DVD VIDEO

DOLBY DIGITAL

QR 4000

Dear Customers

May we take this opportunity to thank you for purchasing this DVD home theatre system
We strongly recommend that you carefully study the Operating Instructions before attempting to operate the player and that you note the listed precaution.

Features

HIGH QUALITY SOUND AND PICTURE
◁96 kHz/24 bit audio D/A converter
This player enables 96 kHz/24 bit linear PCM signals, which constitute the highest specifications in the DVD standards, to be reproduced faithfully. To support 96 kHz sampling/24 bit sound, the shaping noise of this multi-level digital sigma type of D/A converter is kept flat up to 44 kHz, thus preventing the important audio signals from being affected in any way. In terms of the bottom line, the sound in all of its various modes is reproduced faithfully.

◁10 bit video D/A converter
With its 10 bit capability, this D/A converter reproduces images faithfully.

MULTI TV SYSTEM SUPPORTED
The player can play back discs with signal system of PAL and NTSC.

GRAPHICAL USER INTERFACE SCREEN

Simply by pressing the DISPLAY button on the remote control unit, information on the player and disc can be displayed on the TV screen for easy identification, The player's operations and settings can easily be performed by operating the remote control while monitoring the TV screen.

MULTI-AUDIO FUNCTION
The audio soundtrack can be heard in up to 8 languages. (The number of audio sound languages depends on the software.)

MULTI-SUBTITLES FUNCTION
Subtitles may be displayed in one of a maximum of 32 languages depends on the software.

MULTI-ANGLE FUNCTION
This function allows you to choose the viewing angle of scenes which were shot from a number of different angles. (Limited to DVD recorded with multiple camera angles.)

PARENTAL LOCK FUNCTION
This can prevent play of DVD unsuitable for children.

DISC FORMATS SUPPORTED BY PLAYER
The player can play back discs bearing any of the following marks:

Including DVD/VCD/CD/MP3/DVCD/CD-R

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Safety information

CAUTION:
DVD/VIDEO CD/CD PLAYER IS A CLASS I LASER
PRODUCT. HOWEVER THIS DVD/VIDEO CD/CD
PLAYER USES A VISIBLE LASER BEAM WHICH
COULD CAUSE HAZARDOUS RADIATION EXPOSU
-RE IF DIRECTED. BE SURE TO OPERATE THE
DVD/VIDEO CD/CD PLAYER CORRECTLY AS IN-
STRUCTED.

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

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

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

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC
SHOCK , DO NOTEXPOSE THIS EQUIPMENT TO
RAIN OR MOISTURE.

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

THIS DEVICE IS INTENDED FOR CONTINUOUS
OPERATION!

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:TO REDUCE THE RISK OF ELECTRIC
SHOCK, DO NOT REMOVE COVER
(OR BACK).NO USER-SERVICEABLE
PARTS INSIDE, REFER SERVICING
TO QUALIFIED SERVICE PERSONNEL.

(Back of player)

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 en-closure 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 operation and main-
tenance (servicing) instructions in the
literature accompanying the appliance.

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

VENTILATION WARNING:
THE NORMAL VENTILATION OF THE PRODUCT
SHALL NOT BE IMPEDED FOR INTENDED USE.

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Table of contents

Accessories   Precautions
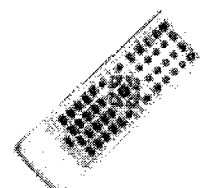
Remote control unit 1	
User manual 1	
Video/audio cable 1	
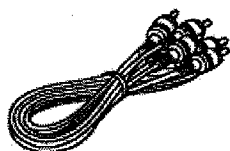
Please read these precautions before operating this player.

Power Cord Protection

To avoid any malfunctions of the player, and to protect against electric shock, fire or personal injury, please observe the following.

- Hold the plug firmly when connecting or disconnecting the AC power cord.
- Do not connect or disconnect the AC power cord when your hands are wet.
- Keep the AC power cord away from heating appliances.
- Never put any heavy object on the AC power cord.
- Do not attempt to repair or reconstruct the AC power cord in any way.
- Remove dust, dirt, etc. on the plug at regular intervals. If the player has been dropped or otherwise damaged, set the player to the standby mode and disconnect the AC power cord.
- If the player has fumes, odours or noise, set the player to the standby mode and disconnect the AC power cord.

Placement

Avoid placing the player in areas of:
direct sunlight or heating radiators, or closed automobiles
high temperature (over 35 C) or high humidity (over 90%)
excessive dust
vibration, impact or where the surface is tilted as the internal parts may be seriously damaged.

No fingers or other objects inside

Touching internal parts of this player is dangerous, and may cause serious damage to the player. Do not attempt to disassemble the player.
Do not put any foreign object on the disc tray.

Keep away from water and magnetic object

Keep the player away from flower vases, tubs, sinks, etc. If liquids are spilled into the player, serious damage could occur. Keep magnetic objects such as speakers, at a distance from the player.

Stacking

Place the player in a horizontal position, and do not place anything heavy on it.
Do not place the player on amplifiers or other equipment which may become hot.

Condensation

moisture may form on the lens in the following conditions:
immediately after a heater has been turned on.
in a steamy or very humid room.
when the player is moved from a cold environment to a warm one.
If moisture forms inside this player, it may not operate properly. In this case, turn off the power and wait about one hour for the moisture to evaporate.

If there is noise interference on the TV while a broadcast is being received

Depending on the reception condition of the TV, interference may appear on the TV screen while you are watching a TV broadcast and the player is left on. This is not a malfunction of the player or the TV. To watch a TV broadcast, set the player to the standby mode.
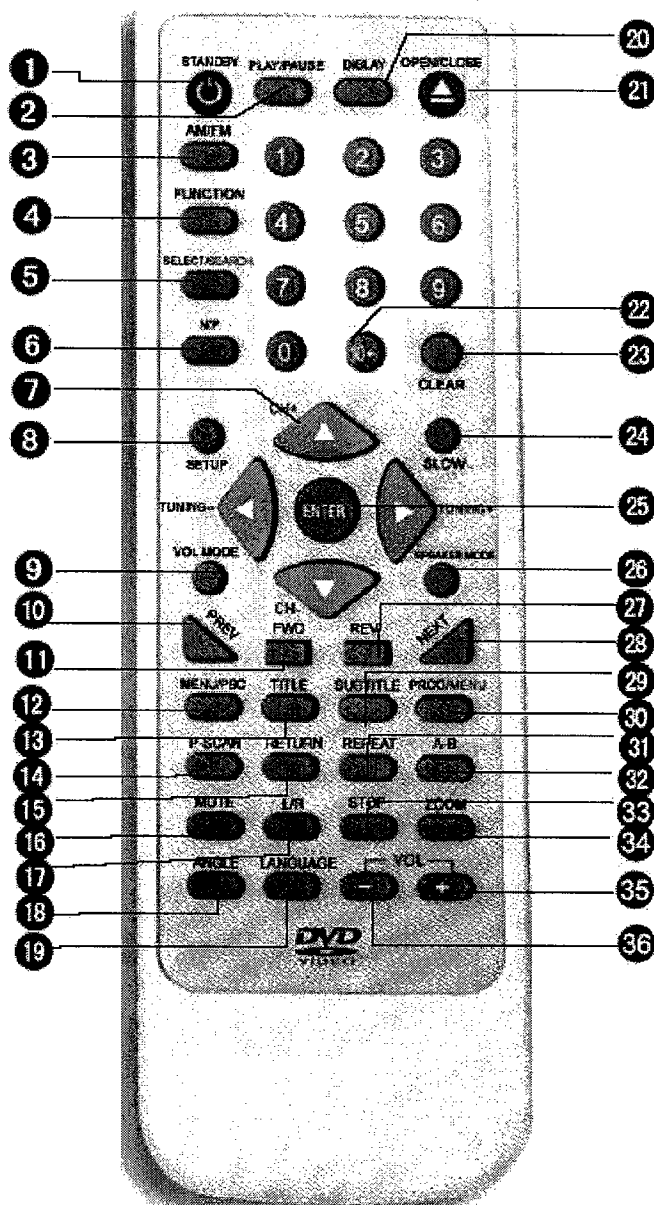
Control reference guide
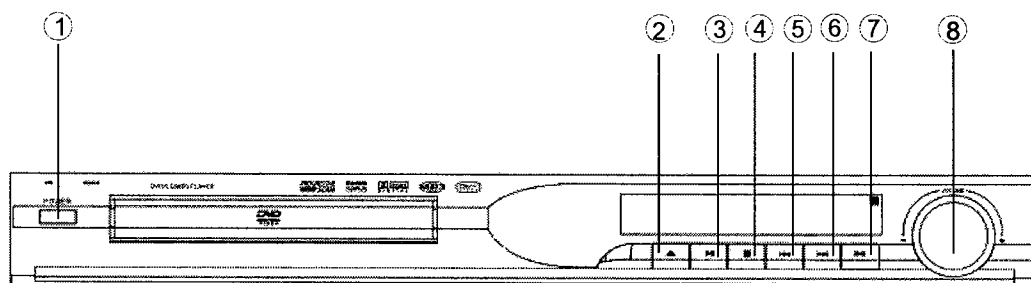
① Power button

