#### 3. Attach the battery cover.

UM-4/ size AAA/ R03 x 2pcs



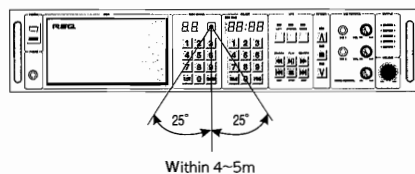
#### Notes

- Do not mix new batteries with old batteries or different kinds of batteries.
- To avoid corrosion, remove the batteries if the remote controller is not to be used for a long time.
- Remove dead batteries immediately to avoid damage from corrosion. If the remote controller does not operate smoothly, replace both the batteries at the same time.
- The life of the batteries supplied is about six months but this will vary depending on usage.

### Using the Remote Controller

#### ◆ Pointing the remote controller in the right direction

Point the remote controller toward the remote control sensor.



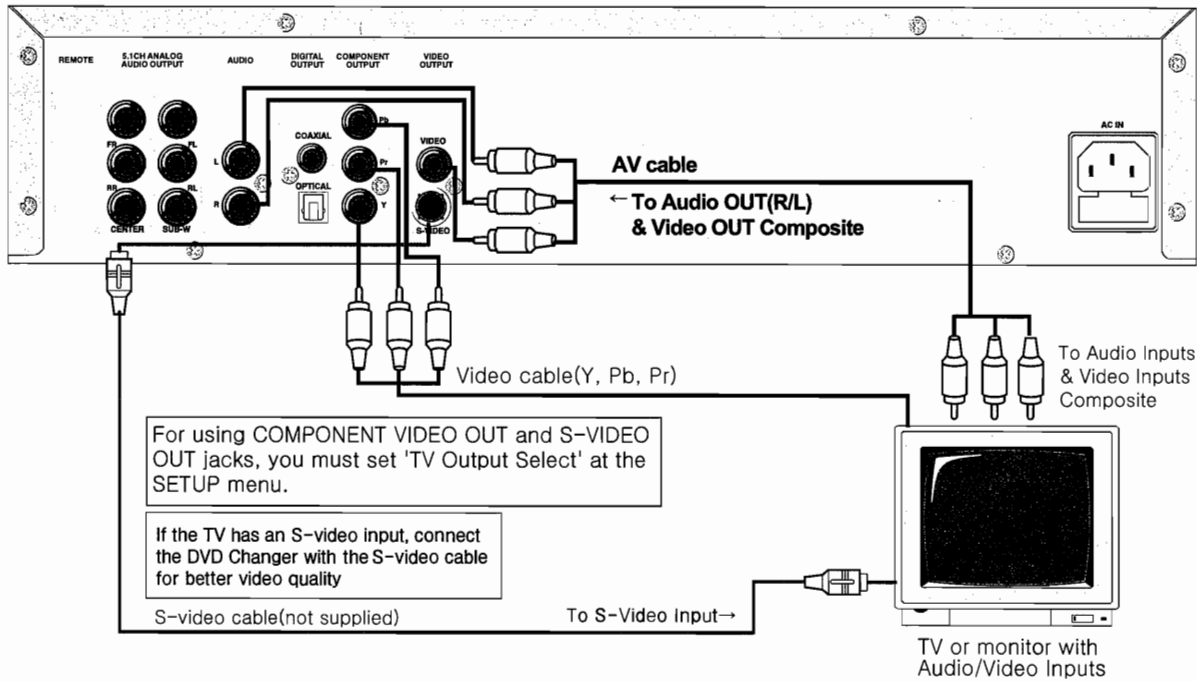
#### Notes

- Place the unit away from strong light such as direct sunlight or inverted fluorescent light which can prevent proper operation of the remote controller.
- Using another remote controller of the same type in the same room or using the unit near equipment which uses infrared rays may cause operational interference.
- Do not put any object such as a book on the remote controller. The buttons of the remote controller may be pressed by mistake and drain the batteries.
- Make sure the audio rack doors do not have colored glass. Placing the unit behind such doors may prevent proper remote controller operation.
- If there is any obstacle between the remote controller and the remote control sensor, the remote controller will not operate.

# CONNECTIONS

## Connection to a TV

You can connect the DVD changer to your TV.



The component video connections supply component signals(Y, Pb, Pr) to video equipment equipped with component video input connections. If your TV receiver has component video inputs, it is highly recommended that you use a component video cable(not supplied) to obtain the full benefit of DVD's superb picture quality. (The picture quality obtained using component video is even better than that of S-video.

### Notes

- Refer to the owner's manual of your TV as well.
- When you connect the DVD changer to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- Connect the DVD changer to your TV directly. If you connect the DVD changer to a VCR, the playback picture will be distorted because DVD video discs are copy protected.

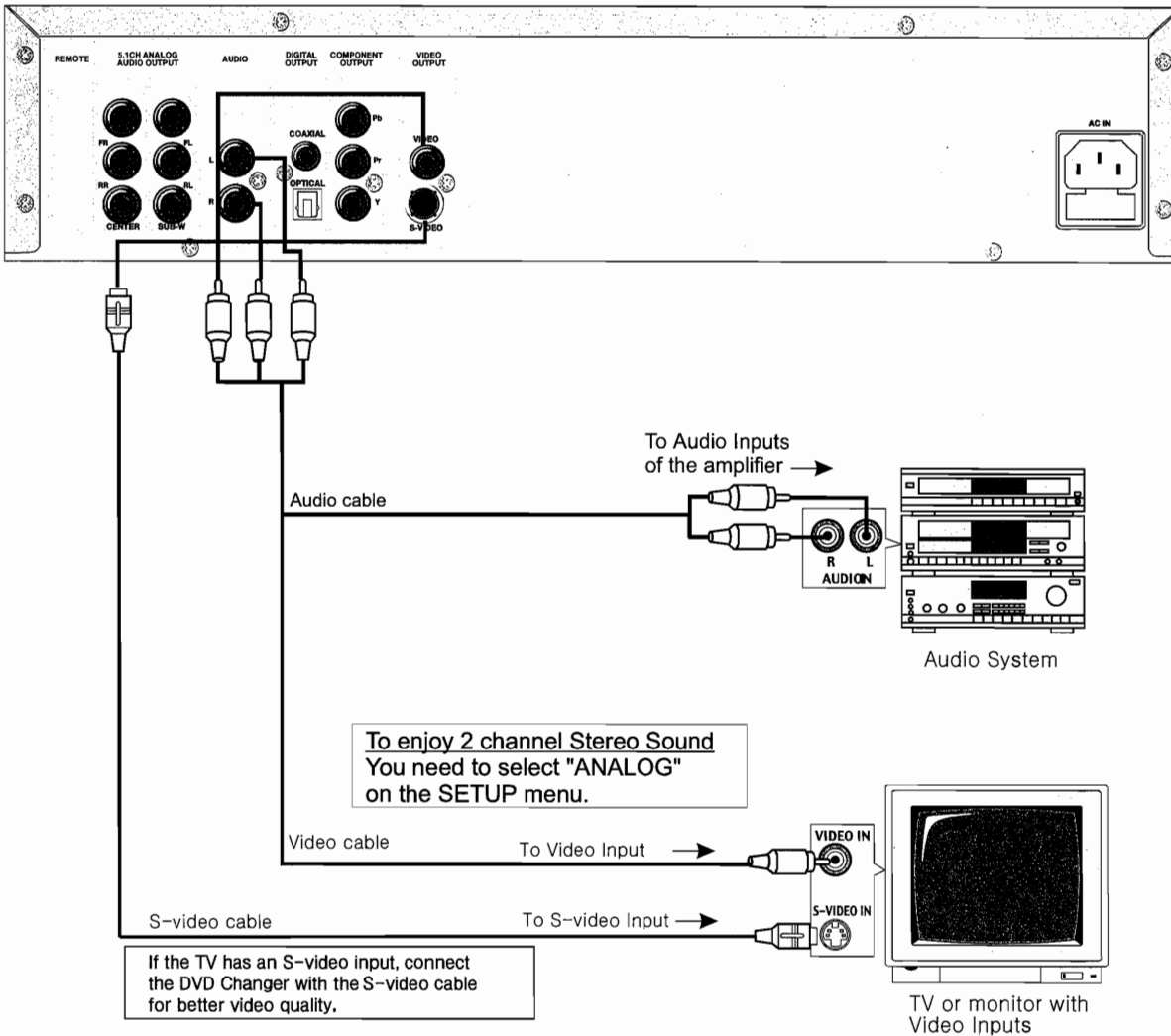
### Warning

Do not set the Digital Audio Output of this DVD changer to 'Dolby Digital' unless you are connecting the DIGITAL OUT jack of this DVD changer to an AV decoder that has the Dolby Digital decoding function. High volume sound may damage your hearing as well as the speakers.

# CONNECTIONS

## Connection to an Audio System

You can connect the DVD changer to your audio system and TV.



### Notes

- Refer to the owner's manual of your audio system as well.
- When you connect the DVD changer to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- If you place the DVD changer near a tuner or radio, the radio broadcast sound might be distorted. In this case, move the DVD changer away from the tuner and radio.
- The output sound of the DVD changer has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by sudden high volume sound.
- Turn off the receiver before you connect or disconnect the DVD changer's power cord. If you leave the receiver power on, the speakers may be damaged.

