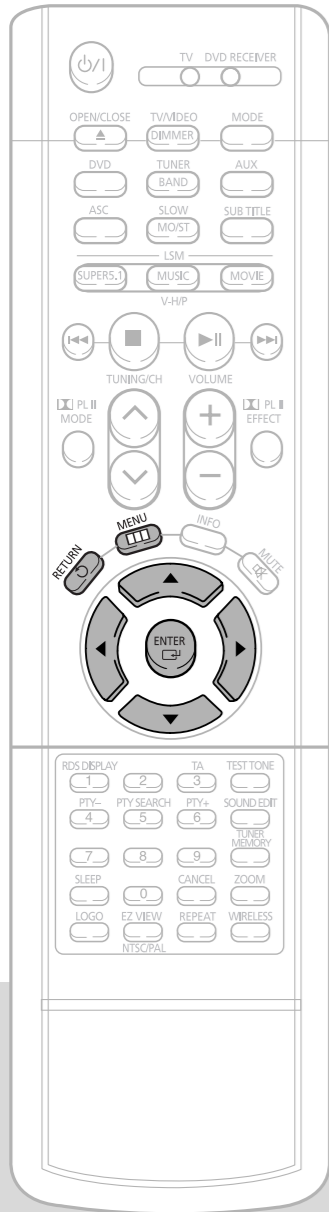


Setting the Password

You can set the password for the Parental (rating level) setting.



1 Press **MENU** button.



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



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



4 Press **ENTER** button.



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

- Enter the old password, a new password, and confirm new password.
- The setting is complete.



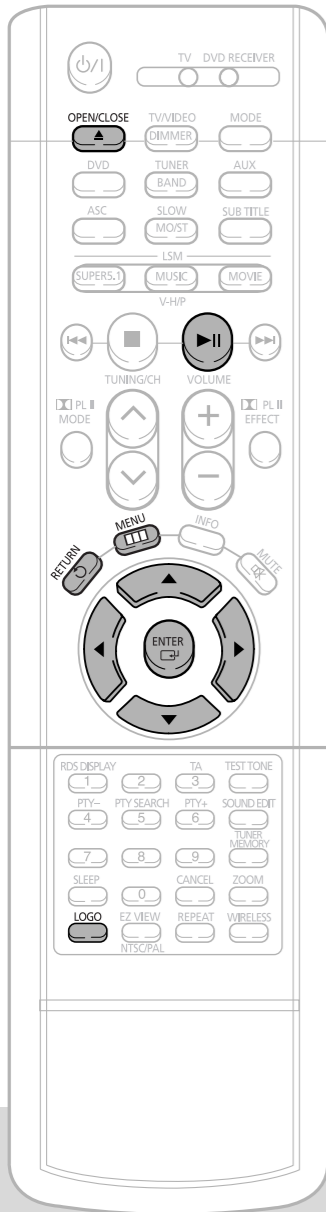
Press **RETURN** button to return to the previous level.

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

Setting the Wallpaper

JPEG DVD VCD

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



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



2 Press **LOGO** button.

• "LOGO COPYING" will be displayed on the TV screen followed by "LOGO COPIED".



3 Press **MENU** button.



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



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



6 Press **Cursor** ▼ button to move to 'USER' and then press **ENTER** button.



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

8 Press **OPEN/CLOSE** button to open and then close the disc tray.

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

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

SETUP



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



Select this to set the desired image as your wallpaper.

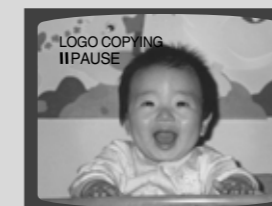
To Change the Wallpaper

JPEG DVD VCD

1 During playback, press **PLAY/PAUSE** button when you see an image you like.



2 Press **LOGO** button.
• "LOGO COPYING" will be displayed on the TV screen followed by "LOGO COPIED".



3 Press **OPEN/CLOSE** button to open and then close the disc tray.
• The wallpaper is changed.

Setting the Speaker Mode

1 Press **MENU** button.



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

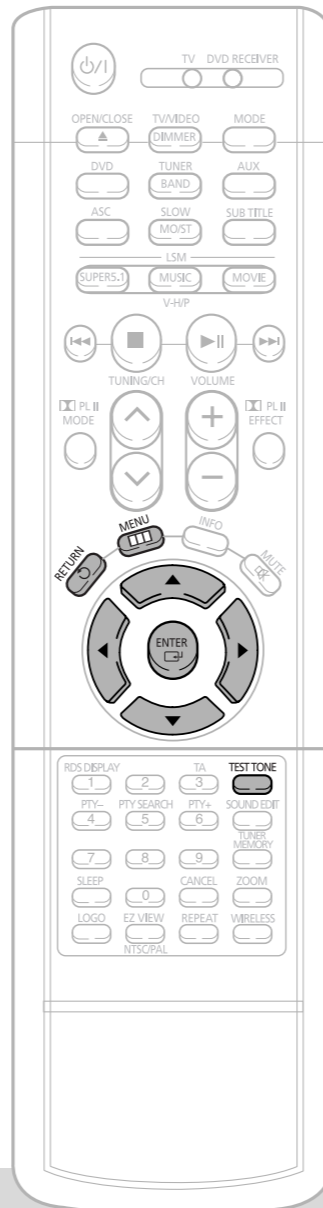


3 In the Speaker Setup, press the **ENTER** button again.



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**.



Setting the Test Tone

1 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 → LS → SW in that order. If the 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.