② Open/close button

③ Play/pause button

④ Stop button

⑤ Prev button

⑥ Next button

⑦ R/L button

⑧ Volume button

Control reference guide

1.STANDBY
2.PLAY/PAUSE
3.AM/FM
4.FUNCTION
5.SELECT/SEARCH
6.N/P
7.UP DOWN LEFT RIGHT/CH+ CH- TUNING- TUNING+KEY
8.SETUP
9.VOL MODE
10.PREV
11.FWD
12.MENU/PBC
13.TITLE
14.PROLOGIC
15.RETURN
16.MUTE
17.L/R
18.ANGLE
19.LANGUAGE
20.DISPLAY
21.OPEN/CLOSE
22.NUMBER(0-10+)
23.CLEAR
24.SLOW
25.ENTER
26.SPEAKER MODE
27.RFV
28.NEXT
29.SUBTITLE
30.PROG/MENU
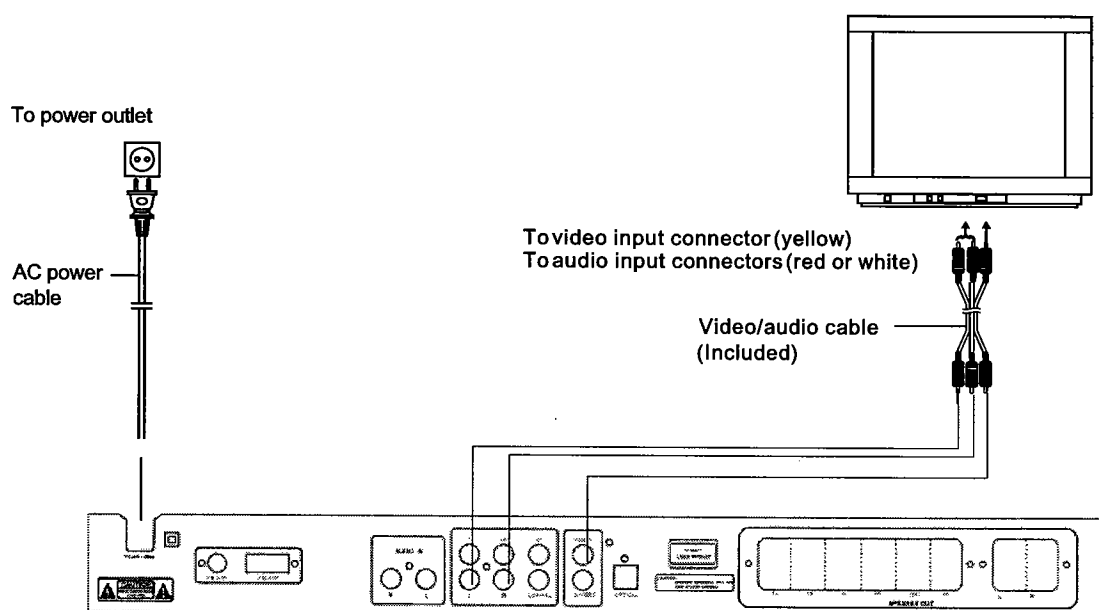31.REPEAT
32.A-B
33.STOP
34.ZOOM
35.VOL+
36.VOL-

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Basic connection

☞It is recommended to connect a multi-system TV.
☞Ensure that this player and other equipment to be connected are set to the standby mode or off and disconnect the AC power cords before commencing connection.
☞Do not block ventilation holes of any of the equipment and arrange them so that air can circulate freely.
☞Read through the instructions before connecting other equipment.
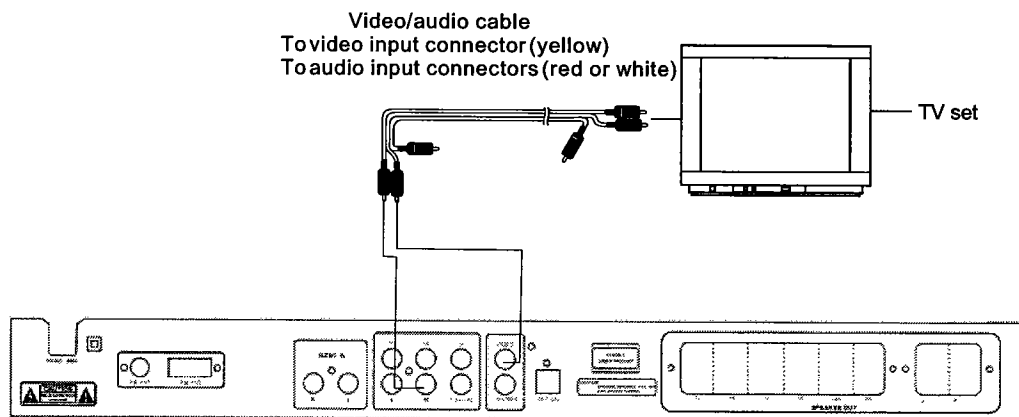☞Ensure that you observe the color coding when connecting audio and video cables.

Note:
☞During DVD play, the TV volume may be at a lower level than during TV broadcasts, etc. If this is the case, adjust the volume to the desired level.
☞If the DVD/VCD/CD player is connected to the TV through a video cassette recorder, the picture may not be played back normally with some DVDs. If this is the case, do not connect the player via the VCR.

Connecting to a stereo TV set

To power outlet

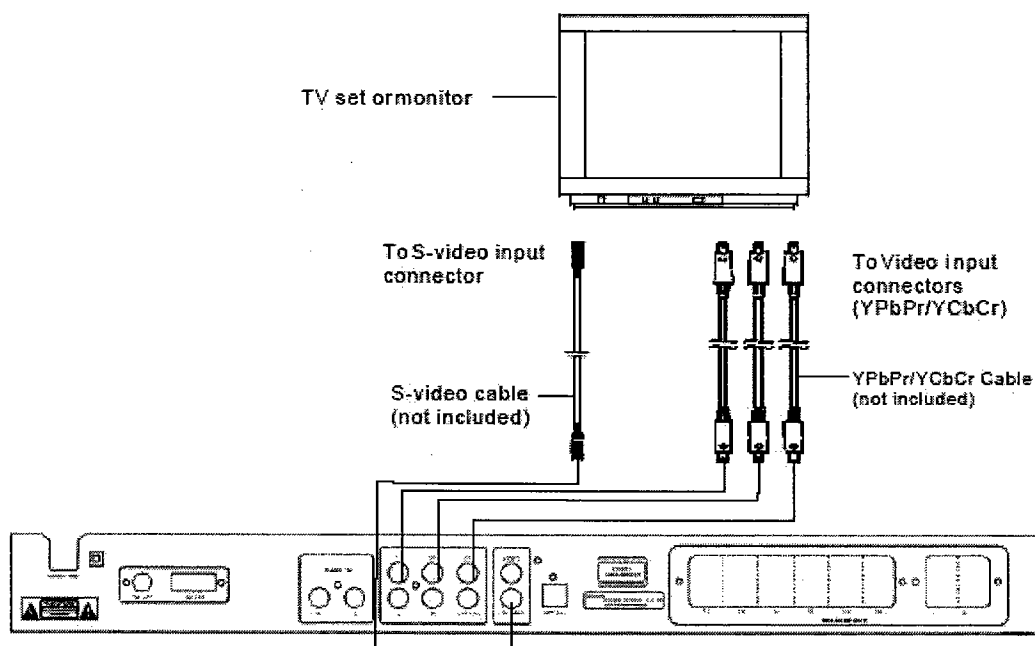To video input connector (yellow)
To audio input connectors (red or white)

AC power cable

Video/audio cable (Included)

Connecting to a monaural TV set

Video/audio cable
To video input connector (yellow)
To audio input connectors (red or white)

TV set

Basic connection

Connecting to a TV set or monitor with YPbPr/YCbCr video output connectors

TV set or monitor

To S-video input connector

To Video input connectors (YPbPr/YCbCr)

S-video cable (not included)

YPbPr/YCbCr Cable (not included)

S-video output connectors

The S(separate) video output connector separates the color(C) and luminance(Y) signals before transmitting them to the TV set in order to achieve a sharper picture.

Use the S-video cable (not included) when connecting the playe... TV set equipped with an S-Video input connector for the best picture clarity possible.
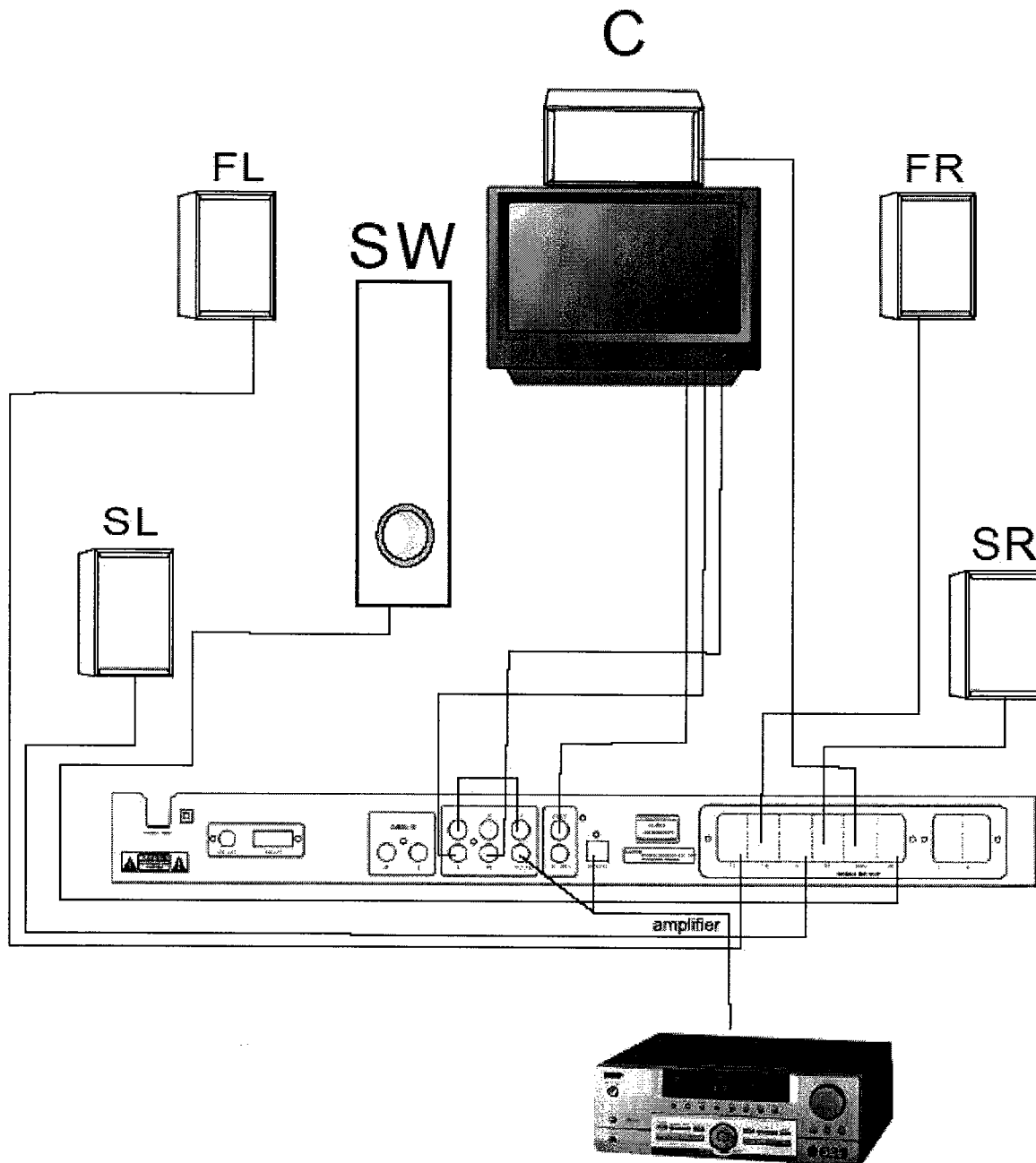
The YPbPr/YCbCr connector outputs the color signals(luminance,red,blue color difference primary) in order to achieve high fidelity in reproducing colors.

