



MP3-CD Playback

Data CDs (CD-R, CD-RW) encoded in MP3 format can be played.

Press the **1 OPEN/CLOSE** button to open the disc tray, and then load the MP3 disc.

- The MP3 menu screen will appear and playback will start.
- Depending on the MP3 disc, the appearance of the menu may be different.

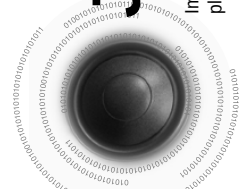


To change the album, use **3** to select another album in Stop mode, and then press the **ENTER** button.

- To select another album and track, repeat Steps 2 and 3 above.

Note

- Depending on the recording mode, some MP3-CDs may not play.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

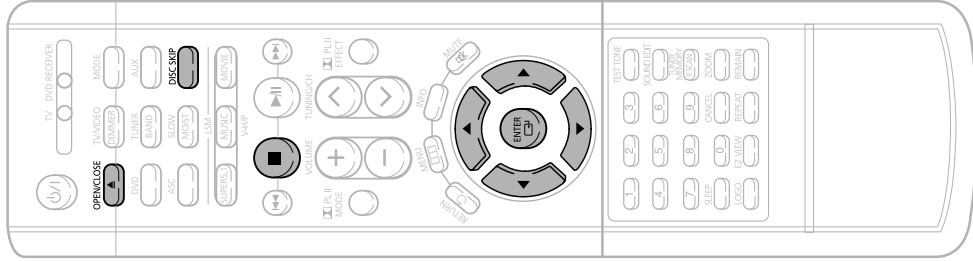


JPEG Disc Playback

Images captured with a digital camera or camcorder, or JPG files on a PC can be stored on a CD and then played back with this unit.

Press the **OPEN/CLOSE** button to open the disc tray, and then load the JPEG disc.

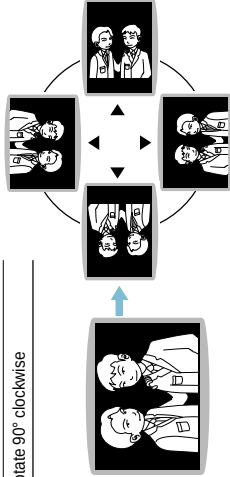
- Playback will start automatically and each image will show for 5 seconds before moving to the next image.

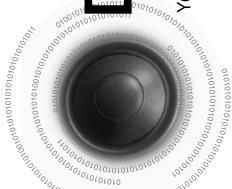


To rotate the image

During playback, press **▲▲▲▲**.

- | | |
|-----------------------|-------------------------------|
| ▲ Rotate vertically | ◀ Rotate 90° counterclockwise |
| ▼ Rotate horizontally | ▶ Rotate 90° clockwise |



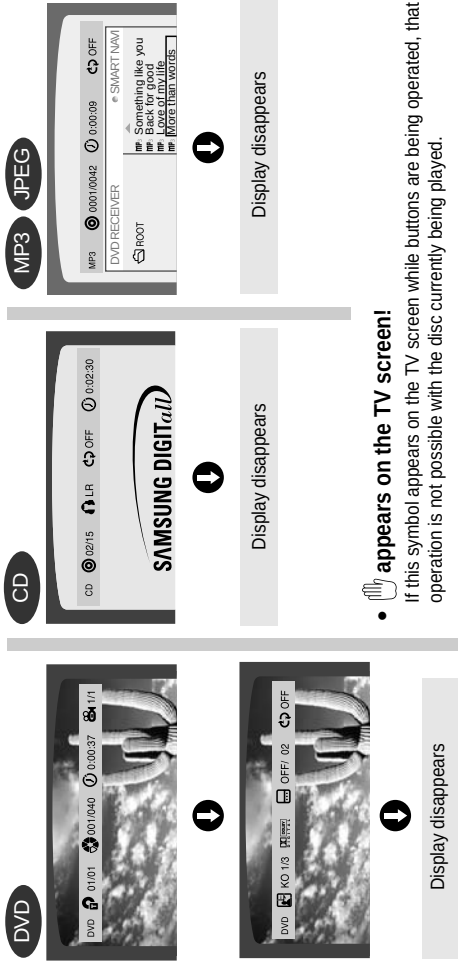


Displaying Disc Information

You can view disc playback information on the TV screen.

Press **INFO** button.

- Each time the button is pressed, the display changes as follows:



Note

- Depending on the disc, the disc information display may appear different.
- Depending on the disc, you can also select DTS, DOLBY DIGITAL, or PRO LOGIC.