# CONNECTIONS

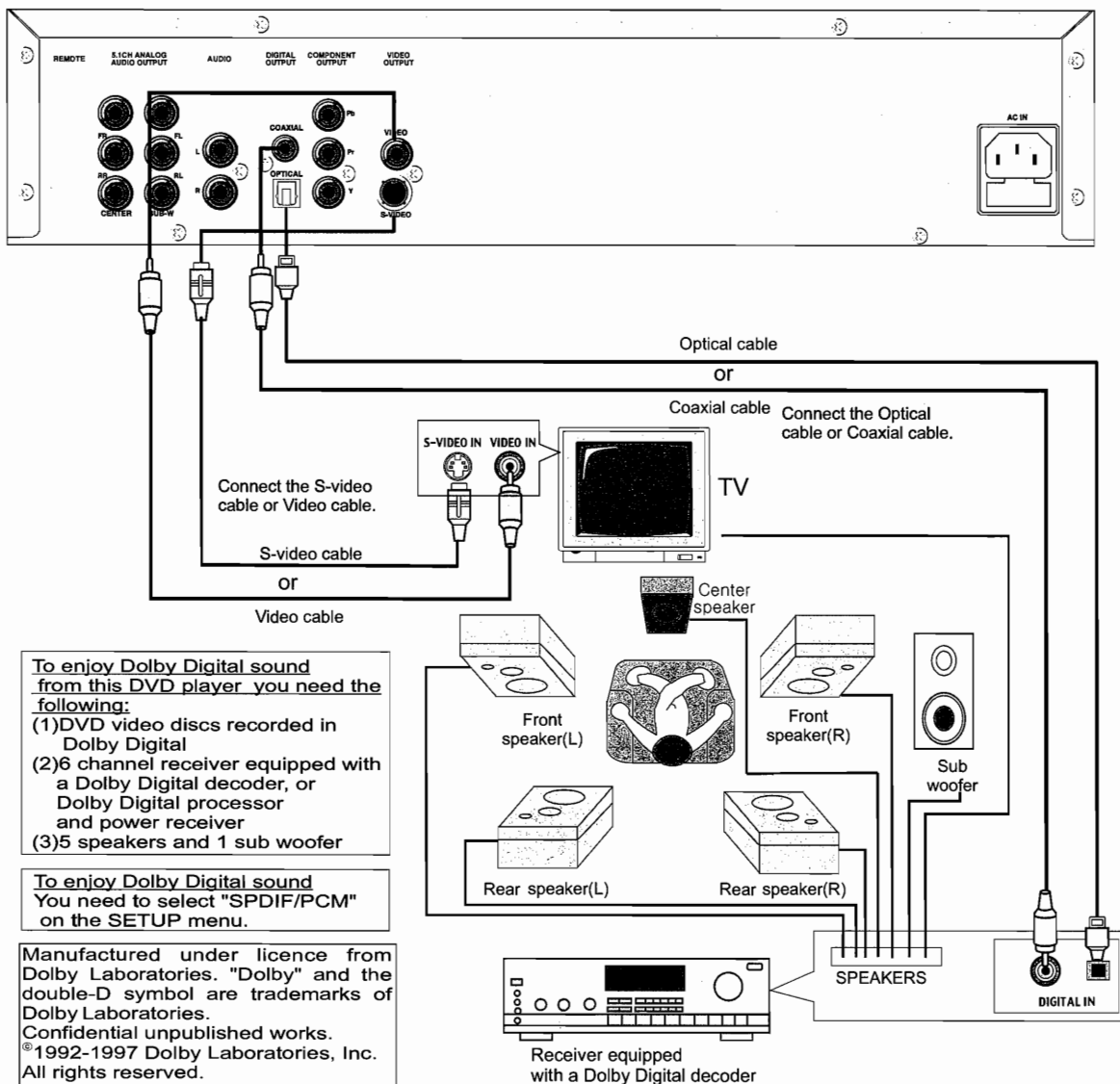
## Connection to Optional Audio System

### Enjoying Dolby Digital Sound

You can enjoy the high quality dynamic sound of Dolby Digital, Dolby Pro Logic, and 2 Channel Digital Stereo.

### Dolby Digital

Dolby Digital is the surround sound technology used in theaters showing the latest movies, and is now available to reproduce this realistic effect in the home. You can enjoy motion picture and live concert DVD video discs with this dynamic realistic sound by connecting the DVD changer to a 6 channel receiver equipped with a Dolby Digital decoder or Dolby Digital processor.




# CONNECTIONS

## Connection to Optional Audio System

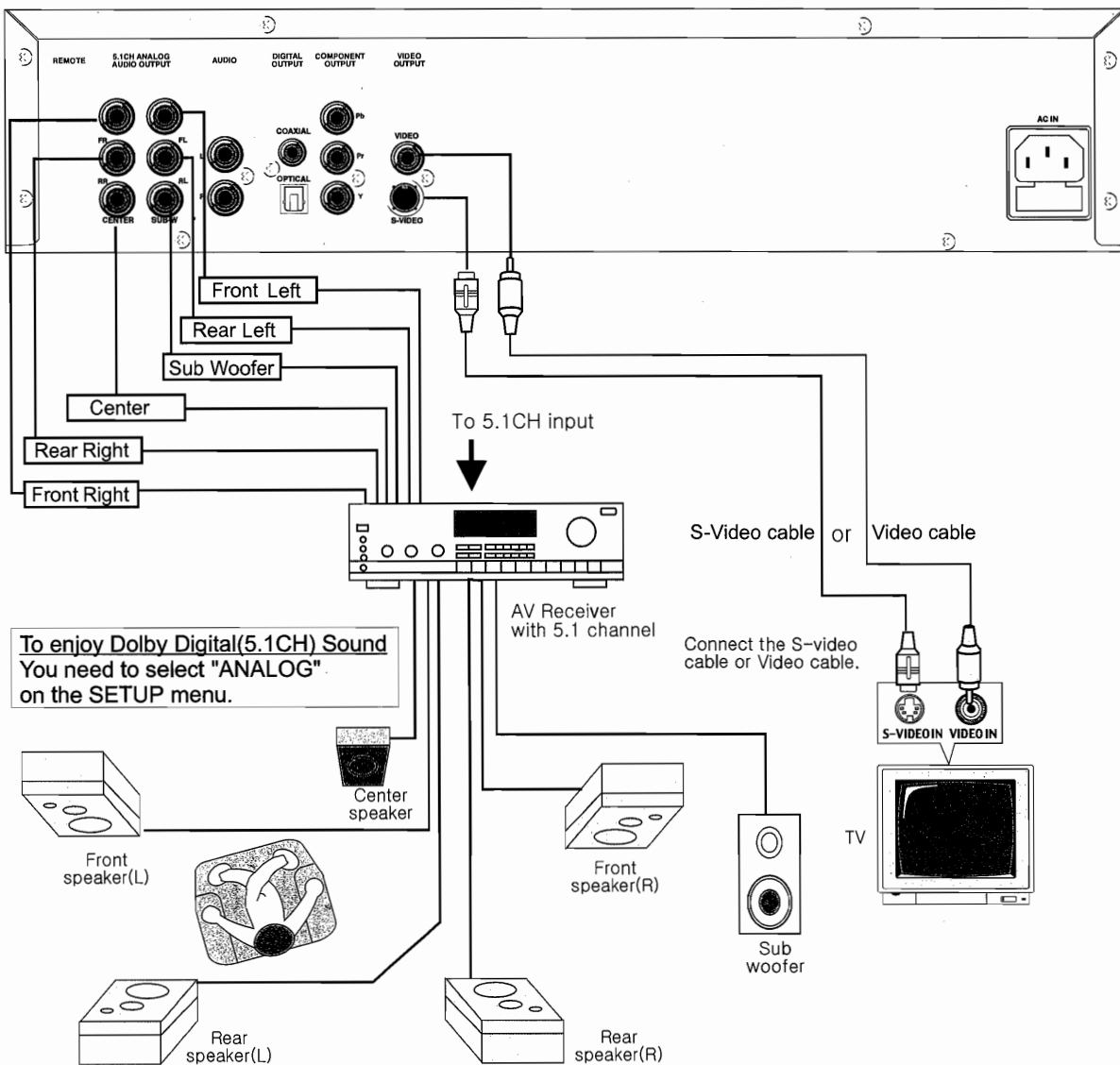
### Enjoying Dolby Digital(5.1CH) Sound

#### Dolby Digital Surround(5.1CH)

Dolby Digital is a six-channel digital surround sound technology developed by Dolby Laboratories for theater-like surround sound reproduction. DVDs supporting Dolby Digital technology feature the (  ) logo. You can enjoy realistic, theater-like surround sound from DVD movie or music disc featuring this logo. Two front, one center and two rear speakers plus a sub woofer make up the '5.1 channel' audio system that Dolby Digital uses.

#### Hookups

Connect a receiver with 5.1 channel inputs to the player and to the speakers. See the figure below.



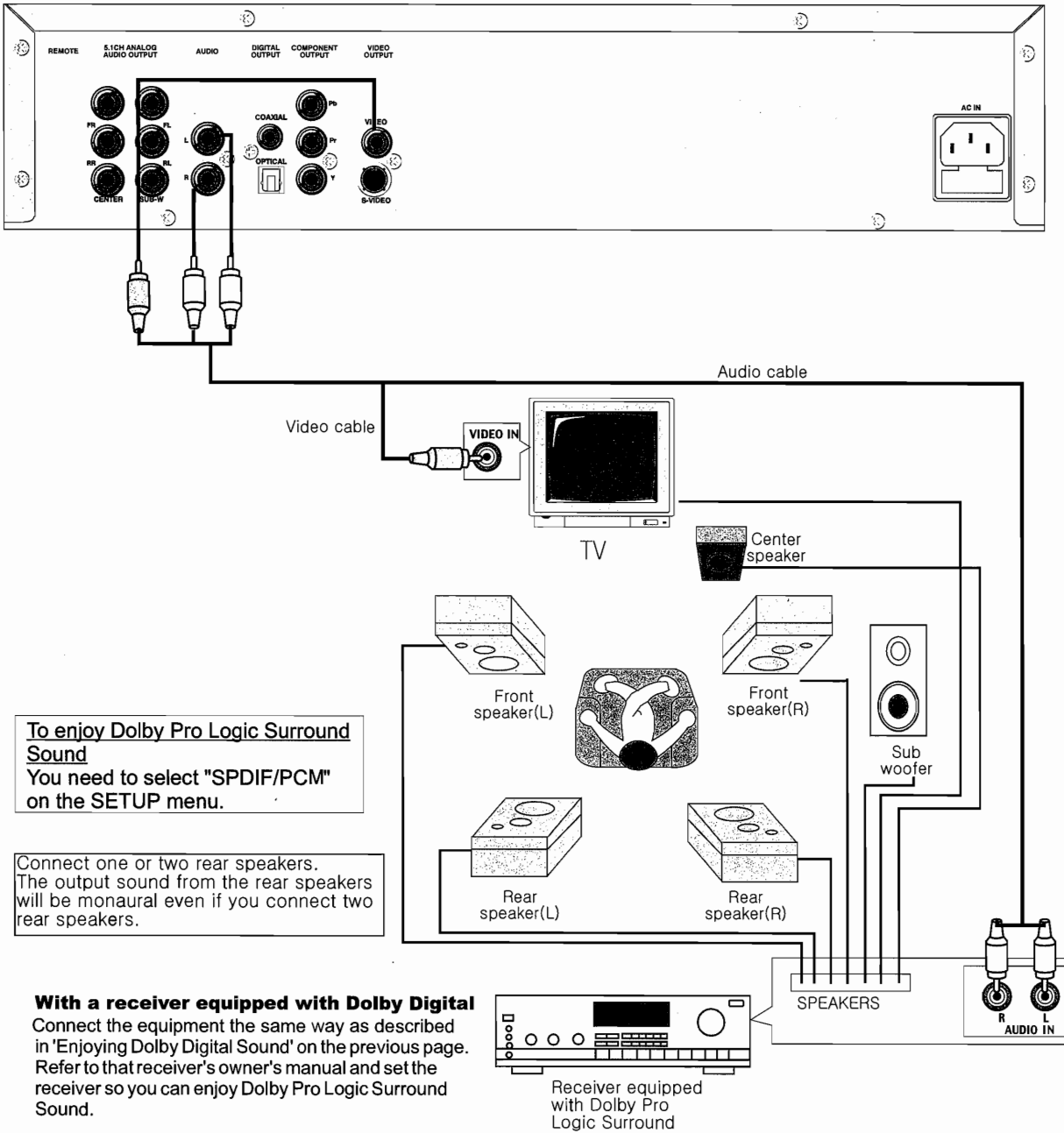
# CONNECTIONS

## Connection to Optional Equipment

### Enjoying Dolby Pro Logic Surround Sound

#### Dolby Pro Logic Surround

You can still enjoy the excitement of Surround Sound even if your A/V receiver does not offer Dolby Digital decoding. If your A/V receiver has a Dolby Pro Logic decoder. Refer to the following connection diagram.



