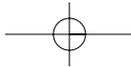
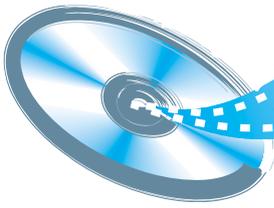
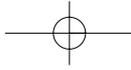


DIGITAL HOME THEATER SYSTEM HT-DM150

Instruction Manual





Safety Warnings

CLASS 1 LASER PRODUCT
 KLASSE 1 LASER PRODUKT
 LUOKAN 1 LASER LAITE
 KLAS 1 LASER APPARAT
 PRODUCTO LASER CLASE 1

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

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		

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



This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.



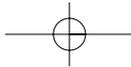
This symbol alerts you to important operating and maintenance instructions accompanying the unit.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

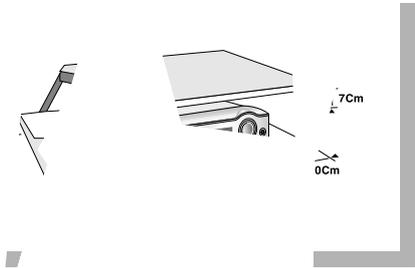
CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

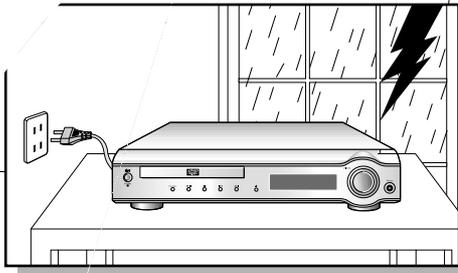
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.



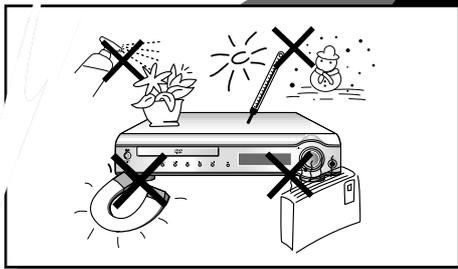
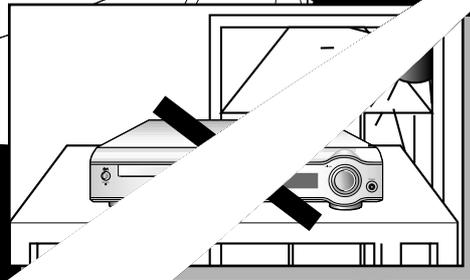
Precautions



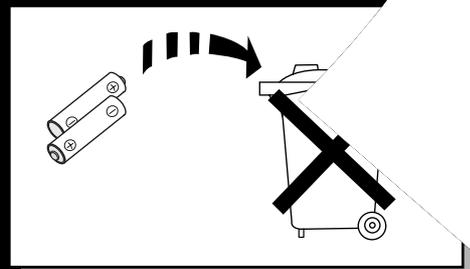
se complies with the identification sticker located on the back of your player. Install your player with enough space around it for ventilation (3-4inches). Make sure the ventilation slots are not blocked. Do not place the player on amplifiers or other equipment which may become hot. The player is empty. This player is designed for continuous use. Switching off the DVD player to the power supply. In the event of a power outage, the player will be left unusable.



During thunderstorms, disconnect the main plug from the socket. Main voltage peaks due to lightning could damage the player.



Protect the player from moisture (dripping or splashing and that containers filled with liquids, such as vases, shall be placed on the player), heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i.e. speakers). Disconnect the power cable from the mains electricity if the player malfunctions. Your player is not intended for use as a power source for domestic purposes. Condensation may occur if the player is left unused for long periods of time.





DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.



DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play. The Region Number for this player is given on the rear panel of the player. (Your DVD player will only play DVDs that are labeled with identical region codes.)

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM and DVD-ROM cannot be played on this player. If such discs are played, a "**WRONG DISC FORMAT**" message appears on the TV screen.
- DVD discs purchased abroad may not play on this player. If such discs are played, a "**WRONG REGION CODE**" message appears on the TV screen.

Copy Protection

- **Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.**
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.



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PREPARATION

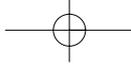
CONNECTIONS

OPERATION

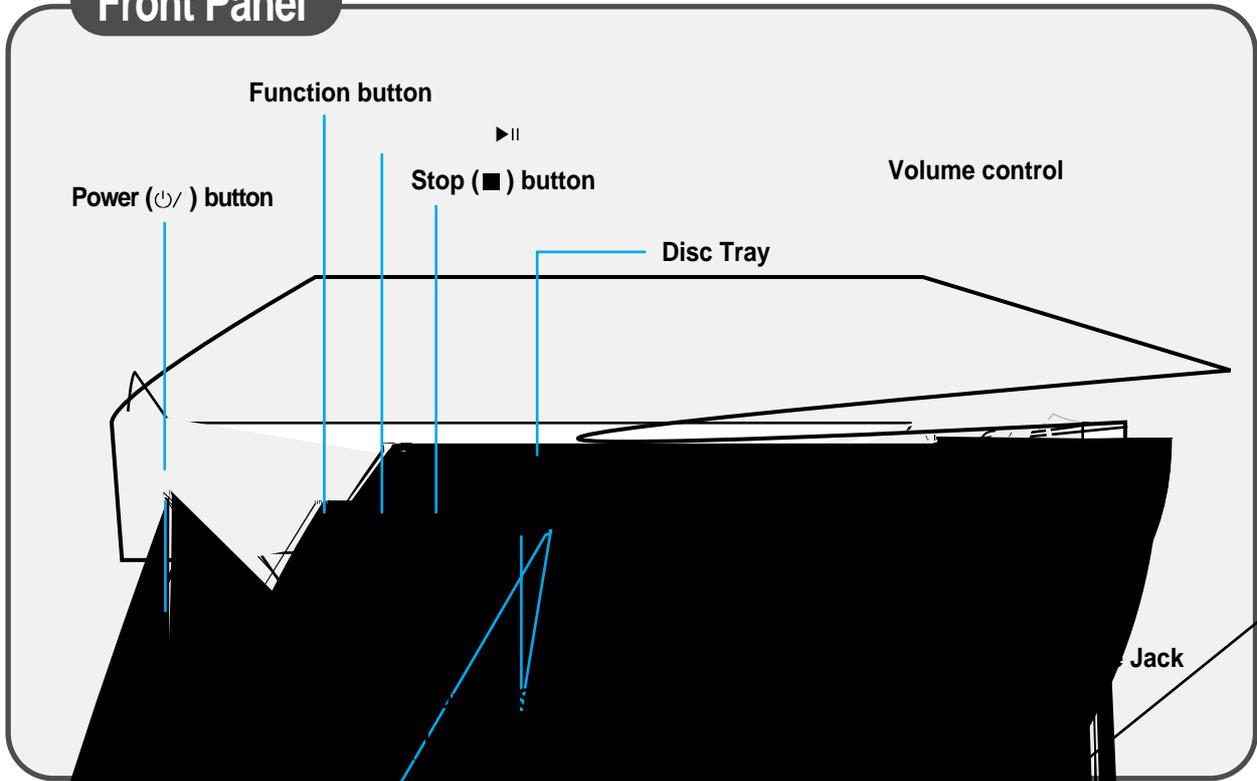
SETUP

RADIO OPERATION

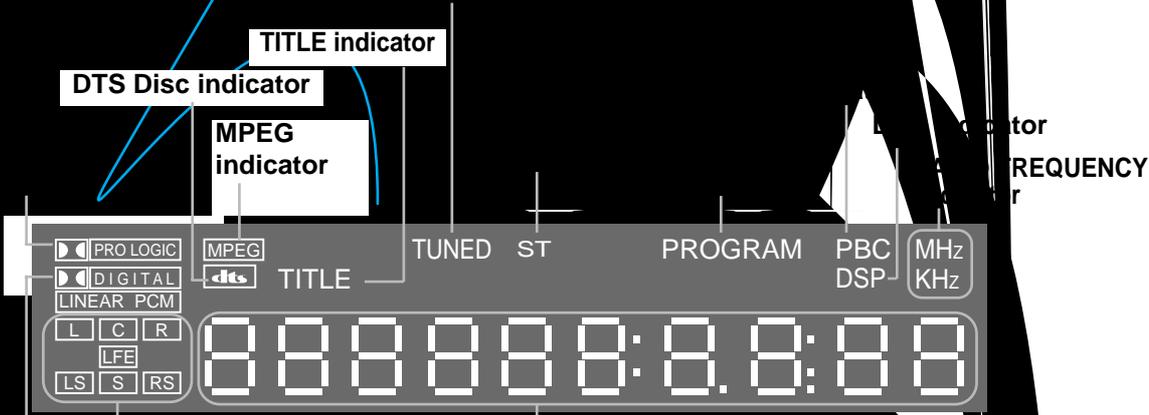
MISCELLANENOUS



Front Panel



Display



Rear Panel

External Video Component Input Connector

External Digital Component Input Connectors

Use these for connections to external equipment capable of digital output.

Video Output Connector

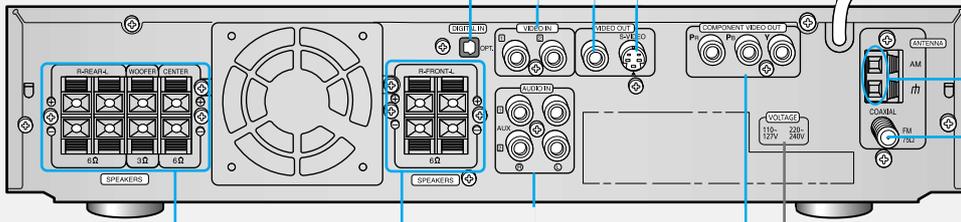
Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT connector.

S-Video Output Connector

If the TV is equipped with an S-Video input connector (S-VIDEO IN), connect it to the player's S-Video output jack.

AM Antenna Connector

FM Antenna Connector



5.1 Channel Speaker Output Terminals

External Audio Component Input Connector

Voltage Selector(option)

COMPONENT VIDEO OUTPUT/INPUT jacks

Connect a TV with component video input jacks to these jacks.