Screen Display				
DVD	DVD display	CHAPTER display	AUDIO LANGUAGE display	LR STEREO (LR) display
CD	CD display	TRACK (FILE) display	SUBTITLE display	DOLBY DIGITAL display
MP3	MP3 CD display	ELAPSED TIME display	ANGLE display	REPEAT PLAYBACK display
DVD-AUDIO	DVD-AUDIO display	TITLE display	GROUP display	

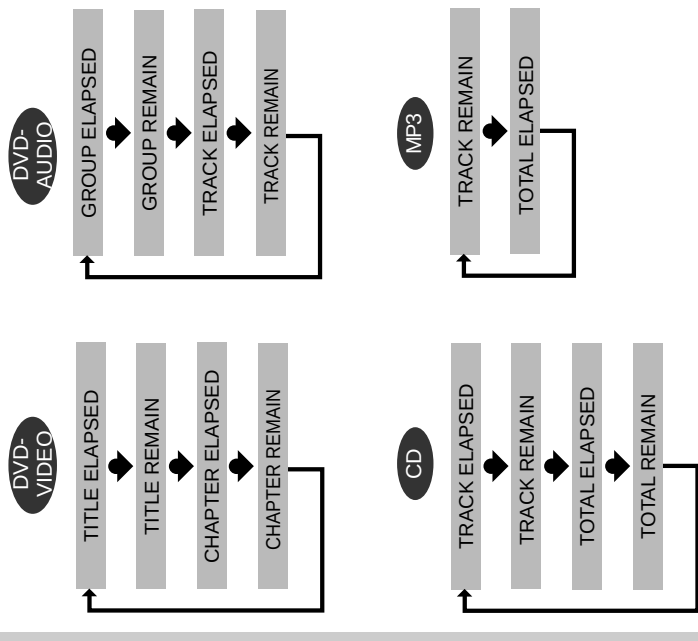


Checking the Remaining Time

Press the **REMAIN** button.

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

Each time the **REMAIN** button is pressed





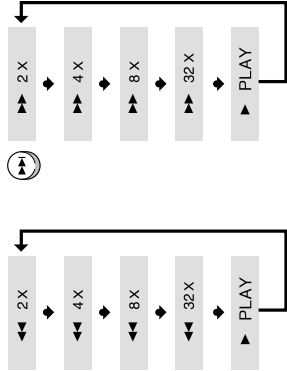
Fast/Slow Playback



Fast Playback DVD CD MP3

Press and hold **2X**.

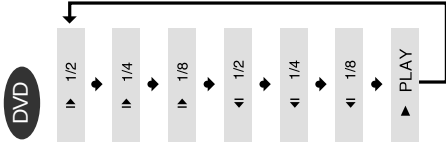
- Each time the button is held down during playback, the playback speed changes as follows:



Slow Playback

Press **SLOW** button.

- Each time the button is pressed during playback, the playback speed changes as follows:



Skipping Scenes/Songs

DVD MP3

Briefly press **10**.

- Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will be played.
- You cannot skip chapters consecutively.



Note

- During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.
- No sound is heard during slow playback and step motion playback.



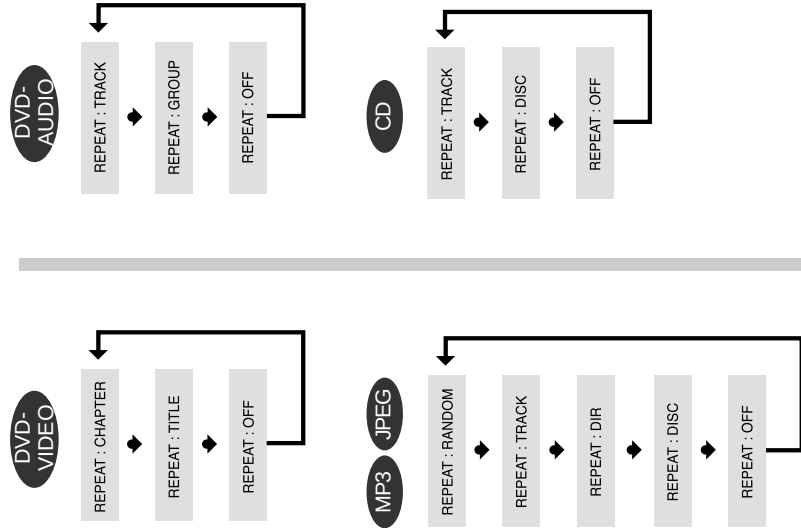
Repeat Playback

Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).

