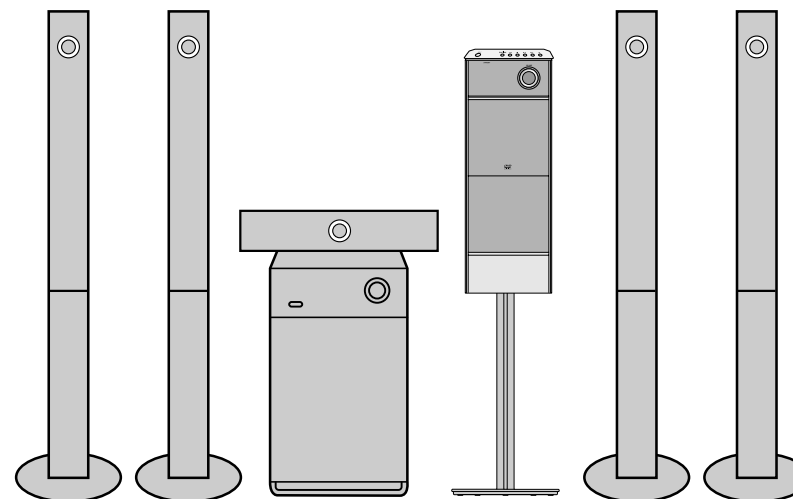




SLIM DIGITAL HOME THEATER SYSTEM **HT-P1200**

THIS APPLIANCE IS MANUFACTURED BY:

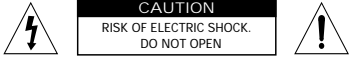
Instruction Manual



AH68-01720K

Safety Warnings

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



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

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

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

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.

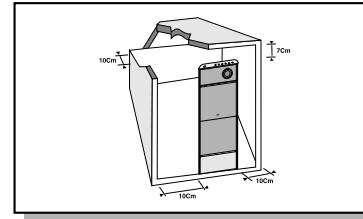


This symbol alerts you to important operating and maintenance instructions accompanying the unit.

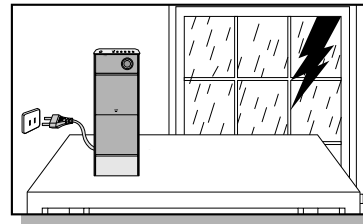
WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

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

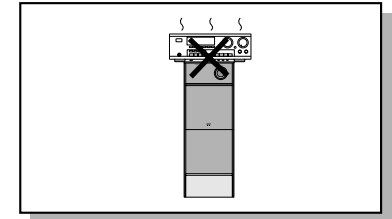
Precautions



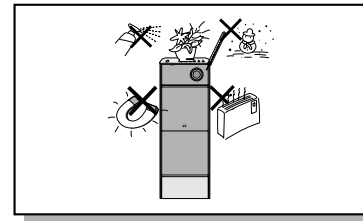
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3-4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



During thunderstorms, disconnect AC main plug from the wall outlet.
 Voltage peaks due to lightning could damage the unit.



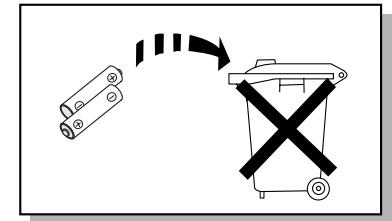
Do not expose the unit to direct sunlight or other heat sources.
 This could lead to overheating and malfunction of the unit.



Protect the player from moisture (i.e. vases), and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i.e. speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use. Use of this product is for personal use only.

Condensation may occur if your player or disc has been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The batteries used with this product contain chemicals that are harmful to the environment.
 Do not dispose of batteries in the general household trash.

Features

Multi-Disc Playback & FM Tuner

The HT-P1200 combines the convenience of multi-disc playback capability, including DVD-AUDIO, DVD-VIDEO, VCD, SACD, CD, MP3-CD, WMA-CD, DivX, CD-R/RW, and DVD-R/RW, with a sophisticated FM tuner, all in a single player.

DVD-Audio compatible

Experience the super high-quality audio performance of DVD-Audio. The on-board 24-bit/192kHz DAC enables this player to deliver exceptional sound quality in terms of dynamic range, low-level resolution and high-frequency detail.

USB Host Play

You can enjoy media files such as pictures, movies and tunes saved in an MP3 player, digital camera, or USB memory by connecting the storage device to the USB port of the home theater.

SACD Play

You can listen to high quality multi-channel sound that exceeds regular CD playback.

SDSM-EX (360 Degree Surround Sound)

SDSM-EX is a proprietary audio technology that provides 360-degree surround technology.

Logo Sound

When you turn on the power, a 'sound logo' will be heard.

TV Screen Saver Function

The HT-P1200 automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop mode.

The HT-P1200 automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

AV SYNC Function

Video may lag behind the audio if the unit is connected to a digital TV. To compensate for this, you can adjust the audio delay time to sync up with the video.

HDMI

HDMI transmits DVD video and audio signals simultaneously, and provides a clearer picture.



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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.)

Playable Discs

Disc Type	Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-AUDIO DVD-VIDEO		Audio + Video	12cm	Approx. 240 min. (single-sided) Approx. 480 min. (double-sided)
			8cm	Approx. 80 min. (single-sided) Approx. 160 min. (double-sided)
VIDEO-CD		Audio + Video	12cm	74 min.
			8cm	20 min.
AUDIO-CD		Audio	12cm	74 min.
			8cm	20 min.
DivX		MPEG4 MP3	12cm	74 min.
			8cm	20 min.
Super Audio CD		Audio	12cm	74 min.

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM and DVD-ROM discs 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.

Disc Recording Format

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc. Do not use CD-R disk over 700MB/80 minute as much as possible since it may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

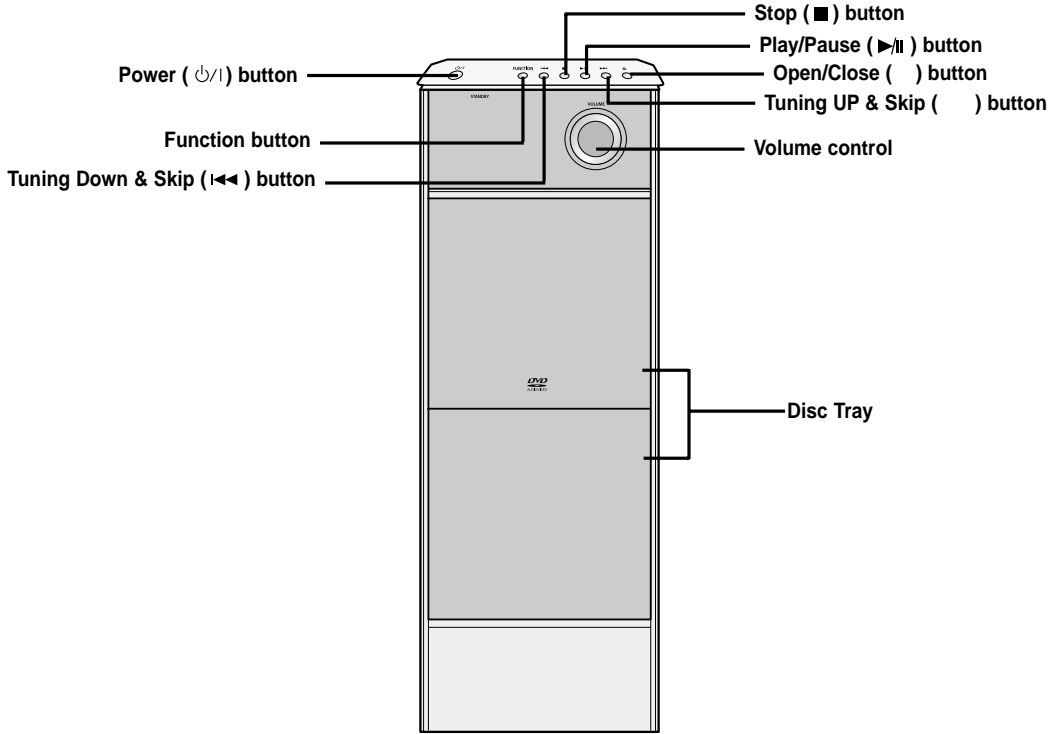
- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written Multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 500 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

CD-R JPEG Discs

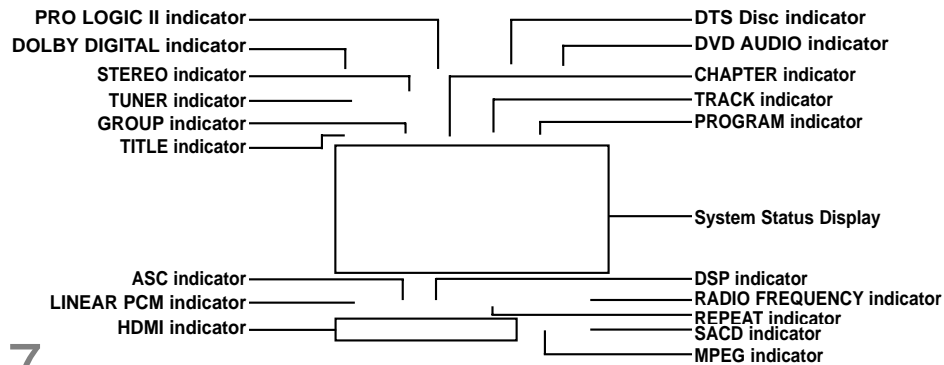
- Only files with the ".jpeg" and ".JPEG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