# CONNECTIONS

## Connection to Optional Audio System

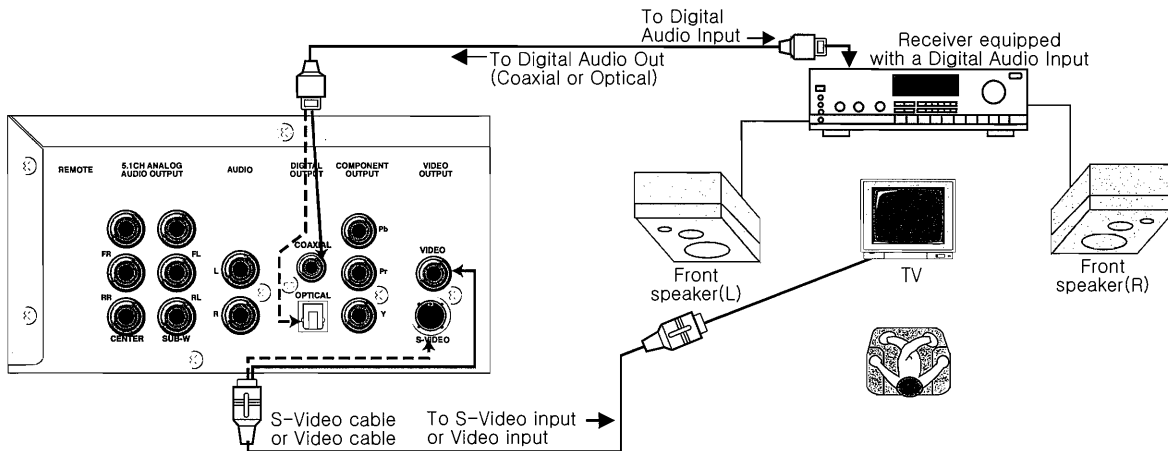
### Enjoying 2 Channel Digital Stereo Sound

#### 2 Channel Digital Stereo

You can enjoy the dynamic sound of 2 Channel Digital Stereo by connecting this DVD changer to a receiver equipped with a digital audio input and speaker system (right and left front speakers).

#### To enjoy 2 Channel Digital Stereo Sound

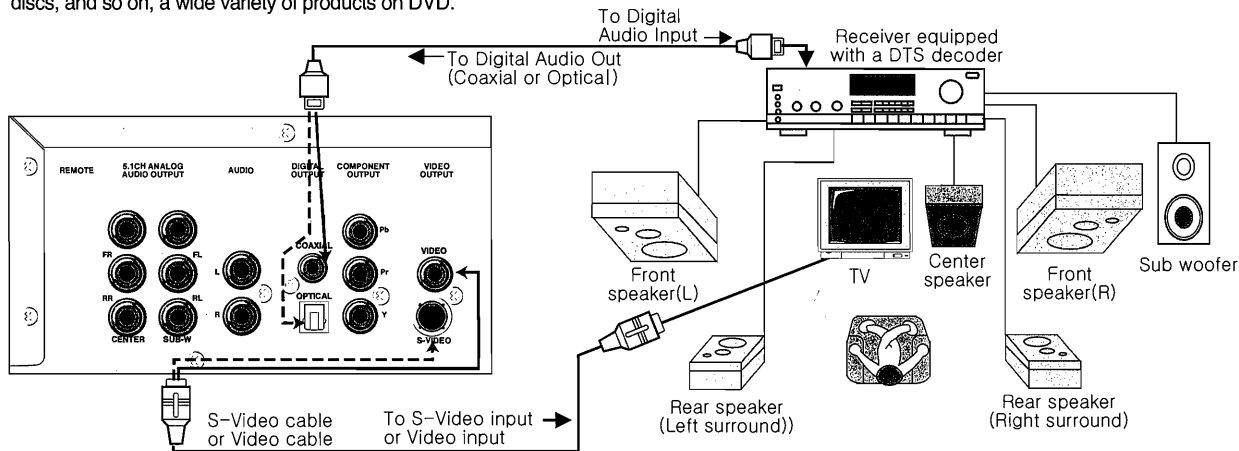
If you use the DVD disc recorded to SPDIF/PCM, and you need to select "SPDIF/PCM" on the SETUP menu.



### Enjoying DTS Sound

#### DTS Digital Surround

The finest technology ever invented to transform existing "home theater" systems into six discrete channels of exceptionally clear, better-than-compact disc, digital audio performance. And DTS Digital Surround is the only 5.1 surround sound format that can deliver this revolutionary 3-dimensional experience through new music recordings on compact discs, original 5.1 sound tracks on motion picture laser discs, and so on, a wide variety of products on DVD.



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

#### Warning

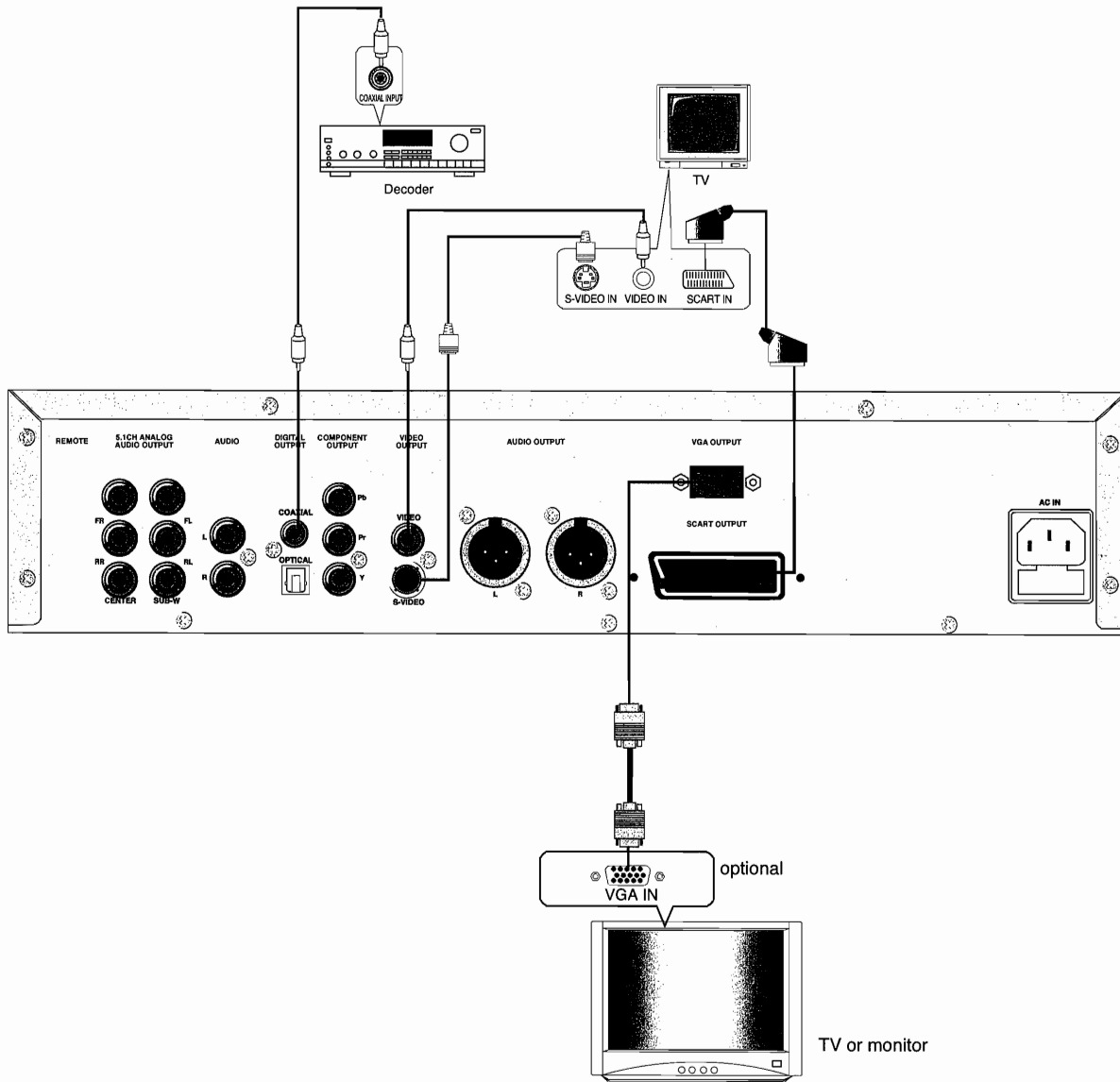
Do not set the Digital Audio Output of the DVD disc available DTS to DTS Digital Surround mode unless you are connecting the DIGITAL OUT jack of this DVD player to an AV decoder that has the DTS decoding function. High volume sound may damage your hearing as well as the speakers.

# CONNECTIONS

## Connecting to a TV/Audio Equipment

### Before connecting

- Refer also to the instruction manual of the TV, Audio and Video equipment.
- When you connect this unit to the TV, Audio and Video equipment be sure to turn off the power and unplug all the units from the wall outlets before making any connections.
- Connect this unit to the TV directly.
- Connect the plugs securely.

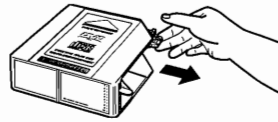


# BEFORE OPERATION

## How to use the magazine

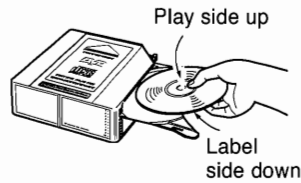
### Loading a disc

1 Pick the tab on the magazine's disc tray and pull out only one of the trays.



2 Place the disc on the tray with its play surface facing up (label surface facing down).

\* Each tray can accommodate only one disc.



3 Press the tab on the disc tray to store the tray back in the magazine.

\* Up to ten discs can be loaded.