DVD CD MP3 JPEG

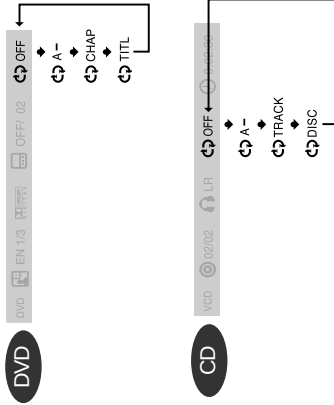
Press REPEAT button.

- Each time the button is pressed during playback, the repeat playback mode changes as follows:



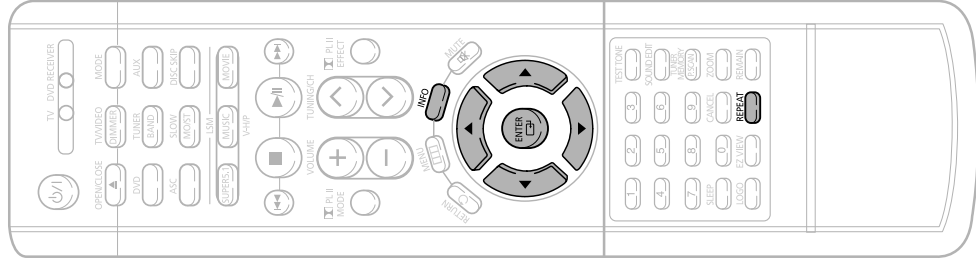
To Select a Repeat Playback Mode in the Disc Information Screen

- 1 Press **INFO** button twice.
 - 2 Press **Cursor** **▶** button to move to REPEAT PLAYBACK(↻) display.
 - 3 Press **Cursor** **▼** button to select the desired Repeat Playback mode.
 - 4 Press **ENTER** button.
- * For MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.



Repeat Playback Options

- **CHAPTER** : Repeatedly plays the selected chapter.
- **TITLE** : Repeatedly plays the selected title.
- **GROUP** : Repeatedly plays the selected group.
- **RANDOM** : Plays tracks in random order.
(A track that has already been played may be played again.)
- **TRACK** : Repeatedly plays the selected track.
- **DIR** : Repeatedly plays all tracks in the selected folder.
- **DISC** : Repeatedly plays the entire disc.
- **OFF** : Cancels Repeat Playback.





A-B Repeat Playback

This function allows you to repeat a specified segment of a DVD.



1 Press **INFO** button twice.

- For a CD, press **INFO** button once.



3 Press Cursor **▲**, **▼** buttons to select 'A-' and then press **ENTER** button at the beginning of the segment.

- When **ENTER** button is pressed, the selected position will be stored in memory.



To return to normal playback, press Cursor **▲**, **▼** buttons to select **OFF**.

Note

- The A-B Repeat function will not work on an MP3 or JPEG disc.



Angle Function

This function allows you to view the same scene in different angles.



1 Press **INFO** button.

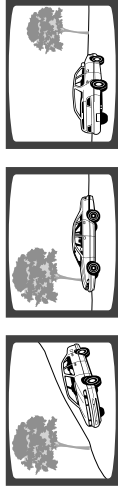


2 Press Cursor **▶** button to move to **ANGLE** (**81**) display.



3 Press Cursor **▲**, **▼** or numeric buttons to select the desired angle.

- Each time the button is pressed, the angle changes as follows:



Note

- The Angle function works only with discs on which multiple angles have been recorded.



Zoom Function

This function allows you to enlarge a particular area of the displayed image.



Zoom (Screen Enlarge) Function

DVD

1 Press ZOOM button.



2 Press Cursor $\uparrow, \downarrow, \leftarrow, \rightarrow$ buttons to move to the area you want to enlarge.



- Each time the button is pressed, the zoom level changes as follows:



Aspect Ratio

DVD

Press EZ VIEW button.

- Each time the button is pressed, the zoom function will switch between On and Off.
- When a movie is played in Widescreen format, black bars at the top and bottom of the TV screen can be removed by pressing the EZ VIEW button.



Note

- This function will not work if the DVD is recorded with multi-camera angle format.
- Black bars may not disappear because some DVD discs have a built-in horizontal to vertical ratio.



Bonus Group / Navigating Pages

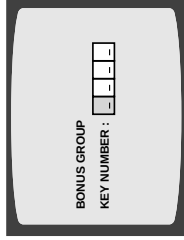


Bonus Group

DVD-AUDIO

Some DVD-Audio discs have an extra 'bonus' group that requires a 4-digit key number to access. See the disc packaging for details and the key number.