Description

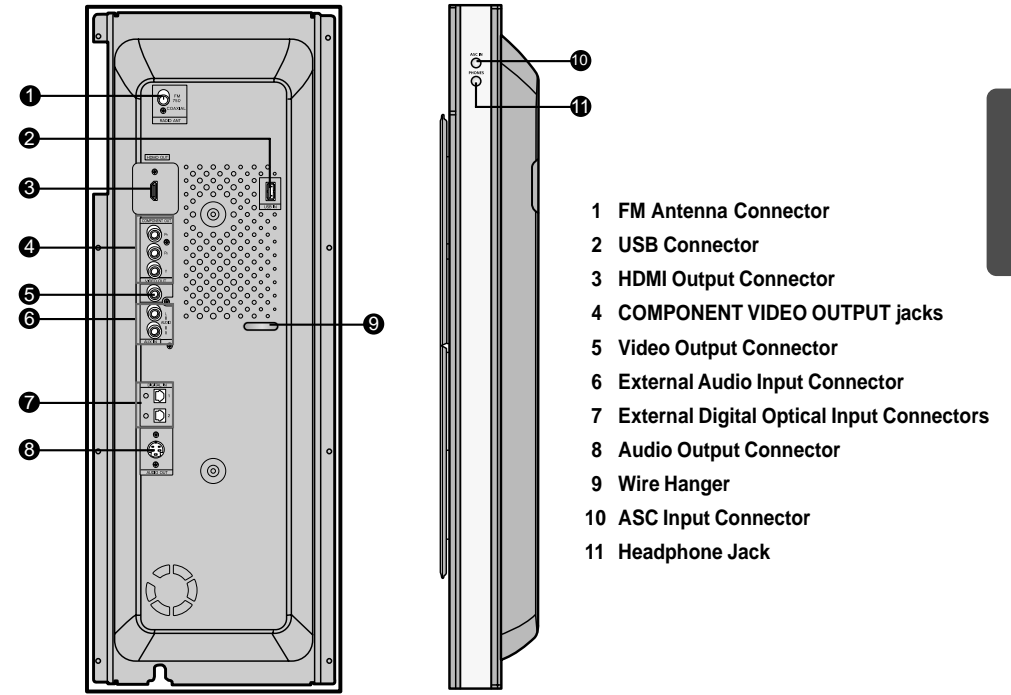
—Front Panel—



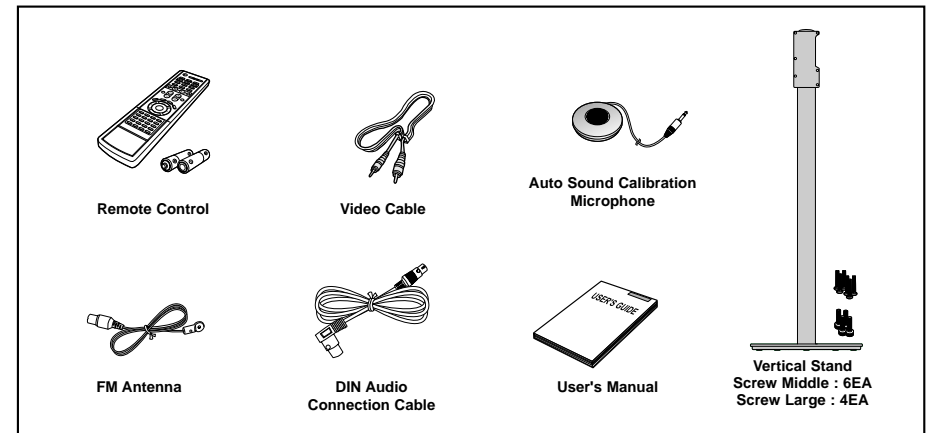
Display



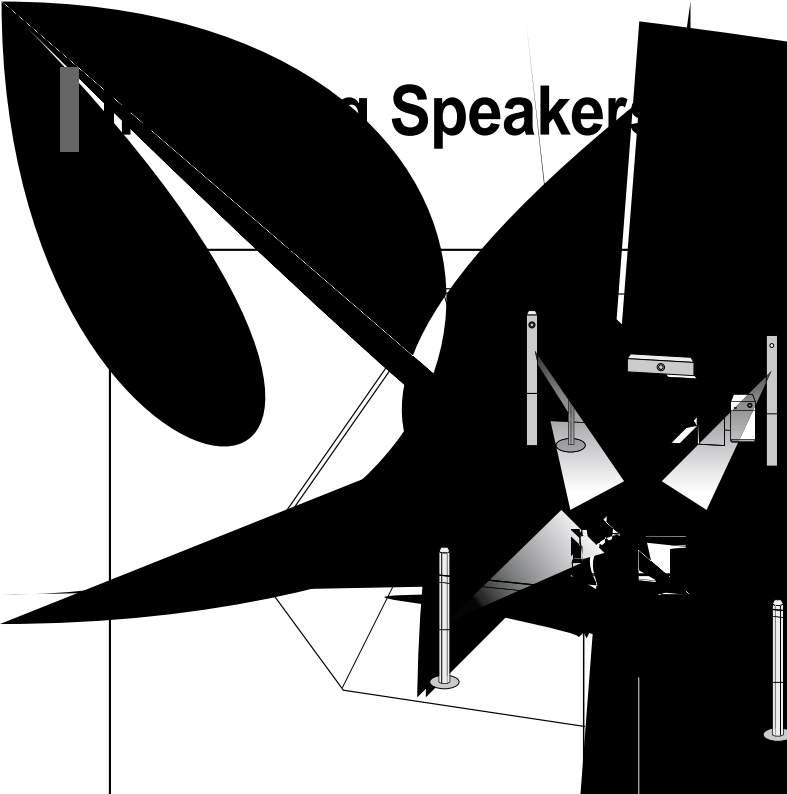
—Rear Panel—



Accessories

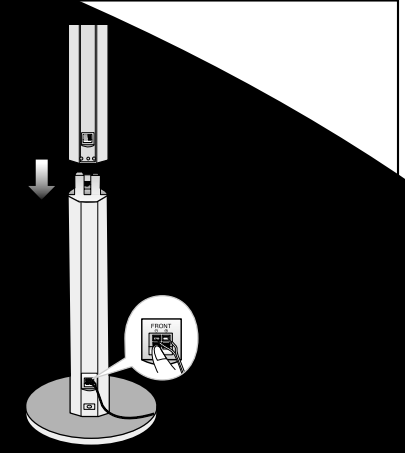


Speakers



Assembling the Speakers

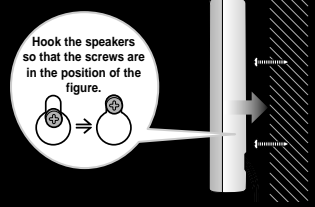
- 1 Set the front speaker on the front stand.
- 2 Connect the front speaker cable to the rear side of the front stand.
- 3 Fix the speaker and the stand with the screws.



CONNECT

Note

To mount the speakers on the wall

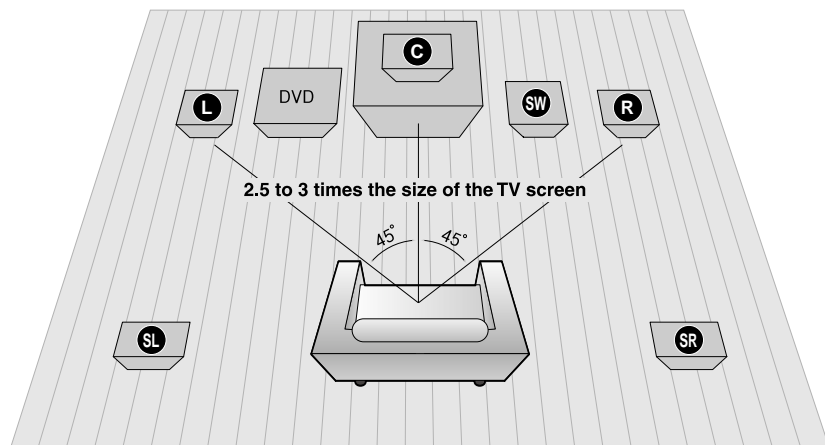


Speaker Packages

Please include

<p>Front/Rear Speaker (4EA)</p>	
<p>Subwoofer Speaker</p>	<p>Center Speaker</p>





Front Speakers

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.
- Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker

Rear Speakers

- Place these speakers behind your listening position.
- If there isn't enough room, place these speakers so they face each other.
- Place them about 60 to 90cm (2 to 3feet) above your ear, facing slightly downward.

* Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

Subwoofer

- The position of the subwoofer is not so critical. Place it anywhere you like.

HDMI Function

What is HDMI (High Definition Multimedia Interface)?

This device transmits DVD video signal digitally without the process of converting to analog. You can get sharper digital pictures by connecting the video to your TV using an HDMI connection cable.