The description of the component video input connectors may differ depending on the TV set or monitor. Refer to the instruction manual of your TV set for details.

Basic connection
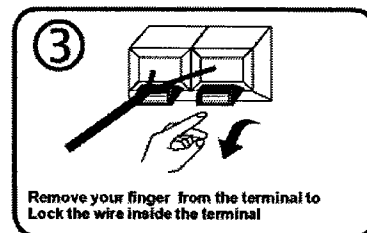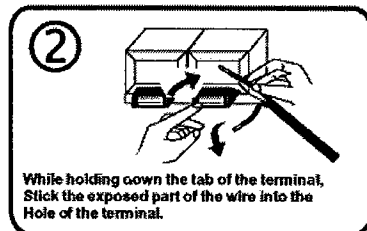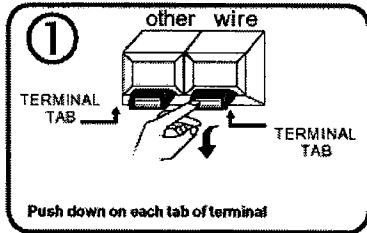
C

FL

SW

FR

SL

SR

amplifier

Speaker system connections
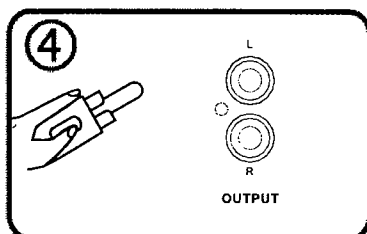
Tips for connecting the speaker wires

Push and hold the speaker terminal tab down to insert each wire.
Release the tab to lock the wire into the terminal. make sure the wire is fully inserted, but the insulation is not covering the inserted part of the speaker wires.

SPEAKER TERMINALS

TERMINAL TAB

other wire

TERMINAL TAB

Push down on each tab of terminal

While holding down the tab of the terminal, Stick the exposed part of the wire into the Hole of the terminal.

Remove your finger from the terminal to Lock the wire inside the terminal

SET TERMINALS

L

R

OUTPUT

GO ON TO THE NEXT WIRE&REPEAT ABOVE.
REMEMBER WIRES MUST GO FROM THE AMPLIFIER
UNIT TO THE SPEAKERS.MAKE SURE POWER IS
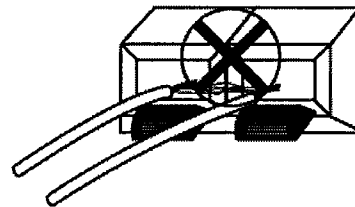OFF WHEN DOING THE ABOVE

Note:
be sure to match the speaker wire to the appropriate
terminal on the components:Follow the label of each terminal

To avoid short-circuiting the speakers

•Make sure not even one strand of wire touches the other wire.
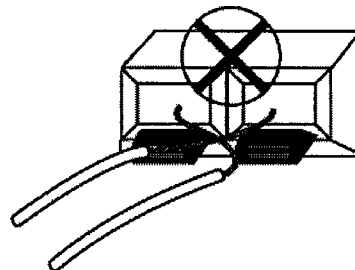
Examples of poor connection of the speaker wires

LOOSE STRANDS TOUCHING

• Stripped speaker wire is touching another speaker terminal. Make sure not even 1 strand of wire touches the other wire!

WIRES SHORTED TO EACH OTHER

• Stripped wires are touching each other due to excessive removal of insulation. Do not allow the above to happen on your set or speakers.

Speaker positioning information

Your system is supplied with 5 compact size satellite speakers. The satellite speakers and the center speaker reproduce only the mid range and higher frequencies. All of the low frequency (bass) sounds are produced by the theater. Proper positioning and placement of the speakers important in order to provide the best surround sound experience. We understand that due to the size and shape of your listening room, and the location of your furniture, you may not be able to set up the speakers exactly as per these diagrams. However these simple guidelines will help you maximize your home theatre experience.

- Note the speaker levels are preset at the factory and most people will not need to fine tune the sound of each speaker. We suggest you skip this part at first. Later on you can adjust the sound level of each individual speaker.

- Although all 5 satellites are of the same size, the speakers inside the cabinets are color-coded, as are the speakers wires and the speaker terminals on the back of the main unit. refer to the connection diagram on page 11. Be sure you are using the correct satellite speaker in each location, front, rear and center. Please follow the colors for best results.

Optional audio connections

Notes when connecting the optical digital audio cable (optional)
- Remove the dust protection cap from the optical digital audio output and connect the cable firmly so that the configurations of both the cable and the connector match.
- Keep the dust protection cap and to protect against dust, always reattach the cap when not using the connector.

Concerning the audio output from the player's optical/coaxial digital audio output connector

Disc	Sound recording format	Optical/coaxial digital audio output from connector
DVD	Dolby Digital (AC-3)	Dolby Digital bitstream (2-5.1ch) or PCM (2ch) (48 kHz/16 bit)*1
	Linear PCM (48/96 kHz 16/20/24 bit)	Linear PCM (2ch) (48 kHz sampling/16 bit only)*2 or no output*1
Video CD	MPEG 1	PCM (44.1 kHz sampling)
CD	Linear PCM	Linear PCM (44.1 kHz sampling)

*1 The type of audio output from the connector can be selected by the initial settings.

*2 Sound having 96 KHz sampling is converted into 48 KHz or 96KHz sampling when it is output from the player's optical/coaxial digital audio output connector.

For your reference:
- Dolby Digital (AC-3) is a digital sound compression technique developed by the Dolby Laboratories Licensing Corporation.
- Linear PCM is signal recording format used in a CD. While a CD is recorded in 44.1 KHz/16 bit, a DVD is recorded in 48 KHz/16 bit up to 96 KHz/24 bit.
- If you have a Dolby Pro Logic Surround decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

Dust protection cap
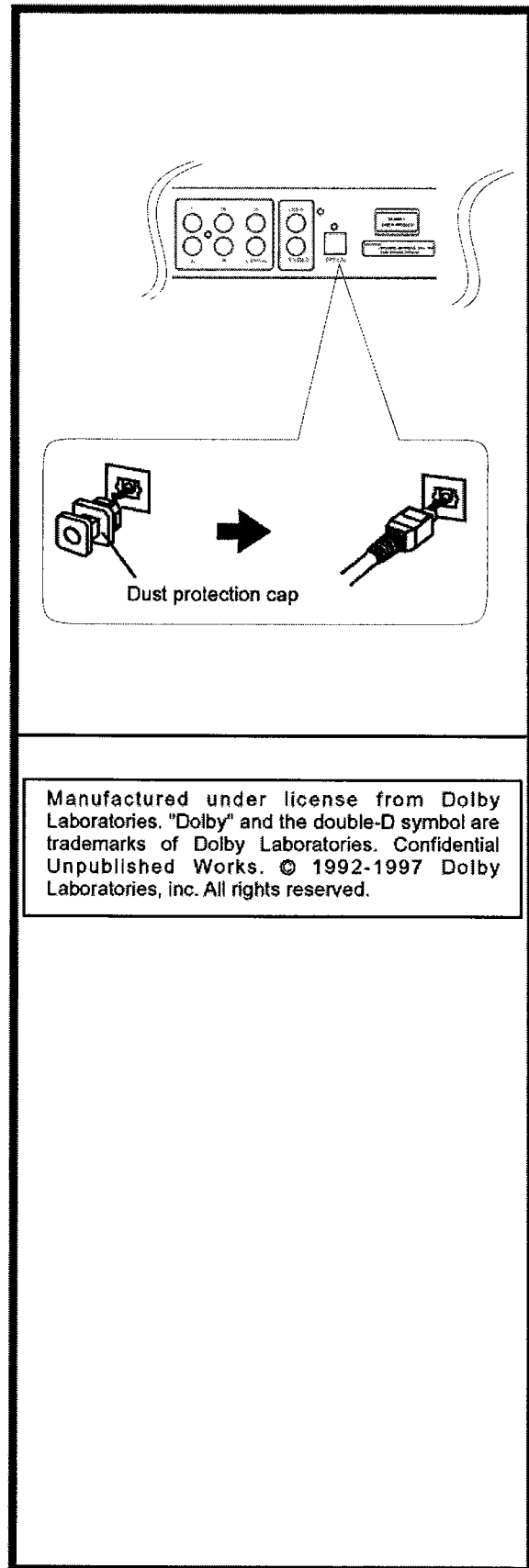
Before enjoying DVD/Video CD/CD

The On-Screen menu language of your player has been factory pre-set to English.
If you would like to change the menu language to other language, please refer to "Selecting language of On-Screen Display menu".
In the explanation given below it is assumed that English has been selected as the menu language.
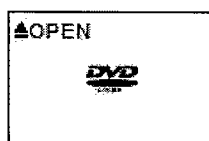
Basic play

Preparations

Switch the TV ON and select " Video" as the TV input.
Switch on the stereo system's power if the player has been Connected to a stereo system.