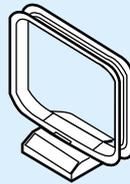
Accessories



Remote Control



Video/Audio Cable



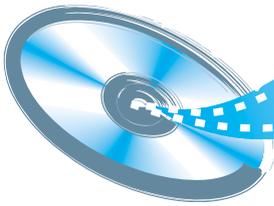
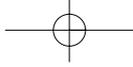
AM Antenna



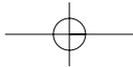
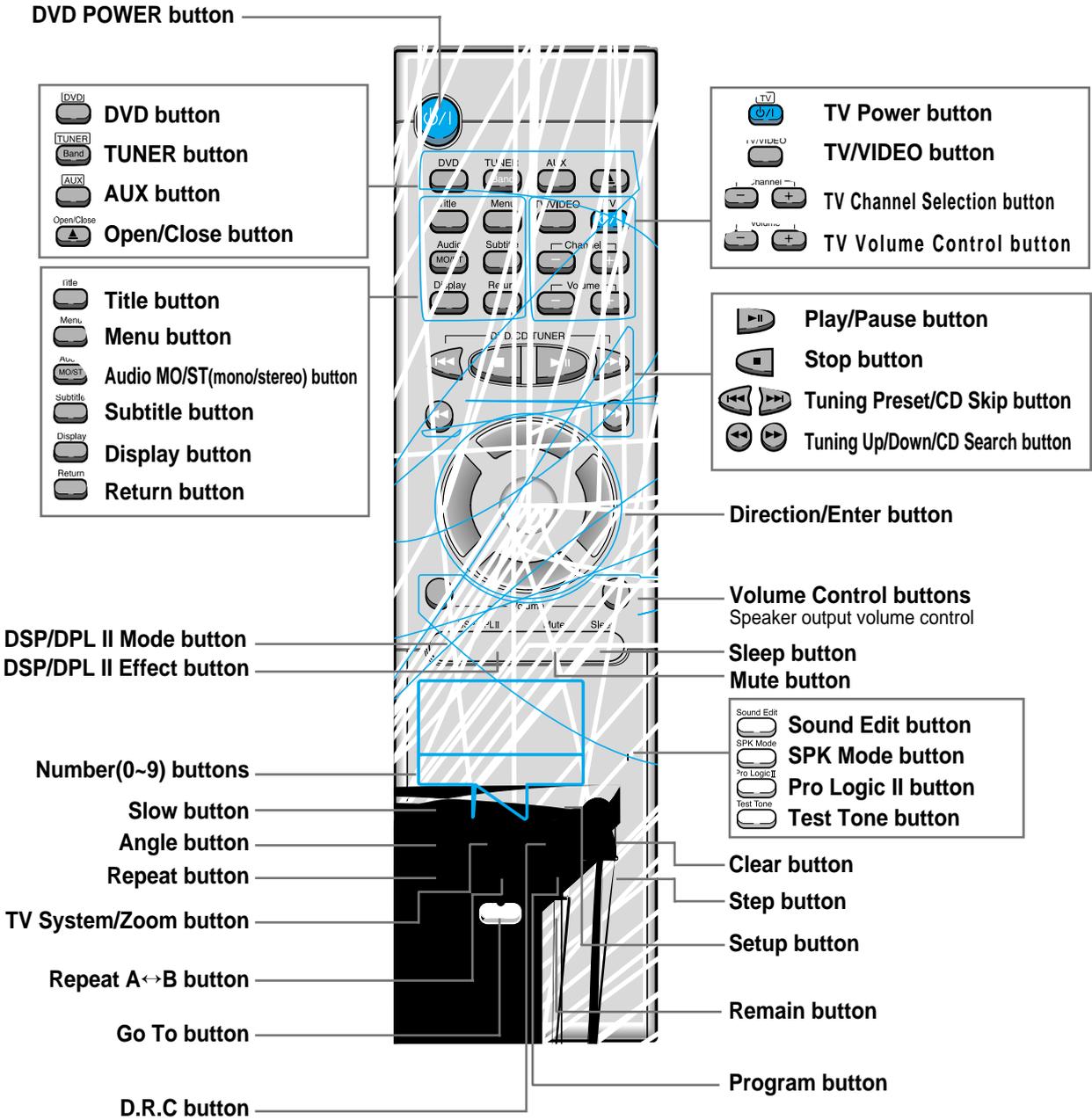
FM Antenna



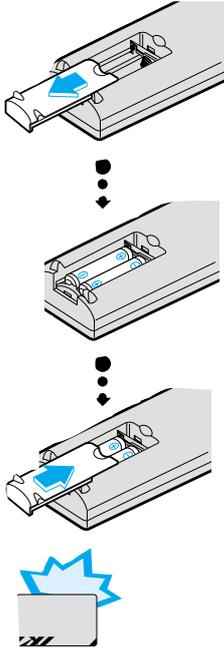
User's Manual



Remote Control Unit



Insert Remote Batteries



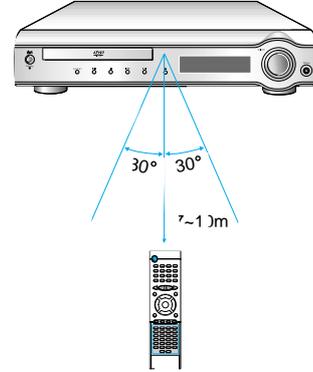
1 Remove the battery cover on the back of the remote by pressing down and sliding the cover in the direction of the arrow.

2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and -).

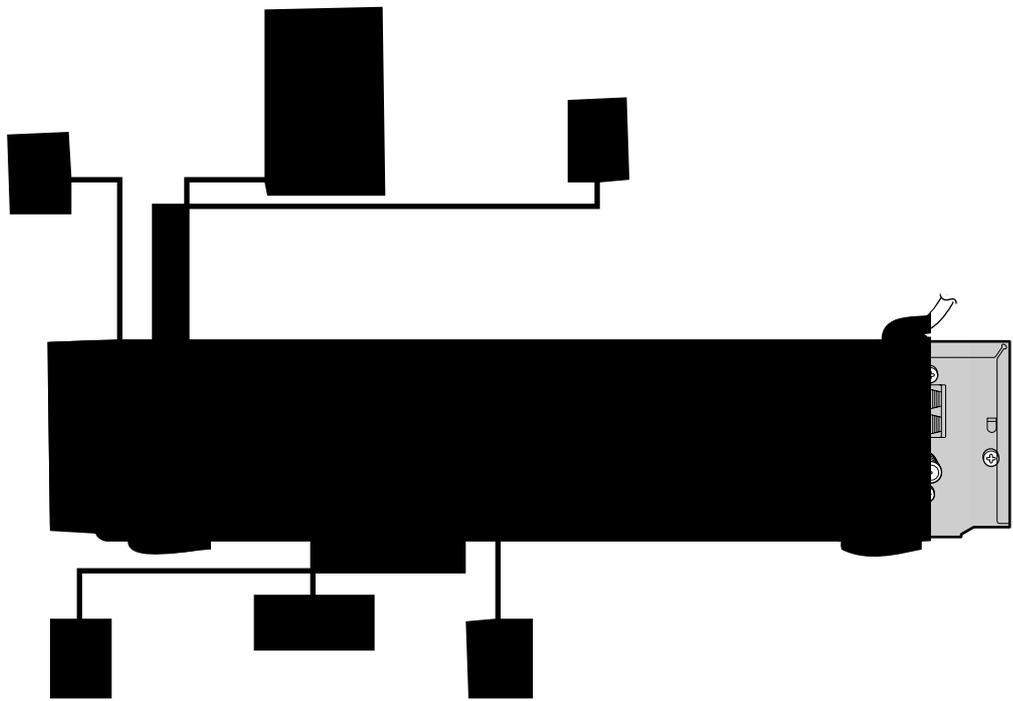
3 Replace the battery cover.

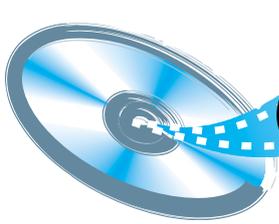
Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.