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

Note

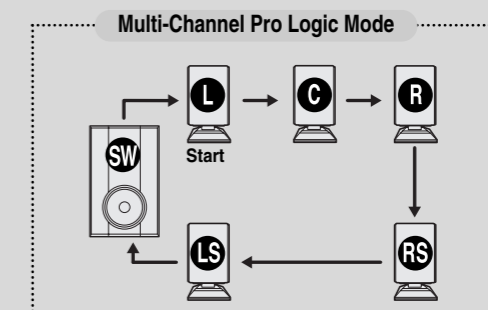
- With **DOLBY** (Dolby Pro Logic II), the delay time may be different for each mode.
- With **AC-3** and **DTS**, the delay time is set between 00 and 15mSEC.
- Depending on **PRO LOGIC** and **STEREO**, the speaker mode may vary.

When manually testing using the **TEST TONE** button

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

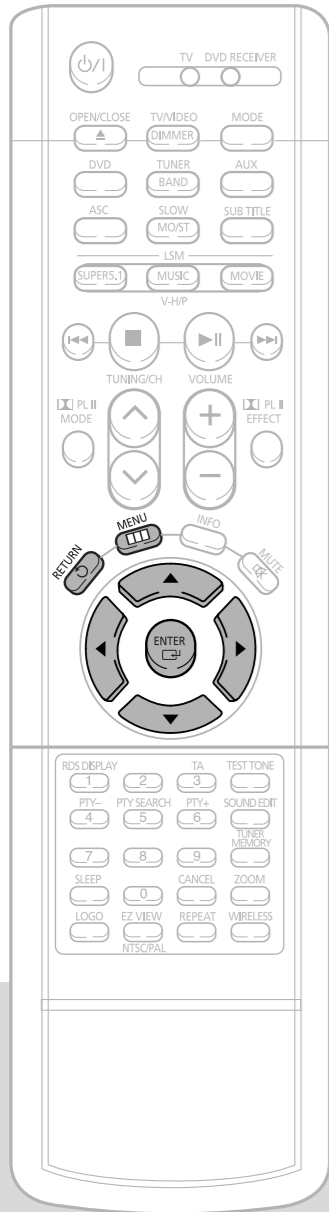
Press **TEST TONE** button.

- 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.

Setting the Delay Time



1 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.

• Setting CENTER SPEAKER

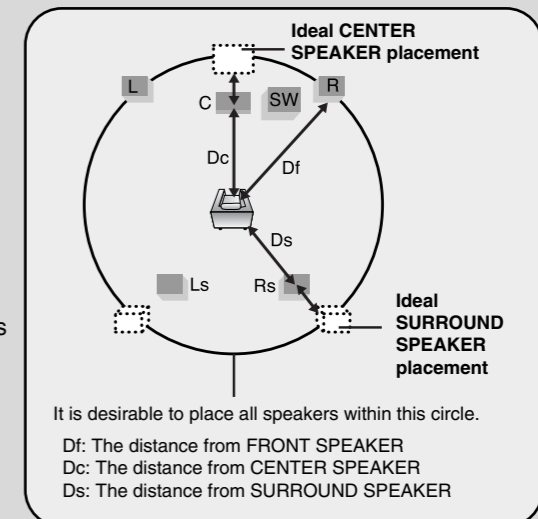
If the distance of D_c is equal to or longer than the distance of D_f in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

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

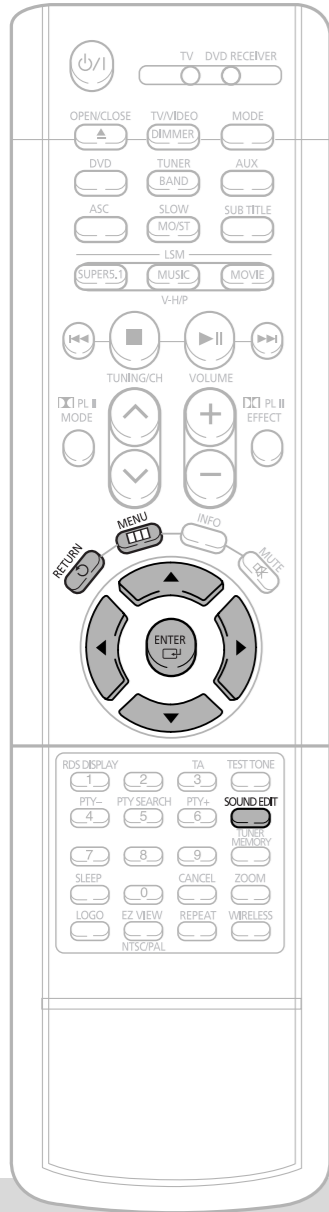
If the distance of D_f is equal to the distance of D_s in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

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



Setting the Audio Quality

You can adjust the balance and level for each speaker.



Method 1 When adjusting the audio quality using the setup screen

- 1** Press **MENU** button.
- 2** Press Cursor **▼** button to move to 'Audio' and then press **ENTER** button.
- 3** Press Cursor **▼** button to move to 'SOUND EDIT' and then press **ENTER** button.
- 4** Press Cursor **▲, ▼, ◀, ▶** buttons to select the desired item and then press **ENTER** button.

Method 2 When manually adjusting with the SOUND EDIT button

<p>Adjusting Front Speaker Balance</p> <p>1 Press SOUND EDIT button and then press Cursor ◀, ▶.</p>	<p>Adjusting Rear Speaker Balance</p> <p>2 Press SOUND EDIT button and then press Cursor ◀, ▶.</p>	<p>Adjusting Center Speaker Level</p> <p>3 Press SOUND EDIT button and then press Cursor ◀, ▶.</p>
<p>Adjusting Rear Speaker Level</p> <p>4 Press SOUND EDIT button and then press Cursor ◀, ▶.</p>	<p>Adjusting Subwoofer Speaker Level</p> <p>5 Press SOUND EDIT button and then press Cursor ◀, ▶.</p>	