\* This unit is not designed to play 3"(8cm) discs. Inserting a 3"(8cm) disc into the magazine, either with or without a 3"(8cm) disc adapter, can damage the unit and disc.



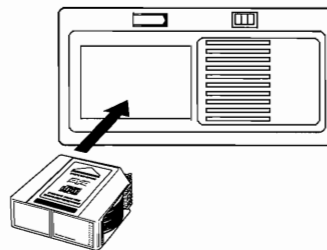
### Installing the magazine

1 Open the door by pushing the top of the door and pull out the door..



2 First check that the magazine with the discs inside has its top side facing up and that it is pointed in the right direction for installation. Push it in until it clicks into place, indicating that it is now locked.

\* When the magazine is used for the first time, it will not lock into place unless the power supply has been connected.



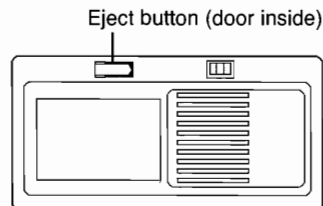
### Ejecting the magazine

1 Open the door by pushing the top of the door and pull out the door.

2 Press the eject button to remove the magazine.

#### Note:

Be absolutely sure to close the door after having inserted or ejected the magazine. Dust or dirt finding its way inside may cause malfunctioning of the unit.



# BEFORE OPERATION

## Before using the system (Power On)

When all connecting is completed, carry out the steps outlined below before using the system.

### 1. Setting up for operation

1. Load the discs into the magazine and install it into the changer. The unit will start to check the discs in the magazine.
2. Turn on the connected amplifier system.
3. Turn on the connected monitor or TV and switch its mode to video.

Note:

Refer to the operation manuals of amplifier, TV or monitor.

### 2. Power On and Play

1. Turn on the changer.
2. Insert magazine, the unit load the disc from tray 10 to tray 1. While loading from 10 to 1, the screen display as below.



\* If the unit has not finished checking the discs yet, "LOADING" will appear after the initial screen. In this case, please wait until "Disc change . . ." disappears.

3. After loading all discs, the unit readies to use.
4. If you want to see disc information, press the LIST button

Notes:

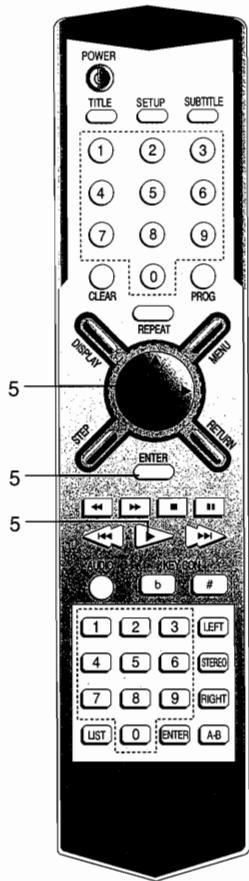
- When a magazine is inserted, the unit checks the disc in each tray to create a Disc List. Until the Disc List is complete, "Disc change . . ." is displayed.  
To start play immediately without waiting for completion of the Disc List, press the Play button (▶). The first disc will be played.
- With DVDs, either the title menu screen or the DVD menu screen may be displayed, depending on the disc. With video CDs, the PBC menu screen may be displayed, depending on the disc.
- Playback instructions differ according to disc type (DVD/Video CD/MP3 CD/Audio CD/CD-G).
- Refer to the operation manuals of amplifier, TV or monitor.

# BASIC OPERATION

## Basic Playback

### Preparations

- When you want to play back DVD video discs, turn on the TV and select the video input source connected to the DVD changer.
- When you want to enjoy the sound of DVD video discs or audio CDs from the audio system, turn on the audio system and select the input source connected to the DVD changer.
- For connection details, see pages 9 through 15.
- Set the playback picture size according to the aspect ratio of the connected TV.



#### 1. Turn on the POWER switch of the unit

- You can use the POWER button on the remote controller after the unit is switched on.

#### 2. Place 1 to 10 disc on the disc tray of the magazine with the playback side up.

- Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD changer to malfunction.
- Do not place anything except or 5" discs on the disc tray.

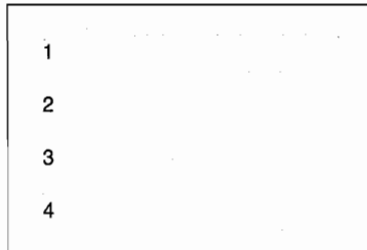
#### 3. Insert the magazine.

- Playback may begin automatically depending on some DVD discs.

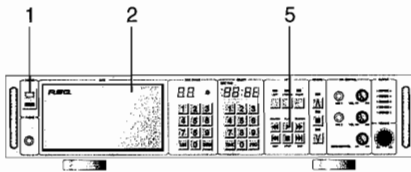
#### 4. Press PLAY button to begin playback.

When a menu screen appears on the TV screen. In case of interactive DVDs with control, a menu screen appears on the TV screen. Perform step as below.

#### 5. Press ►/▼/◄/▲ and press ENTER(or PLAY) button, or press the track number button(s) to select the desired item and press ENTER(or PLAY) button.



Example of interactive DVD On-screen Menu



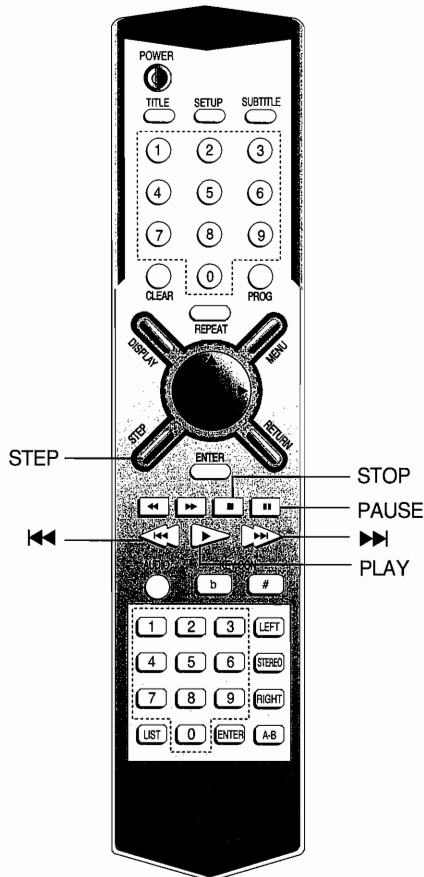
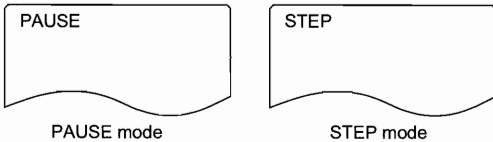
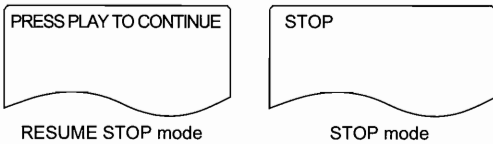
- For further information refer to the jacket or case of the disc you are playing.

### Notes

- When “( )” appears on the TV screen while a button is pressed, it means that this function is not available on the disc you are playing.
- Depending on the DVD disc, some operations may be different or restricted. Refer to the jacket or case of the disc you are playing.

# BASIC OPERATION

## Basic Playback



### Stopping Playback

#### To Stop Play(DVD, Video CD, CD, CD-G, ROM)

Press the stop button (■) during playback.

Play stops (and the Resume Playback function becomes active).

#### Resume Playback Function

- When the stop button (■) is pressed during play, the unit stores the position where play stopped. This is called the Resume Playback function. When the play button (▶) is pressed, play resumes from the point where it stopped.
- The Resume Playback function is released in the following instances.

The stop button (■) is pressed again.  
A magazine is ejected and then reinserted.

#### To resume play, press the play button (▶).

If the Resume Playback function is operative, play resumes from the point where it stopped.(DVD)

If the Resume Playback function is not operative, the disc plays from the beginning.

### Step Playback(DVD, Video CD)

Press STEP button to see the picture frame by frame during playback.

To return to normal playback, press PLAY button.

### Advancing / Returning to a Chapter or Track (DVD, Video CD, CD, CD-G, ROM)

During play, press a skip button (◀◀ or ▶▶).

To advance to the next chapter or track, press (▶▶).

To return to the previous chapter or track, press (◀◀) twice.

#### Notes:

- A chapter is a minor division of audio or images recorded on a DVD.
- A track is a division of audio or images (video CDs only) recorded on a video CD or audio CD(CD-G).
- Some discs may include recorded chapters or tracks that prohibit these functions.

### Pausing (Freezing) (DVD, Video CD, CD, CD-G, ROM)

Press the pause button (⏸) during playback.

With a MP3 CD and audio CD, the audio stops.

With a DVD or video CD, the video freezes (and the audio stops too).

Press the pause button (⏸) again to resume play from the point where it stopped.(MP3 CD and audio CD)

# BASIC OPERATION

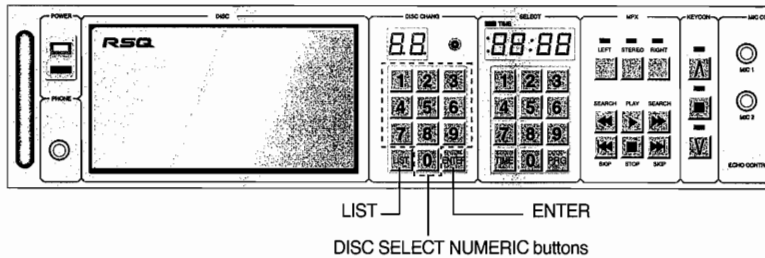
## Selecting a Disc

### 1. To select a disc directly by a DISC SELECT NUMBER button.

- Press the desired DISC SELECT NUMERIC button (1 ~ 0).

### 2. To select a disc by LIST button.

- ① Press the LIST button, to see the disc list on the display screen.
- ② Select a disc by pressing the DISC SELECT NUMERIC buttons.
- ③ To confirm it, press the ENTER button.



- Notes:
- Empty disc trays are not selected.
  - Discs can also be selected by displaying a list of discs contained in a magazine.
  - Playback procedures differ according to the type of disc selected, as follows.

### DVD:

When a disc is selected, operation is according to the disc side selected. Operation after the disc is played also differs according to the disc. For example, some discs are played again from the beginning. With others, the title menu screen or DVD menu screen is displayed, and with others, play ends.

- \* If the title menu screen or DVD menu screen is displayed, select an item and proceed to play.

### Video CD / Audio CD:

- \* With some PBC (playback control) -compatible video CDs, the menu screen is displayed when the disc is selected. In this instance, select an item and proceed to play. When the selected item is played, the menu screen is displayed again.