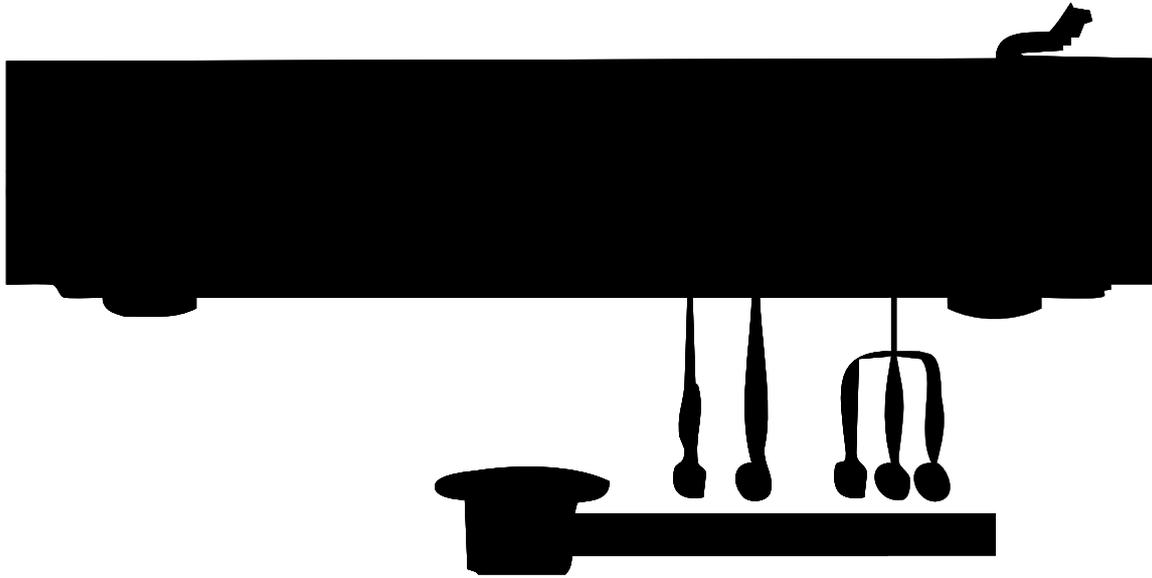


PREPARATION

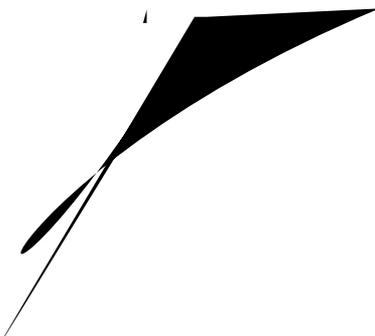


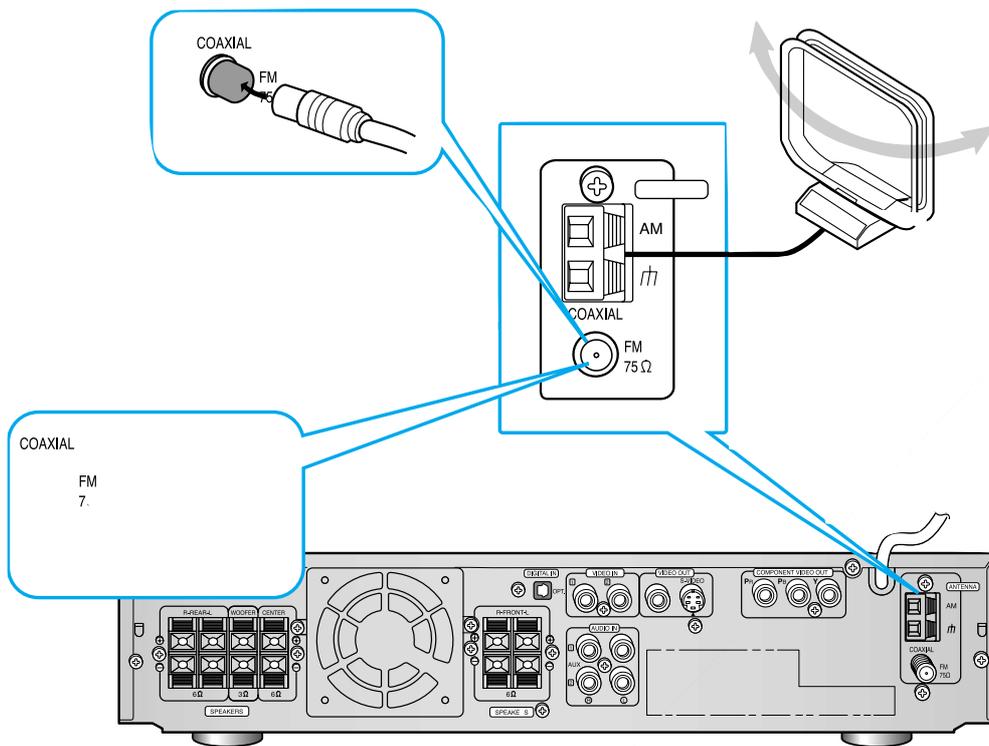


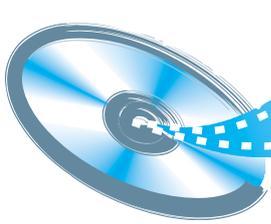
Connect Video to TV



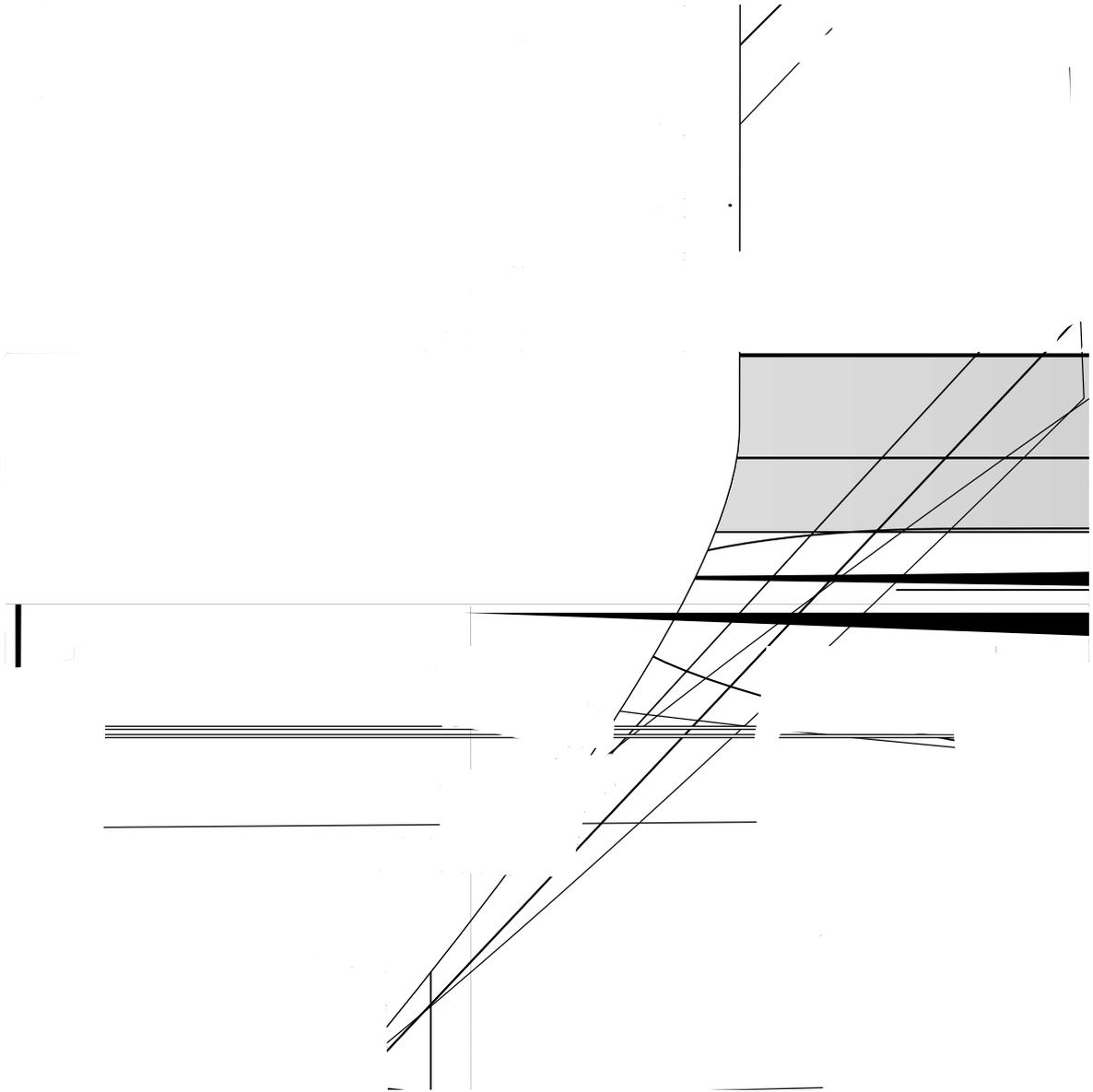
CONNECTIONS



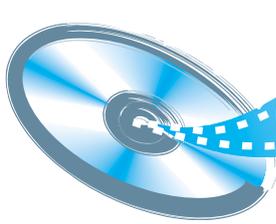




AUX Connections

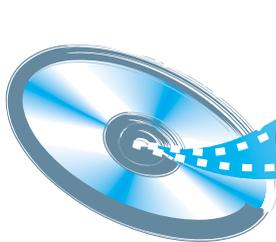


CONNECTIONS

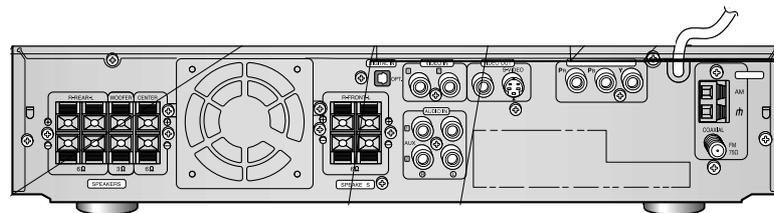


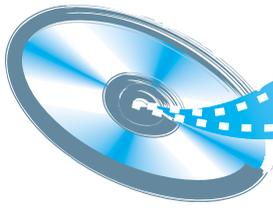
Controlling a TV with the Remote

You can use the remote control to operate other manufactures' TV.



Connecting your System to the Power Supply





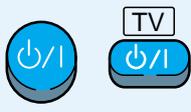
Before Using the DVD Player

Your DVD player is capable of playing DVD, VCD, and CD discs.

User instructions may vary depending on the type of disc. Read the instructions carefully before use.

1

Turn on the power to your DVD player and TV.



2

Select a video mode by pressing the TV/VIDEO button.



3

Press the DVD button to select the DVD input function.



Preparations before use

CONNECTIONS

Note

- The **"WAIT"** message that appears on the display for about 4~5 seconds when turning on the power or selecting a DVD function indicates a stabilization period for optimizing the condition of your DVD player. While the message is being displayed, other buttons remain inactive.
- When the power is not turned on, press down the **Stop** (■) button on the main unit for over 5 seconds.
The product will be initialized to its optimum state.
- As to some operational features such as the Speaker mode, Test tone, Volume, etc. your DVD player will not display their operation on the TV screen.

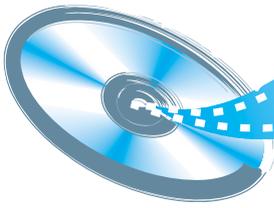
TV Broadcast System

- This device is designed to work with the **PAL** video format.
- For normal playback, the video format a DVD disc is recorded in must coincide with your TV's video format.

TV System Selection

Press the TV System button while in stop mode.

- Each time the TV System button is pressed, **"NTSC, PAL"** are selected in this order.
- Different countries use different types of TV broadcast systems, video, audio and channel systems.
Example : The player cannot playback PAL-encoded DVD with NTSC-TV.



DVD Playback

1

Press the **Open/Close** (▲) button to open the disc tray.



- The button is located only on the Front Panel of the player (not on the remote).

2

Insert a DVD disc.



- Place a disc gently into the tray with the disc's label facing up.

3

Press the **Open/Close** (▲) button again to close the disc tray.



- Playback starts automatically.

Pausing Playback



Press the **Play/Pause** (▶||) button during playback.

- To resume, press the Play/Pause (▶||) button again.

Note

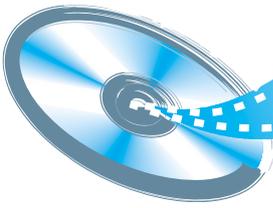
- Depending on the disc, the initial disc information screen may look different from disc to disc.
- When playing a DVD containing MPEG format, video may not be reproduced correctly and you may get picture distortion.

Stopping Playback



Press the **Stop** (■) button during playback.

- During playback, when the Stop (■) button is pressed, the position is stored in the memory, and ▶■ STOP is shown on the display. When the Play/Pause (▶||) button or Return button is pressed subsequently, playback resumes from the position at which it was stopped.
- If the Stop (■) button is pressed a second time, the 'resume play' memory function is canceled, and ■ STOP is shown on the display. When the Play/Pause (▶||) button is pressed, playback starts from the beginning.



MP3-CD Playback

This system has a built-in MP3 decoder.

You can play back MP3 tracks (files) recorded on CD-Rs, CD-RWs, and CD-ROMs.

Starting Playback

- It is recommended you turn on your TV when playing back an MP3-CD.

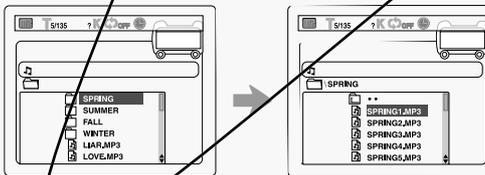
1

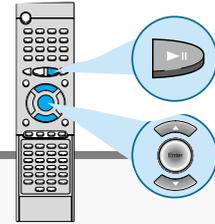
Press the **Open/Close** () button to load a disc.

2

Press the **Play/Pause** () button.

- After detecting the disc, playback starts.
- The on-screen bar and the contents recorded on the MP3-CD will be shown on the TV if it is turned on.



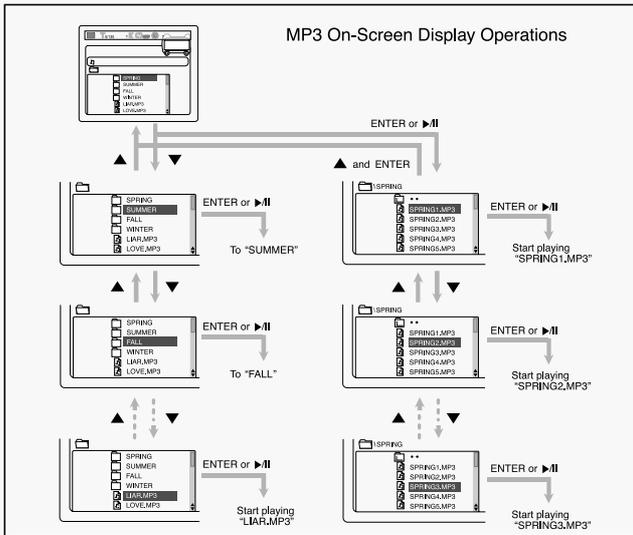


Operations Using the On-Screen Display

Turn on your TV when playing back an MP3 disc.

When the loaded MP3 disc is recognized, the following on-screen display appears on the TV screen. (The contents of this on-screen display vary according to the disc — the way MP3 tracks were recorded on the disc.)

Button	To do
ENTER, ►	Start playback or go into a directory.
▲/▼	Select a track or directory.



OPERATION

Repeating Playback

On an MP3 disc, Repeat A↔B cannot be used. You can enjoy only repeat play.

Press the Repeat button.

The indication corresponding to the selected mode appears on the TV screen.

- Each time you press the button, repeat mode changes as follows:



REPEAT:RANDOM

: All tracks recorded on the disc will be played once in random order.

REPEAT:ONE

: Current track will be repeated.