Basic play

1. Press POWER to switch on the power.
2. Press OPEN/CLOSE to open the disc tray.

```
▲OPEN

    DVD
```

3. Place a disc onto the disc tray.
   Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.

4. Press OPEN/CLOSE
   The disc tray is automatically closed and play begins. When the disc tray is closed by pressing OPEN/CLOSE, the player will start to read the disc immediately.

```
LOADING          DVD

  DVD      →      DVD
```
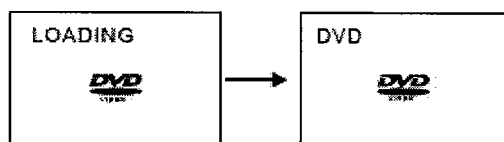
5. When a menu screen appears on the TV, move the navigation buttons or press the numeric buttons to select preferred track number, then press ENTER button to confirm.

```
1. WHAT WILL I DO
2. HEAR ME CRY        →    WITHOUT YOU
3. WITHOUT YOU
4. MOVE CLOSER
```
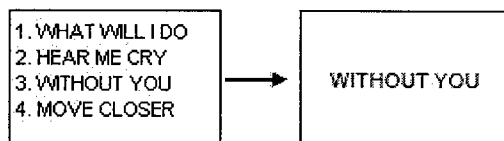
6 .When the menu continues onto another screen , press SKIP+ button to view the next screen, or press SKIP- button to skip to previous screen.
   NOTE: Due to the different design of some software titles, NEXT button may not always work.

7. To stop play and return to the menu screen, press TITLE button, or MENU button (which button is pressed differs depending on the disc used).

PLAY
OPEN/CLOSE
Number
PREV
NEXT
MENU
TITLE
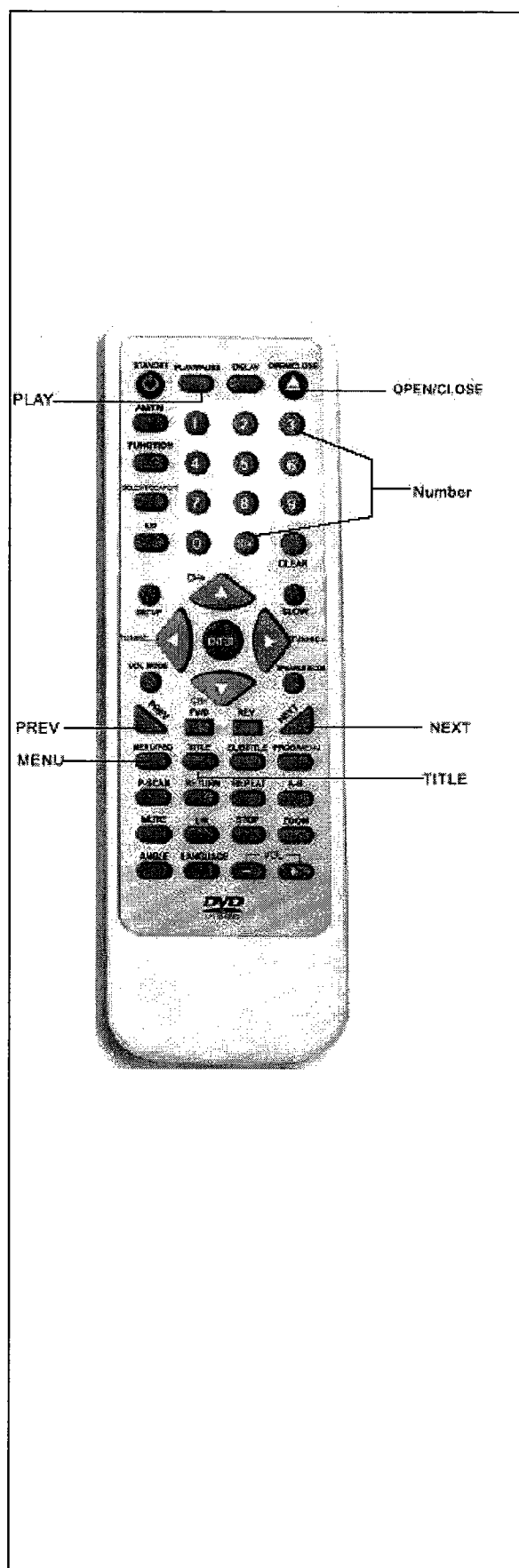
Intput select

●press function to select input
●input station include DVD,RADIO,AUX

Stopping play

Press STOP
For your convenience:
● When player is stopped, the player records the point where
  STOP was pressed(RESUME function). Press PLAY again,
  Play back will resume from this point. When the tray is
  Opened or STOP is pressed again, the RESUME function
  will be cleared.

Skipping ahead or back

Skipping ahead
Press NEXT▶▶ button during play
A chapter(DVD) or a track (Video CD/CD)is skipped each
time the button is pressed.
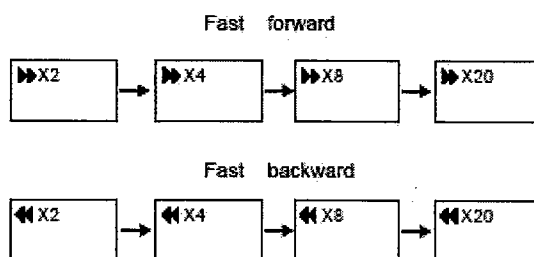
Skipping back
Press PREV ▶◀button during play
A chapter(DVD)or a track (Video CD/CD) is skipped each
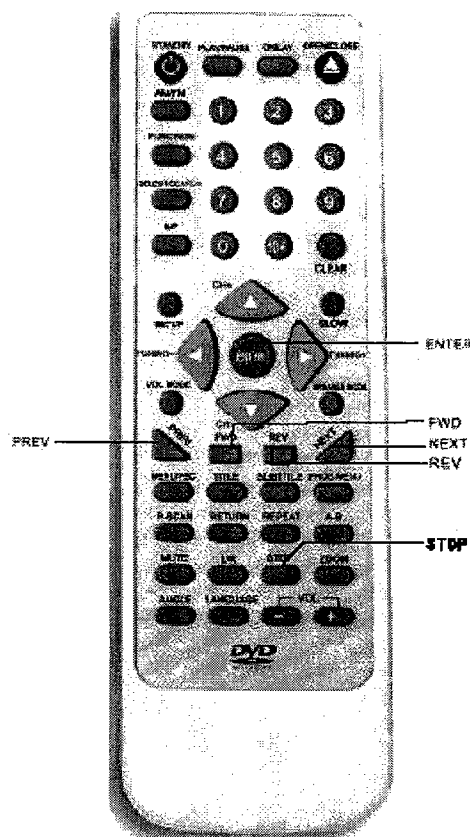time the button is pressed.

Prev ▶◀	→	Next ▶▶

Rapid advance(Rapid reverse)

During playback, press FWD button ▶▶or REV button
◀◀ to fast forward/rewind.
Press PLAY button to resume normal play.

Fast   forward

▶▶X2	→	▶▶X4	→	▶▶X8	→	▶▶X20

Fast   backward

◀◀X2	→	◀◀X4	→	◀◀X8	→	◀◀X20

Pause or step play

During playback, press PAUSE/STEP button, the play
will be paused, and in this mode, each time the PAUSE
/STEP Button is pressed, the player will only play one
picture, to Resume normal play, press PLAY button.

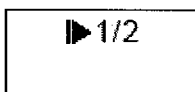| Pause ‖	→	Step ▶

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Slow-motion play (DVD/VCD)

On the remote control unit
Press SLOW button during playback.
● Plays the disc at a 1/2 of normal speed at first. Each time
  The button is pressed, the play speed becomes slow at
  1/4 , 1/6 , 1/7 .
■ Press PLAY button, normal play will resume.

```
▶1/2
```

MP3 playback

Basic play

1. Insert the disc containing the files in MP3 format to be
   played and after a few seconds, the TV screen will show
   file list on the disc.

2. The files are displayed and select your favourable song by
   using the up/down navigation buttons and press ok button
   to start playback.

```
CD-R     1/172  00:01:47
JOJ001
1   001    6    006
2   002    7    007
3   003    8    008
4   004    9    009
5   005   10    010
File:001
```
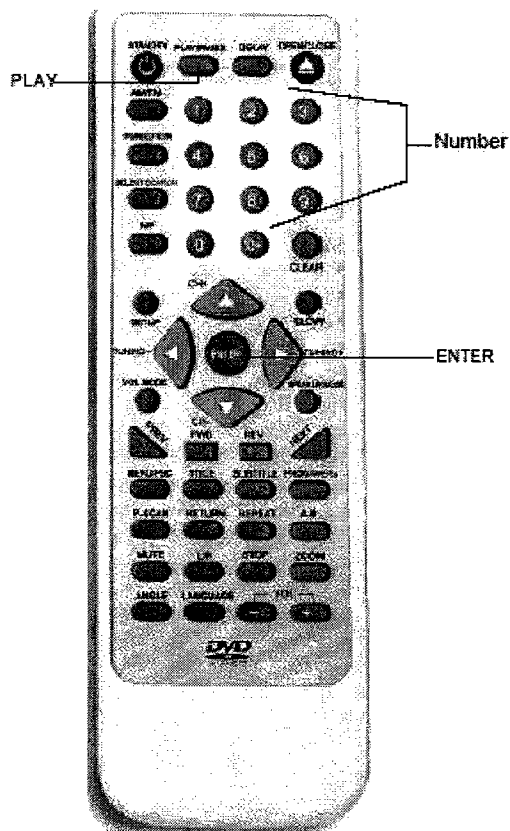
Note: Maximum 14 characters including space can be
       displayed for the filename.
       Non-English file name will not be displayed
       correctly

3. Press REPEAT button to change play mode.

```
Play mode:
```

REPEAT single - Repeat one file.
REPEAT ALL - All the files will be played repeatedly.