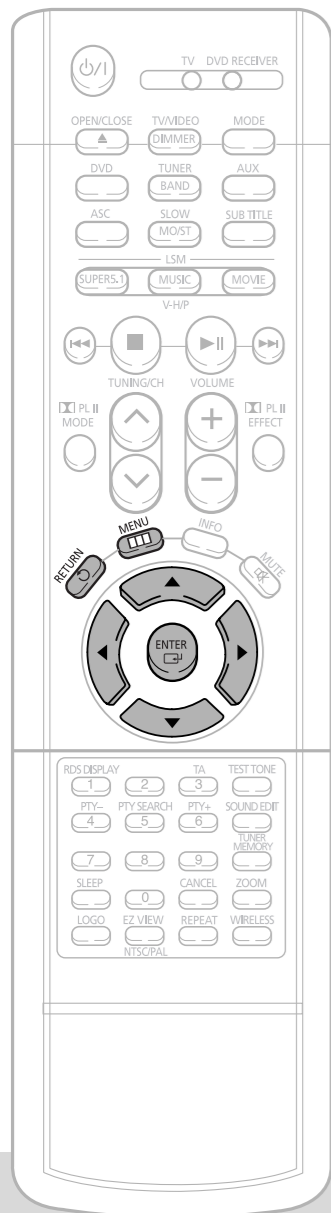
- Press **RETURN** button to return to the previous level.
- Press **MENU** button to exit the setup screen.

Note

- Adjusting Front/Rear Speaker Balance**
- You can select between 00 and -06 and OFF.
 - The volume decreases as you move closer to -6.
- Adjusting Center/Rear/Subwoofer Speaker Level**
- The volume level can be adjusted in steps from +6dB to -6dB.
 - The sound gets louder as you move closer to +6dB and smaller as you get closer to -6dB.

Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.



1 Press **MENU** button.



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



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



4 Press Cursor **▲**, **▼** to adjust the 'DRC'.

- The longer the Cursor **▲** button is held down, the greater the effect, and the longer Cursor **▼** button is held down, the smaller the effect.



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

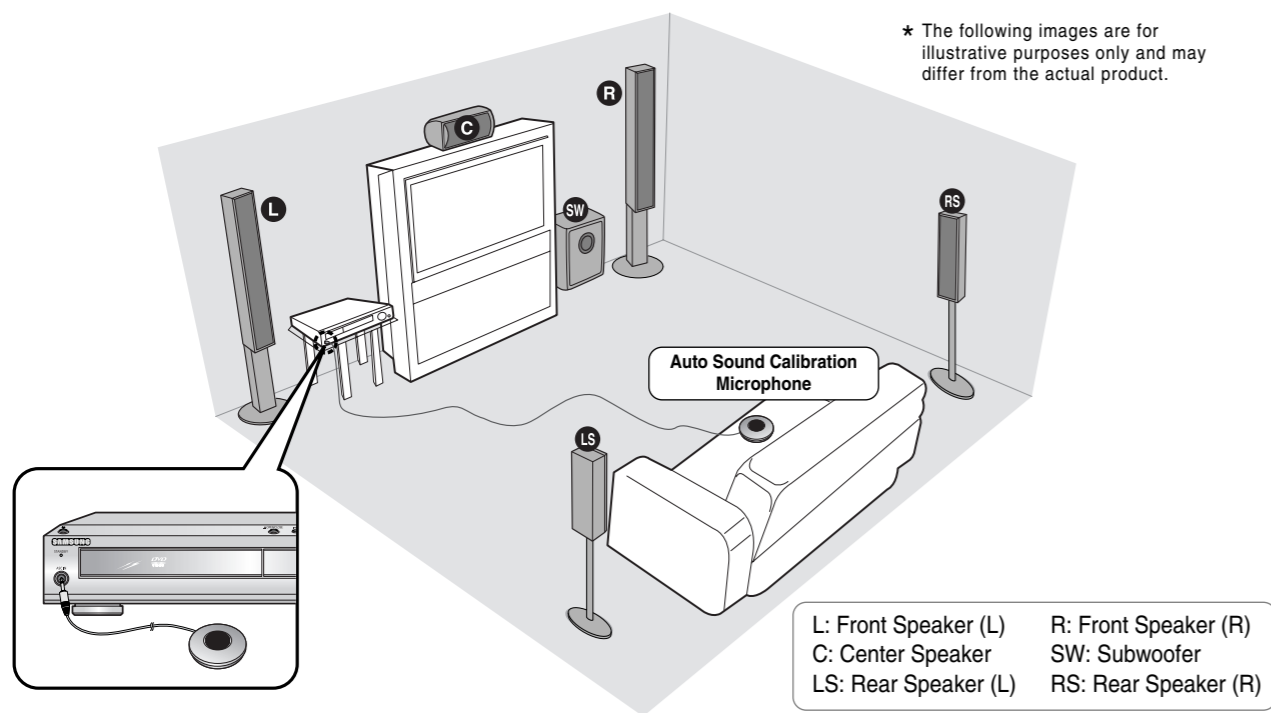
Press **MENU** button to exit the setup screen.

Auto Sound Calibration Setup

* This function is available only for DVD/CD playback.

Auto Sound Calibration

By setting the auto sound calibration function just once when you relocate or install the unit, you can have the unit automatically recognize the distance between speakers, levels between channels, and frequency characteristics to create 5.1-channel sound field optimized for the listener's environment.



* The following images are for illustrative purposes only and may differ from the actual product.

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

Note

- If you purchased the unit for the first time or initialized it, pressing the Auto Sound Calibration button without connecting the auto sound calibration microphone will display the message "PLEASE SET ASC FUNCTION FIRST" in the display.
- Because the volume level of the tone is fixed during the auto sound calibration setup, you cannot adjust the volume using the volume control buttons.
- If the auto sound microphone is disconnected during the auto sound calibration setup, the setup will be cancelled.