## Fast Playback

### ■ DVD and Video CD

During play, press a fast playback button (◀◀ or ▶▶).

To fast forward: Press (▶▶).

To fast reverse: Press (◀◀).

Each activation of a fast playback button (▶▶ or ◀◀) switches between 2x, 4x, 6x and 8x.

### To resume normal play

Press the play button (▶).

Notes: • Audio is not output during fast forward or fast reverse play.

- Some discs have locations where fast forward or fast reverse is not possible. At such locations, normal play resumes automatically.

### ■ MP3 CD and Audio CD / CD-G

During play, press a fast playback button (◀◀ or ▶▶).

To fast forward: Press (▶▶).

To fast reverse: Press (◀◀).

Each activation of a fast playback buttons (◀◀ or ▶▶) switches between 1x, 2x, 3x and 4x fast forward and fast reverse speeds.

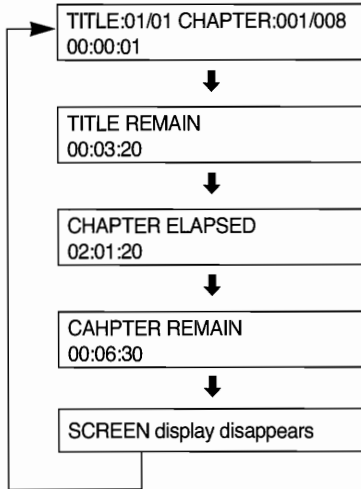
### To resume normal play

Press the play button (▶).

Note: When fast play reaches the end of a disc, the next disc in the magazine is selected. When fast reverse reaches the beginning of a disc, the first track begins to play.

# ADVANCED OPERATION

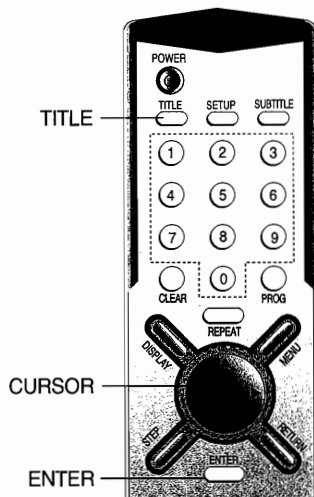
## Display function



Press **DISPLAY** button to see information on the disc during playback.

1. Press the **DISPLAY** button once.
  - Elapsed time, title number and chapter number information will be displayed.
2. Press the **DISPLAY** button twice.
  - Title remaining time information will be displayed.
3. Press the **DISPLAY** button three times.
  - Chapter remaining time information will be displayed.
4. Press the **DISPLAY** button four times.
  - No information will be displayed.

## Using the Title Menu



Some DVDs divided into multiple titles include a recorded title menu. In these instances, the title menu can be used to select and play a desired title.

\* A title is a major division of images or audio recorded on a DVD.

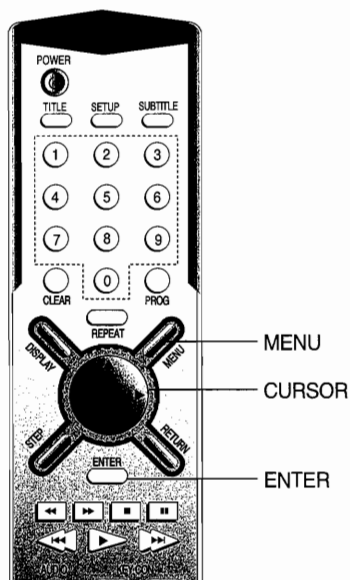
1. During play, press the **TITLE** button.  
The title menu is displayed.
2. Use the cursor buttons (▶/▼/◀/▲) to select a title you wish to play and press the **ENTER** button.  
The selected title begins to play.

### Notes:

- Some discs do not include a recorded title menu, and some have menus equivalent to DVD menus.
- Because title menus are recorded on the disc, their content differs according to the disc.
- Read the instruction manual for the disc used.

# ADVANCED OPERATION

## Using DVD Menus



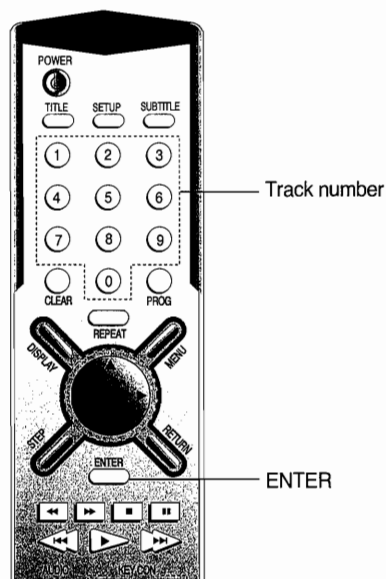
Some DVDs include a recorded DVD menu.

1. During play, press the **MENU** button.  
The DVD menu is displayed.
2. Select an item with the cursor buttons (▶/▼/◀/▲) and press the **ENTER** button.
3. In any additional selection screens, repeat step 2.

### Notes:

- Some discs do not include a recorded DVD menu, and some have menus equivalent to title menus.
- Because DVD menus are recorded on the disc, their content differs according to the disc. Menus may allow selection of the audio language, subtitle language, or chapters, or the playing of a video description.
- Read the instruction manual for the disc used.

## Using the PBC (Playback Control) Function



During play, PBC (playback control) -compatible video CDs display a PBC menu recorded on the disc. This manual refers to use of a PBC menu in dialog-based steps to playback as PBC playback.

### Using PBC Playback

1. While the PBC menu screen is displayed, use the track number buttons (1~0) to input the number of the item you wish to view (or perform).

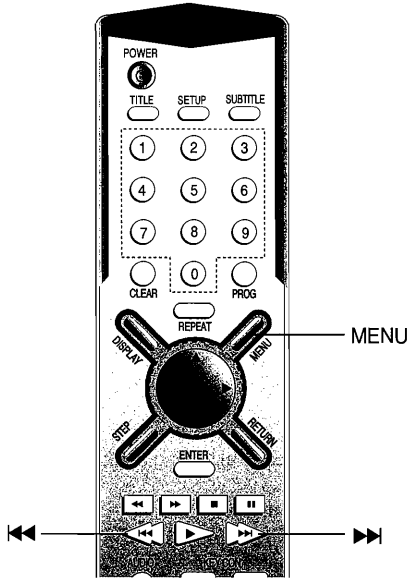
**Example:** To input item number "10"

- ① **Press (1).**  
"SELECT 01" is displayed on the screen.
- ② **Press (0).**  
The display on the screen changes to "SELECT 10"

2. Press the **ENTER** button.
3. For any additional selection screens, repeat steps 1 and 2.

# ADVANCED OPERATION

## Using the PBC (Playback Control) Function



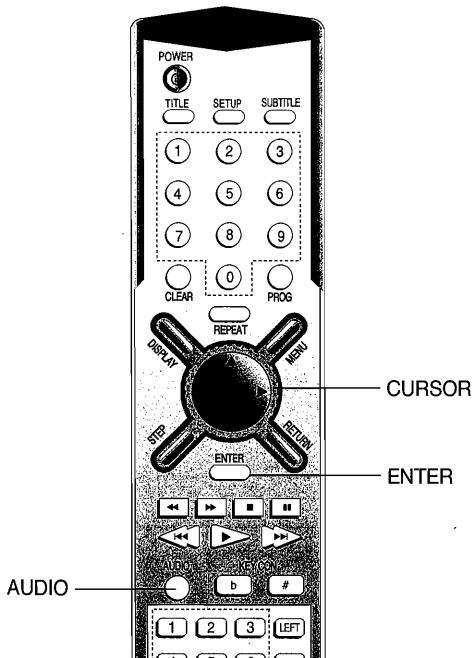
### Notes:

- Perform the next operation before the display on the screen (example: "01") disappears.
- PBC-compatible video CDs enter PBC playback automatically when played.
- Because PBC menus are recorded on the disc, their content differs according to the disc. Read the instruction manual included with the disc used.

### To display the PBC menu during PBC playback

Press the SKIP button (◀◀ , ▶▶) or the RETURN button.

## Switching the Audio Language



Some DVD discs include multiple audio languages. In these instances, you can select a preferred audio language as follows.

### 1. During play, press the AUDIO button.

The audio language currently selected is displayed at the top of the screen.

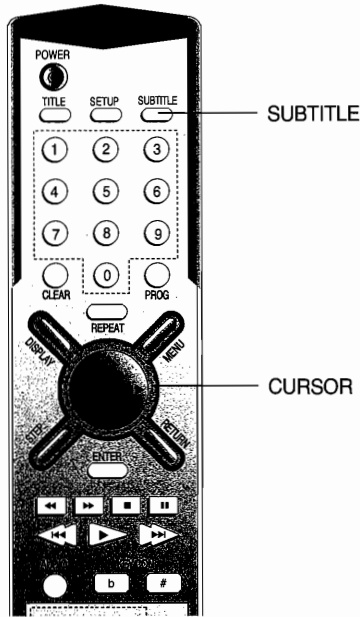
Audio language display (Example)  
AUDIO 02/02 ENGLISH

### Notes:

- This operation is only possible with a disc storing multiple audio languages.
- The audio language can also be changed from a DVD menu or the setup screen. With some discs, the foregoing procedures cannot be used to switch the audio language. In these instances, switch the audio language from the DVD menu or setup screen.
- You can switch the audio language from the setup screen when the language is included in both the disc and the setup.

# ADVANCED OPERATION

## Switching the Subtitle Language



Some DVD discs include recorded subtitles. In these instances, you can select display or non-display of subtitles. Some discs also include multiple recorded subtitle languages. In these instances, you can select a preferred language.

**1. During play, press the SUBTITLE button.**

The subtitle language currently selected is displayed at the top of the screen.

Subtitle language display (Example)  
SUBTITLE 01/03 ENGLISH

**2. Use the SUBTITLE button to select a preferred subtitle language or "OFF" (when removing subtitles).**

When you press the subtitle button, the subtitle language switches within the list of subtitle languages recorded on the disc.

**Notes:**

- Subtitle language can only be switched when using a disc storing multiple subtitle languages.
- Some discs do not allow non-display of subtitles.
- The subtitle language can also be changed from a DVD menu or the setup screen. With some discs, the foregoing procedures cannot be used to switch the subtitle language. In these instances, switch the subtitle language from the DVD menu or setup screen.

\* You can switch the subtitle language from the setup screen when the language is included in both the disc and the setup.