PLAY

Number

ENTER

Kodak Picture CD / JPEG CD

- If Kodak Picture CD or JPEG CD is inserted, slide show is begin automatically.

Play mode:

- REPEAT single - repeat one file.
- REPEAT all - all the files in the folder will be played repeatedly.

Once a file is selected, the picture is load onto The TV screen.

Note: The time to load and display picture depends on the file size of the pictures.

Skip to next/previous picture

Press NEXT button to skip to the next picture or PREV button to skip to the previous picture.
If no key is pressed for 5 seconds, it will skip to next picture automatically.

Picture Shrink/Zoom

Press zoom button to enlarge picture to 4/3, 3/2, 7/4 and 2, or to shrink picture to 1/4 and 1/2.
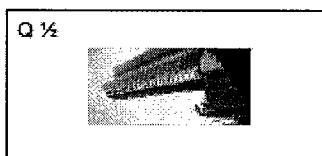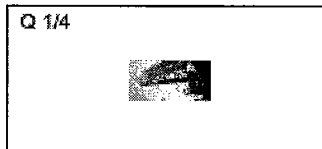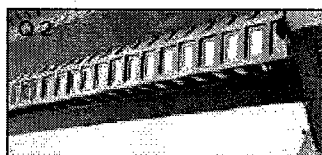
Enjoying Video CDs with playback control

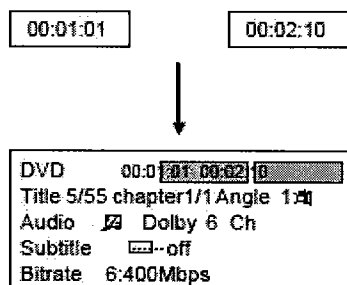● When playing VCD 2.0/3.0 with PBC, a menu will appear on the screen at the beginning.

```
1 WHAT WILL I DO
2 HEAR ME CRY
3 WITHOUT YOU
4 MOVE CLOSER
```

● Press numeric buttons to select corresponding track, if the track number is under 10, choose one of the numeric buttons 0~9.
● If the track number is exceed 10, press +10 button firstly, Then press numeric buttons 0~9.
● Press NEXT button or PREV button , the player will play in the scheduled sequence on the disc.
● Press MENU to switch PBC ON or OFF.

PLAY

10+

ENTER

MENU

TITLE

STOP
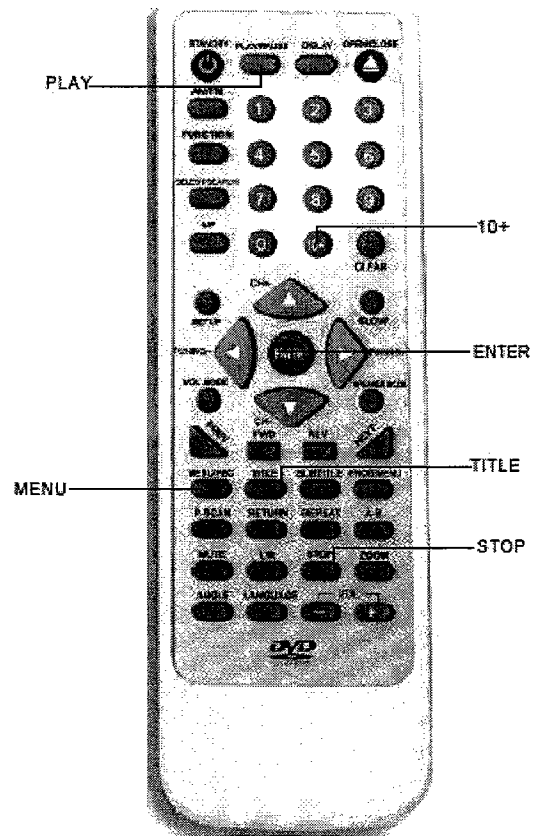
ON Screen display information

When the player is under operation, press DISPLAY the first time the screen will display time information only, and the second time the screen will display all available informations.

| 00:01:01 | | 00:02:10 |

DVD   00:0 01 00:02 0
Title 5/55 chapter1/1 Angle 1:
Audio   Dolby 6 Ch
Subtitle   --off
Bitrate   6:400Mbps

Program play

The player plays the tracks in the disc in an order you desired.
1. Press PROGRAM button and the screen will display the Program menu,in the case of player is in the resume stop mode.

Program Input Title/chapter
1_____ 4_____ 7_____10
2_____ 5_____ 8_____11
3_____ 6_____ 9_____12
Play program   clear All

2.Press navigation buttons to choose memory index and then enter desired Titles/Chapters numbers by using the numeric buttons.The selected Titles/Chapters are stored into the memory.Up to 12 memories can be stored.

Note: Leading zero is not necessary. If the track number is More than 10, enter the high bit first and then the low bit
Example: Track 3, press "3"
          Track 12, press "1" and then"2"
          Track 21, press "2" and then"1"

3.To start program play,select play program on the menu or press PRG button again to exit without program play.

4. To clear programmed items, scroll the navigation button to the item to be cleared and press CLEAR button on the remote control, the selected item will be deleted.

Zoom play

* Press ZOOM button repeatedly when playing moving pictures the screen shows:Q1,Q2,Q3,Q4 and Q Off in circle and the pictures size is enlarged according to the zoom factor.
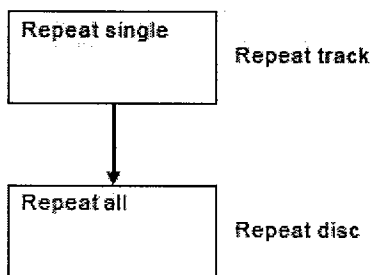
PLAY

Number

ENTER

MENU
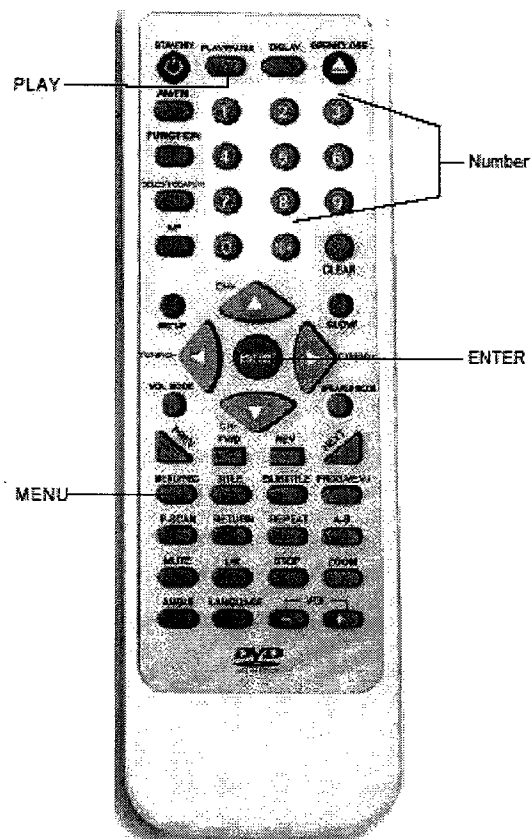
Repeat play

Press REPEAT button continuously during play, it
will repeat play one chapter or one title (for DVD disc),
or repeat play track (for VCD/CD).

DVD DISC

Repeat chapter	Repeat chapter

↓

Repeat title	Repeat title

↓

Off	Repeat off
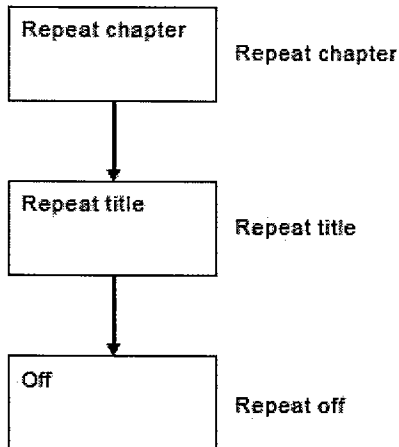
VCD/CD DISC (In the PBC OFF mode)

Repeat single	Repeat track

↓

Repeat all	Repeat disc

A-B repeat play
Repeating sections between two specific points(A-B
repeat)

1. Press A-B button during play at the point where
repeat play is to be started(A).
2. Press A-B button at the point where repeat play
is to be ended (B). Repeat play of the selection between
Points A and B starts.
3. Press A-B button to return to normal play.

Rep A-	→	Rep A-B

ENTER

A-B

REPEAT
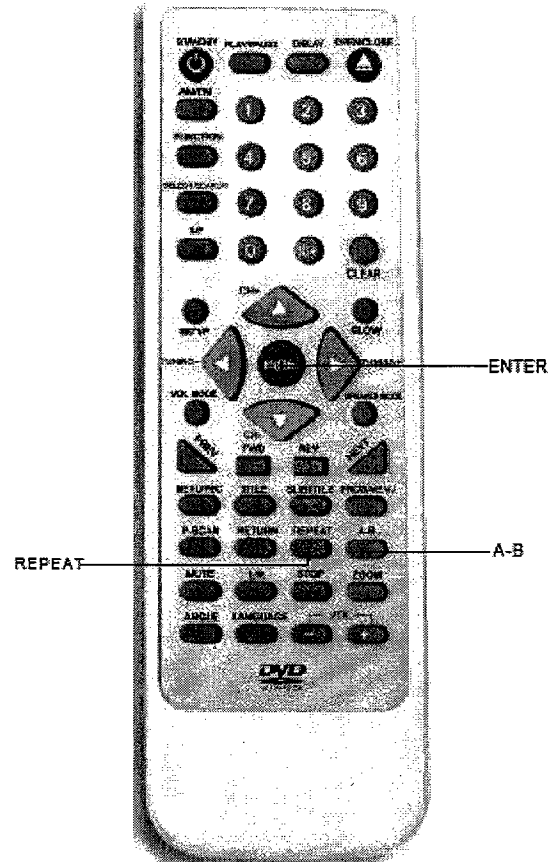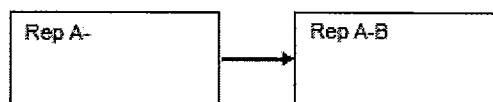
Changing subtitle language (DVD only)

It is possible to change the subtitle language to a different language from the one selected at the initial settings.(This operation works only with discs on which multiple subtitle languages are recorded)

1. Press SUBTITLE button during play, the screen will display the current language.

2. Press SUBTITLE button again to change language or turn off.

NOTE: When no subtitles are recorded, press this button will not work.