REPEAT:DIR

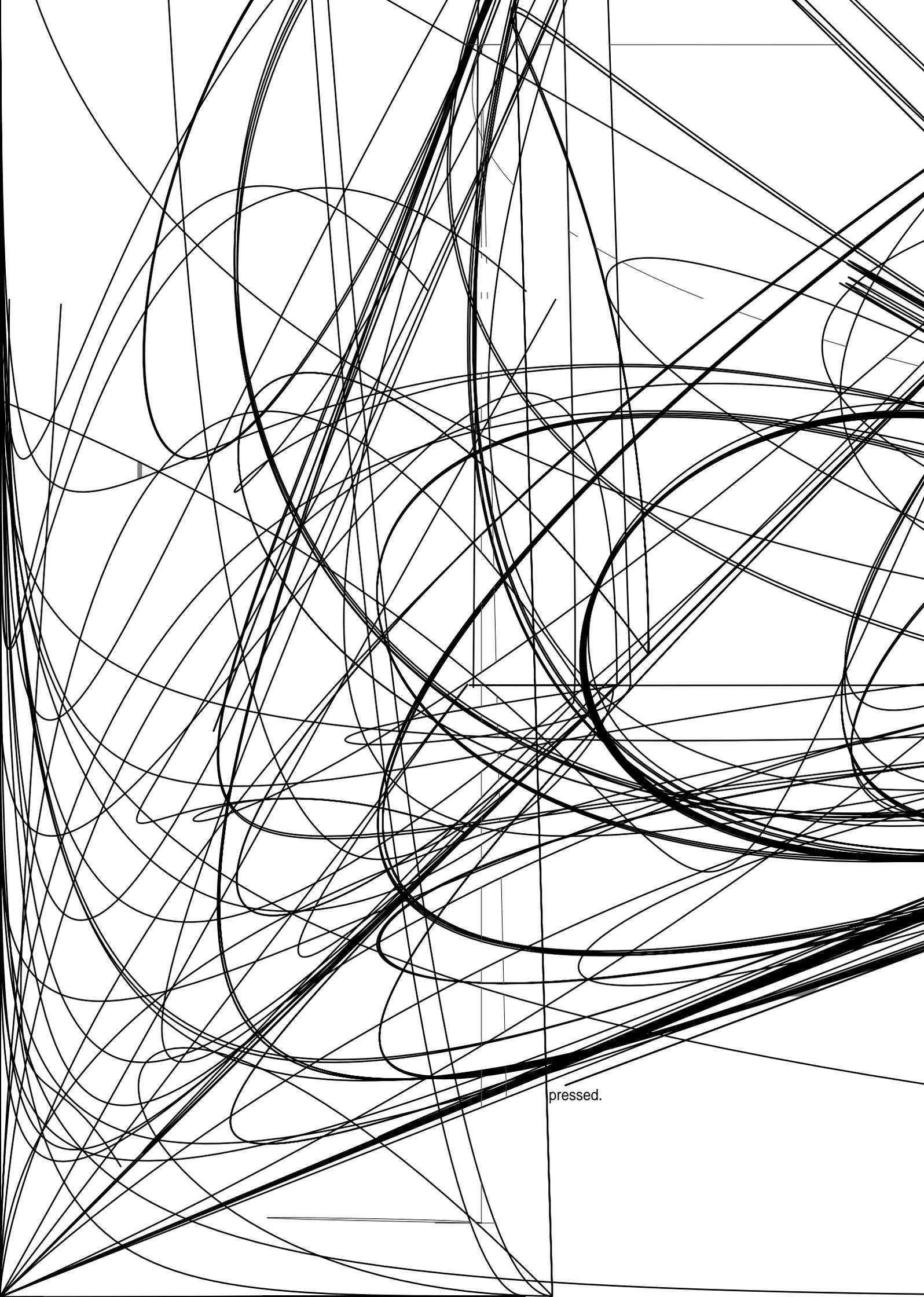
: Tracks in the current directory will be repeated.

REPEAT:DISC

: All tracks on the disc will be repeated.

REPEAT OFF

: Repeat play is canceled.(Normal play is resumed.)



pressed.

Slow Playback/Checking the Remaining Time

Playing Slowly

Press the **Slow** button.

Each time the Slow button is pressed

DVD

- ▶ SLOW 1/2
- ▶ SLOW 1/4
- ▶ PLAY

VCD The slow playback speed changes and the selections (1/2X, 1/4X, 1/8X, 1/16X and normal play) are repeated.

OPERATION

Checking the Remaining Time

Press the **Remain** button.

- For checking check the total time and the remaining time of a title or chapter being played.

Each time the Remain button is pressed

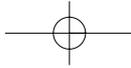
DVD

- TITLE TIME
- REMAIN TIME : TITLE
- CHAPTER TIME
- REMAIN TIME : CHAPTER

VCD CD

- TRACK TIME
- REMAIN TIME : TRACK
- DISC TIME
- REMAIN TIME : DISC

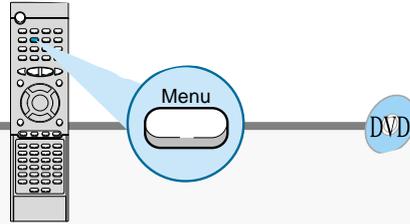




Using Disc Menu/Title

To Select the Disc Menu

You can use the menus for the audio language, subtitle language, profile, etc. DVD menu contents differ from disc to disc.



1

Press the **Menu** button during playback.

2

Use the **Up/Down** (▲ / ▼) or **Left/Right** (◀ / ▶) button to access the different features.

3

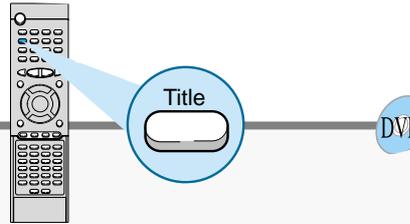
Press the **Enter** button.

- The Menu Screen appears.
- When playing a VCD version 2.0, you can operate it using PBC On/Off function.

- The selected item will play.

Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie. Depending on the disc, this function may either not work at all, or may work differently.



To move directly to a title, chapter or time

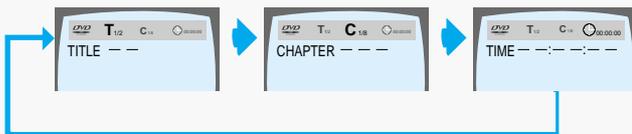
1

Press the **Go To** button.

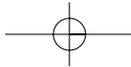
2

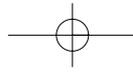
Press Number(0~9) button or the **Left/Right** (◀ / ▶) button.

- Each time the button is pressed, it repeats as shown below.



- Each time the buttons are pressed the desired scene is located and then played.
- Depending on the disc, the Title function may not work.

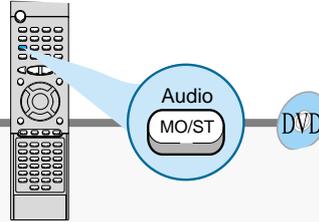




Selecting the Audio Language/Subtitle Language

Selecting the Audio Language

Press the Audio button.



- Depending on the number of languages recorded on a DVD disc, a different audio language (ENGLISH, SPANISH, FRENCH, etc.) is selected each time the button is pressed.

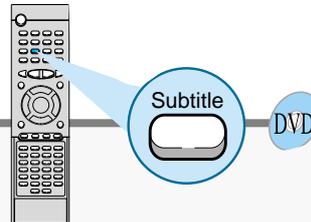


Note

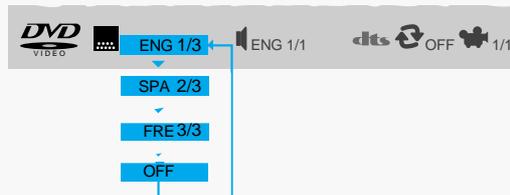
- Depending on the disc, DTS or DIGITAL PRO LOGIC can be selected.

Selecting the Subtitle Language

Press the Subtitle button.

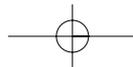


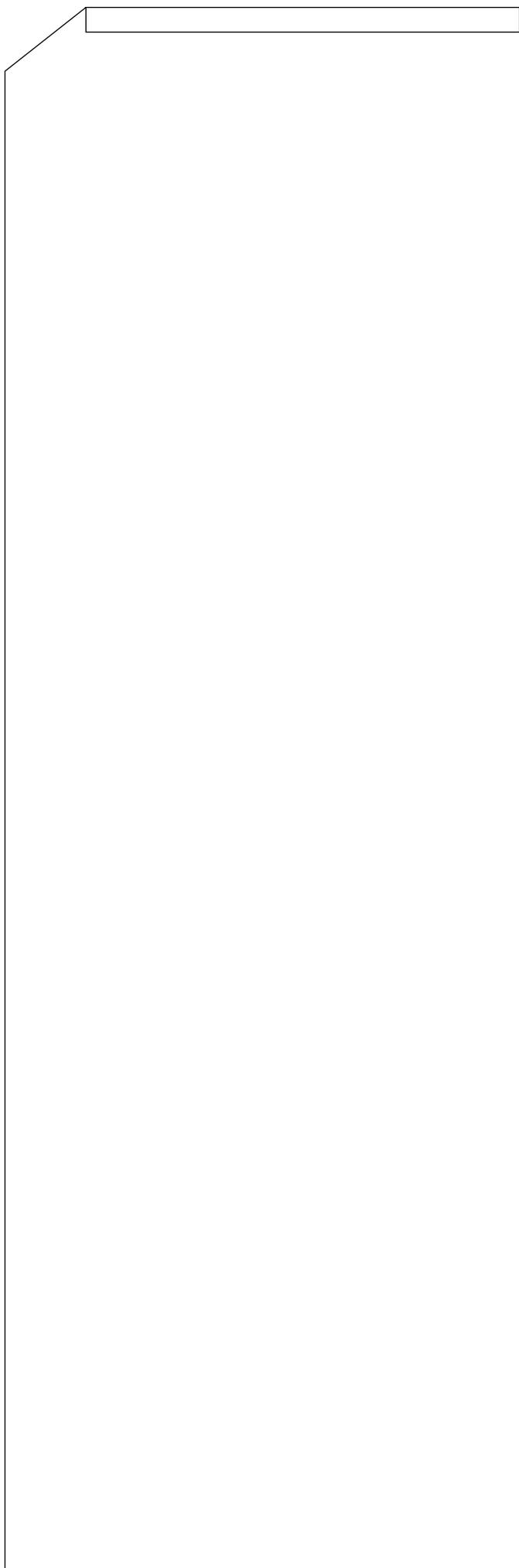
- Depending on the number of languages recorded on a DVD disc, a different subtitle language (ENGLISH, SPANISH, FRENCH etc.) is selected each time the button is pressed.
- To make the subtitles disappear, select "OFF".

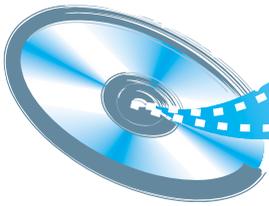
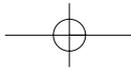


Note

- If the word $\text{\textcircled{X}}$ INVALID appears on the TV screen while buttons are being operated, that operation is not possible with that particular disc.
- Depending on the disc, the audio or subtitle language function may not work.



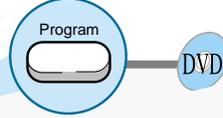




Program Playback

Use this function with video and music CDs to play the tracks in a particular order.

To Program Tracks in a particular order



1

Press the **Program** button.

2

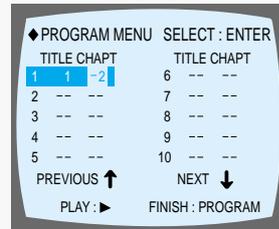
Press the **Enter** button then use the Number buttons to select the desired title.