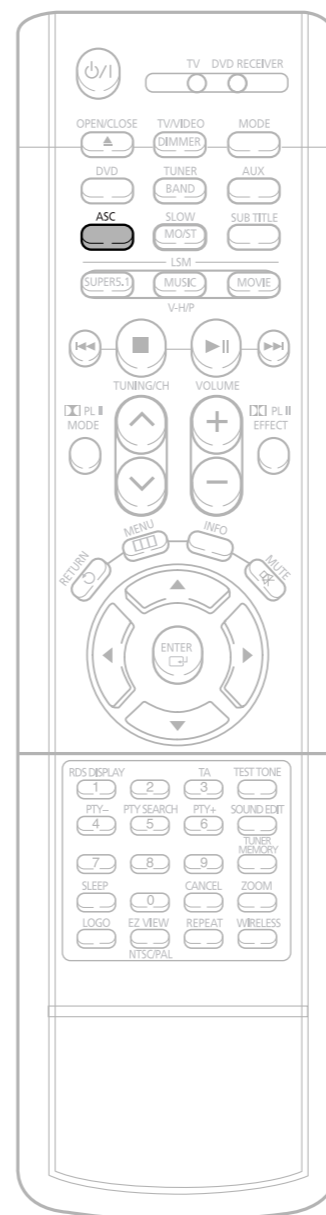
To Turn On or Off Sound Logo

When you turn on the power, the unit produces a sound logo after the disc reading to notify that the unit is optimized for playback.

- 1 Press and hold **ASC** button.
 - "S.LOGO ON" or "S.LOGO OFF" appears in the display.
- 2 Briefly press **ASC** button.
 - Each time the button is pressed, the selection alternates between S.LOGO ON and S.LOGO OFF.
 - If you select "S.LOGO ON", a sound logo will be output when the disc reading is finished after power-on. If you select "S.LOGO OFF", no sound logo will be output.

To Verify the Auto Sound Calibration

- 1 Press and hold **ASC** button twice.
 - "ASC CHECK" appears in the display.
- 2 Briefly press **ASC** button.
 - Distance and level values specified for each channel will appear in the display.



- 1 Plug the auto sound calibration microphone into the auto sound calibration input jack.

- 2 Place the auto sound calibration microphone at the listener's position.

- 3 Adjust the volume control on the main unit as follows:
 - If the distance between the listener and the speaker is over 5 m: Set the main unit's volume to over 25.
 - If the distance between the listener and the speaker is 3 to 5 m: Set the main unit's volume to 25.
 - If the distance between the listener and the speaker is below 3 m: Set the main unit's volume to 15.

- 4 Press **ASC** button.
 - The tone will be output twice, in the given order (L → C → R → RS → LS → SW), and 5.1-channel sound field is optimized automatically.
 - The auto sound calibration setup takes about 2 minutes to complete.



A tone is output.



A result for each speaker is displayed.

• A bell will sound and the setup finishes.

- 5 When the message "REMOVE MIC" appears in the display, unplug the auto sound calibration microphone.

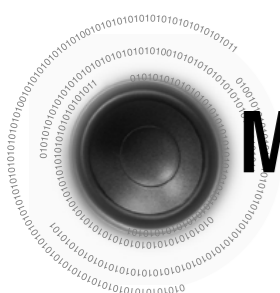
To cancel the auto sound calibration setup, press **ASC** button.

- The tone output stops, "CANCEL ASC" appears in the display followed by "REMOVE MIC", and the setup will be cancelled.

To listen in the auto sound calibration mode, briefly press **ASC** button.

(If you set the auto sound calibration in the order from 1 to 4 above for the first time)

- The selection alternates between ASC ON and ASC OFF in the display.
- If you select "ASC ON", you can listen in the auto sound calibration mode. If you select "ASC OFF", you can listen in the mode set in the audio setting of the setup screen.



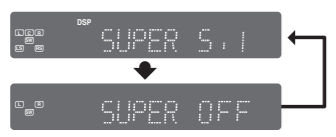
Magic Sound Field Mode

Super 5.1 Function

You can reproduce a 2-channel sound source, such as VCD, CD, and radio broadcast, in 5.1-channel surround sound.

Press **SUPER5.1** button.

- Each time the button is pressed, the selection alternates between SUPER 5.1 and SUPER OFF.
- Select "SUPER 5.1" to play 2-channel sound in 5.1 channel.

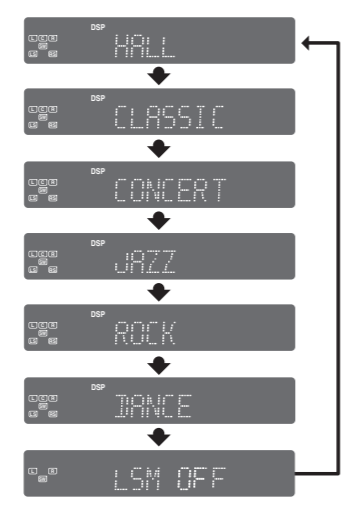


Music Sound Field Function

If you select Music Sound Field when listening to a 2-channel sound source, it will be reproduced in 5.1-channel surround sound so that you can enjoy a dynamic sound with a sense of presence.

Press **MUSIC** button.