Changing audio soundtrack Language(DVD)

It is possible to change the audio soundtrack language to a different language from the one selected at the initial settings (This operation works only with discs on which Multiple audio soundtrack languages are recorded).

- Press L/R button during playing DVD disc, the screen will display the number of current soundtrack language, press the button again will change the language.

- Pressing L/R button during playing VCD disc will change audio output mode: L audio soundtrack, R audio Soundtrack and stereo(VCD disc only).

   NOTE: When no soundtrack languages are recorded, press this button will not work.

   NOTE: When the power is turned on or the disc is removed, The language heard is the one Selected at the initial settings.

Tuning radio Stations

1. Press FM/AM to change into FM/AM radio Mode.

2. Press Tuning up or Tuning down briefly and repeatedly unit an optional reception is found

3. Repeat if necessary until you find the desired radio station presetting radio station

Preset radio station

1. Tune to your desired radio station

2. Use the numeric keyboard(0~9) to select the desired preset memory

3. Press ENTER to store the radio station

Listening to Preset radio station

1. Press Tuning up/Tuning down to select desired preset radio station

2. Use the numeric key(0~9) to select the desired preset memory and press enter button

SUBTITLE

ZOOM

20
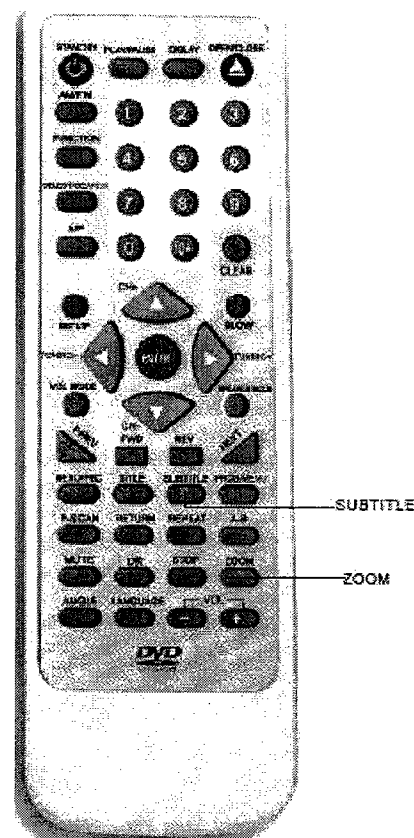
Viewing from another angle (DVD only)

Some DVDs may contain scenes which have been shot simultaneously from a number of different angles. For these discs, the same scene can be views from each of these different angles using the ANGLE button.
- Press ANGLE during play, number of angle being playback will be displayed in the screen, press the button will change to different angles.

Search for preferred scene

1. Press SELECT button during play, then press up or down Navigation button to select Title, Chapter, Title time or

2. Enter the Title, Chapter, Title time or Chapter time to play by using the numeric buttons.

3. Press "ENTER" button to start to search.

4. Press SEARCH button again to exit search mode.

| Search	
Time	
Title/chapter	⌐⌐⌐
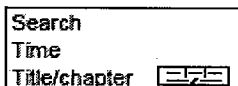
Initial Settings

- Once the initial programming is entered it is retained in memory until changed, the player can always be operated under the same conditions.
- The settings will be retained in the memory until the settings are changed.

Common procedure for initial settings

1. Press SETUP button.

2. Use the navigation buttons to select preferred item, then press ENTER button, each submenu for setting the value is Displayed.

3. Press SETUP button again or to close setup menu in any mode.

AM/FM

SETUP

MENU

MUTE

ANGLE

Number

ENTER
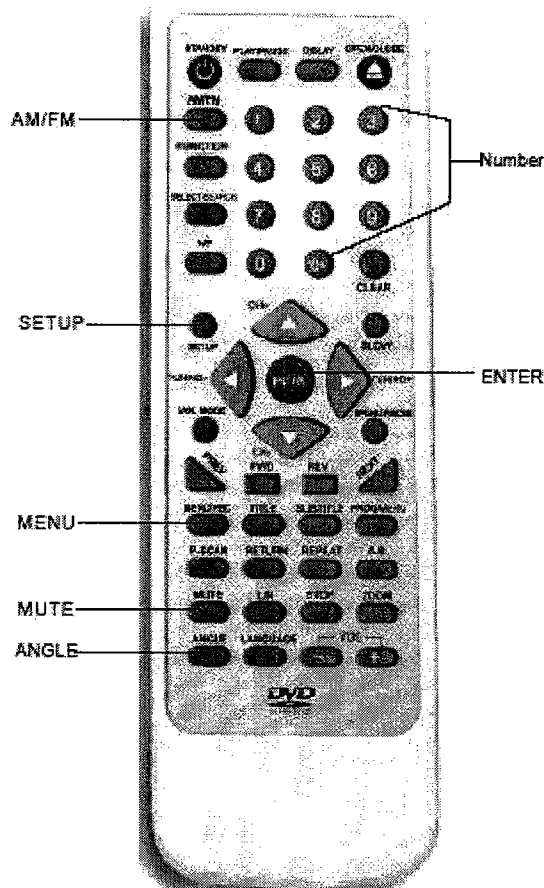
SETUP

The setup menu lets you customize the DVD player by allowing you to select various language preferences, set up a parental level, turn captions and screen saver on and off, adjust what type of television screen you have and more.

Enter the SETUP MENU by pressing the SETUP button❶ while in the Stop mode. Use the Navigation (◄, ►) buttons❷ to navigate through the main menus and press the ENTER button❸ to select the highlighted option. Select an option to change using the Navigation (▲,▼) buttons❷ and press the ENTER button❸ again to select it. Change the setting using the Navigation (▲,▼) buttons❷, then press the ENTER button❸.
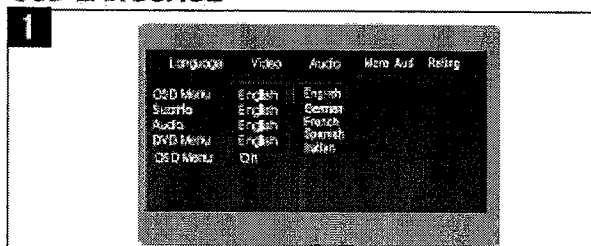
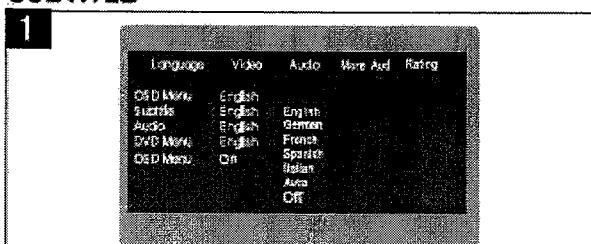To Exit the SETUP MENU, press the SETUP button❶.
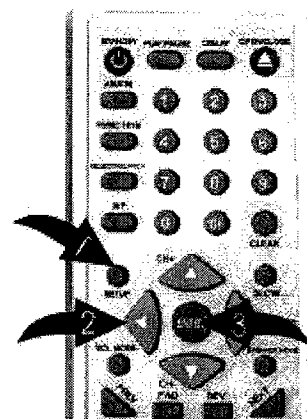
LANGUAGE SETUP MENU:

Select LANGUAGE and then select the desired option using the Navigation (◄,►,▲,▼) buttons to navigate through the menus/screens and press the ENTER button to select.
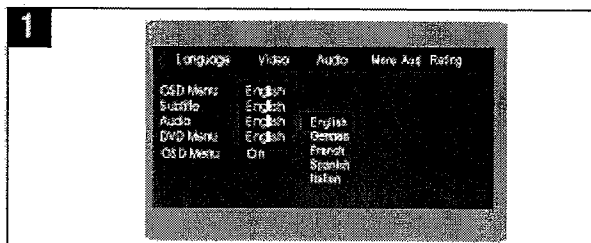
OSD LANGUAGE

Select the desired language for the On-Screen display to display text.

SUBTITLE

Select the language the Subtitle will be in (ENGLISH, French,Spanish,Italian,German).DVD must be recorded in the selected language,otherwise the default language of the DVD will be shown.
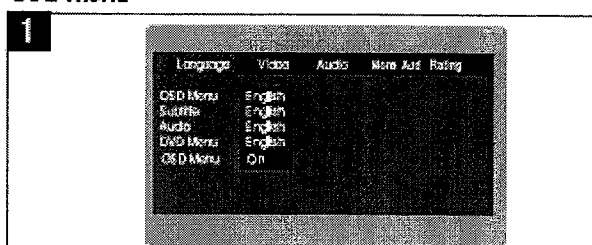
AUDIO

Select the language the DVD will be played back in (ENGHLISH) The DVD must be recorded in the selected anguage, otherwise the default language of the DVD will be played.

DVD MENU
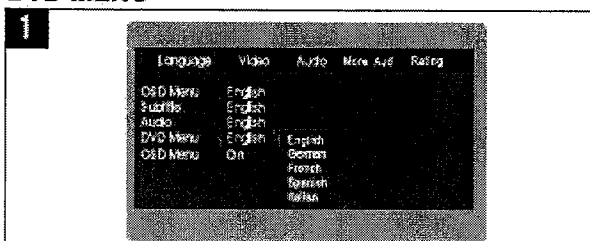
Select the language the DVD MENU will be in The DVD's (ENGHLISH) DISC MENU must be made in the selected language, otherwise the default language of the DVD will be shown.

OS D Menu

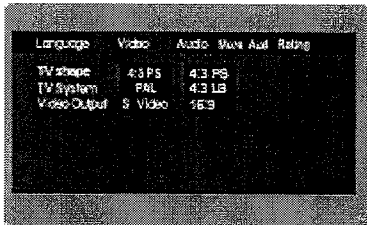Select On to display function symbol on screen.