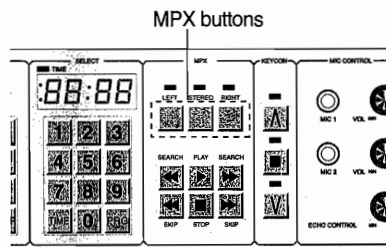
## L/R/Stereo(MPX) function

Using L/R/STEREO function, the Left-mono, Right-mono or Stereo can be selected and played. And use it when playing a disc with Sound Multiplex logo.

Press the STEREO, LEFT or RIGHT button.

According to the selection of L/R/Stereo function, the sound will be output from the front Left and front Right channel as the following table:

Output Button select	L-channel	R-channel	On screen
<b>STEREO</b>	L-CH signal on the disc	R-CH signal on the disc	STEREO
<b>LEFT</b>	R-CH signal on the disc	R-CH signal on the disc	MONO LEFT
<b>RIGHT</b>	L-CH signal on the disc	R-CH signal on the disc	MONO RIGHT



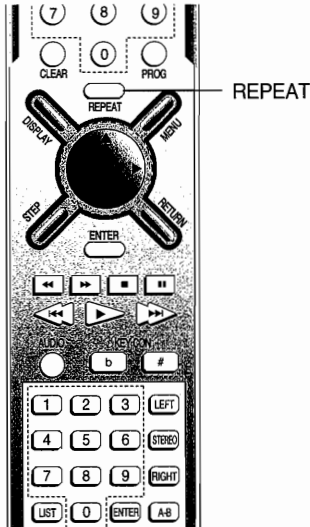
## RETURN FUNCTION in VCD Version 2.0

Press the RETURN button to return to the preceding menu.

If there is no preceding menu(in case of the first menu), this function may not be executed.

# ADVANCED OPERATION

## Using Repeat Play



### ■ DVD

This function allows title repeat (repeating a playing title) and chapter repeat (repeating a playing chapter).

\* Some discs do not allow repeat play.

### ■ Video CD, Audio CD / CD-G

This function allows disc repeat (repeating an entire disc) and track repeat (repeating a playing track).

## DVD and Video CD

### 1. During play, press the REPEAT button.

The repeat mode is displayed at the top of the screen, as shown below.

• DVD repeat mode display

→ CHAPTER REPEAT ON → TITLE REPEAT ON → REPEAT OFF

• Video CD repeat mode display

→ TRACK REPEAT ON → DISC REPEAT ON → REPEAT OFF

• MP3 CD repeat mode display

→ FOLDER → REP- ONE → FOLDER REPEAT

### 2. Use the REPEAT button to select the repeat type (title, chapter, disc, or track).

When the repeat button is pressed, the repeat type changes.

#### Note:

With some discs and scenes, the (🚫) ("prohibited" logo) is displayed, and repeat play cannot be used.

\* In some instances, repeat play cannot be used even though the (🚫) ("prohibited" logo) is not displayed.

# ADVANCED OPERATION

## Using Repeat Play

### To return to normal play

Select "REPEAT OFF" in step 2.

### Audio CD

During play, press the REPEAT button to display the indicator for your preferred repeat mode. When the repeat button is pressed, the repeat mode switches as follows.



### ROM DISC(ex, MP3)



### To rotate the JPEG image

When you display JPEG image, you can rotate the image using the cursor buttons.

- 1) ▶ Cursor button : Whenever you press the button, it rotates 90° clockwise.
- 2) ◀ Cursor button : Whenever you press the button, it rotates 90° counterclockwise.
- 3) ▲ Cursor button : 180° rotation.

## Using A-B Repeat Play Mode

This function allows repeating of a designated portion.

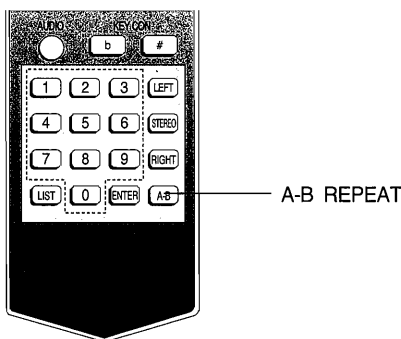
1. When you reach the scene or song portion where you wish to begin repeat play, press the A-B repeat button (start point setting).  
"A TO B SET A" is displayed at the top of the screen.
2. When you reach the scene or song portion where you wish to end repeat play, press the A-B repeat button (end point setting).  
The display changes to "A TO B SET B".

### Note:

A-B repeat play can be designated in a range within the same title (DVD) or the same track (video CD or audio CD).

### To return to normal play

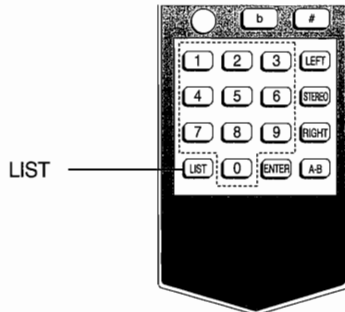
Press the A-B repeat button.  
"A TO B CANCELLED" is displayed at the top of the screen for approximately 3 second.



# ADVANCED OPERATION

## Displaying a Disc List

You can display a list of discs contained in a magazine, check disc types (DVD, video CD, audio CD, ROM-MP3/JPEG/MPEG), or select and play a desired disc.



**Press the LIST button.**

The disc list screen appears.

When the list button is pressed again, the disc list screen disappears.

**Disc list screen (Example)**



**Disc List**  
Magazine tray numbers and the types of disc in each tray are indicated.

Only discs appearing with the "SELECTED" mark be played.  
SELECTED: ALL, CD, DVD, VCD, ROM

In this example

- Tray 1 contains audio CD or CD-G.
- Tray 2 contains DVD.
- Tray 3 read failed.
- Tray 5 contains CD-ROM(MP3/JPEG/MPEG).

### About Disc Lists

When you insert a magazine, the unit checks the discs in each tray and creates a disc list. If you press the PLAY button (▶) during list creation, the procedure is interrupted and first disc begins to play. A tray containing disc not checked when disc list creation was interrupted is labeled with only a tray number until the tray is selected.

**Notes:**

- Trays containing discs that the unit cannot play are indicated by "ERR".
- Trays not containing discs are indicated by "ERR".
- Trays not yet checked for discs are indicated only by "?"

**To Clear screen display of a Disc List**

Press the LIST button.

**To select and play a desired disc**

- Use the cursor buttons (◀/▶) to select the tray containing the desired disc from the disc list. The background of the selected tray changes to yellow.



yellow.

SELECTED disc type indication

- Press the ENTER button.  
The selected disc is played.

**To set the type of disc to be played**

- Use the cursor buttons (▲/▼) to select the type of disc for which the setting is to be changed (CD-ROM(MP3/JPEG/MPEG), audio CD(CD-G), Video CD, DVD, ALL).  
The background color indicating the selected disc type changes to yellow.

**Notes:**

- These settings are cancelled when the power is OFF.  
When the power is ON, selected media mark appear with "ALL".
- If the SELECTED indication displays 'DVD', the unit selects the DVD discs only. By using the CURSOR buttons(◀/▶) on the remote controller. By using the CURSOR buttons(▲/▼), you cannot select the unselected type of discs on the list view.

# ADVANCED OPERATION

## Displaying Running Time

Each time the **DISPLAY** button is pressed, the running time is displayed. Refer to your TV screen.

**Note:**

Each time the **DISPLAY** button is pressed again, the running time display disappears.

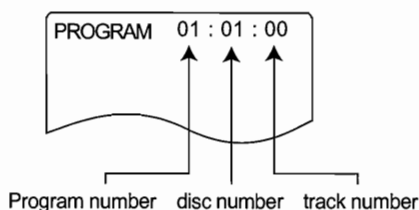
## Creating your own program

### Program play

You can make a program of up to 98 tracks from all the discs in the order you want them to be played. This function works only for the same type disc format. And only these type discs must be located in the magazine for programming. For example, insert only the audio CD(CD-G)discs in the magazine for programming.

1. Press the **PROGRAM** button when the playback is stopped.

'PROGRAM 00 : 01 : 00' appears on the screen



2. Select a disc number by pressing the **DISC CHANGE** number buttons.
3. Select a track number by pressing the **TRACK** number buttons.
4. Press the **ENTER** button to confirm it.
5. To program other tracks, repeat steps 2 to 4.

**Note**

If you press the **PROGRAM** button when the **PROGRAM** input mode is displayed on the screen(when **PROGRAM** indicator is displaying), the **PROGRAM** input will be cancelled.

6. To start program play, press the **PLAY** button(▶).

To cancel the program play during program play

Press the **PROGRAM** button two times.

**Note that the program input is erased by your mistake button input.**

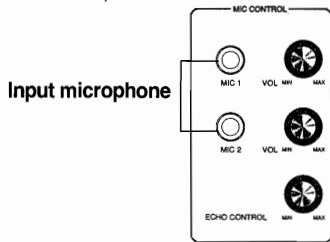
# ADVANCED OPERATION

## Using a microphone

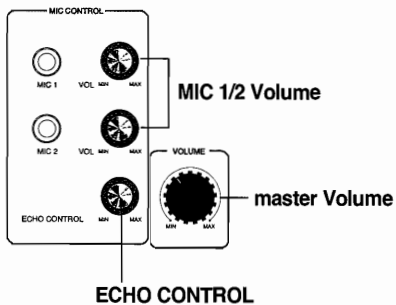
### Using a microphone

#### Operation

1. Insert the connector cable to the end of the microphone.
2. Up to two (2) microphones can be connected to the MIC jacks on the front panel.



3. Switch the microphone's power on.
4. Turn the MIC 1, MIC 2 knobs, ECHO CONTROL and master VOLUME clockwise (level up) or counterclockwise (level down) as desired.



#### ATTENTION

When you are not using the microphone, it is recommended to set the MIC switch to OFF; otherwise the batteries will discharge even when not in use.

### Adjusting key control

Press the KEY CONTROL buttons ( b or #) to change the key in which the music plays. To return the music to its original key, press the NORMAL button directly on the unit.

You can adjust the music on the remote control unit also.



#### Notes

- The degree display of the key is displayed on the television screen.
- When the song ends the key control will return to NORMAL mode automatically.

### Adjusting echo effect

Turn the ECHO CONTROL knob clockwise (level up) or counterclockwise (level down) to adjust the echo effect as desired.

#### ATTENTION

##### Be sure to remove the microphone

Note when connecting the sound output to the input of a TV or VCR: If an excessively strong signal is given to a unit through a microphone, for example when using Karaoke, it may cause an adverse effect such as distorted sound. Lower the sound volume using the microphone control.

##### Karaoke etiquette

Be aware of your neighbors when enjoying karaoke music. Particularly late at night, the sound you enjoy may reach your neighbors more than you expect. Common sense and courtesy are always appreciated.