3

Press the **Enter** button, then use the Number buttons to select the desired chapter.

• You can use also just the **Up/Down/Left/Right/Left/Right** (◀/▶/▲/▼) button.

• You can use also just the **Up/Down/Left/Right**(◀/▶/▲/▼) button.



4

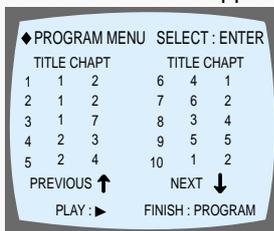
Press the **Enter** button.

5

At this time, you can continue programming if you want to.

• The selected track number is programming and the cursor moves to the next number.

• When programming more than 10 tracks, select **EXT ↓** and then press the **Enter** button. The program selection screen where you can program up to 10 additional tracks appears.



To Playback the Tracks in the Programmed Order



Press the **Play/Pause** (▶||) button.

To Cancel the Programming

••• Press either the **Program** button or **Stop** (■) button.



To Change the Program

1

Press the **Up/Down** (▲/▼) button to select the track number to be changed.

2

3

- The cursor moves to the next number when the **Enter** button is pressed again.

4

Press the **Enter** button.

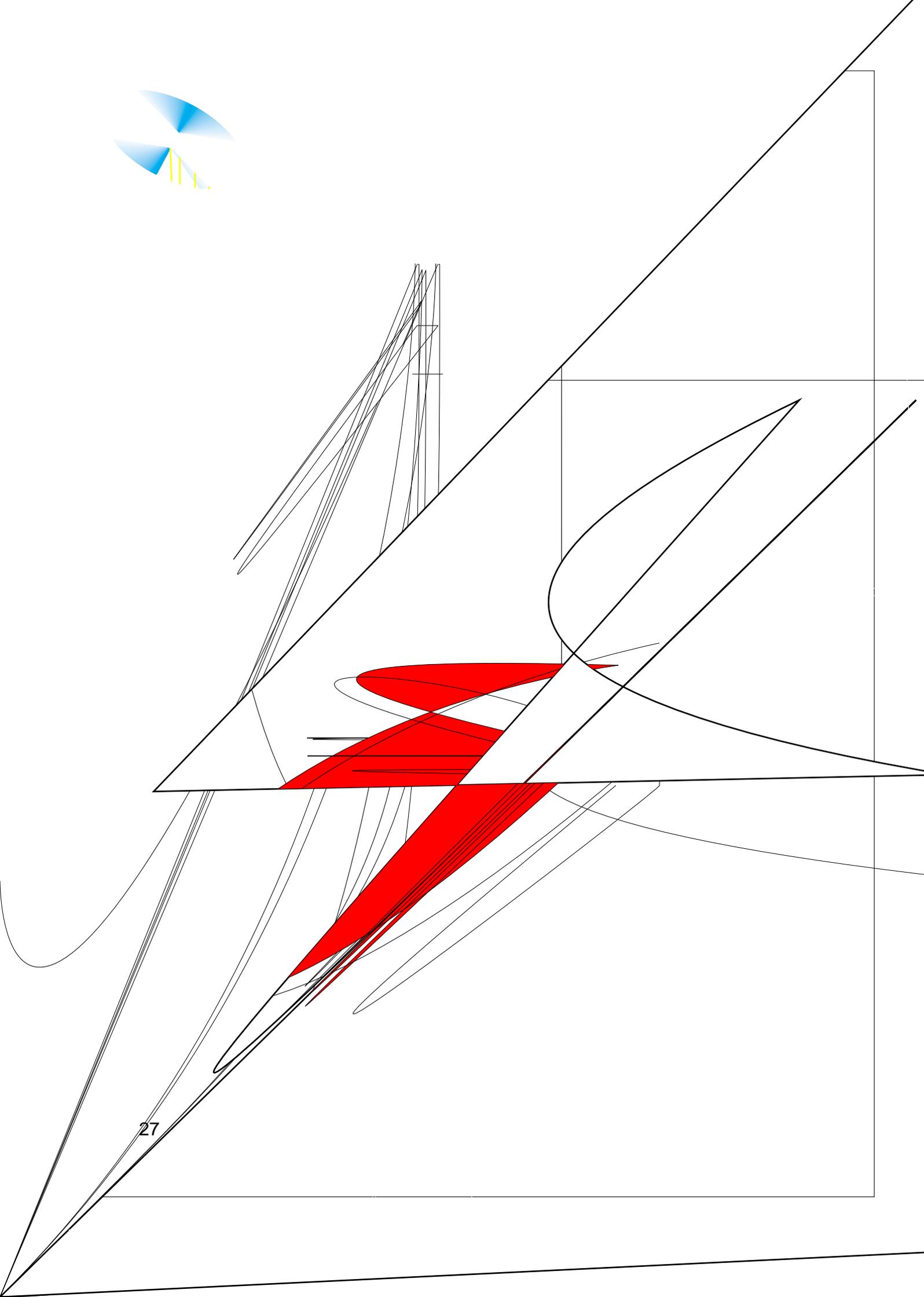
5

Repeat steps 1-4 above to change the program.

- The cursor moves to the number below.

- Press the **Stop** () button twice during playback.
- Press the **Stop** () button once when in the Stop mode.
- Press the **Open/Close** () button on the main unit.
The disc tray will open and then close. The program will then be deleted.

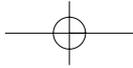
You can program or change particular tracks for VCD or CD discs in the same manner.





OPERATION

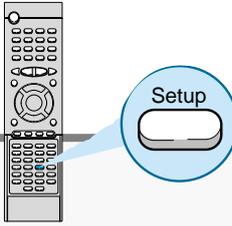
SETUP



System Setup

You can use the DVD player's Setup function to select the TV screen ratio, rating limit, or digital output mode.

To Set up the System

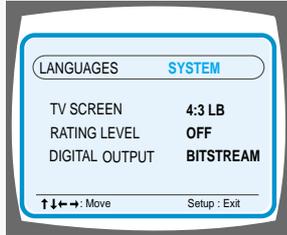



- 1**

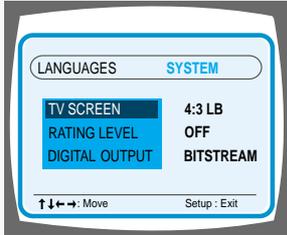
From the stop mode, press the **Setup** button.


- 2**

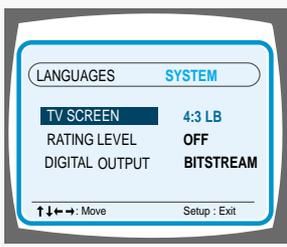
Press the **Left/Right** (◀ / ▶) button to select the system.


- 3**

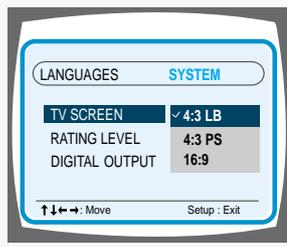
Press the **Up/Down** (▲ / ▼) button to select the desired item.


- 4**

Press the **Enter** button or **Right** (▶) button.


- 5**

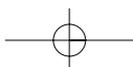
Press the **Up/Down** (▲ / ▼) button to select the desired sub-item and then press the **Enter** button.



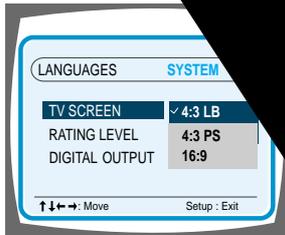
To End the System Setup



- Press the **Setup** button again.

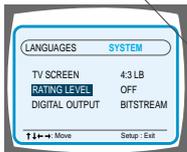


The
defin
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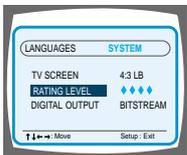


RATING LEVEL

The Rating Level function works in combination with a rating, to help control the types of DVD content that can be played.

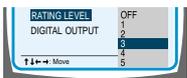


1. Select RATING LEVEL, then press the Enter button.



2. Use the number(0~9) buttons to input a 4-digit password.

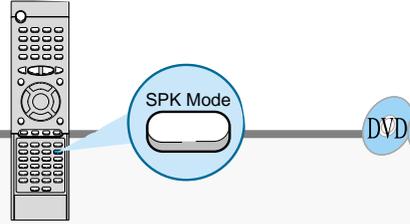
- The player's password is set to "7890" by default.



- There are up to 8 rating levels on a disc.
- If LEVEL 6 is selected, a disc which contains rating LEVEL 7 and above cannot be played.
- If you select NEW PASSWORD, the screen changes and enables you to enter the new password.

Speaker Setup

Setting up Speaker Mode and Delay Time



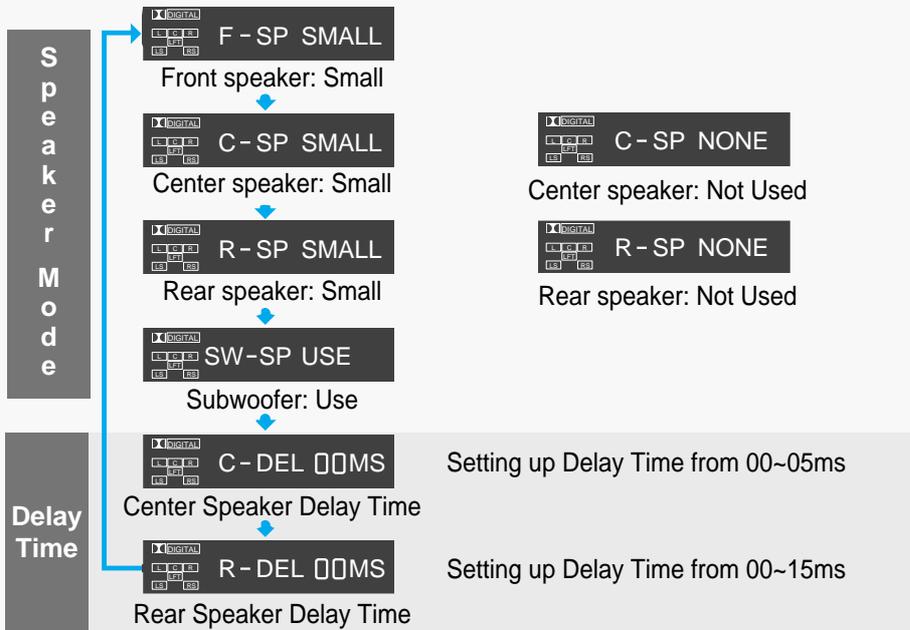
1

Press the SPK Mode button.

2

Press the **Left/Right** (◀ / ▶) button to select the desired item.

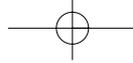
- Each time the button is pressed, a different mode selection is displayed on the front panel display as shown below.



- **SMALL:** When this setting is selected, low frequencies of below 200 Hz are assigned to the subwoofer only.
- **USE:** Select when using speakers.
- **NONE:** Select this when no speakers are installed.



The display changes depending on the current audio output mode (DSP, PRO LOGIC, 3-STEREO, STEREO, etc.).



Setting up the Speaker Delay Time

When 5.1CH Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same. Since the sounds arrive at the listening position at different times depending on the placement of speakers, you can adjust this difference by adding a delay effect to the sound of the Center Speaker and Surround Speakers.