HDMI Audio ON/OFF function

- The audio signals transmitted over the HDMI Cable can be toggled ON/OFF.

Press the **HDMI AUDIO SELECT** button on the remote control.

- This toggles between "AUDIO ON" and "AUDIO OFF" on the display.
- AUDIO ON** : Both video and audio signals are transmitted over the HDMI connection cable, and audio output is through the TV speakers only.
- AUDIO OFF** : Video is transmitted over the HDMI connection cable only, and audio output is through the home theater speakers only.

Note

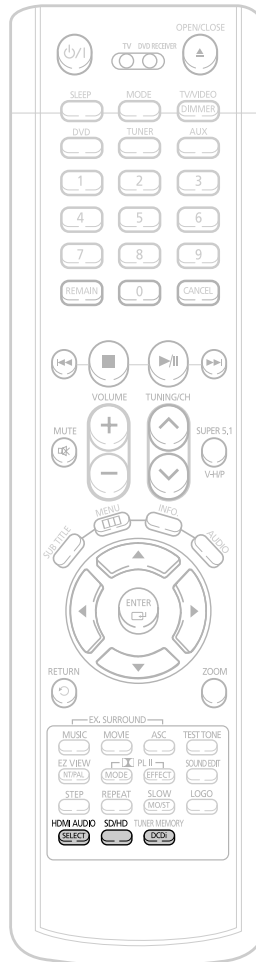
- The default setting value of this product is HDMI AUDIO OFF.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.
- If you turn the unit off and on, or switch functions when the HDMI AUDIO is automatically set to OFF.

DCDi (Directional Correlational Deinterlacing) Function

Converts the interlace signal to progressive to prevent flickering and to remove distortion or noise on the edge of screen.

Press and hold **DCDi** button on the remote control for over 3 seconds.

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



Resolution Selection

- This function allows the user to select screen resolution for HDMI output.

In Stop mode, press and hold the **SD/HD** (Standard Definition/High Definition) button on the remote control.

- SD (Standard Definition) means resolution of 480p and HD (High Definition) means resolution of 720p/1080i.

Example: If the TV supports resolution up to 480p

Press the **SD/HD** button.

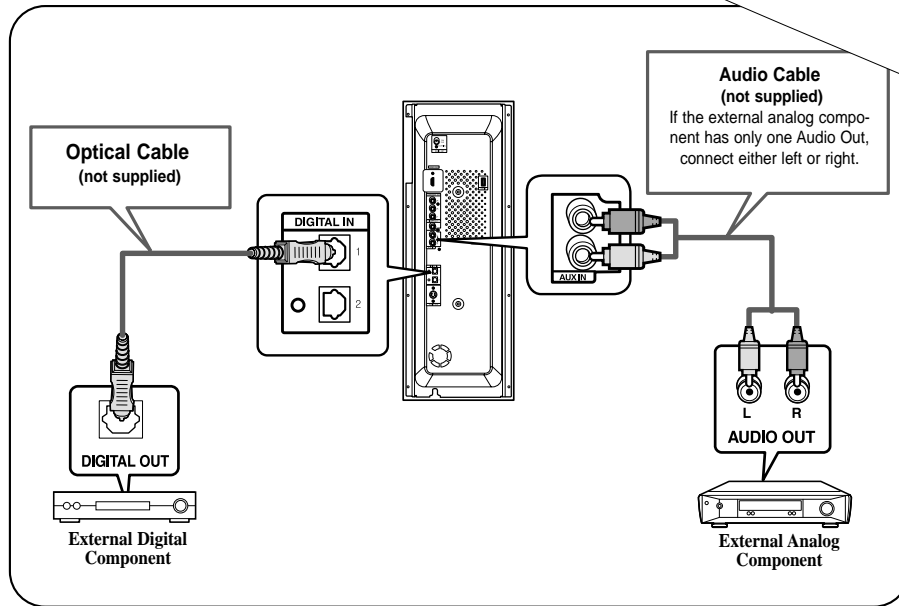
- A 480p video signal is output through the HDMI output.
- If the TV does not support the configured resolution, you will not be able to see the picture properly.

Note

- Since this product has an embedded Video Upscaler function with Faroudja DCDi technology, it can enhance a 576i(480i) DVD resolution output to 480p/720p/1080i.
- You do not have to make separate adjustments, since the Home Theater and TV will be automatically adjust themselves to the optimal resolution and aspect ratio if connected to HDMI. (If the TV is an HDTV and has an HDMI Input jack, output is automatically converted to 1080i resolution (if supported by the TV).)
- For component video output, only 480P is supported.
- When both HDMI and COMPONENT jacks are connected, COMPONENT video is not displayed.
- See your TV owner's manual for more information on how to select the TV's Video Input source.

Connecting an External Digital, Analog

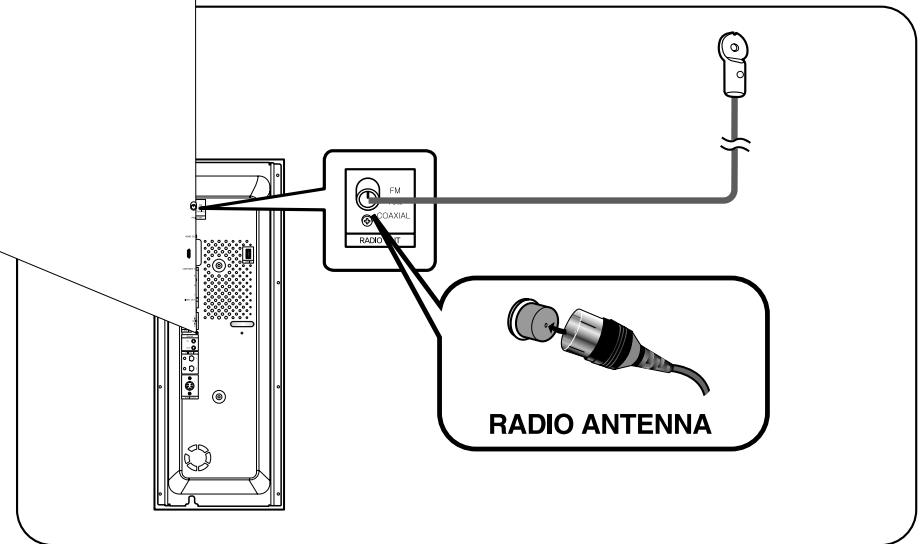
Example: Digital signal components such as a Set-top Box or CD Recorder.
Analog signal components such as a VCR or TV.



- 1 Connect the Digital In 1 or 2 (OPTICAL) on the main unit to the Digital Output on the external digital component.
- 2 Connect Audio In on the Home Theater to Audio Out on the external analog component.
 - Be sure to match connector colors.
- 3 Press **AUX** on the remote control to select 'D.IN 1 / D.IN 2 / AUX'.
 - Each time the button is pressed, the selection changes as follows: **USB** → **D.IN 1** → **D.IN 2** → **AUX**.
 - You can also use the **FUNCTION** button on the main unit.
The mode switches as follows: **DVD/CD** → **D.IN 1** → **D.IN 2** → **AUX** → **USB** → **FM**.

Note

- To listen to the audio from the TV in 5.1 channel through the main unit, press the Dolby Pro Logic II or the SUPER 5.1 button.
- You can connect Video Output jack on the VCR to the TV, and connect Audio Output jack on the VCR to this product.

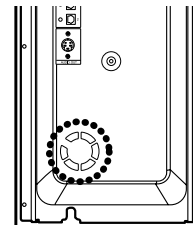


FM antenna connection

- 1 Connect the FM antenna supplied to the FM 75Ω COAXIAL terminal.
- 2 Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

Cooling Fan

The cooling fan supplies cool air to the unit to prevent overheating.



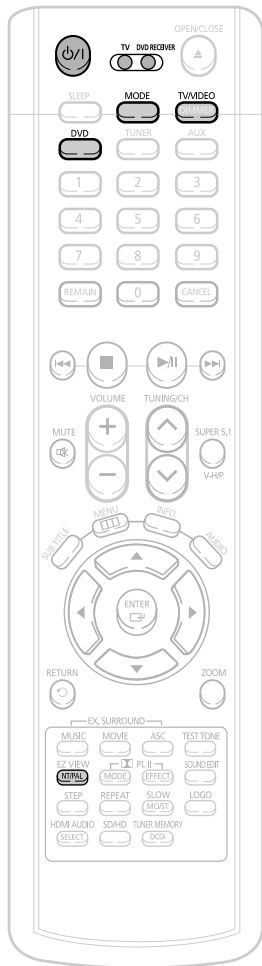
Please observe the following cautions for your safety.

- Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit could rise and may damage it.
- Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)

Before Using Your Home Theater

Your Home Theater is capable of playing DVD, CD, MP3, DivX and JPEG discs.
Depending on the disc you are using, these instructions may vary slightly. Read the instructions carefully before using.

To Operate the TV and DVD Player with a Single Remote Control



1 Plug the main unit's power cord into the AC power supply.

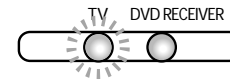
4 Press **TV/VIDEO** button to select VIDEO mode.