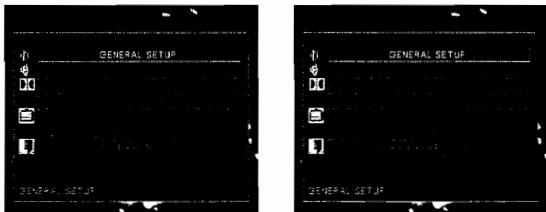
# DVD initial setup

Language, video and audio setups can be made in various manners using the initial setup function.

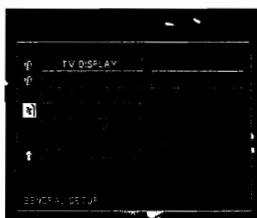
## GENERAL setup

Related to the state and screen of TV connected, you can set up as follows.

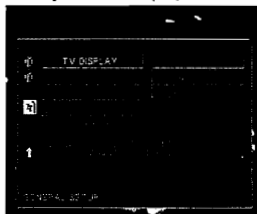
1 Press the **SETUP** button. 2 Press the **ENTER** button.



3 Make a selection by pressing the (▲/▼) CURSOR buttons and press the (▶)CURSOR button.

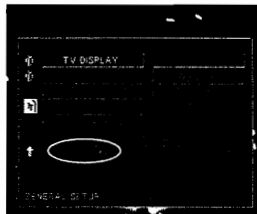


4 Make a selection by pressing the (▲/▼)CURSOR buttons and press the (▶)CURSOR button.



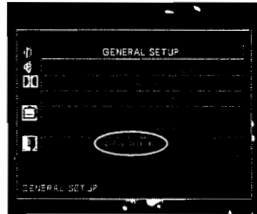
### To Return to the previous screen

Select MAIN PAGE by pressing the ▼ (CURSOR) buttons and press the ENTER button.

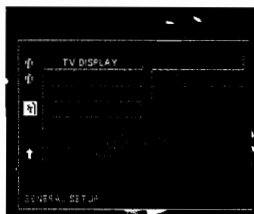


### To exit the initial setup

Select EXIT SETUP by pressing the ▼ (CURSOR) buttons and press the ENTER button. Or press the SETUP button.



## TV DISPLAY



### Normal LB(Letterbox)

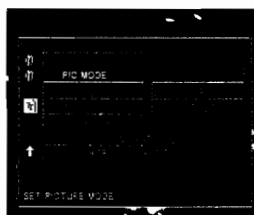
The video material not formatted in the Pan & Scan style is played back in the letterbox style(black bands appear at top and bottom of screen).

### Normal PS(Panscan)

Select when a conventional TV set is connected. The video material formatted in the Pan & Scan style is played back in that style (the left and right edges are cut off)

### Wide

Select when a wide-screen TV set is connected. Played in FULL size.(Set the wide-screen TV to FULL size)



### PIC MODEL(PICTURE MODE)

- AUTO: Select picture mode automatically
- Hi-RES: high resolution mode
- N-FLCKER: no blinking mode



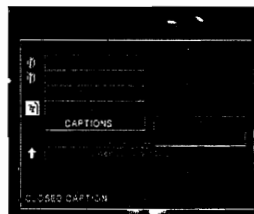
### ANGLE MARK

When selected ON, the camera icon that different views of shot scene is available will be displayed if include in the disc.



### OSD LANG

Select languages for menu and subtitle among languages shown on the screen.



### CAPTIONS

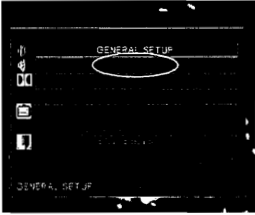
- If ON is selected, the subtitle languages, such as Korean, English, etc., will be shown on the screen.
- Only for disc containing subtitle.

# DVD initial setup

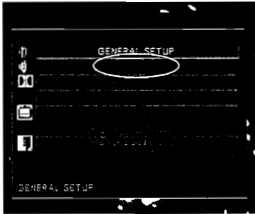
## SPEAKER setup

You can set up audio output mode or test speaker sound.

### 1 Press the SETUP button.



### 2 Select SPEAKER SETUP by pressing the ▲/▼ CURSOR buttons and press the ENTER button.



### 3 Make a selection by pressing the ▲/▼ CURSOR buttons and press the ► CURSOR button.

### 4 Make a selection by pressing the ▲/▼ CURSOR buttons and press the ◀ CURSOR button.

• Pressing the ◀ (CURSOR) button makes it move back to the menu.

### About delay time setup

• In reproducing 5.1 CH surround sound, the best sound can be heard when the distance between the audience location and each speaker is the same. You may set up the center and rear speaker delay time according to the room acoustics.

#### • Center speaker setup

If  $D_c$  distance is the same or longer than that of  $D_f$ , tune the mode to 0ms. In other cases, set up the value according to the table shown in the right.

#### • Rear speaker setup

If  $D_f$  distance is the same as that of  $D_c$ , tune the mode to 0ms. In other cases, set up the value according to the table shown in the right.

(A)= $D_f - D_c$

(A)distance (cm)	Value(ms)
50	1.3
100	2.6
400	3.9
200	5.3

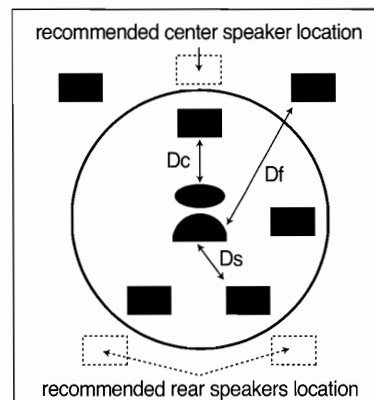
(B)= $D_f - D_s$

(A)distance (cm)	Value(ms)
2 0	0
5.3	
4 0	0

$D_c$  : Distance between audience and center speaker.

$D_f$  : Distance between audience and front speakers.

$D_s$  : Distance between audience and rear speakers.



Place all the speakers inside the circle as shown in the figure.

# DVD initial setup



## DOWNMIX

This function is for adequate audio output when the audio channel structure recorded on a disc and the audio channel structure of output are different.

- LT/RT : Select if connected to an amplifier with a built-in Dolby Prologic decoder.  
In case of connecting to 4 channels, connect to front speakers(L&R), center speaker and rear speaker(L).
- STEREO : Select if connected to a stereo amplifier.  
In case of connecting to 2 channels, connect to front speakers(L&R).
- OFF : select if connected to a 5.1 channels analog amplifier.  
In case of connecting to 5.1 channels, connect to front speakers(L&R), center speaker, rear speakers(L&R)and subwoofer.

## CENTER

Select ON if you are using a center speaker and select OFF if not.

## REAR

• Select ON if you are using a pair of rear speakers and select OFF if not.

## SUBWOOFER

Select ON if you are using a subwoofer and select OFF if not.

## CNTR DELAY

You can select DELAY TIME from 0-5MS.

## REAR DELAY

You can select DELAY TIME from 0-15MS.

## TEST TONE

- IF you select ON, Speaker Output Test will be performed in the order of left speaker→center speaker→right speaker→right surround speaker→left surround speaker.
- IF you off, the speaker output test will be stopped.

## Note

- 5.1 channel speaker output test can be operated only if set as **SPEAKER SETUP→DOWNMIX→OFF**.
- Speaker output test will be operated from left front speaker to right front speaker only after the purchase (Set as **SPEAKER SETUP→DOWNMIX→OFF**).

## AUDIO setup

You can set up audio output as follows.



1 Press the **SETUP** button.



3 Make a selection by pressing the **▲/▼ (CURSOR)** buttons and press the **▶ (CURSOR)** button.



2 Select **AUDIO SETUP** by pressing the **▼ (CURSOR)** buttons and press the **ENTER** button.



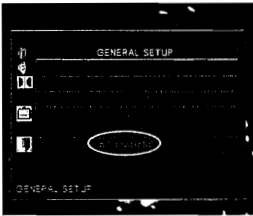
4 Make a selection by pressing the **▲/▼ (CURSOR)** buttons and press the **◀ CURSOR** button.  
• Pressing the **◀ (CURSOR)** button makes it move back to the menu.

# DVD initial setup



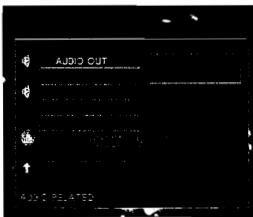
## To Return to the previous screen

Select MAIN PAGE by pressing the (Direction)buttons and press the ENTER button.



## To exit the initial setup

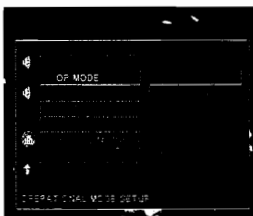
Select EXIT SETUP by pressing the ▼(CURSOR)buttons and press the ENTER button. Or press the SETUP button.



## AUDIO OUT

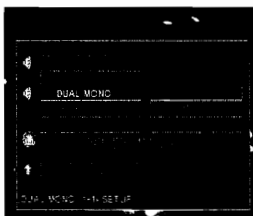
Output setup between coaxial or optical.

- **ANALOG** : It allows output of 5.1 channel analogue.
- **SPDIF/RAW** : Select if connected to an amplifier with a built-in digital decoder (DOLBY Digital, DTS, etc).
- **SPDIF/PCM** : Select if connected to an amplifier with a built-in digital decoder(2 channels only).



## OP MODE (LINE OUT and RF REMOD)

**LINE OUT** :Select "LINE OUT", and then it will do linear process to audio signal during audio decoding.  
**RF REMOD** :Select "RF REMOD", and then it will do RF process to audio signal during audio decoding.



## DUAL MONO

This function is similar to multiplex sound function supported in TV or VCR.

This function is only available for disc manufactured with dual mode program.

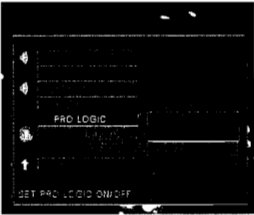
- **STEREO**: Left speaker outputs left channel and right speaker outputs right channel.
- **LEFT MONO**: Left & right speakers output left or right channel.
- **RIGHT MONO**: Left & right speakers output right channel.
- **MIX MONO**: Two mono channels are mixed and output through both speakers.



## DYNAMIC (Voice Output Enhancement)

Voice volume control function. Dragging up increases the volume and dragging down decreases the volume.

# DVD initial setup



## PRO LOGIC

If the AV receiver equipped with Dolby Pro Logic decoder is used, set to PRO LOGIC "ON" or "AUTO" position. But if AV receiver equipped without Dolby Pro Logic decoder is used, set to PRO LOGIC "OFF" position.