• Setting CENTER SPEAKER

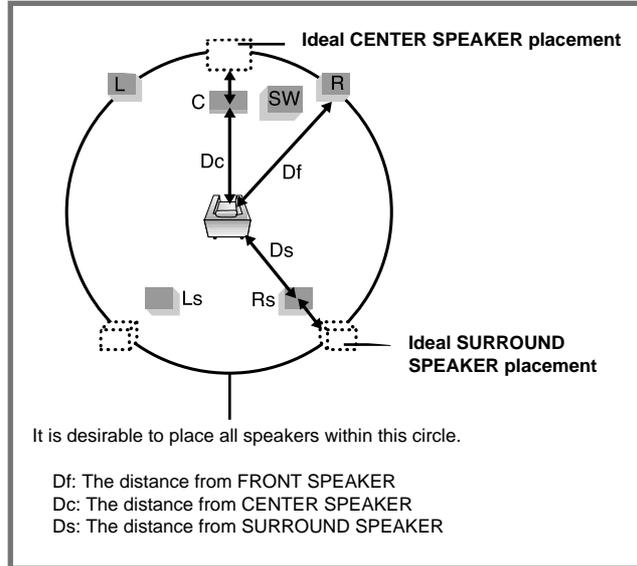
If the distance of D_c is equal to or longer than the distance of D_f in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between D_f and D_c	Delay Time
50	1.3 ms
100	2.6 ms
150	3.9 ms
200	5.3 ms

• Setting REAR (SURROUND) SPEAKERS

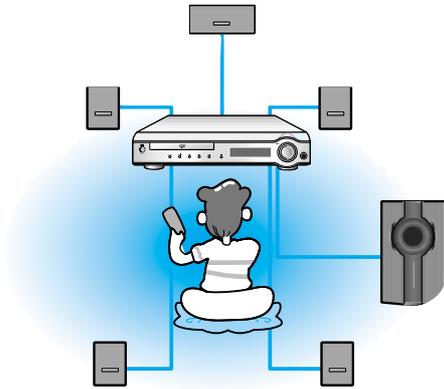
If the distance of D_f is equal to the distance of D_s in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between D_s and D_c	Delay Time
200	5.3 ms
400	10.6 ms
600	15.9 ms



Note Speaker delay time setting is a professional sound volume adjustment method for audio enthusiast. For home use, refer to "Setting up the Ideal Speaker Positions" below to install speakers in appropriate locations.

Ideal Speaker Placement



Front Speakers ● ● ●

Set the front speakers so that their tweeters (high-range) are aligned at about ear level and at a horizontal angle of 45° to the prime listening position.

Center Speaker ● ● ●

Ideally the center speaker should be positioned with its top surface flush with the front speakers. However, you may place the speaker either on top or near the bottom of your TV set.

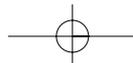
Rear Speakers ● ● ●

Set the rear speakers further back parallel to the walls, at 60 to 90 centimeters (2 to 3 feet) above prime listening position ear level.

If the space behind the listening position is insufficient (i.e., too close to the wall), place the rear speakers facing each other on either side.

Subwoofer Speaker ● ● ●

Place the subwoofer at any convenient location within the vicinity of the listening position.



To set up Speaker Balance

To set up Speaker Balance

1

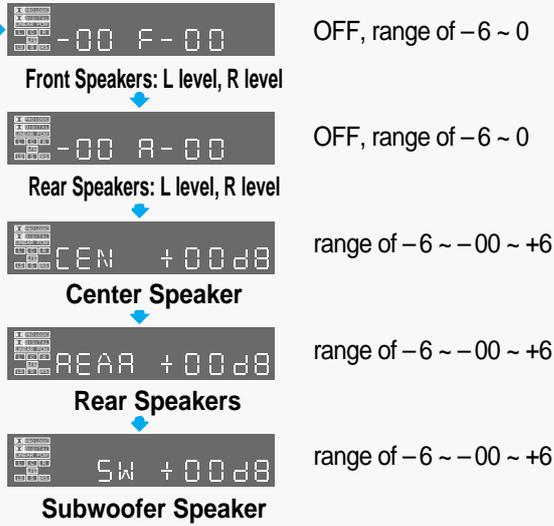
Press the **Sound Edit** button.

2

Use the **Left/Right** (◀ / ▶) button to make adjustment.

- Each time the button is pressed, the selection switches as shown below.

Example: 5.1CH Sound Setup



Note

The display changes depending on the current audio output mode (DSP, PRO LOGIC, 3-STEREO, STEREO, etc.).

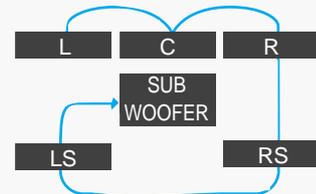
Speaker Setting Methods

Press the **Test Tone** button.

- The test signal will be sent to the Left Front → Center → Right Front → Right Rear → Left Rear → Subwoofer in that order.

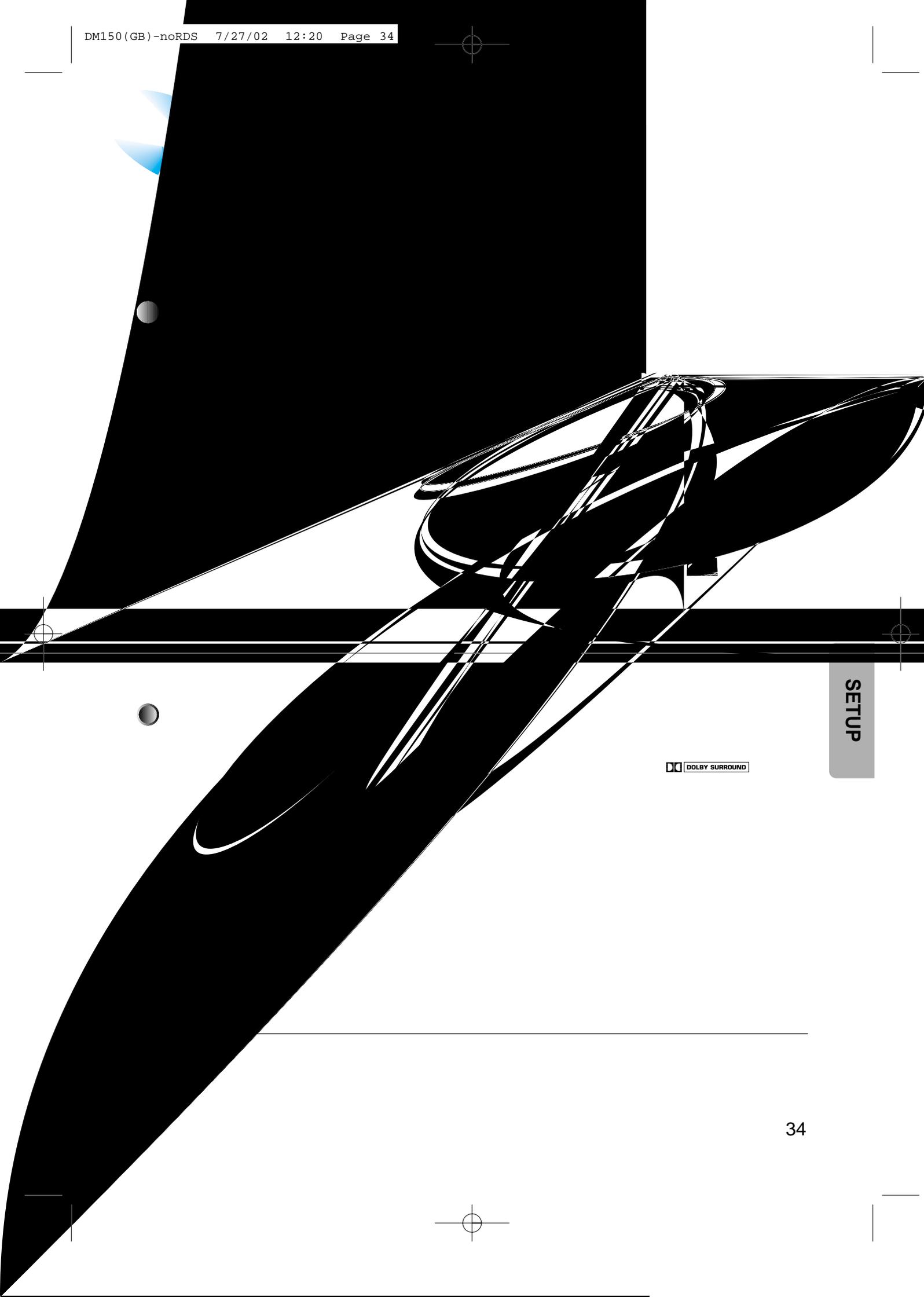
To End the Test Tone

- Press the **Test Tone** button again.



Note

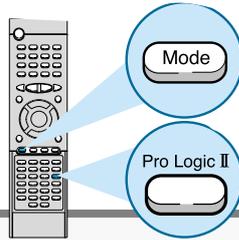
While in DSP or PRO LOGIC mode, TEST TONE may operate differently for VCDs or CDs.



SETUP

 DOLBY SURROUND

Dolby Pro Logic II decoder



DVD VCD CD

Dolby Pro Logic II

Dolby Pro Logic II is a new format for playing multichannel audio signals that offers improvements over conventional Dolby Pro Logic. It can be used to decode not only sources recorded in Dolby Surround, but also regular stereo sources into five channels (front left/right, center and surround left/right). In addition, various parameters can be set according to the type of source and the contents, so you can adjust the sound field with greater precision.

1

Press the **Function** button on the front panel to select the desired function.

- Select from FM → AM → DVD → DIGITAL IN → AUX 1 → AUX 2.

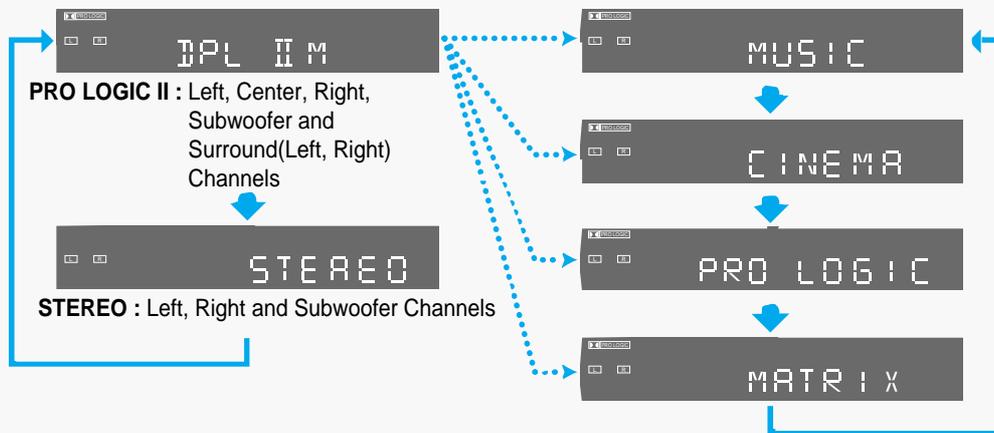
2

Press the **Pro Logic II** button.

3

Press the DSP/DPL II **Mode** button.

- Each time the **Pro Logic II** button is pressed.
- Each time the DSP/DPL II **Mode** button is pressed.