SETUP

VIDEO SETUP MENU:

Select VIDEO and then select the desired option using the Navigation (◄,►,▲,▼) buttons to navigate through the menus/screens and press the ENTER button to select.
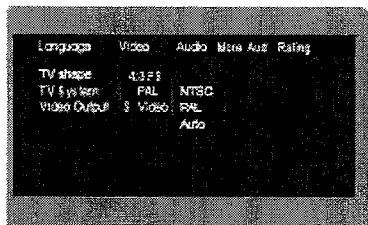
TV TYPE

4:3 PS (Pan Scan): Select when the unit is connected to a conventional TV. Video material formatted in the Pan Scan style is played back in that style (the left and right edges are cut off).

4:3 LB (Letterbox): Select when the unit is connected to a normal TV. Wide-screen images are shown on the screen with a black band at the top or bottom.

16:9: Select when the unit is connected to a wide-screen TV.
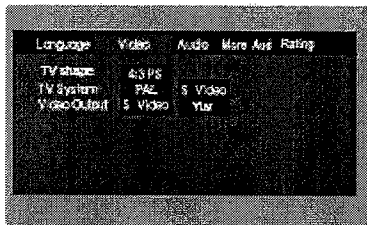
TV SYSTEM

NTSC: Select when using an NTSC TV.

PAL: Select when using a PAL TV.

PAL 60: Select when using a PAL 60 TV.

AUTO: Select to let the TV automatically choose the TV system.

VIDEO OUTPUT

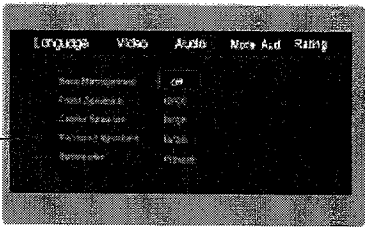Select the output to TV connection, S-VIDEO or YCbCr.

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SETUP

AUDIO SETUP MENU:

Select AUDIO and then select the desired option using the Navigation (◀,▶,▲,▼) buttons to navigate through the menus/screens and press the ENTER button to change the options.
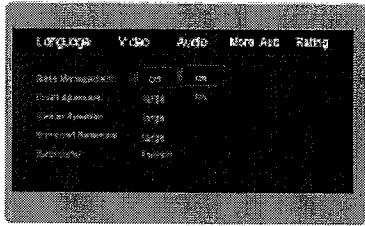
Audio setup

1

Press ⬆⬇ to select the menu item

Select <Audio> in the setup menu, and press ENTER to display the <Audio> submenu.

A.Press ENTER to setup

B.Press ⬆ to return
to the setup menu

2

Select <Bass Management>, and press ENTER to display the <Bass Management> submenu

A. Press ⬆⬇ to change your selection

B. Press ENTER to confirm

C.Press ⬆ to return to the setup menu

D.Press SETUP to exit the setup menu

3

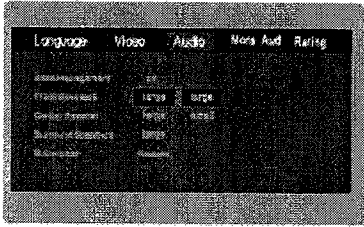Select <Front Speakers>, and press ENTER to display the <Front Speakers> submenu

A. Press ⬆⬇ to change your selection

B. Press ENTER to confirm

C.Press ⬆ to return to the setup menu

D.Press SETUP to exit the setup menu

4

Select < Center Speaker >, and press ENTER to display the < Center Speaker > submenu

A. Press ⬆⬇ to change your selection

B. Press ENTER to confirm

C.Press ⬆ to return to the setup menu

D.Press SETUP to exit the setup menu

5

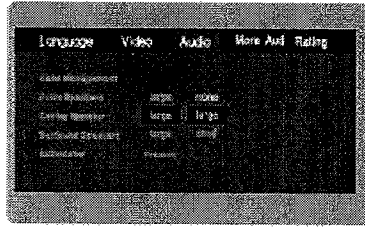Select <Surround Speakers>, and press ENTER to display the < Surround Speakers> submenu

A. Press ⬆⬇ to change your selection

B. Press ENTER to confirm

C.Press ⬆ to return to the setup menu

D.Press SETUP to exit the setup menu

6

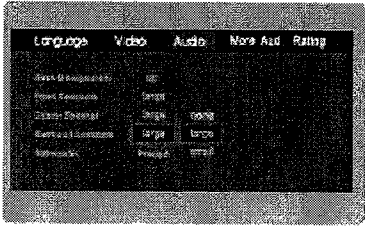Select < Subwoofer >, and press ENTER to display the < Subwoofer Speakers> submenu

A. Press ⬆⬇ to change your selection

B. Press ENTER to confirm

C.Press ⬆ to return to the setup menu

D.Press SETUP to exit the setup menu

SETUP

AUDIO SETUP MENU:

Select AUDIO and then select the desired option using the Navigation (◄,►,▲,▼) buttons to navigate through the menus/screens and press the ENTER button to change the options.

More Audio setup

1

Press ⇧⇩ to select the menu item

Select <More Aud> in the setup menu, and press enter to display the <More Aud> submenu.

A.Press ENTER to setup

B.Press ⇧ to return to the setup menu

2

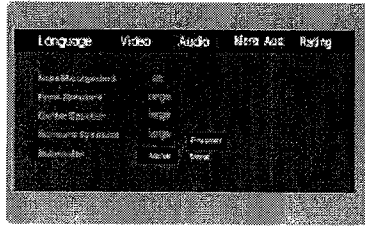Select <Digital Output>, and press enter to display the <Digital Output> submenu

A. Press ⇧⇩ to change your selection

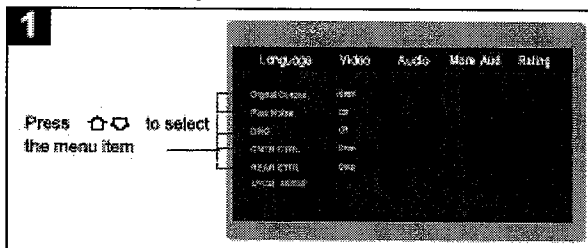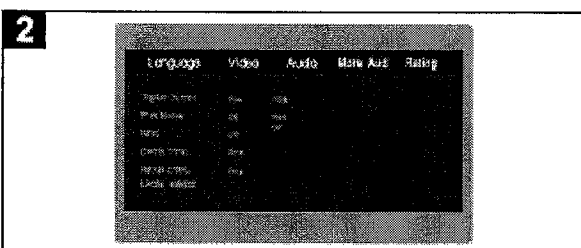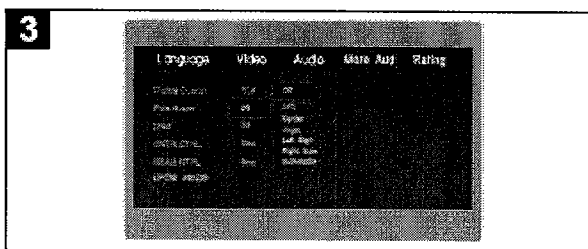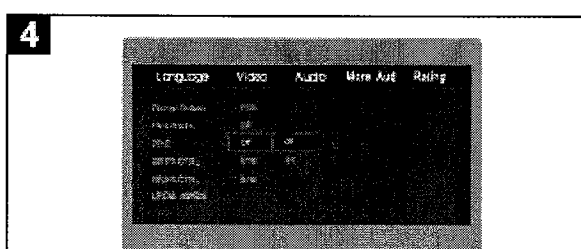B. Press ENTER to confirm

C.Press ⇧ to return to the setup menu

D.Press SETUP to exit the setup menu

3

Select < Pink Noise >, and press enter to display the < Pink Noise > submenu

A. Press ⇧⇩ to change your selection

B. Press ENTER to confirm

C.Press ⇧ to return to the setup menu

D.Press SETUP to exit the setup menu

4

Select < DRC >, and press enter to display the < DRC > submenu

A. Press ⇧⇩ to change your selection

B. Press ENTER to confirm

C.Press ⇧ to return to the setup menu

D.Press SETUP to exit the setup menu

5

Select < CNTR CTRL >, and press enter to display the < CNTR CTRL > submenu

A. Press ⇧⇩ to change your selection

B. Press ENTER to confirm

C.Press ⇧ to return to the setup menu

D.Press SETUP to exit the setup menu

6

Select < REAR CTRL >, and press enter to display the < REAR CTRL > submenu

A. Press ⇧⇩ to change your selection

B. Press ENTER to confirm

C.Press ⇧ to return to the setup menu

D.Press SETUP to exit the setup menu

6

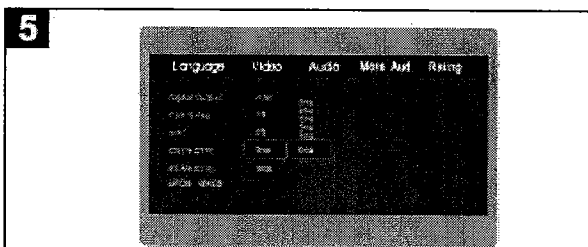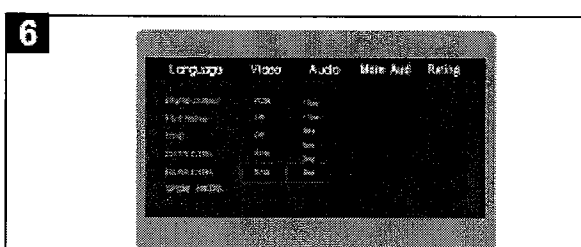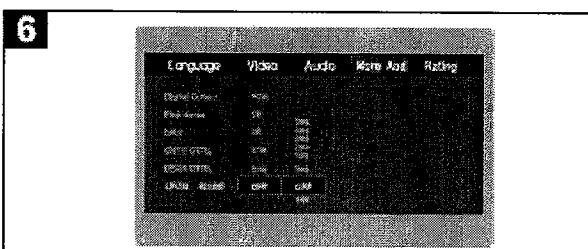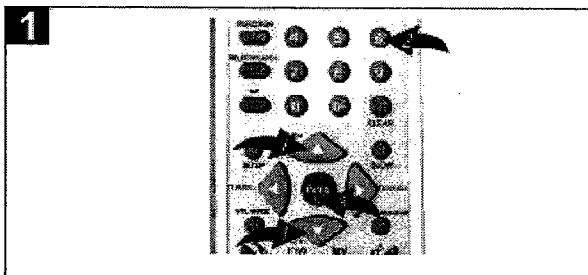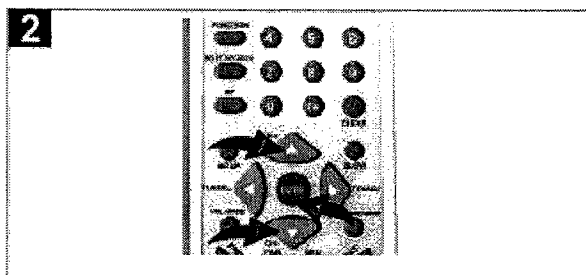Select off/on to select different sample Rate.