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

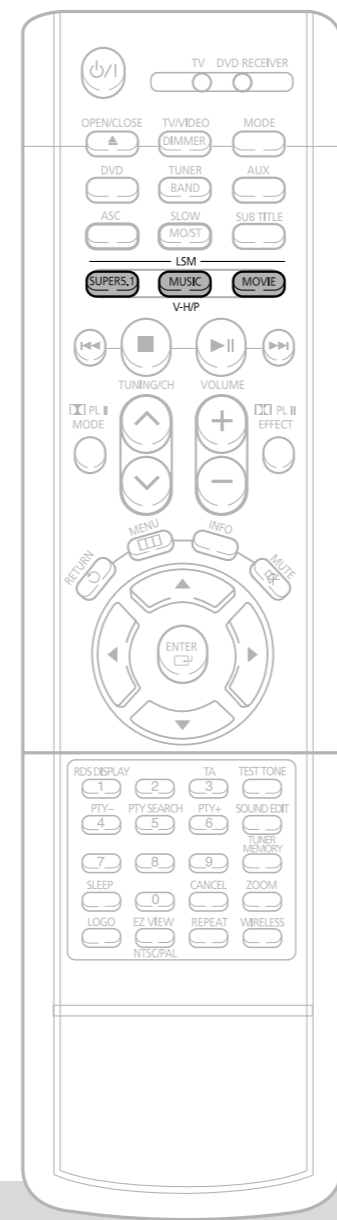
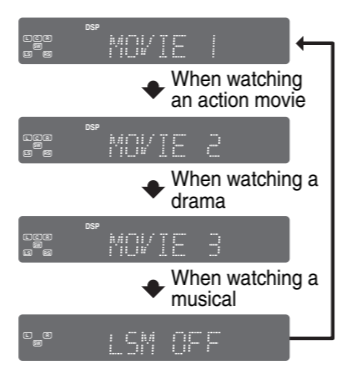


Movie Sound Field Function

You select from 3 different modes of sound field for movies.

Press **MOVIE** button.

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

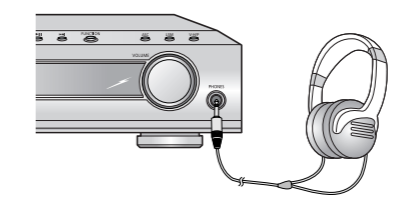


Magic Headphone Function

Use headphones (not supplied) for private listening pleasure. You can enjoy a dynamic sound effects similar to that of 5.1 channel surround sound using a conventional stereo headphone.

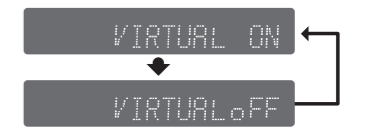
1 Plug the headphones into the headphone jack.

- To purchase headphones, please contact the nearest Samsung Electronics Customer Center.



2 Press **V-H/P** button.

- Each time the button is pressed, the selection alternates between VIRTUAL ON and VIRTUAL OFF.



Note • Do not listen at extremely high volume levels when using headphones. Extended, high-volume listening can lead to permanent hearing loss.

Note • When you insert a DVD recorded in 2-channel or multi-channel format and press the SUPER 5.1 button, the message "THIS FUNCTION APPLIES ONLY 2CH SOURCE" appears in the display and it will not work.

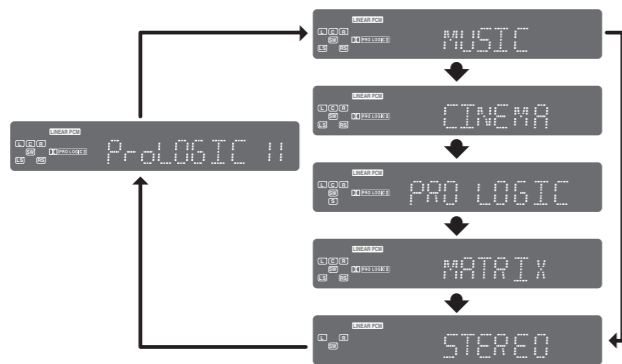
- **VIRTUAL ON:** Select to enjoy a 5.1-channel surround sound that gives the feeling of being in a baseball park or concert hall.
- **VIRTUAL OFF:** Select to listen to a standard 2-channel stereo sound.

Dolby Pro Logic II Mode

You can select the desired Dolby Pro Logic II audio mode.

Press **PL II MODE** button.

- Each time the button is pressed, the mode changes as follows.



Note

- When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to 5.1 channel surround sound.

PRO LOGIC II

- **MUSIC:** When listening to music, you can experience sound effects as if you are listening to the actual performance.
 - **CINEMA:** Adds realism to the movie soundtrack.
 - **PRO LOGIC:** You will experience a realistic multi-channel effect, as if using five speakers, while using just the front left and right speakers.
 - **MATRIX:** You will hear 5.1 channel surround sound.
- STEREO:** Select this to listen to sounds from the front left and right speakers and the subwoofer only.

Dolby Pro Logic II Effect

This function works only in Dolby Pro Logic MUSIC mode.

1 Press **PL II MODE** button to select 'MUSIC' mode.



2 Press **PL II EFFECT** button and then press Cursor **◀, ▶** buttons to select the mode.

- You can select either 0 or 1.



3 Press **PL II EFFECT** button and then press Cursor **◀, ▶** buttons to select the mode.

- You can select between 0 and 7.



4 Press **PL II EFFECT** button and then press Cursor **◀, ▶** buttons to select the mode.

- You can select between 0 and 6.



Note

- When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and **PL II** (Dolby Pro Logic II) button does not work.

- **PANORAMA:** This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.
- **CENTER WIDTH:** Sound is output to the center speaker only. The front left and right speakers produce phantom sound.
- **DIMENSION:** Incrementally adjusts the sound field (DSP) from the front or rear.

About RDS broadcasting

Using the RDS (Radio Data System) to receive FM stations

RDS allows FM stations to send an additional signal along with their regular program signals. For example, the stations send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

When tuned to an FM station which provides the RDS service, the RDS indicator lights up on the display.

Description on RDS function

- PTY (Program Type)** : Displays the type of programme currently being broadcast
- PS NAME (Program Service Name)** : Indicates the name of broadcasting station and is composed of 8 characters.
- RT (Radio Text)** : Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.
- CT (Clock Time)** : Decodes the real time clock from the FM frequency.
 - Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.
- TA (Traffic Announcement)** : When this symbol flashes it shows that the traffic announcement is in progress.

- Note**
- RDS is not available for MW/LW broadcasts.
 - RDS may not operate correctly if the station tuned is not transmitting RDS signal properly or if the signal strength is weak.

What information can RDS signals provide?

You can see the RDS signals the station sends on the display.

TO show the RDS signals

Press RDS DISPLAY while listening to an FM station.