**OFF** : Irrespective of the disc encoding, the player bypass the DOLBY PRO LOGIC SURROUND sound effect.

**ON** : Irrespective of the disc encoding, the player decodes the sound to DOLBY PRO LOGIC SURROUND sound effect.

**AUTO** : If a DVD disc is encoded to DOLBY PRO LOGIC the DVD player decodes to DOLBY PRO LOGIC sound type. Otherwise if a DVD disc is not encoded to DOLBY PRO LOGIC, the player bypass the sound.



## LPCM OUTPUT

**LPCM 48K** : Select this option when a sampling frequency of DVD is 48kHz.

**LPCM 96K** : Select this option when a sampling frequency of DVD is 96kHz.

## PREFERENCES setup

You may set menu, voice or subtitles stored on the disc or ratings to keep children from viewing.



1 Press the **SETUP** button.



3 Make a selection by pressing the **▲/▼** (CURSOR) buttons and press the **◀**(CURSOR) button.



2 Select **PREFERENCES SETUP** by pressing the **▲▼** (CURSOR) buttons and press the **ENTER** button.



4 Make a selection by pressing the **▲/▼** (CURSOR) buttons and press the **◀**(CURSOR) button.  
 • Pressing the **◀**(CURSOR) button makes it move back to the menu.

### To Return to the previous screen

Select **MAIN PAGE** by pressing the **▼**(CURSOR)buttons and press the **ENTER** button.



### To exit the initial setup.

Select **EXIT SETUP** by pressing the **▼**(CURSOR)buttons and press the **ENTER** button. Or press the **SETUP** button.



# DVD initial setup

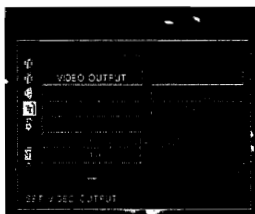


## TV TYPE

**MULTI:** Specifies display output in the recorded disc format.

**NTSC:** Specifies display output in NTSC format.

**PAL:** Specifies display output in PAL format.



## VIDEO OUTPUT

**S-VIDEO:** Outputs S-VIDEO through the S-VIDEO OUT and COMPOSITE VIDEO OUT

**Y Pb Pr:** Outputs Y Pb Pr through the Y Pb Pr VIDEO OUT and COMPOSITE VIDEO OUT

**RGB:** Outputs RGB through the SCART connector.

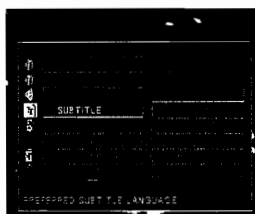
### Video Output for European models

This unit incorporates the variable VIDEO INPUTS which can deliver either the regular video or the S-Video signals as well as the mixed audio L and R signals. Use the appropriate setting.



## AUDIO

Available voice languages selection.



## SUBTITLE

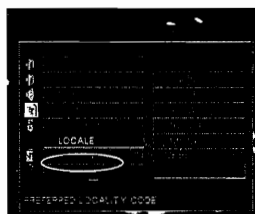
Available subtitle languages selection.



## DISC MENU

Menu languages selection

• In case that the menu language already set is not recorded on a disc, the menu language will not be changed even if set as above.



## LOCALE (CHINA, FRANCE, HONG KONG, JAPAN, TAIWAN, GBR & USA)

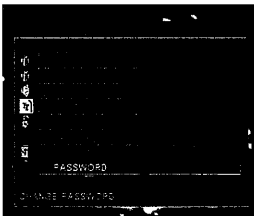
As for the disc with local limitation, you can choose the region.

# DVD initial setup



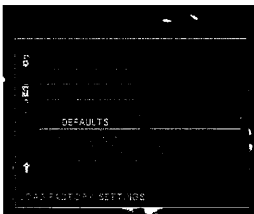
## PARENTAL

- For videos containing violence or sexual contents, you can set up video ratings not to be seen by your children.
- The video ratings for viewers can be set up to 8 levels indicating a video is suitable for adults as the number gets higher.
- Playback available only if the video rating for viewers is higher than the rating recorded on a disc.



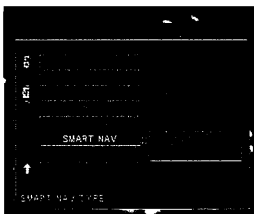
## Password

You can set up a password so that the video ratings cannot be changed by children.



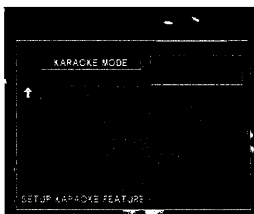
## DEFAULTS

- In case of improper operation, reset the setups to the initial setups.  
(However, use this function only when necessary because all the setups will be initialized.)



## SMART NAV

- NO MENU : Does not show the initial display upon inserting the MP3 disc.
- WITH MENU : Shows the initial display upon inserting the MP3 disc.



## KARAOKE MODE

- OFF : select it when you use not Karaoke mode.
- KARAOKE : select it when you using along with any stereo CD or CD-G discs.

### Note

Changes of video ratings for viewers, password and initial setups can only be made in stop position.

# REFERENCE

## Troubleshooting Guide

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
No Power.	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
The power is on, but the DVD changer does not work.	No disc is inserted.	Insert disc with magazine.
Magazine cannot be installed.	Direction in which it is inserted is wrong.	Insert it in proper direction.
No picture.	The TV is not set to receive DVD signal output.	Select the appropriate video input mode on the TV so the picture from the DVD changer appears on the TV screen.
	The video cable is not connected securely.	Connect the video cable into the jacks
	The connected TV power is turned off.	Turn on the TV.
No sound.	The equipment connected with the audio cable is not set to receive DVD signal output.	Select the correct input mode of the audio receiver so you can listen to the sound from the DVD changer.
	The audio cables are not connected securely.	Connect the audio cable into the jacks securely.
	The power of the equipment connected with the audio cable is turned off.	Turn on the equipment connected with the audio cable.
	The Digital Audio Output is set to the wrong position.	Set the Digital Audio Output to the correct position, then turn on the DVD changer again by pressing the POWER button.
The playback picture is poor.	The disc is dirty.	Clean the disc.
The DVD changer does not start playback.	No disc is inserted.	Insert disc with magazine.
	An unplayable disc is inserted.	Insert a playable disc.(Check the disc type, color system and Regional code.)
	The disc is placed label side up.	Place the disc with the playback side up.
	The disc is not placed within the guide.	Place the disc on the disc tray correctly inside the guide.
	The disc is dirty.	Clean the disc.
	A menu is on the TV screen.	Press the SETUP button to turn off the menu screen.
	The Rating level is set.	Cancel the Rating function or change the rating level.
The Remote control does not work properly.	The remote control is not pointed at the remote sensor of the DVD changer.	Point the remote control at the remote sensor of the DVD changer.
	The remote control is too far from the DVD changer.	Operate the remote control within about 6m.
	There is an obstacle in the path of the remote control and the DVD changer.	Remove the obstacle.
	The batteries in the remote control are exhausted.	Replace the batteries with new ones.
The POWER and the other buttons are not operated.	The screen holding error may occur by some discs.	In this case unplug the power cord of the DVD changer, and then plug in the power cord again.

# REFERENCE

## Specifications

### DISC

- Supports CD+G, DVD-Video, DVD-R, DVD+R, SVCD, VCD, CD-R, CD-RW, HDCD, CDDA, JPEG, MP3

### MICROPHONE

- Individual Microphone Volume Control
- Digital Echo Control
- Dual Microphone Input

### PLAY BACK CONTROL

- Direct Access Disc Buttons
- Direct Access Track Buttons
- Multiplex Function
- Digital Key Control

### AUDIO OUTPUT

- 5.1Ch Analogue Audio Output
- 2Ch Mixed Audio Output
- Coaxial Output
- Optical Output
- 2Ch XLR Audio Output

### VIDEO OUT PUT

- Composite Video Out
- Component Video Out
- VGA Output (Option)
- SCART Output for European Standard

### E.T.C

- Full Function Remote Control
- Professional Rack Mount Included
- Shock Resistant Player
- Parental Control / Password Setup
- NTSC / PAL Switchable

### AUDIO OUTPUT

- Video Features
- Video output Level : 1.0V<sub>P-P</sub> (75Ω)
- Y Output Level : 1.0V<sub>P-P</sub> (75Ω)
- C Output Level : 0.286V<sub>P-P</sub> / NTSC : 0.3V<sub>P-P</sub> / PAL (75Ω)

### AUDIO FEATURES

- Frequency response : 20Hz-20KHz(± 1dB)
- Signal to Noise Ratio : over 92dB
- Distortion : under 0.01% (under -60dB)

### POWER INPUT

- AC110V~240V, 50/60Hz

### POWER CONSUMING

- 25W

### OPERATION TEMPERATURE

- 5°C ~ 35°C

### HUMIDITY

- 15%~75% (No Water-drop Frozen)

### WEIGHT(NET)

- 6.0kg

### DIMENSIONS(W×D×H)

- 441×385×106mm

(ANY CHANGE OF PARAMETERS WON'T BE NOTICED EXTRA)



**Laser Safety (110-220V Model only)**

This CD Player is certified as a Class 1 laser product under the US Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the CD Player does not produce hazardous laser Radiation.

Since radiation emitted inside the CD Player is completely confined within the protective housings and External covers, the laser beam cannot escape from the machine during any phase of user Operation.

**CDRH Regulations (110-220V Model only)**

The Center for Device and Radiological Health (CDRH) of the US Food and Drug Administration Implemented regulations for laser products on August 2, 1976. These regulations apply to laser Products manufactured from August 1, 1976. Compliance is mandatory for products marketed in the United States. The label shown below indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

**FCC NOTICE**

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



17202 MARQUARDT AVE. CERRITOS, CA 90703  
[www.mediasynccorp.com](http://www.mediasynccorp.com)

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**Creating your own program**

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you can make a program of up to 98 tracks from all the discs in the order you want them to be played. This function works only for the **CDG/CD** disc.

1. Press the **PROGRAM** button when the playback is stopped.  
'PROGRAM 00 : 01 : 00' appears on the screen.
2. Select a disc number by pressing the **DISC CHANGE** number buttons.
3. Select a track number by pressing the **TRACK** number buttons.
4. Press the **ENTER** button to confirm it.
5. To Program other tracks, repeat steps 2 to 4.
6. To start the programmed songs, press the **PLAY** button.

---

**Please NOTE...**

---

- If you press **PROGRAM** button when the **PROGRAM** input mode is displayed on the screen, the **PROGRAM** input will be cancelled.
- The program input is erased if you press the **PROGRAM** button twice accedently.
- Before you turn off the power, we recommend to take out the magazine. If the magazine stays in the player, disc reading error might be occurred when you turn the power on next time.
- To play a song on a disc;  
Press the disc number.  
Press the track number of the song.  
Press the **ENTER** button.
- When disc stop playing, the microphone volume goes down automatically.

---

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