When you play a DVD-Audio disc that has a bonus group, the key number input screen appears automatically.



Note

- If you eject the disc, switch the power off, or unplug the player, you will need to re-enter the key number.



Navigating Pages

DVD-AUDIO

During playback, press the $\odot$ button on the remote control.

- You can select the desired image from a DVD-Audio disc containing still images.
- With some discs, you may not be able to select images depending on how the disc was manufactured.



Selecting Audio/Subtitle Language



Moving Directly to a Scene/Song



Audio Language Selection Function

DVD

1 Press **INFO** button twice.

DVD EN 1/3 OFF/02 OFF

2 Press **Cursor** or numeric buttons to select the desired audio language.

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

DVD EN 1/3 SP 2/3 FR 3/3



Subtitle Language Selection Function

DVD

1 Press **INFO** button twice.

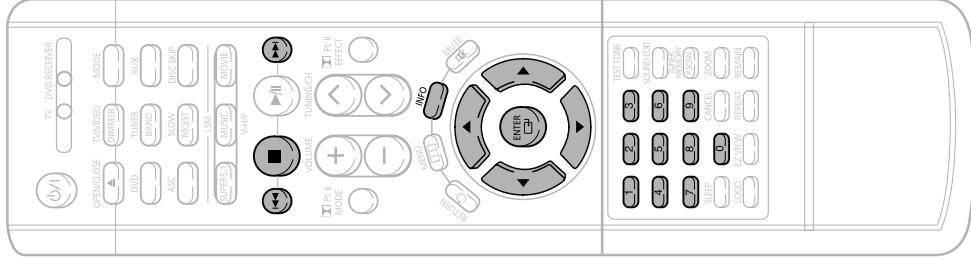
DVD EN 1/3 OFF/02 OFF

Press **Cursor** button to move to **SUBTITLE** () display.

DVD EN 1/3 OFF/02 OFF

3 Press **Cursor** button or numeric buttons to select the desired subtitle.

DVD EN 1/3 SP 02/03 FR 03/03 OFF/03



Note

- Depending on the disc, the Subtitle and Audio Language functions may not work.

DVD CD

1 Press **INFO** button.

DVD 01:05 00:10:40 0:00:37 1/1

Moving to a Title/Track

2 Press **Cursor** or numeric buttons to select the desired title/track and then press **ENTER** button.

DVD 03:05 01:10:02 0:01:01 1/1

Moving to a Chapter

3 Press **Cursor** buttons to move to Chapter () display.

DVD 01:05 00:10:40 0:00:01 1/1

Moving to a Chapter

4 Press **Cursor** or numeric buttons to select the desired chapter and then press **ENTER** button.

DVD 01:05 02:50:40 0:00:01 1/1

Moving to a Specific Time

5 Press **Cursor** buttons to move to time display.

DVD 01:05 02:50:40 1:17:30 1/1

Moving to a Specific Time

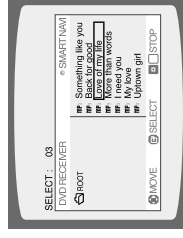
6 Press the numeric buttons to select the desired time and then press **ENTER** button.

DVD 01:05 03:00:40 1:30:00 1/1

MP3 JPEG

Press the **numeric** buttons.

- The selected file will be played.
- An MP3 or JPEG disc cannot be moved from the disc information screen.
- When playing an MP3 or JPEG disc, you cannot use to move a folder.
- To move a folder, press (Stop) and then press .



Note

- You can press on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.



Using Disc Menu

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

DVD

1 In Stop mode, press **MENU** button.

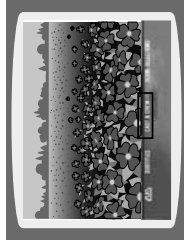


2 Press Cursor **▲, ▼** buttons to move to 'DISC MENU' and then press **ENTER** button.

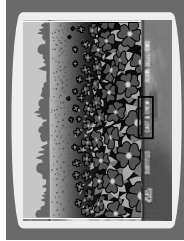
- When you select the disc menu that is not supported by the disc, the **"This menu is not supported"** message appears on the screen.



3 Press Cursor **▲, ▼, ◀, ▶** buttons to select the desired item.



4 Press **ENTER** button.



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.