Pro Logic II Mode

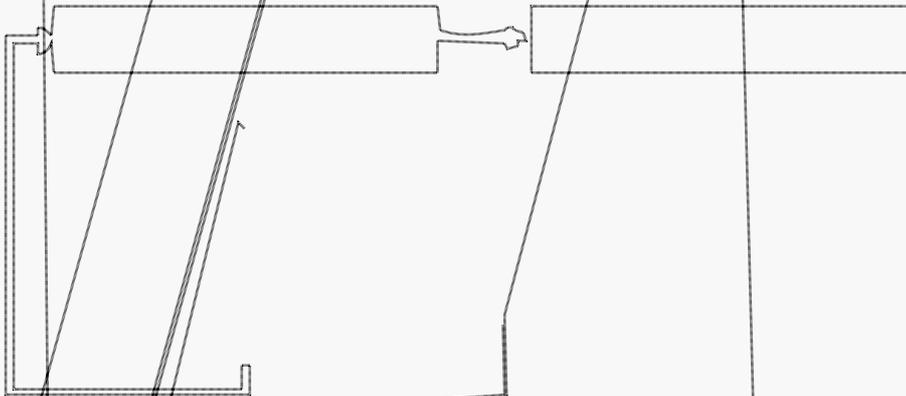
Select one of the modes ("MUSIC", "CINEMA", "PRO LOGIC" or "MATRIX").

- The Music mode is recommended when listening to CDs or watching DVDs with mostly musical content.
- The Cinema mode is best when watching movies.
- The Pro Logic mode offers the same surround processing as original Pro Logic and is best used when the source contents are not of optimum quality.
- The Matrix mode is useful for when the audio is mono.

Dolby Pro Logic II Effect Function



- Each time the DSP/DPL II **Effect** button is pressed.



- **Panorama Mode**

This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.

- **Center Width Control**

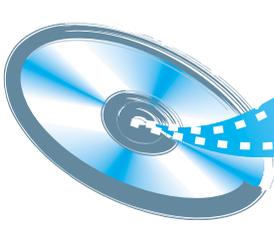
This control adjusts the center image so it may be heard only from the center speaker; only from the left/right speakers as a phantom image; or from all three front speakers to varying degrees.

- **Dimension Control**

This control gradually adjusts the soundfield either towards the front or towards the rear.

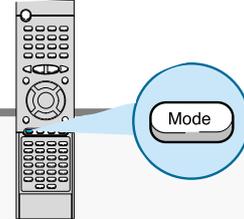
Note

- When playing a DVD encoded in two or more channels, DOLBY PRO LOGIC II mode cannot be selected.



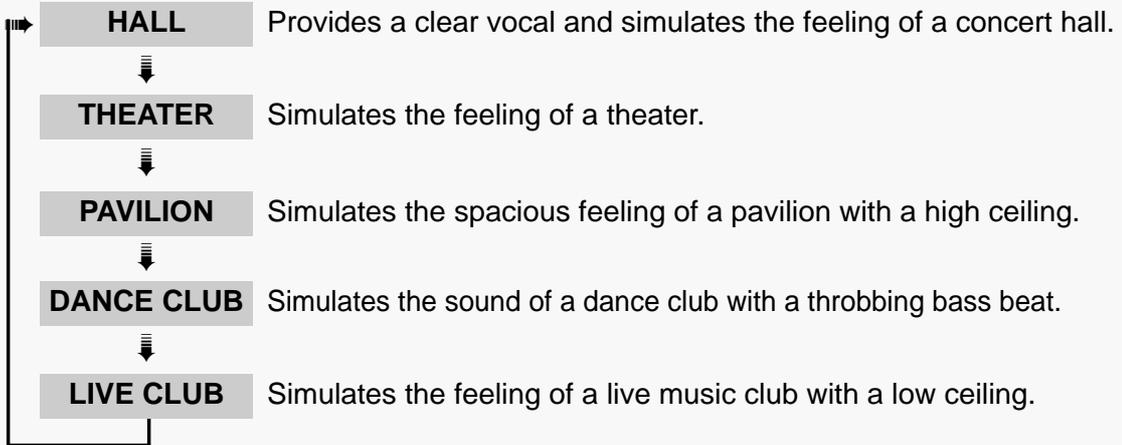
DSP (Digital Signal Processor) Modes

DSP modes have been designed to simulate different acoustic environments. The sound heard in a hall, theater, pavilion, dance club, or live club consists of direct and indirect sound—early reflections and reflections from behind. Direct sounds reach the listener directly without any reflection. Indirect sounds are delayed by the distance of the ceiling and walls. These indirect sounds are an important element of the acoustic surround effect.



Press the DSP/DPLII Mode button.

- This function works only in the STEREO Mode.
- The following DSP modes are provided with this unit:

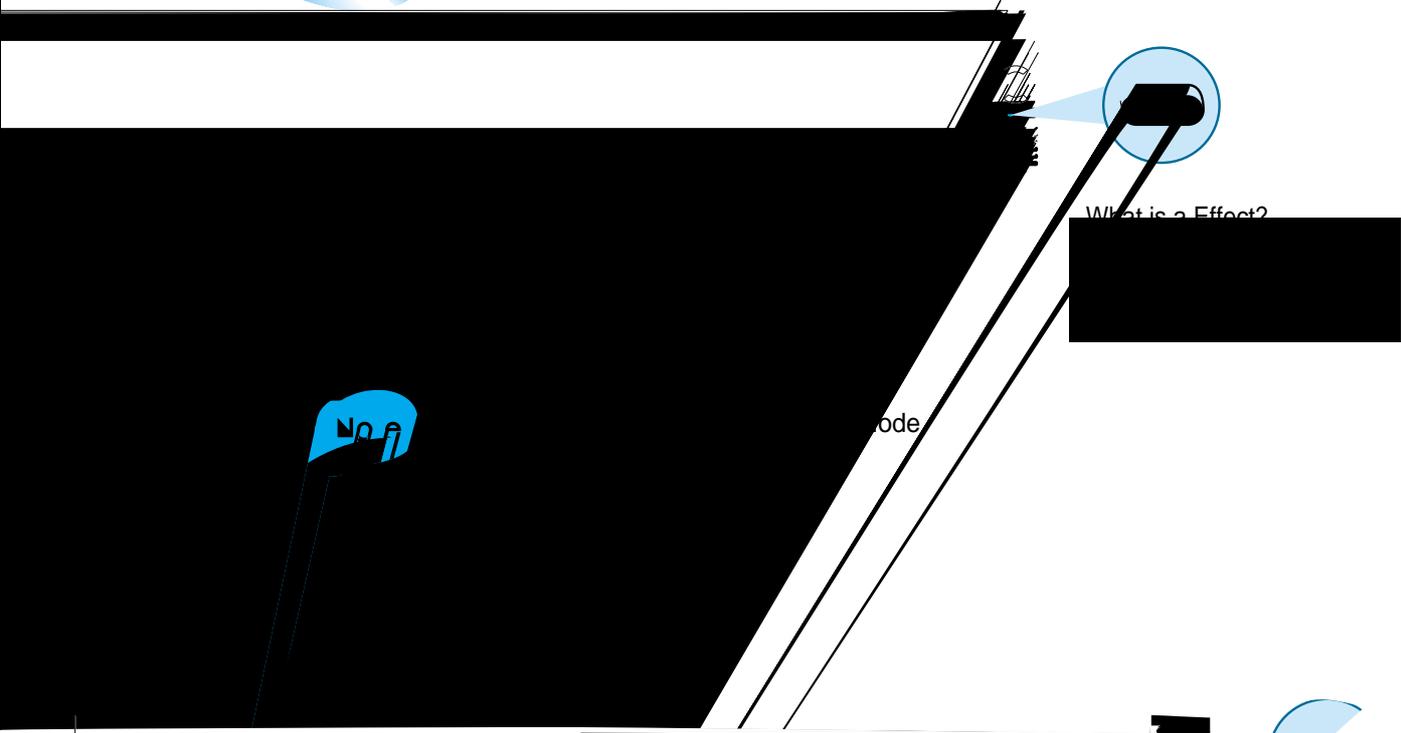
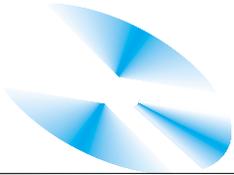
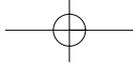


- These DSP modes can be used to add acoustic surround effects while reproducing stereo analog or linear PCM digital signals.
- When one of the DSP modes is selected, the DSP indicator lights up on the display.

DSP modes available according to the input signal format

O : Possible, X : Not possible

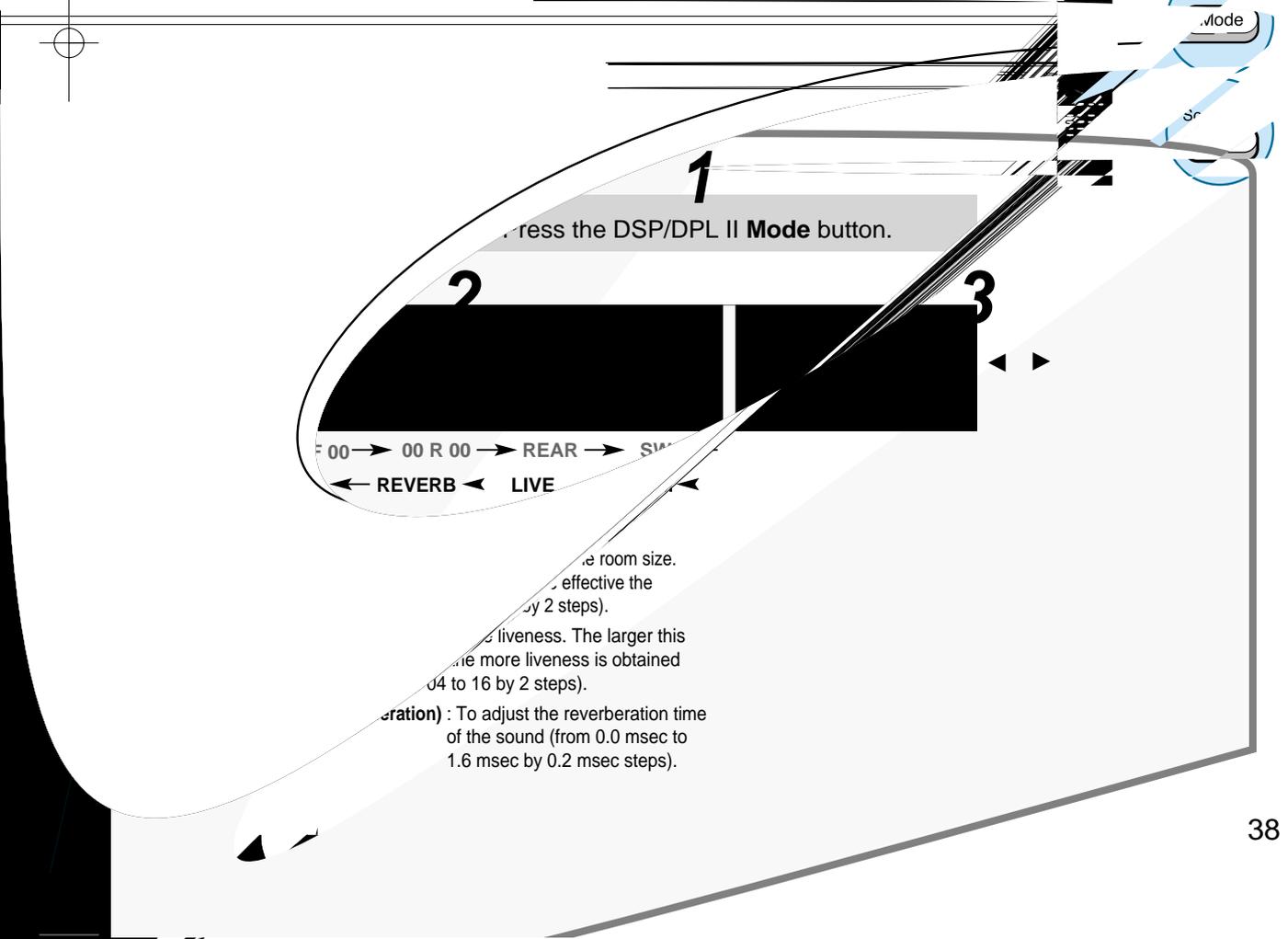
Surround	Multichannel Surround	DSP					(canceled)	
		HALL	THEATER	PAVILION	DANCE CLUB	LIVE CLUB	STEREO	
Input Signal format	Analog	X	O	O	O	O	O	O
	Linear PCM	X	O	O	O	O	O	O
	Dolby Digital	O	X	X	X	X	X	X
	DTS	O	X	X	X	X	X	X



What is a Effect?
[Redacted]

Mode

Mode

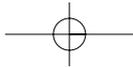


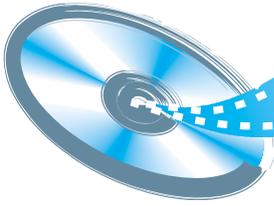
Press the DSP/DPL II Mode button.