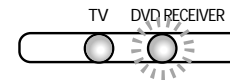
Note

- Buttons Enabled for TV Operation: POWER, CHANNEL, VOLUME, TV/VIDEO, and Numeric (0-9) buttons.
- By default, the remote control is set to work with Samsung TVs. See page 75 for more information on the operation of the remote control.

2 Press **MODE** button until the TV indicator lights red.



5 Press the **MODE** button until the DVD RECEIVER indicator lights green.



3 Press **POWER** button to turn on the main unit and then press **DVD** button to select "DVD/CD" function of the remote control.



6 Press **FUNCTION** button on the main unit or DVD on the remote to select DVD/CD mode.

Selecting the Video Format

Press and hold **NT/PAL** button on the remote controller for over 5 seconds while the power is turned off.

- By default, the video format is set to "PAL".
- "NTSC" or "PAL" will appear in the display.
At this time, press the **NT/PAL** button shortly to select between "NTSC" and "PAL".
- Each country has a different video format standard.
- For normal playback, the video format of the disc must be the same as the video format of your TV.

1 Press **OPEN/CLOSE** button to open the disc tray.

2 Insert the disc so that the printed side faces out.

3 Press **OPEN/CLOSE** button to close the disc window.

- The disc plays automatically when the disc window is closed.
- The disc menu may appear differently depending on the disc.



- Playback starts automatically.

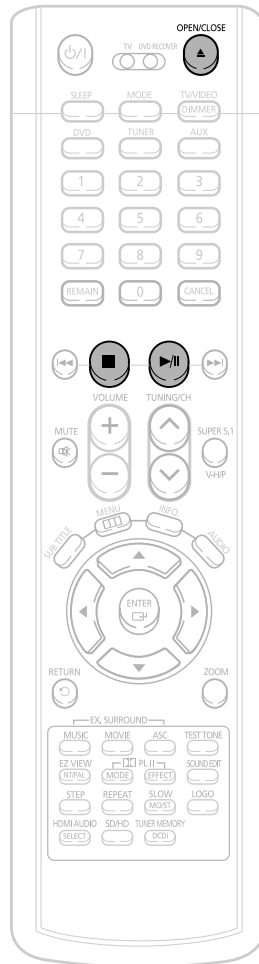
Note • Depending on the content of the disc, the initial screen may appear different.

To stop playback, press **STOP** during playback.

- If pressed once, "PRESS PLAY" is displayed and the stop position will be stored in memory. If **PLAY/PAUSE** (▶/||) button or **ENTER** button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, "STOP" is displayed, and if **PLAY/PAUSE** (▶/||) button is pressed, playback starts from the beginning.

To temporarily pause playback, press **PLAY/PAUSE** during playback.

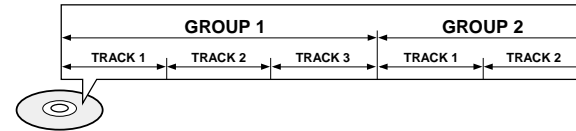
- To resume playback, press **PLAY/PAUSE** (▶/||) button again.



Disc terminology

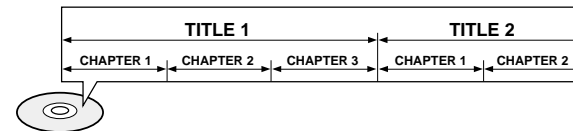
Groups and tracks (DVD-AUDIO)

- DVD-audio is divided into several large sections called "groups" and smaller sections called "tracks". Numbers are allotted to these sections. These numbers are called "group numbers" and "track numbers".



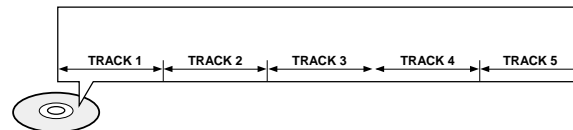
Titles and chapters (DVD-VIDEO)

- DVD-video is divided into several large sections called "titles" and smaller sections called "chapters". Numbers are allotted to these sections. These numbers are called "title numbers" and "chapter numbers".



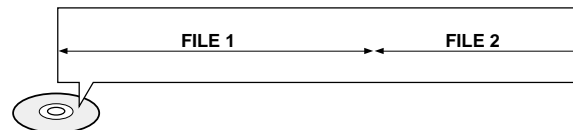
Tracks (SACD, Video and music CDs)

- Video and music CDs are divided into sections called "tracks". Numbers are allotted to these sections. These numbers are called "track numbers".

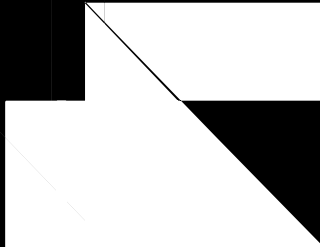


Files (DivX)

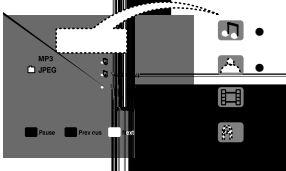
- DivX is divided into sections called "files". Numbers are allotted to these sections. These numbers are called "file numbers".



- Note** • In this manual, the instructions marked with "DVD (DVD)" are applicable to DVD-VIDEO, DVD-AUDIO, and DVD-R/RW discs. Where a particular DVD type is mentioned, it is indicated separately.
- Depending on the content of the disc, the initial screen may appear different.



-
-
-



JPEG File Playback JPEG

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

Press the **OPEN/CLOSE** button to open the disc windows, 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

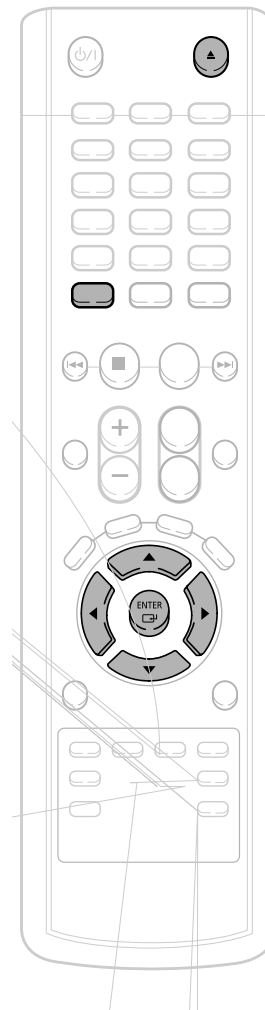
During playback, press ▲▼◀▶.

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

JPEG limitation

The maximum resolution is 5120 x 3840 (or 19.0 MPixel) for baseline images, and 2048 x 1536 (3.0 MPixel) for progressive images.
 There is no filesize limitation.
 The decoder is device independent, thus above applies to USB and other devices as well.

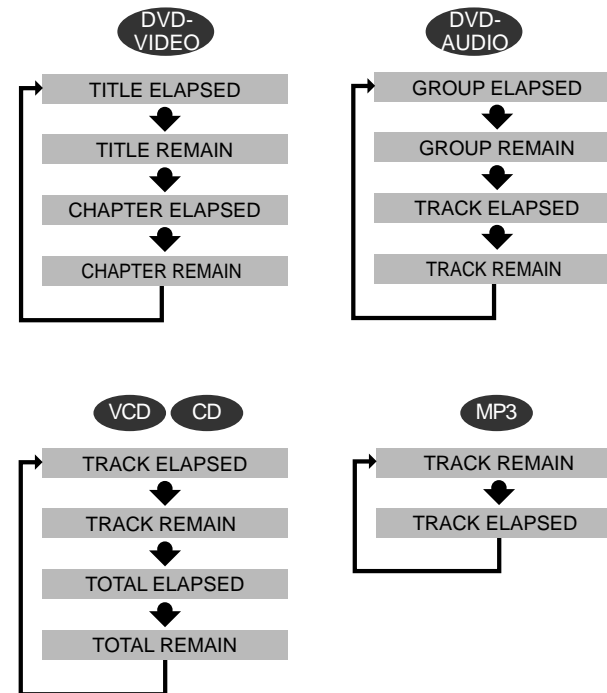
Progressive JPEG images — those that appear gradually as the image is being downloaded.



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



Skip Forward/Back

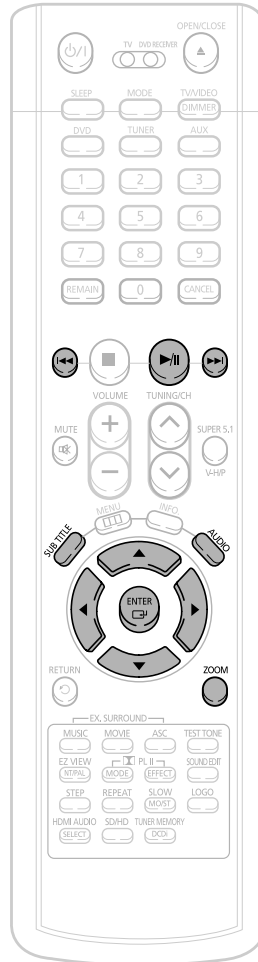
During playback, press the **⏮️⏭️** button.

- Goes to the next file whenever you press **⏭️** button, if there are over 2 files in the disk.
- Goes to the previous file whenever you press **⏮️** button, if there are over 2 files in the disk.