DVD

1 In Stop mode, press **MENU** button.

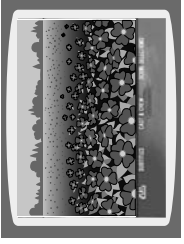


2 Press Cursor **▲, ▼** button to move to 'Title Menu'.

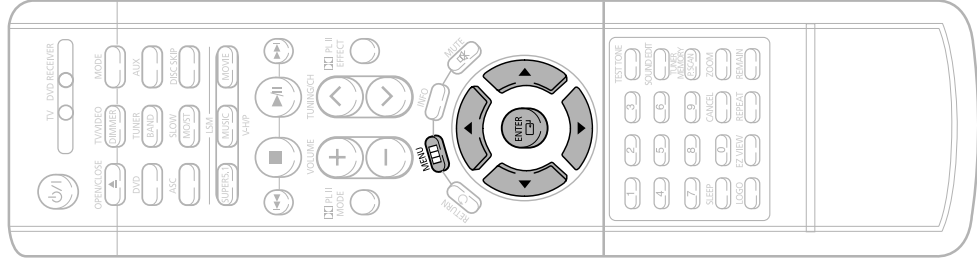


3 Press **ENTER** button.

- The title menu appears.

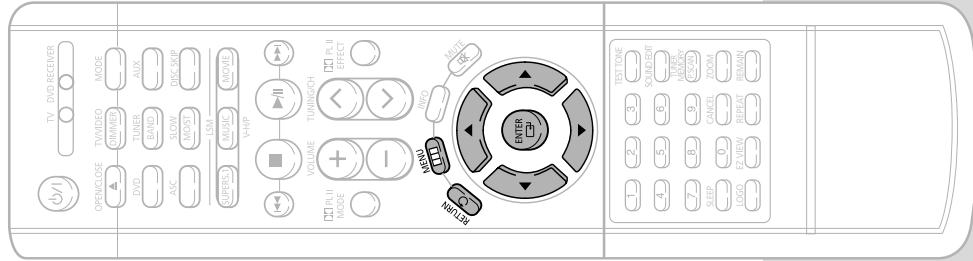


Press **MENU** button to exit the setup screen.



Setting the Language

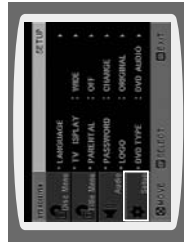
OSD language is set to English by default.



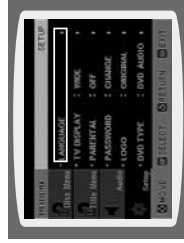
1 In Stop mode, press **MENU** button.



2 Press Cursor $\blacktriangledown$ button to move to 'Setup' and then press **ENTER** button.



3 Press **ENTER** button.



4 Press Cursor $\blacktriangle, \blacktriangledown$ button to select the desired item and then press **ENTER** button.



5 Press Cursor $\blacktriangle, \blacktriangledown$ button to select the desired language and then press **ENTER** button.

- Once the setup is complete, if the language was set to English, OSD will be displayed in English.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.



Selecting the
OSD Language
(recorded on the disc)



Selecting the
Audio Language
(recorded on the disc)



Selecting the
Subtitle Language
(recorded on the disc)

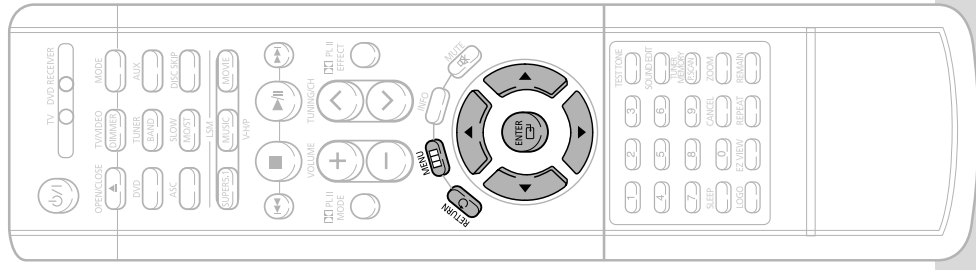


Selecting the Disc Menu
Language (recorded on the disc)
* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.



Setting TV Screen type

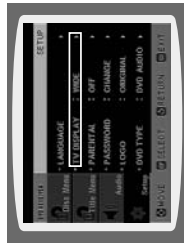
Depending on your TV type (Wide Screen TV or conventional 4:3 TV), you can select the TV's aspect ratio.



1 In Stop mode, press **MENU** button.



3 Press Cursor $\blacktriangledown$ button to move to 'TV DISPLAY' and then press **ENTER** button.



2 Press Cursor $\blacktriangleright$ button to move to 'Setup' and then press **ENTER** button.



4 Press Cursor $\blacktriangle$, $\blacktriangledown$ button to select the desired item and then press **ENTER** button.

• Once the setup is complete, you will be taken to the previous screen.



Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen sizes, you should adjust the aspect ratio to fit your TV or monitor.

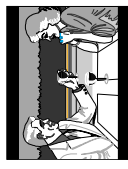
- ★ For a standard TV, select either "4:3LB" or "4:3PS" option according to personal preference. Select "16:9" if you have a wide screen TV.

WIDE



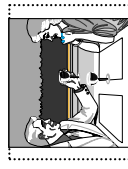
: Select this to view a 16:9 picture in the full-screen mode on your wide screen TV.
• You can enjoy the wide screen aspect.

4:3LB (4:3 Letterbox)



: Select this to play a 16:9 picture in the letter box mode on a conventional TV.
• Black bars will appear at the top and bottom of the screen.

4:3PS (4:3 Pan&Scan)



: Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.
• You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).

Note

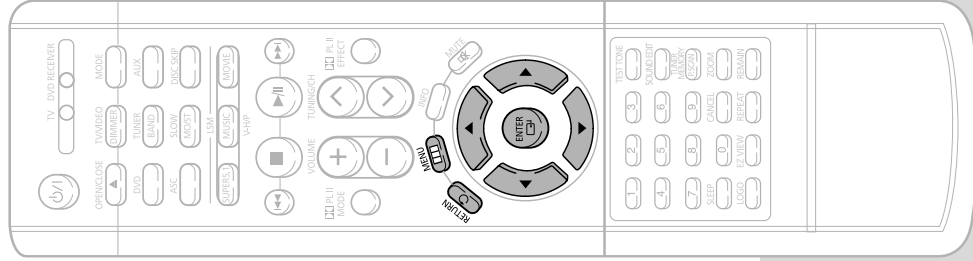
- If a DVD is in the 4:3 ratio, you cannot view it in wide screen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Setting Parental Controls (Rating Level)

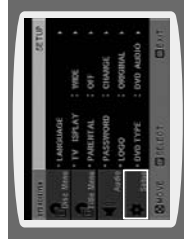
Use this to restrict playback of adult or violent DVDs you do not want children to view.



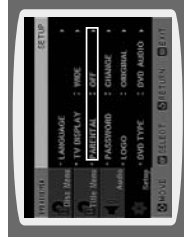
1 In Stop mode, press **MENU** button.



2 Press Cursor button to move to 'Setup' and then press **ENTER** button

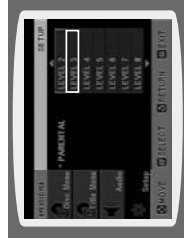


3



4

Press Cursor ▲, ▼ button to select the desired rating level and then press **ENTER** button.



5 Enter the password and then press **ENTER** button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.



SETUP

Note

- This function works only if a DVD disc contains the rating level information.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

The diagram shows a remote control with the following buttons and functions:

- Power/Standby:** A circular button with a power symbol.
- TV / DVD RECORDER:** A toggle switch.
- Channel Navigation:**
 - Channel Up:** Up arrow button.
 - Channel Down:** Down arrow button.
 - Channel Search:** Magnifying glass button.
 - Channel Memory:** Buttons labeled 1 through 12.
- Source Selection:** Buttons for CD, DVD, AUX, DISC, S-VIDEO, and VIDEO.
- Volume and Mute:**
 - Volume Up:** Plus sign button.
 - Volume Down:** Minus sign button.
 - Mute:** Speaker icon button.
- Navigation and Playback:**
 - Play/Pause:** Play/Pause symbol button.
 - Stop:** Stop symbol button.
 - Fast Forward:** Double right arrow button.
 - Fast Reverse:** Double left arrow button.
 - Still:** Square button.
 - Repeat:** Circular arrow button.
 - Random:** Square with X button.
 - Enter:** Center button of the directional pad.
 - Directional Pad:** Four arrow buttons (Up, Down, Left, Right).
 - Return:** Button with a curved arrow.
 - Menu:** Button with a list icon.
 - Info:** Button with an 'i' icon.
 - Help:** Button with a question mark.
- Settings and Features:**
 - TV Mode:** Button with a TV icon.
 - Channel List:** Buttons for CHANNEL, LIST, and FAVORITE.
 - Language:** Button with a speech bubble.
 - Zoom:** Button with a magnifying glass.
 - Repeat:** Button with a circular arrow.
 - Relax:** Button with a person icon.