SETUP

Rating

The Parental option enables parents to prevent their children from watching inappropriate material on a DVD. It reads the ratings for programming, then denies access to programming if the programs rating meets the limitations you select. In this case, the user will have to enter a password.

1	**2**
If the Lock icon next to the Password option is unlocked, then you do not have to unlock this setting. If it is locked, then at the SYSTEM MENU, use the Navigation (▲,▼) buttons ❶ to select PASSWORD. Enter the password (Default is 8888) using the Number buttons❷ followed by the ENTER button❸; the Lock icon will then be unlocked.	At the SYSTEM MENU, use the Navigation (▲,▼) buttons ❶ to select LEVEL. Press the OK button ❷ repeatedly to select the desired rating. 1 (KIDSAFE): Kidsafe. 2 (G):　All ages. 3 (PG):　Parental Guidance. 4 (PG13):　Parental Guidance less than 13 years old. 5 (PGR):　Under 17 years old, Parental Guidance 　　　　suggested. 6 (R):　Under 17 years old, Parental Guidance strongly suggested. 7 (NC17):　17 years old and above. 8 (ADULT): Adult only.
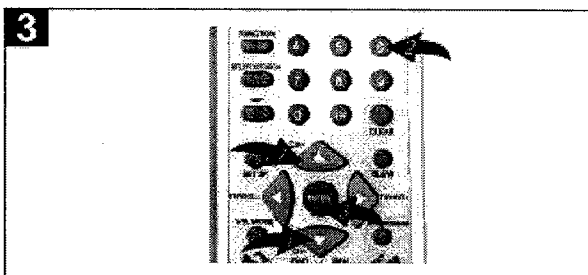
3	**4**
If desired, repeat step 1 to lock the Lock icon and not allow children to change the setting.	Press the SETUP button to exit.
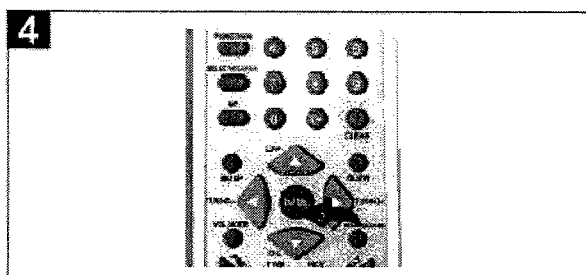
LOAD FACTORY
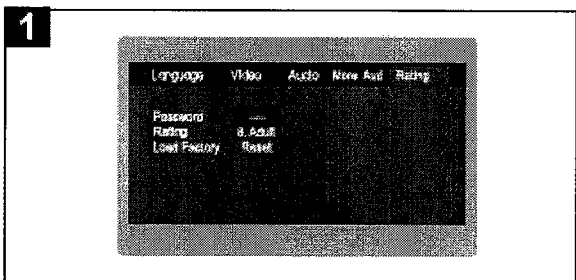
1	Select LOAD FACTORY in the SYSTEM MENU, then select RESET to reset the settings to the factory default settings.

AUDIO IN

1、Connect audio hub.
2、Press "Function" button to come into "Audio in" Speaker mode.

SPEAKER MODE

1、Press Speaker mode,TV screen will display Speaker A,then amplifier works in 2CH mode.

SPEAKER A

DVD

2、Press Speaker mode,TV screen will display Speaker B,then amplifier works under 5.1CH.

SPEAKER B

DVD

3、Press Speaker mode,TV screen will display Speaker A+B,then amplifier works under7.1CH.

SPEAXER A+B

DVD

Troubleshooting

Before requesting service for this player, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a adjustment on your part may eliminate the problem and restore proper operation.

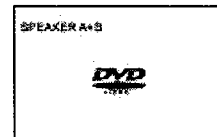| Symptom	Cause	Correction
No power.	• The power cord is disconnected.	• Plug the power cord securely into the wall outlet.
The power is on,but the DVD/CDreceiver doer not work.	• No disc is inserted.	• Insert a dics.(Check that the DVD or audio CD indicator in the DVD display is lit.
No picture.	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mod3e on the TV so the picture from the DVD/CD receiver appears on the TV screen.
	• The video cable is not connected securely.	• Connect the video cable into the jacks securely.
	• The connected TV power is turned off.	• Turn on the TV.
There is no sound or only a very low-level sound is heard.	• 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 hear the sound from the DVD/CD receiver.
	• 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 audio connecting cable is damaged.	• Replace it with new one.
The playback picture is poor.	• The disc is dirty.	• Clean the disc.
The DVD/CD receiver does not start playback.	• No disc is inserted.	• Insert a disc.(Check that the DVD, or audio CD indicator in the DVD display is lit.)
	• An unplayable disc is inserted.	• Insert a playable disc.(Check the disc type,colour system, and Regional code.)
	• The disc is placed upside down.	• Place the disc with the playback side down.
	• 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 th e menu screen.
	• The rating level is set.	• Cancel the Rating function or change the rating level.
Loud hum or noise is heard.	• The plugs and jacks are dirty.	• Wipe them with a cloth slightly moistened with alcohol.
	• The disc is dirty.	• Clean the disc.
	• The speakers and components are connected poorly.	• Connect the speakers and components securely.
	• The DVD/CD receiver is located too close to the TV.	• Move your TV away from the audio components.

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Troubleshooting(Cont·d)

Symptom	Cause	Correction
The remote control does not work properly.	The remote control is not pointed at the remote sensor of the DVD/CD receiver.	Point the remote control at the remote sens or of the DVD/CD receiver.
	The remote control is too far from the DVD/CD receiver.	Use the remote control within about 23ft(7m)
	There is an obstacle in the patch of the remote control and the DVD/CD receiver.	Remove the obstacle.
	The batteries in the remote control are flat.	Replace the batteries with new ones.
Some speakers have not output or sound	The speaker's wires are disconnected.	Reconnect the speaker's wires to speakers.
	The Surround Mode is set to 2 channels.	Enable all speakers output

Definition of terms

Angle

Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side,etc).With such discs,the ANGLE button can be used to view the scene from different angles.

Chapter number

These numbers are recorded on DVD discs. A title is sub-divided into many sections, each of which is numbered, and specific parts of video presentations can be searched quickly using these numbers.

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been obtained by means of digital signals.incorporation a new video compression technology (MPEG II) and high-density recording tech-nology,DVD enables esthetically pleasing full-motion video to be recorded over long periods of time (for instance,a whole movie can be recorded).

DVD has a structure consistion of two 0.6mm thin discs which are adhered to each other.since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2mm thick disc . since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration play.

Playback control(PBC)

This is recorded on a Video CD (version 2.0).The scenes or information to be viewed (or listened to)can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor.

Subtitles

This is the appearance of the dialogue at the botton of the screen which are prerecorded on some DVD discs.

Time number

This indicates the play time which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly.(It may not work with some discs.)

Title number

These numbers are recorded on DVD discs. When a disc contains two or more movies,these movies are numbered as title1,title2,etc.

Track number

These numbers are assigned to the tracks which are re-corded on Video Cds and Cds.They enable specific tracks to be located quickly.

Video CD

This contains recordings of pictures and sound whose quality is on a par with that of videotape.This player also supports Video Cds with playback control(version2.0).

Specifications

Power requirements: 110VAC~60Hz
Power consumption: 135W
Output power:15W X 7 speakers +30W subwoofer(RMS)

Signal system: NTSC/PAL
Weight: 3.0Kg
Dimensions: 430(L) X260W) X38(H)
      (Excluding protrusions)
Operation temperature range:
      -5 to +35 C
Operating humidity range:
      5 to 90%(no condensation)

Discs played:
  (1)DVD-VIDEO disc
    12 cm single-sided,single-layer
    12 cm single-sided,dual-layer
    12 cm double-sided,single-layer
    8 cm single-sided,single-layer
    8 cm single-sided,dual-layer
    8 cm double-sided,single-layer

  (2)Compact disc (VIDEO CD)
    12 cm disc
    8 cm disc

S-video output:
  Y output level: 1 Vp-p(75)
  C output level: 0.286 Vp-p(75)

Video output level: 1 Vp-p

Audio output level: 1.8Vrms (1 KHz,OdB)

Audio signal output characteristics:
DVD(linear audio):
  (1)Frequency response:
    20Hz-20KHz(48KHz sampling)
    20Hz-20KHz(96KHz sampling)
  (2)S/N ratio :65dB
  (3)Dynamic range:90dB
  (4)Wow and flutter:below measurable level
CD audio:
  (1)Frequency response:
    20Hz-20KHz
  (2)S/N ratio: >65dB
  (3)Dynamic range:>90dB
  (4)Wow and flutter:below measurable level

Pickup:Wave length: 655nm
    Laser power:CLASS 1
TUVER
    FM frequency range:87.5~108MHz
OUTPUT POWER:15W X 7 speakers+30W
      subwoofer(RMS)

Specifications are subject to change without notice.
Weight and dimensions are approximate.