Fast playback

To play back the disc at a faster speed, press and hold **⏮️** or **⏭️** during playback.

- Each time you press and hold either button, the playback speed will change as follows:
2x → 4x → 8x → 32x → Normal.

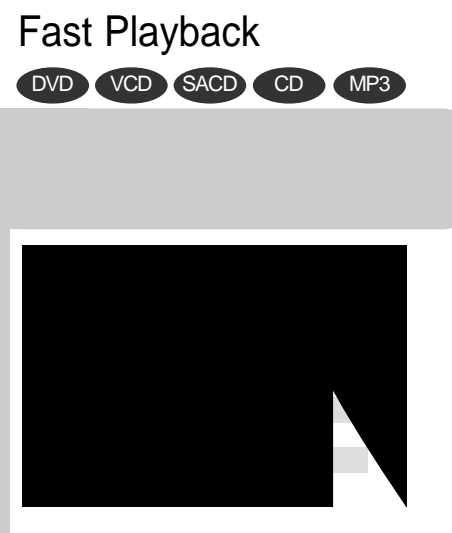


- DivX file can be zoomed only in ZOOM X2 mode.
- DivX files have .Avi file extensions, however, not all .Avi files are DivX and may not be playable in this unit.



Displaying Disc Information

You can view disc playback information on the TV screen.



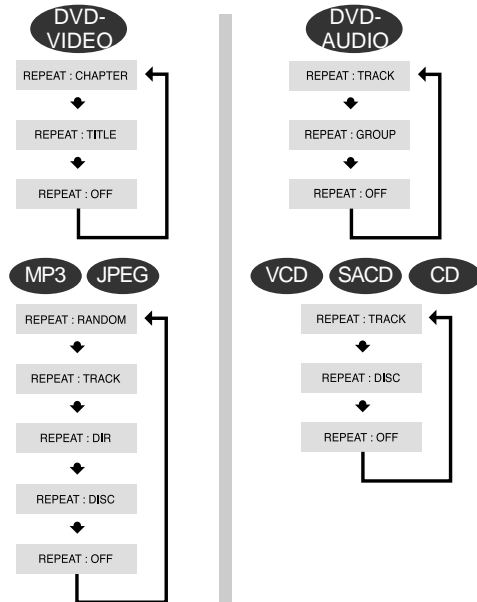
Repeat Playback

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

DVD VCD SACD CD MP3 JPEG

Press **REPEAT** button.

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



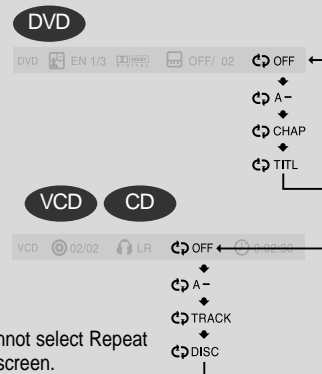
Repeat Playback Options

- 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.

To Select a Repeat Playback Mode in the Disc Information Screen

- Press **INFO** button twice.
- Press Cursor **▶** button to move to REPEAT PLAYBACK () display.
- Press Cursor **▼** button to select the desired Repeat Playback mode.
- Press **ENTER** button.

* For MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.



Note

- Repeat playback operation is not possible with version 2.0 VCD discs if PBC is turned on. To use Repeat Playback on a VCD with PBC, you should set the PBC to OFF in the disc menu. (See page 44.)

A-B Repeat Playback

You can repetitively play back a designated section of a DVD.

DVD VCD CD

- Press **INFO** button twice.

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

DVD EN 1/3 OFF/ 02 OFF

- Press Cursor **▶** button to move to REPEAT PLAYBACK () display.

DVD EN 1/3 OFF/ 02 OFF

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

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

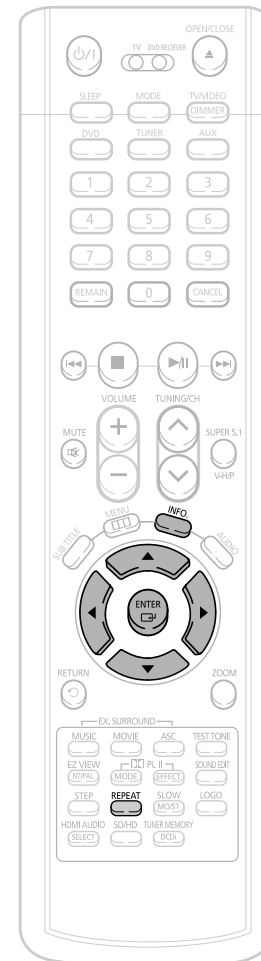
DVD EN 1/3 OFF/ 02 A-

DVD EN 1/3 OFF/ 02 A-? REPEAT : A-

- Press **ENTER** button at the end of the desired segment.

- The specified segment will be played repeatedly.

DVD EN 1/3 OFF/ 02 A-B REPEAT : A-B



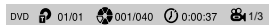
- To return to normal playback, press Cursor **▲**, **▼** buttons to select **OFF**.

Note

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

DVD

Press **INFO** button.

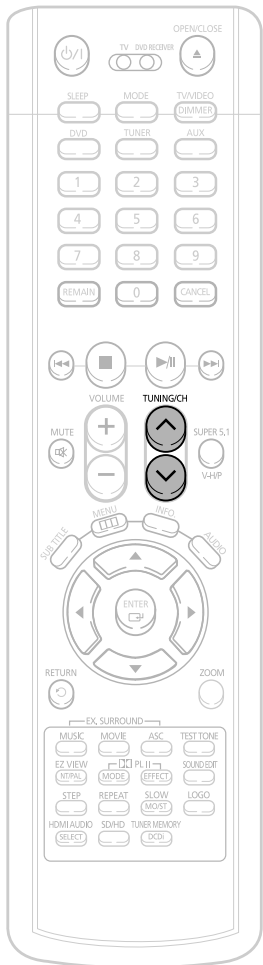


2 Press Cursor button to move to ANGLE () display.

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

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

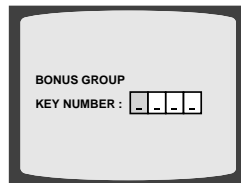




Bonus Group DVD-AUDIO

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 **TUNING/CH** 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.

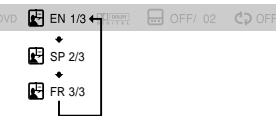
Audio Language Selection Function DVD

1 Press **INFO** button twice.



2 Press Cursor **▲**, **▼** buttons 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.



Note

- You can use the **AUDIO** button on the remote control to select a audio language.

Subtitle Language Selection Function DVD

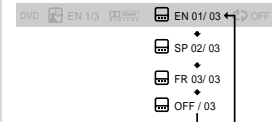
1 Press **INFO** button twice.



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

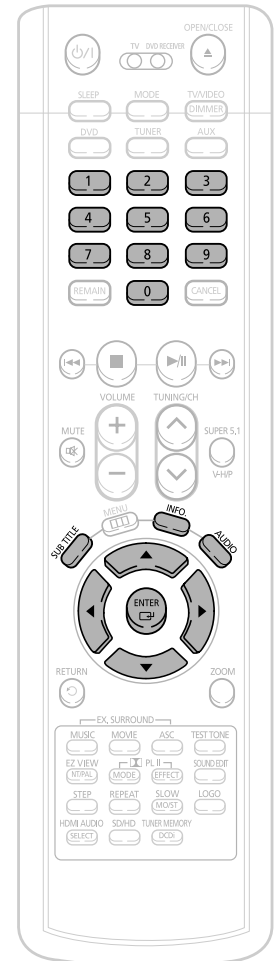


3 Press Cursor **▼** button or numeric buttons to select the desired subtitle.



Note

- To operate this function, you can also press the Select **AUDIO** or Select **SUBTITLE** buttons on the remote control.
- You can use the **SUBTITLE** button on the remote control to select a subtitle language.
- Depending on the disc, the Subtitle and Audio Language functions may not work.

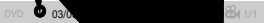


DVD VCD SACD CD

1 Press **INFO** button.



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

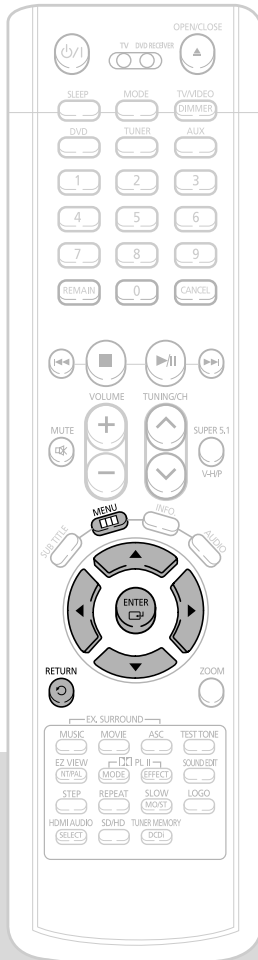


MP3 JPEG

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

Setting the Language

OSD (On-Screen Display) language is set to English by default.