SETUP

- LANGUAGE
- TV
- DISPLAY
- VIDEO
- PARENTAL
- OFF
- CHANGE
- 1 LOGO
- ORIGINAL
- DVD AUDIO

MOVE SELECT EXIT

RETURN

DVD Menu

Title Menu

Audio

SETUP

LANGUAGE

TV DISPLAY

PARENTAL

SUBTITLED

LANGUAGE

LOCO

DVD TYPE

DVD AUDIO

SELECT

EXIT

- ## SETUP

Note

Pres

Pres



Setting the Wallpaper

JPEG DVD

While watching a DVD or JPEG CD, you can set the image you like as background wallpaper.



Setting the Wallpaper

1 During playback, press **PLAY/PAUSE** button when the image you like comes up.



2 Press **LOGO** button.

- "COPY LOGO DATA" will be displayed on the TV screen.



3 The power will turn off and then back on and the disc tray will open automatically.

- The selected wallpaper will be displayed.

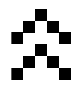
4 Press **OPEN/CLOSE** to close the disc tray.

- You can repeat Steps 1 and 2 to set up to 3 wallpapers.



Select this to set the Samsung Logo image as your wallpaper.

Select this to set the desired image as your wallpaper.

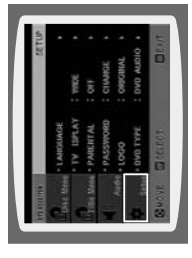


To Change the Wallpaper

1 In Stop mode, press **MENU** button.



2 Press **Cursor** button to move to 'Setup' and then press **ENTER** button.



4 Press **▼** to select the desired 'USER', and then press **ENTER**.



5 Press **MENU** button to exit the setup screen.

3 Press **Cursor** button to move to 'LOGO' and then press **ENTER** button.



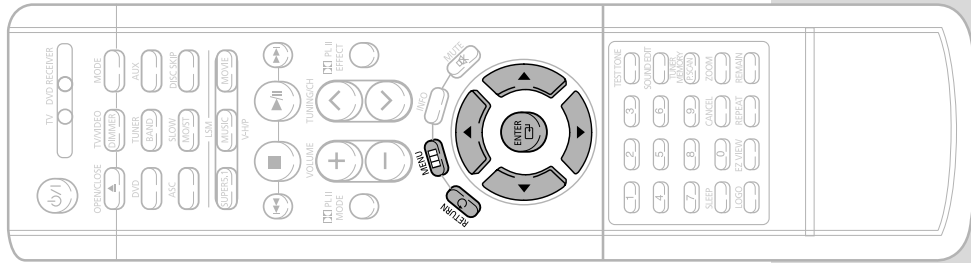
Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.



DVD Playback Mode

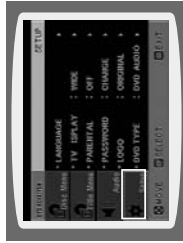
Some DVD-Audio discs contain DVD-Video as well as DVD-Audio. To play back the DVD-Video portion of the DVD-Audio disc, set the unit to DVD-Video mode.



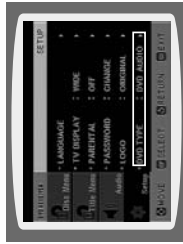
1 Press the **MENU** button while the disc tray is open.



2 Press Cursor **▼** button to move to 'Setup' and then press **ENTER** button.



3 Press Cursor **▼** button to move to 'DVD TYPE' and then press **ENTER** button.



4 Press Cursor **▲, ▼** button to move to 'DVD VIDEO' and then press **ENTER** button.

- Set steps 1 ~ 4 again if you want to switch to DVD AUDIO Play mode.



When Selecting DVD Play Mode:

- **DVD VIDEO** : set to play the DVD video contents contained in DVD audio disc.
- **DVD AUDIO** : set to play the default DVD audio.

Note

- DVD Play mode is set to DVD Audio as factory default setting.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.



Setting the Speaker Mode

Signal outputs and frequency responses from the speakers will automatically be adjusted according to your speaker configuration and whether certain speakers are used or not.

1 In Stop mode, press **MENU** button.



3 In the Speaker Setup, press the **ENTER** button again.



2 Press Cursor **▼** button to move to 'Audio' and then press **ENTER** button.



4 Press Cursor **▲, ▼, ◀, ▶** buttons to move to the desired speaker and then press **ENTER** button.

- For C, LS, and RS, each time the button is pressed, the mode switches alternately as follows: SMALL → NONE.
- For L and R, the mode is set to SMALL.



SMALL: Select this when using the speakers.
NONE: Select this when no speakers are installed.