FRONT → REAR → SURROUND → SW
← REVERB ← LIVE

...the room size.
...effective the
...by 2 steps).
...liveness. The larger this
...the more liveness is obtained
...04 to 16 by 2 steps).
...eration) : To adjust the reverberation time
of the sound (from 0.0 msec to
1.6 msec by 0.2 msec steps).

SETUP





Listening to the Radio

You can listen to the chosen band (FM, MW or LW broadcast stations) by using either the automatic tuning or manual tuning operation.

Remote
Control
Unit

1

Press the **Tuner(Band)** button.

- The selection toggles back and forth between "FM" "MW" and "LW" each time the **Tuner(Band)** button is pressed.

Auto Station 1

When the **◀◀▶▶** button is pressed, a preset broadcast station is selected.

Auto Station 2

Hold in the **◀◀▶▶** button. Automatic searching begins, and then stops when a station is tuned in.

Manual Station

Press the **◀◀▶▶** button to tune to the chosen station. The frequency changes incrementally in either direction each time the corresponding button is pressed.

2

Select a broadcast station.

Main
Unit

1

Press the **Function** button to select the desired band (FM, MW or LW).

Auto Station 1

Press the **Stop (■)** button to select the PRESET mode. Then press the **◀◀▶▶** button to select a station stored in the preset

Auto Station 2

Press the **Stop (■)** button to select the MANUAL mode on the front panel. Then hold in the **◀◀▶▶** button to make the unit begin automaticall searching for broadcast stations.

Manual Station

Press the **Stop (■)** button to select the MANUAL mode front panel. Press the **◀◀▶▶** button to tune to the desired station. The frequency changes incrementally in either direction each time the corresponding button is pressed.

2

Select a broadcast station.

To Listen in Mono/Stereo

Audio

MO/ST

Press the MO/ST button. (only FM)

- The selection toggles back and forth between "STEREO" and "MONO" each time the **MO/ST** button is pressed.
- In a poor reception areas, select Mono mode for a clear, interference-free broadcast.



Presetting stations

You can store up to:

- ◆ 15 FM stations
- ◆ 8 MW stations
- ◆ 7 LW(Option) stations
- **FM** Frequency Modulation
- **AM(MW)** Medium Wave
- **LW(Option)** Long Wave

Example: Presetting FM 89.1 in the memory

1

Press the **Tuner(Band)** button and select the FM band.

2

Select the MANUAL by pressing the **Stop (■)** button on the main unit.

3

Use the **◀▶** and **▶▶** button to tune into 89.1

- The selection toggles back and forth between "  FM  AM(MW)  LW(Option) " each time the **Tuner(Band)** button is pressed.



4

Press the **Program** button on the remote control, FM1 will flash. If you want to save 89.1 to FM1, press Program again.

5

If you want to save 89.1 to another preset location(FM2~FM15), press **◀◀** or **▶▶**, then press **Program** to save it to that location.

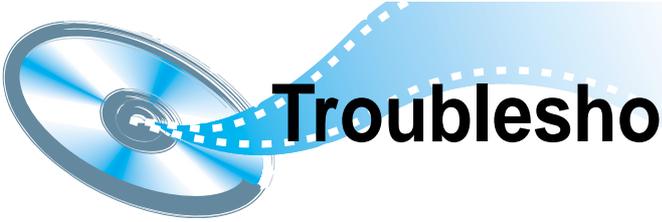
6

To preset other stations, follow steps 1~5 again.



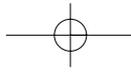
To tune in a preset station

See the previous page.



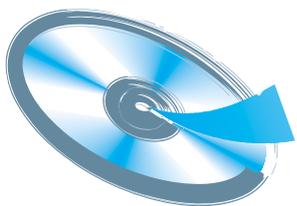
Troubleshooting

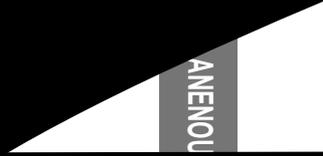
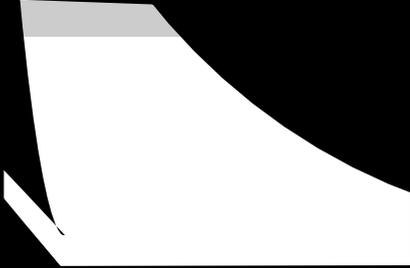
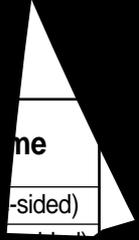
Problem	Check
The disc tray does not open.	<ul style="list-style-type: none"> • Is the disc installed with the label side facing up? • Is the power cord plugged securely into the power outlet? • Turn off the power to the unit by pressing the Power (⏻) button and turn it back on.
Disc does not play.	<ul style="list-style-type: none"> • Check the region number of the DVD. • DVD discs purchased abroad may not be playable. • This player cannot play CD-ROMs, DVD-ROMs, etc. • Check the rating level of the DVD.
Playback does not start immediately when the Play/Pause button is pressed.	<ul style="list-style-type: none"> • Check whether the disc has any scratch marks or is deformed?
No sound is produced.	<ul style="list-style-type: none"> • No sound is heard during high-speed playback, slow playback, and step motion playback modes. • Are the speakers properly connected? Is the speaker Setup correctly customized? • Is the disc severely damaged? The disc may be dirty. Wipe off fingerprints or dirt.
Sound can be heard only from a few speakers and not all six.	<ul style="list-style-type: none"> • When listening to a CD or radio, sound is output to the front speakers only (L/R). Select the "PRO LOGIC" option by pressing the Pro Logic button on the remote control unit to use all six speakers. • Check whether your DVD disc is 5.1 CH compatible.
Picture does not appear; sound is not produced; the disc tray opens 2-5 seconds later.	<ul style="list-style-type: none"> • Was the player moved suddenly from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player after the condensation disappears.)
Sound quality is irregular.	<ul style="list-style-type: none"> • Are the speaker cables loose? • Is there any dirt or debris at the end of the speaker connector?
Dolby Digital 5.1 Channel Surround Sound is not being reproduced.	<ul style="list-style-type: none"> • Does the disc being played show the "Dolby Digital 5.1CH" mark ? 5.1-channel sound is reproduced only if the disc is recorded with 5.1 channel sound. • Is the DVD player connected to the proper speakers?



Problem	Check
<ul style="list-style-type: none"> • The disc revolves but no picture appears. • Picture shows interference and quality is poor. 	<ul style="list-style-type: none"> • Is the TV power turned on? • Are the video cables properly connected? • Is it the player in PAUSE mode? • Is your TV's video format (NTSC/PAL) set correctly? Press the NTSC/PAL button once again to change the current selection. • Is there any dirt on the disc, or is the disc damaged? • It may not be possible to play some DVD discs due to poor manufacture. • When a dark scene changes to a bright scene during playback, the screen may flicker vertically. Some disturbance is normal.
<p>Remote control unit does not operate.</p>	<ul style="list-style-type: none"> • Is the remote control being used within the appropriate distance and angle of operation for the unit? • Are there any obstacles between the remote control unit and the remote control sensor? • Are the batteries dead? Is it time to replace the batteries with new ones?
<p>Audio or subtitle language does not operate.</p>	<ul style="list-style-type: none"> • The audio or subtitle language features does not operate with DVDs that do not include multiple audio or subtitle languages.
<p>The Menu button is pressed but the Menu screen does not appear.</p>	<ul style="list-style-type: none"> • Is the remote control being used within the appropriate distance and angle of operation for the unit? • Are the batteries dead? • Does the disc have a Menu?
<p>The screen ratio cannot be changed.</p>	<ul style="list-style-type: none"> • You can play 16:9 wide DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode or 4:3 PAN-SCAN mode; but 4:3 encoded DVDs only show in 4:3 ratio. Refer to the DVD disc jacket and then select the appropriate function.
<p>The desired radio station cannot be tuned in.</p>	<ul style="list-style-type: none"> • Is the antenna installed properly? • When the antenna's input signal is weak, install an external FM antenna in an area with good reception quality.
<p>The system is malfunctioning (the system does not work or no sound).</p>	<ul style="list-style-type: none"> • While the player is in the stop mode, hold the Stop (■) button down on the main unit for over 5 seconds. "INITIAL" appears on the display and all settings will return to the Factory Preset condition. The RESET function erases all settings; do not use this function unless necessary.



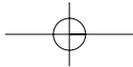
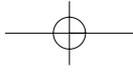


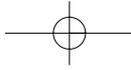




Specification

GENERAL	Power Consumption	120W		
	Weight	6.6Kg		
	Dimensions (W x H x D)	360mm x 76mm x 365mm		
	Operating Temperature Range	+5°C~+35°C		
	Operating Humidity Range	10%~75%		
FM TUNER	Usable Sensitivity	10dB		
	S/N Ratio	60dB		
	Distortion	0.5%		
AM TUNER	Usable Sensitivity	54dB		
	S/N Ratio	40dB		
	Distortion	2%		
VIDEO OUTPUT	Composite Video	1.0Vp-p(75Ω load)		
	Component Video	Y : 1.0Vp-p(75Ω load)		
		Pr : 0.7Vp-p(75Ω load)		
		Pb : 0.7Vp-p(75Ω load)		
	S-VIDEO	Luminance Signal: 1.0Vp-p(75Ω load)		
Color Signal: 0.286Vp-p(75Ω load)				
AMPLIFIER	Front speaker output	40W x 2(6Ω), Distortion 10%		
	Center speaker output	40W(6Ω), Distortion 10%		
	Rear speaker output	40W x 2(6Ω), Distortion 10%		
	Subwoofer speaker output	70W(3Ω), Distortion 10%		
	Frequency range	20Hz~25KHz		
	S/N Ratio	75dB		
	Channel separation	50dB		
	Input sensitivity	(AUX)500mV		
SPEAKER	Speaker system	5.1ch speaker system		
		Front/Center/Rear speaker	Subwoofer speaker	
	Impedance	6Ω x 5	3Ω	
	Frequency range	100Hz~18KHz	40Hz~200Hz	
	Output sound pressure level	87dB/W/M	86dB/W/M	
	Rated input	40W	70W	
	Maximum input	80W	140W	
	Dimensions (W x H x D)	Front/Rear	120mm x 186mm x 130mm	210mm x 367mm x 332mm
		Center	300mm x 139mm x 121mm	
	Weights	Front/Rear	0.8Kg	6.0Kg
Center		1.0Kg		





THIS APPLIANCE IS MANUFACTURED BY:



AH68-01141J