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



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



3 Select 'Language' and then press **ENTER** button



4 Press Cursor **▲, ▼** button to select 'OSD Language' and then press **ENTER** button.



5 Press Cursor **▲, ▼** 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.

Note

- To select another language, select OTHER and enter the language code of your country. (See page 78 for language codes)
AUDIO, SUB TITLE and DISC MENU language can be selected.



Selecting the OSD Language



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.

ing TV Screen.

Wide Screen or conventional 4:3), you can see

code,

2

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

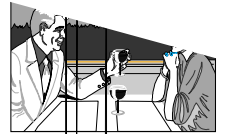
The definition TVs of different screen sizes, you should select

- For a standard TV, select either "4:3LB" or "4:3PS". Select "16:9" if you have a widescreen TV.

WIDE

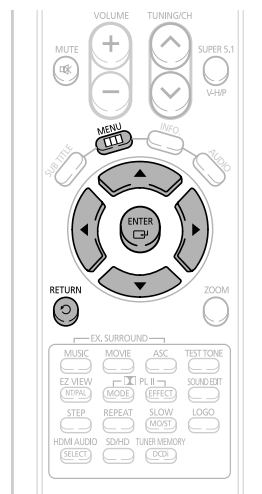
: Select this to view a 16:9 picture in the full-screen mode on your widescreen TV.
• You can enjoy the widescreen aspect.

: Select this to play a 16:9 picture in the letter box mode on conventional TV.



Setting Parental Controls (Rating Level)

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



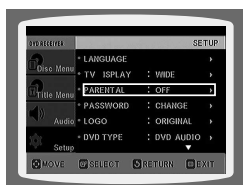
1 In Stop mode, press **MENU** button.



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

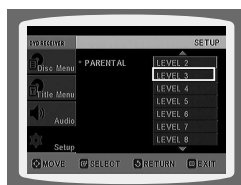


3 Press Cursor **▼** button to move to 'PARENTAL' and then press **ENTER** button.



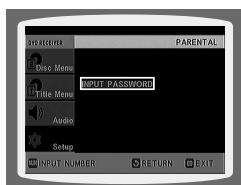
4 Press Cursor **▲, ▼** button to select the desired rating level and then press **ENTER** button.

- If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
- The higher the level, the closer the content is to violent or adult material.



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.



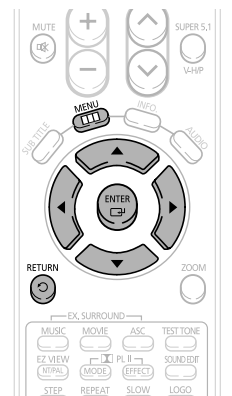
Note • This function works only if a DVD disc contains the rating level information.

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

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

Setting the Password

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



1 Press **MENU** button.



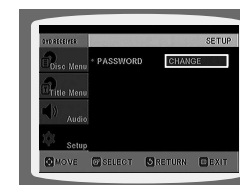
2 Press Cursor **▼** button to move to 'Setup' and then press **ENTER** button.



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

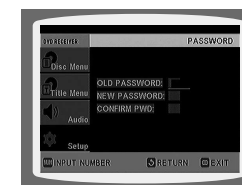


4 Press **ENTER** button.



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

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

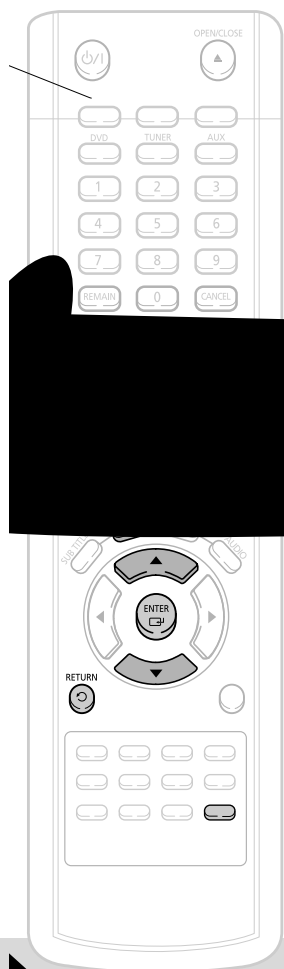


Note • The password is set to "7890" by default.

If you have forgotten the rating level password, do the following:

- While the player is in the no disc mode, hold the main unit's **○** button for longer than 5 seconds. "INITIALIZE" appears on the display and all settings will return to the default values.
- Press the POWER button.

Using the **RESET** function will erase all stored settings. Do not use this unless necessary.



To select one of the 3 wallpaper settings you've made

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



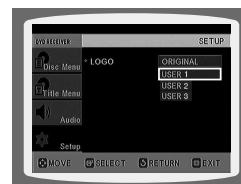
2 Press Cursor **▼** button to move to 'Setup' and then press **ENTER** button.



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



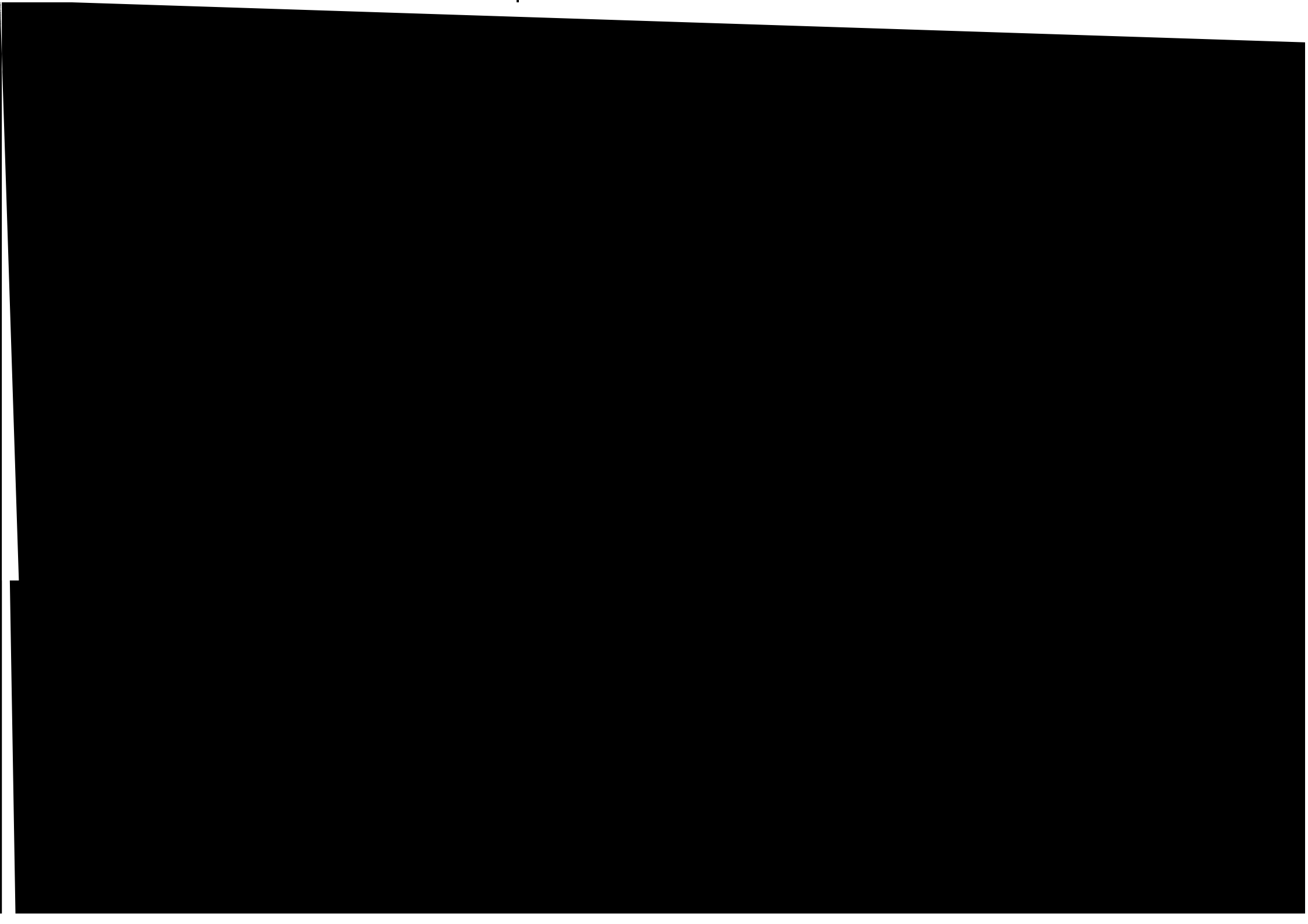
4 Press **▼** to select the desired 'USER', and then press **ENTER**.



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

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.



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



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



4 Press Cursor \blacktriangle , \blacktriangledown , \blacktriangleleft , \blacktriangleright buttons to move to the desired speaker and then press **ENTER** button.

- For C, SL, and SR, each time the button is pressed, the mode switches alternately as follows: SMALL \rightarrow 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 connected.

Note

- Depending on PRO LOGIC and STEREO settings, the speaker mode may vary (see page 63).

Setting the Test Tone

Use the Test Tone feature to check the speaker connections.