Each time you press the button, the display change to show you the following information:

→ PS NAME → RT → CT → Frequency

PS (Program Service) : While searching, "PS" appears and then the station names will be displayed. "NO PS" appears if no signal is sent.

RT (RadioText) : while searching, "RT" appears and then text messages the station sends will be displayed. "NO RT" appears if no signal is sent.

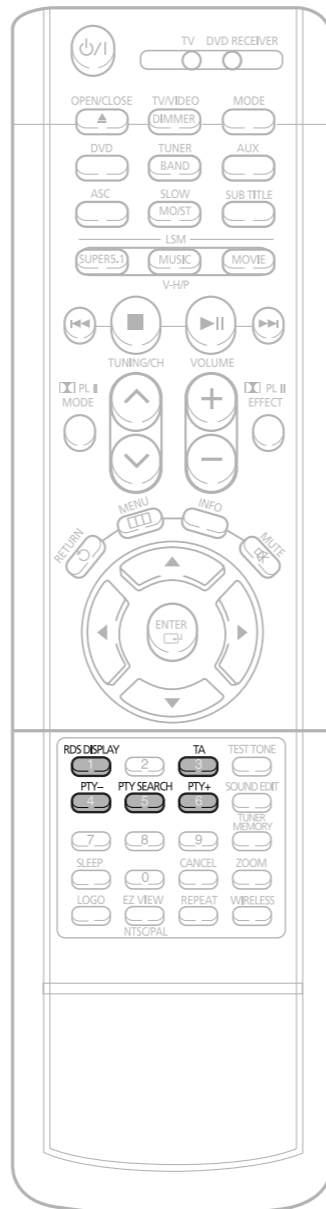
Frequency : station frequency (non-RDS service)

About characters shown in the display

When the display shows PS, or RT signals, the following characters are used.

- The display window cannot differentiate upper case and lower case letters and always uses upper case letters.
- The display window cannot show accented letters, "A," for instance, may stand for accented "A's" like "À, Á, Â, Ã, Ä and Å."

- Note**
- If searching finishes at once, "PS", and "RT" will not appear on the display.



PTY (Program Type) indication and PTY-SEARCH function

One of the advantages of the RDS service is that you can locate a particular kind of program from the preset channels by specifying the PTY codes.

To search for a program using the PTY codes

Before you start, remember...

- The PTY Search is only applicable to preset stations.
- To stop searching any time during the process, press PTY SEARCH while searching.
- There is a time limit in doing the following steps. If the setting is cancelled before you finish, start from step 1 again.
- When pressing the buttons on the primary remote control, make sure that you have selected the FM station using the primary remote control.

1 Press PTY SEARCH while listening to an FM station.

2 Press the PTY- or PTY+ until the PTY code you want appears on the display.

- The display gives you the PTY codes described to the right.

3 Press PTY SEARCH again, while the PTY code selected in the previous step is still on the display.

- The center unit searches 15 preset FM stations, stops when it finds the one you have selected, and tunes in that station.

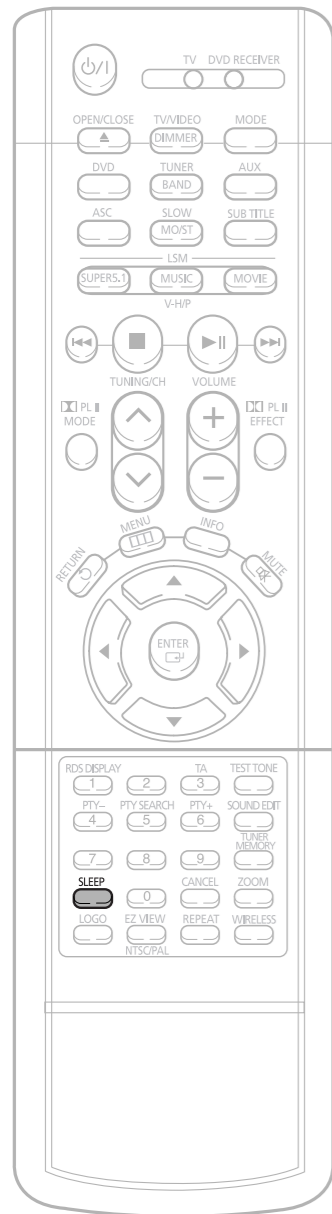
Display	Program Type
NEWS	• News including an announced opinion and report
AFFAIRS	• Several matters including a current incident, documentary, discussion and analysis.
INFO	• Information including weights and measures, returns and forecast, matters interesting the customer, medical information, etc.
SPORT	• Sports
EDUCATE	• Education
DRAMA	• Drama-Radio serial, etc.
CULTURE	• Culture-National or local culture including the religious problem, social science, language, theater, etc.
SCIENCE	• Natural science and technology
VARIED	• Others-Speech, amusing program (quiz, game), interview, comedy and satirical play, etc.
POP M	• Pop music
ROCK M	• Rock music
M.O.R.M	• Current contemporary music considered to be "easylistening."
LIGHT M	• Light classical music- Classical music and instrumental and chorus music
CLASSIC	• Heavy classical music-Orchestra music, symphony, chamber music and opera
OTHER M	• Other music - Jazz, R&B country music
WEATHER	• Weather
FINANCE	• Finance
CHILDREN	• Children's programmes
SOCIAL A	• Social affairs
RELIGION	• Religion
PHONE IN	• Phone in
TRAVEL	• Travel
LEISURE	• Leisure
JAZZ	• Jazz Music
COUNTRY	• Country Music
NATION M	• National Music
OLDIES	• Oldies Music
FOLK M	• Folk Music
DOCUMENT	• Documentary



Convenient Functions

❑ Sleep Timer Function

You can set the time that the DVD player will shut itself off.



Press **SLEEP** button.

- "SLEEP" will be displayed. Each time the button is pressed the preset time changes as follows: 10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF.