Note

- Depending on PRO LOGIC and STEREO, the speaker mode may vary.



Setting the Test Tone

Use the Test Tone feature to check the speaker connections and to adjust the speaker levels.

1 In Stop mode, press **MENU** button.



2 Press Cursor **▼** button to move to 'Audio' and then press **ENTER** button.



3 Press Cursor **▼** button to move to 'TEST TONE' and then press **ENTER** button.

- The test tone will be sent to L → C → R → RS → SW in that order. If the ENTER button is pressed again at this time, the test tone will stop.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

SETUP

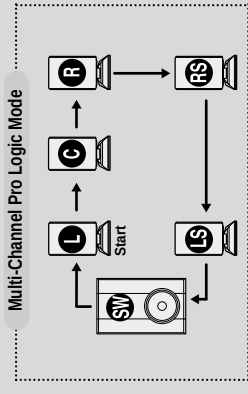
L: Front Speaker (L) C: Center Speaker SW: Subwoofer
R: Front Speaker (R) LS: Rear Speaker (L) RS: Rear Speaker (R)

Alternate method: press the **TEST TONE** button on the remote.

Press **TEST TONE** button.

- Test tone will be produced as follows:
When playing a DVD or CD, this will work only in Stop mode.
- Use this function to check that each speaker is correctly connected and that there is no problem.

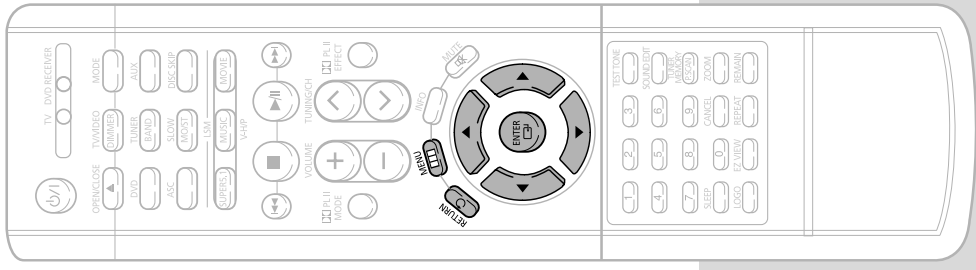
To end the test tone, press **TEST TONE** button again.





Setting the Delay Time

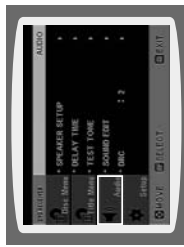
If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the center and rear speakers.



1 In Stop mode, press **MENU** button.



2 Press Cursor **▼** button to move to 'Audio' and then press **ENTER** button.



3 Press Cursor **▼** button to move to 'DELAY TIME' and then press **ENTER** button.



4 Press Cursor **▲, ▼, ◀, ▶** buttons to move to the desired speaker and then press **ENTER** button.



5 Press Cursor **◀, ▶** to set the Delay time.

- You can set the delay time for C between 00 and 05mSEC and for LS and RS between 00 and 15mSEC.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

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.

Note

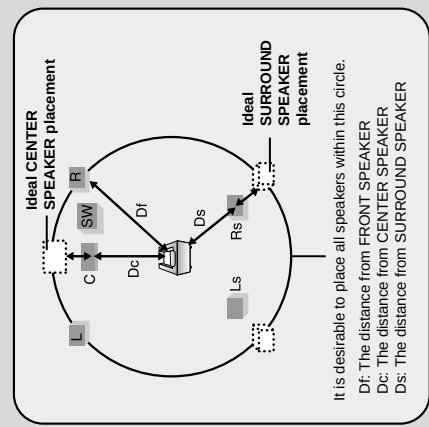
- With **DPL** (Dolby Pro Logic II), the delay time may be different for each mode.
- With AC-3 and DTS, the delay time can be set between 00 and 15mSEC.

- Setting CENTER SPEAKER**
If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	Delay Time
0 inch	0 ms
13.6 inches	1 ms
27.2 inches	2 ms
40.8 inches	3 ms
4.5 feet	4 ms
5.6 feet	5 ms

- Setting REAR (SURROUND) SPEAKERS**
If the distance of Df is equal to the distance of Ds in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Ds	Delay Time
0 inch	0 ms
40.8 inches	3 ms
6.7 feet	6 ms
10.0 feet	9 ms
13.4 feet	12 ms
16.7 feet	15 ms



It is desirable to place all speakers within this circle.
Df: The distance from FRONT SPEAKER
Dc: The distance from CENTER SPEAKER
Ds: The distance from SURROUND SPEAKER