1 In Stop or no disc mode, press **MENU** button.



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

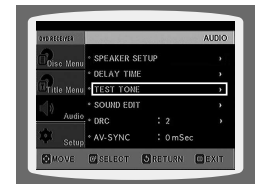


Press **RETURN** button to return to the previous level.

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

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

- The test tone will be sent to L \rightarrow C \rightarrow R \rightarrow SR \rightarrow SL \rightarrow SW in order. If the ENTER button is pressed again at this time, the test tone will stop.



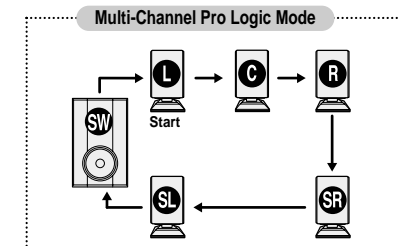
Alternate method: press the **TEST TONE** button on the remote.

Press **TEST TONE** button.

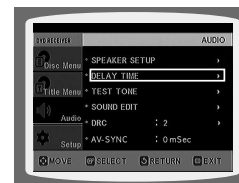
- Test tone will be produced as follows: When playing a DVD or CD, this will work only in Stop mode.
- Use this function to check that each speaker is correctly connected and that there is no problem.

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

L: Front Speaker (L) C: Center Speaker SW: Subwoofer
 R: Front Speaker (R) SL: Rear Speaker (L) SR: Rear Speaker (R)



3 Press Cursor \blacktriangledown button to move to 'DELAY TIME' and then press ENTER button.



4 Press Cursor \blacktriangle , \blacktriangledown , \blacktriangleleft , \blacktriangleright buttons to move to the desired speaker and then press ENTER button.



5 Press Cursor \blacktriangleleft , \blacktriangleright to set the Delay time.



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

• Setting CENTER SPEAKER

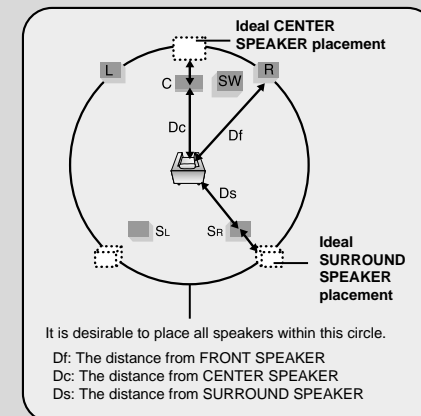
If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	Delay Time
0.00 m	0 ms
0.34 m	1 ms
0.68 m	2 ms
1.02 m	3 ms
1.36 m	4 ms
1.70 m	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
0.00 m	0 ms
1.02 m	3 ms
2.04 m	6 ms
3.06 m	9 ms
4.08 m	12 ms
5.10 m	15 ms





Adjust
4 Press
EDIT
then pres
◀, ▶.

previous lev
n.

Note

- The adjustments will be reflected on the unit's display, not on you.
- Adjusting Front/Rear Speaker Level**
You can select between 00 and -6dB. The volume decreases as you move the level down.
- Center/Rear/Subwoofer Speaker Level**
The level can be adjusted in steps of 2dB. The volume increases as you get closer to 0dB and decreases 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 In Stop mode, press **MENU** button.



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

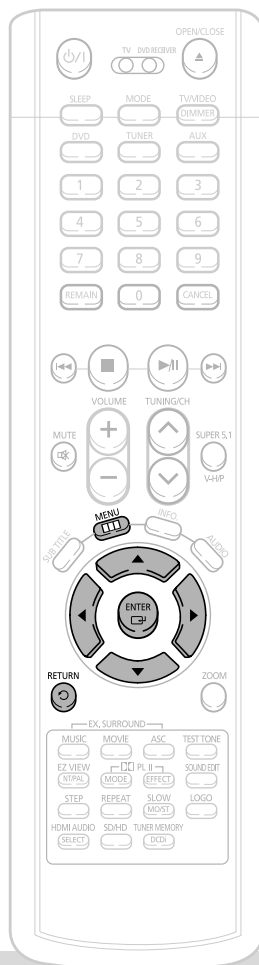
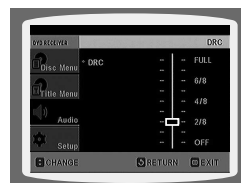


3 Press Cursor **▼** button to move to 'DRC' and then press **ENTER** button.



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

- When the Cursor **▲** button is pressed, the effect is greater, and when the Cursor **▼** button is pressed, the effect is smaller.



AV SYNC Setup

Video may look slower than the audio if it is connected to a digital TV. If this occurs, adjust the audio delay time to match the video.

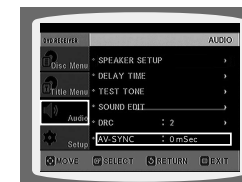
1 Press the **MENU** button.

- Setup menu appears.



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

- 'Audio' menu appears.

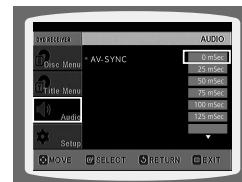


3 Press Cursor **▲, ▼** buttons to move to 'AV-SYNC' and then press **ENTER** button.

- AV-SYNC screen appears.

4 Press Cursor **▲, ▼** buttons to select the AV-SYNC Delay Time and then press the **ENTER** button.

- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.



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

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

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

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



Auto Sound Calibration Setup



Auto Sound Calibration Microphone

For illustrative purposes only and may differ from the actual product.

L: Front Speaker (L) R: Front Speaker (R)
 C: Center Speaker SW: Subwoofer
 SL: Rear Speaker (L) SR: 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.

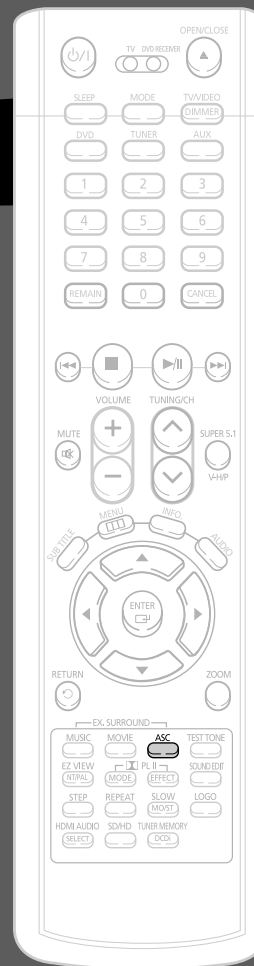
To Turn the Sound Logo On/Off

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

- Press and hold **ASC** button.
 - "S.LOGO ON" or "S.LOGO OFF" appears in the display.
- 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

- Press and hold **ASC** button twice.
 - "ASC CHECK" appears in the display.
- 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 less than 3 m: Set the main unit's volume to 15.

4 Press **ASC** button.

- To create the optimal 5.1 channel sound filed, the selections are in the following sequence: L → C → R → SR → SL → SW
- The auto sound calibration setup takes about 2 minutes to complete.



A tone is output.



A result for each speaker is displayed.

A bell sounds 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 is cancelled.

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

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

Live Surround Mode

SUPER 5.1

You can reproduce a 2-channel sound source, such as 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 channels.

MUSIC

If you press the **MUSIC** button when listening to a 2-channel sound source, it will be reproduced in 4.1-channel surround sound so that you can enjoy a dynamic sound with a sense of presence.

Press **MUSIC** button.

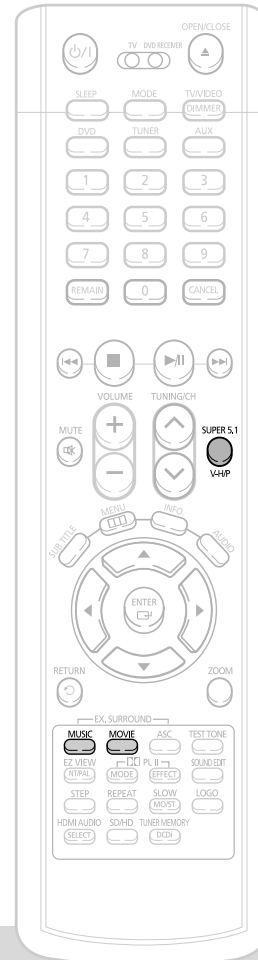
- Each time the button is pressed, the selection changes as follows: **CONCERT1** → **CONCERT2** → **JAZZ CLUB** → **CATHEDRAL** → **BYPASS**.

MOVIE

You can select from 4 different sound field modes for movies.

Press **MOVIE** button.

- Each time the button is pressed, the selection changes as follows: **VIRTUAL 9.1** → **EX.MOVIE** → **CINEMA** → **SPORTS** → **BYPASS**.
- **VIRTUAL 9.1**: Provides surround sound effect for audiences at home that simulates 9.1 channel surround sound of a movie theater.

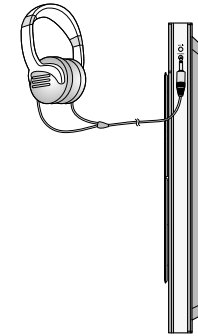


Virtual Headphone Function

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

1 Plug the headphones into the headphone jack.

- You can purchase headphones from most Electronics stores.