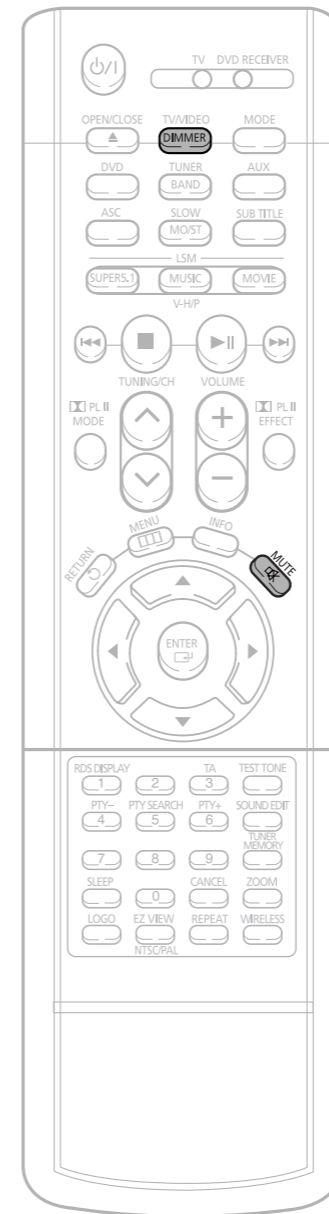
To confirm the sleep timer setting, press **SLEEP** button.

- The remaining time before the DVD player will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

To cancel the sleep timer, press **SLEEP** button until OFF appears on the display.

❑ Adjusting Display Brightness

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.



Press **DIMMER** button.

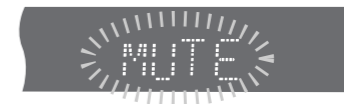
- Each time the button is press, the brightness changes as follows: 'SLIGHTLY DARK, DARK BRIGHT'.

❑ Mute Function

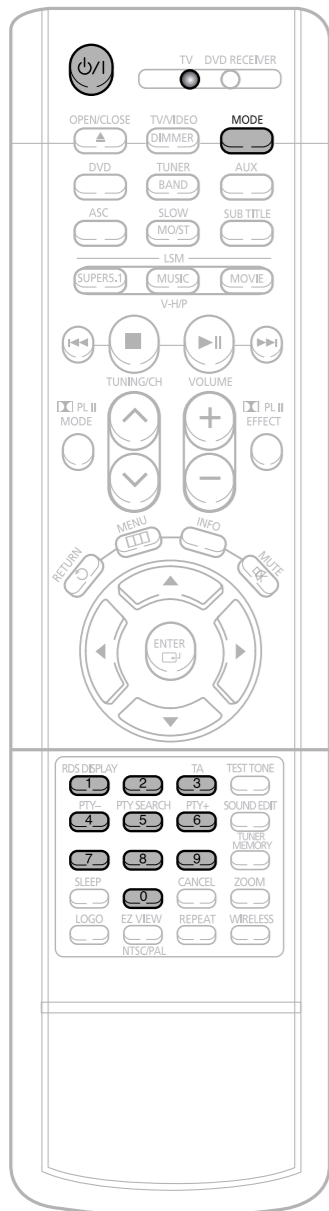
This is useful when answering a doorbell or telephone call.

Press **MUTE** button.

- 'MUTE' flash in the display.
- To switch the sound back on (at the same volume as before), press **MUTE** again or the **VOLUME** buttons.



Operating the TV with the Remote Control



When operating the TV with the remote control

1 Press the **MODE** button to make the TV indicator on the remote control to flash.



2 Press **POWER** button to turn on the TV.

3 Point the remote control toward the TV.

4 While holding down **POWER**, enter the code corresponding to your brand of TV.

- If the code matches the TV's code, the TV will be turned off.
- If there is more than one code listed for your TV in the table, enter one at a time to determine which code works.

Example: For a Samsung TV

While holding down **POWER**, use the number buttons to enter 00, 01, 02, 03, 04, and 05.

5 Point the remote control toward the TV and press **POWER**. If the TV turns off or on, the setting is complete.

- You can use the TV **POWER**, **VOLUME**, **CHANNEL**, and **Numeric** buttons (0~9).

Note

- The remote control may not work on some brands of TVs. Also some operations may not be possible depending on your brand of TV.
- If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.

TV Brand Code List

No.	Brand	Code	No.	Brand	Code
1	SAMSUNG	00(Initial Value), 01, 02, 03, 04, 05, 73	30	BRANDT	41
2	ANAM	06~11, 59	31	FERGUSON	41
3	DAEWOO	12~18, 20, 21	32	PIONEER	41, 48, 74
4	LG	05, 20, 21, 22, 53	33	TELEAVA	41
5	HITACHI	23, 40, 41, 49	34	FINLUX	05, 42, 47
6	JVC	24, 55	35	FISHER	31
7	SHARP	27, 33, 34, 35, 54	36	AKAI	31
8	SONY	27, 36	37	YOKO	05
9	TOSHIBA	27, 37, 42, 43, 44, 46	38	PHONOLA	05, 45, 47
10	SANYO	27, 30, 31, 32	39	RADIOLA	05, 45
11	mitsubishi	05, 27, 28	40	SCHNEIDER	05
12	MATSUSHITA	09, 26	41	NEWSAN	58
13	TELEFUNKEN	41, 49, 51, 57	42	CONTINENTAL EDISON	49
14	RCA	29, 61	43	SALORA	48
15	PANASONIC	07, 09, 26, 48, 49, 50	44	SELECO	48
16	SABA	40, 41, 47, 48, 49	45	NOKIA	48
17	PHILIPS	05, 45, 47, 64, 65, 66, 67, 68, 69	46	REX	48
18	GRUNDIG	39, 42, 46, 70, 71, 72	47	MIVAR	46
19	ZENITH	38	48	IMPERIAL	46
20	MIVAL	52	49	CGE	46
21	NOBLEX	56	50	BANG & OLUFSEN	47
22	EMERSON	19	51	BRIONVEGA	47
23	MAGNAVOX	25	52	FORMENTI	47
24	LOEWE	05, 60	53	METZ	47
25	THOMSON	40, 41, 49, 62, 63	54	WEGA	47
26	NORDMENDE	40, 41, 49	55	RADIOMARELLI	47
27	LOEWE OPTA	36, 47, 05	56	SINGER	47
28	BLAUPUNKT	39	57	SINUDYNE	47
29	SIEMENS	39			



Before Calling for Service

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

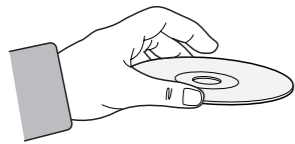
Symptom	Check/Remedy
Disc tray does not open.	<ul style="list-style-type: none"> • Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	<ul style="list-style-type: none"> • Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this DVD player. • Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	<ul style="list-style-type: none"> • Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	<ul style="list-style-type: none"> • No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
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 (L/R) only. Select "PRO LOGIC II" by pressing PL II (Dolby Pro Logic II) on the remote control to use all six speakers. • Make sure that the DVD disc is 5.1-CH compatible. • If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL.
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	<ul style="list-style-type: none"> • Was the DVD player suddenly moved 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 again after condensation disappears.)
Dolby Digital 5.1 CH Surround Sound is not produced.	<ul style="list-style-type: none"> • Is there "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. • Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?

Symptom	Check/Remedy
<ul style="list-style-type: none"> • Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking. 	<ul style="list-style-type: none"> • Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.
The remote control does not work.	<ul style="list-style-type: none"> • Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted? • Have you select the mode(TV/DVD) functions of the remote control (TV or DVD) correctly?
Audio language and subtitles do not work.	<ul style="list-style-type: none"> • Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	<ul style="list-style-type: none"> • Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	<ul style="list-style-type: none"> • You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
Can't receive radio broadcast.	<ul style="list-style-type: none"> • Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
<ul style="list-style-type: none"> • The main unit is not working. (Example: The power goes out or strange noise is heard.) • The DVD player is not working normally. 	<ul style="list-style-type: none"> • Turn off the power and hold the button on the main unit for longer than 5 seconds. <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p>
The password for rating level has been forgotten.	<ul style="list-style-type: none"> • While the player is in the stop mode, hold the main unit's button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values. • Press the POWER button. <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p>

Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause breaks in playback. Be especially careful not to scratch discs when handling them.

● Handling discs



Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

● Disc Storage

<p>Do not keep in direct sunlight</p>	<p>Keep in a cool ventilated area</p>	<p>Keep in a clean Protection jacket. Store vertically.</p>
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- Caution**
- Do not allow the discs to become contaminated with dirt.
 - Do not load cracked discs or discs that are scratched.

● Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc.

Note






- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Specifications

GENERAL	Power Consumption	160W		
	Weight	7.2Kg		
	Dimensions (W x H x D)	360 x 65 x 368 mm		
	Operating Temperature Range	+5°C~+35°C		
	Operating Humidity Range	10%~75%		
FM TUNER	Usable Sensitivity	10dB		
	S/N Ratio	60dB		
	Distortion	0.5%		
MW / LW TUNER	Usable Sensitivity	54dB		
	S/N Ratio	40dB		
	Distortion	2%		
VIDEO OUTPUT	Composite Video	1.0Vp-p(75Ω load)		
	Scart Jack	Compositive Video : 1.0Vp-p(75Ω load)		
		Luminance signal : 1.0Vp-p(75Ω load) Color Signal : 0.286Vp-p(75Ω load)		
AMPLIFIER	Front speaker output	50W(8Ω)/CH		
	Center speaker output	50W(8Ω)		
	Rear speaker output	50W(8Ω)/CH		
	Subwoofer speaker output	100W(6Ω)		
	Frequency range	20Hz~20kHz		
	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	8Ω x 5	3Ω	
	Frequency range	120Hz~20KHz	40Hz~250Hz	
	Output sound pressure level	84dB/W/M	86dB/W/M	
	Rated input	50W	100W	
	Maximum input	100W	200W	
	Dimensions (W x H x D)	Front/Rear	95 x 110 x 95 mm	245 x 405 x 333 mm
		Center	110 x 105 x 95 mm	
Weights	Front/Rear	0.73 Kg	6.6 Kg	
	Center	0.76 Kg		



Notes on Terminology

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 , from the right , etc.). With such discs, the Angle button can be used to change the angle of view for specific scenes.
CHAPTER NUMBER	These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.
DVD	A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.
PCM	An acronym for Pulse Code Modulation - another name for digital audio.
PBC (PLAYBACK CONTROL)	This is recorded on a video CD (version 2.0). Selected scenes or information can be chosen from the menu displayed on the TV monitor.
REGION NUMBER	Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.
SUBTITLES	Translated appearing at the bottom of the screen. A DVD disc can contain up to 32 subtitle languages.
TITLE NUMBER	These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as Title 1, Title 2, etc.
TRACK NUMBER	These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.
VIDEO CD	Contains recordings of pictures and sound whose quality is roughly comparable to that of video tape. This player also supports video CDs with playback control (version 2.0).
	You can enjoy 5.1 (or 6) channels of high fidelity digital sound from various digital input sources such as DVD, CD etc. DTS provides a realistic, clear surround sound that has not previously been available from conventional surround sound.
	5.1 (or 6) Channel Digital Surround sound reproduced from DVDs and LDs recorded as a digital signals (with  disc marking). With better sound quality, dynamic range, and directionality than traditional Dolby surround technology, you can enjoy dynamic, realistic sound.
	A 4 channel analog sound reproduced from a program source such as a videotape or LD with the  mark. You can enjoy a more realistic, robust sound unavailable from regular stereo sources.



Memo