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

- Each time the button is pressed, the selection alternates between **V-H/P ON** and **V-H/P OFF**.

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.
- This function does not work with SACD or DVD-AUDIO discs.
- 5.1 channel outputs are available in VIRTUAL 9.1 or EX. MOVIE mode only.

Note

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

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

Listening to Radio

Remote Control Unit

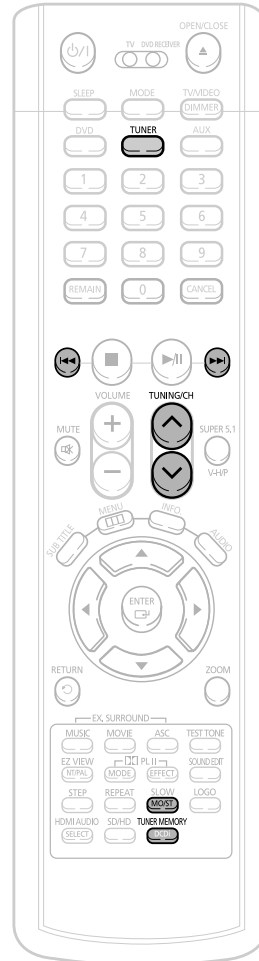
1 Press **TUNER** button.

2 Tune in to the desired station.

Automatic Tuning 1 When **◀▶▶▶▶** is pressed, a preset broadcast station is selected.

Automatic Tuning 2 Press and hold **TUNING/CH** to automatically search for active broadcasting stations.

Manual Tuning Briefly press **TUNING/CH** to increase or decrease the frequency incrementally.



Main Unit

1 Press the **Function** button to select the desired band (FM).

2 Select a broadcast station.

Automatic Tuning 1 Press the **STOP** (■) button to select PRESET and then press **◀▶▶▶▶** button to select the preset station.

Automatic Tuning 2 Press the **STOP** (■) button to select "MANUAL" and then press and hold **◀▶▶▶▶** button to automatically search the band.

Manual Tuning Press **STOP** (■) to select MANUAL and then briefly press **◀▶▶▶▶** to tune in to a lower or higher frequency.

Presetting Stations

You can store up to: 15 FM stations

GB

Example: Presetting FM 89.1 in the memory

1 Press the **TUNER** button and select the FM band.



2 Press **TUNING/CH** to select "89.10".

- Refer to Step 2 on page 69 to automatically or manually tune in to a station.



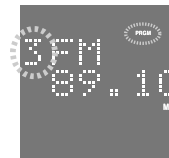
3 Press the **TUNER MEMORY** button.

- "PRGM" flashes in the display.



4 Press **◀▶▶▶▶** to select preset number.

- You can select between 1 and 15.



5 Press the **TUNER MEMORY** button again.

- Press the **TUNER MEMORY** button before 'PRGM' disappears from the display.
- 'PRGM' disappears from the display and the station is stored in memory.



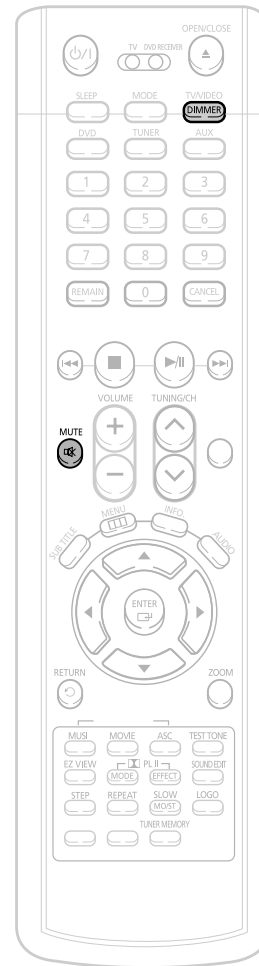
6 To preset another station, repeat steps 2 to 5.

RADIO OPERATION

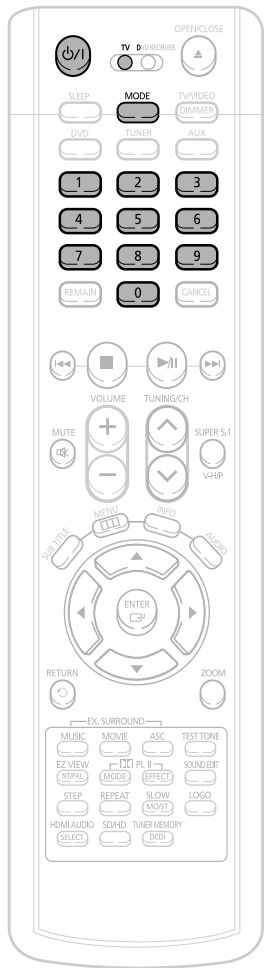
Press **MO/ST** button to listen in Mono/Stereo.

- Each time the button is pressed, the sound switches between "STEREO" and "MONO".
- In a poor reception area, select MONO for a clear, interference-free broadcast.

To tune in to a preset station, press **◀▶▶▶▶** on the remote control to select a channel.



Operating a TV with the Remote Control



When operating a TV with the remote control

1 Press the **MODE** button to make the TV indicator on the remote control 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?
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 "NO DISC" message appears on the display of main unit, hold the main unit's  button for longer than 5 seconds. "INITIALIZE" 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 skipping. 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



Caution

- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

● 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.

Language Code List

Enter the appropriate code number for the initial settings "Disc Audio", "Disc Subtitle" and/or "Disc Menu" (See page 45).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoan
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laothian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

USB Host Feature Supported Products

Digital Camera

Product	Company	Type
PowerShot A70	Canon	Digital Camera
A90	Canon	Digital Camera
IXY40	Canon	Digital Camera
IXY50	Canon	Digital Camera
A90	Canon	Digital Camera
A95	Canon	Digital Camera
G6	Canon	Digital Camera
S60	Canon	Digital Camera
Exilom Z-40	Casio	Digital Camera
QV-R51	Casio	Digital Camera
Finepix-A340	Fuji	Digital Camera
Finepix-F810	Fuji	Digital Camera
Finepix-F610	Fuji	Digital Camera
Finepix-F450	Fuji	Digital Camera
Finepix S7000	Fuji	Digital Camera
Finepix A310	Fuji	Digital Camera
Easy Save CX-4300	Kodak	Digital Camera
KD-310Z	Konica	Digital Camera
Finecam SL300R	Kyocera	Digital Camera
Finecam SL400R	Kyocera	Digital Camera
Finecam SSR	Kyocera	Digital Camera
Finecam Xt	Kyocera	Digital Camera
Dimage-Z1	Minolta	Digital Camera
Dimage Z1	Minolta	Digital Camera
Dimage X21	Minolta	Digital Camera
Coolpix4200	NIKON	Digital Camera
Coolpix4300	NIKON	Digital Camera
Coolpix 2200	Nikon	Digital Camera
Coolpix 3500	Nikon	Digital Camera
Coolpix 3700	Nikon	Digital Camera
Coolpix 4100	Nikon	Digital Camera
Coolpix 5200	Nikon	Digital Camera
stylus 410 digital	Olympus	Digital Camera
300-digital	Olympus	Digital Camera
u300	Olympus	Digital Camera
X-350	Olympus	Digital Camera
C-760	Olympus	Digital Camera
C-5060	Olympus	Digital Camera
X1	Olympus	Digital Camera
u-mini	Olympus	Digital Camera
Lumix-FZ20	Panasonic	Digital Camera
DMC-FX7GD	Panasonic	Digital Camera

Product	Company	Type
Lumix LC33	Panasonic	Digital Camera
LUMIX DMC-F1	Panasonic	Digital Camera
Optio-S40	Pentax	Digital Camera
Optio-S50	Pentax	Digital Camera
Optio 33LF	Pentax	Digital Camera
Optio 33L	Pentax	Digital Camera
Optio X	Pentax	Digital Camera
SXø	Pentax	Digital Camera
Optio MX	Pentax	Digital Camera
Digimax-420	Samsung	Digital Camera
Digimax-400	Samsung	Digital Camera
Kenox UX4	Samsung	Digital Camera
VPC-AZ1	Sanyo	Digital Camera
Not recognize in PC		
DSC-F828	Sony	Digital Camera
DSC-P73	Sony	Digital Camera
DSC-T1	Sony	Digital Camera
DSC-F88	Sony	Digital Camera
DSC-M1	Sony	Digital Camera
DSC-W1	Sony	Digital Camera
DSC-T3	Sony	Digital Camera
Sora PDR-T30	Toshiba	Digital Camera
Coolpix 5900	Nikon	Digital Camera
Coolpix S1	Nikon	Digital Camera
Coolpix 7600	Nikon	Digital Camera
DMC-FX7	Panasonic	Digital Camera
DMC-LS1	Panasonic	Digital Camera
DMC-LZ2	Panasonic	Digital Camera
IXY-Digital600	Canon	Digital Camera
S5i	Pentax	Digital Camera
Dimage Xt	Minolta	Digital Camera
AZ-1	Olympus	Digital Camera
DSC-W5	Sony	Digital Camera

USB Flash Disk

Product	Company	Type
Cruzer Micro	SanDisk	USB2.0 USB Flash Drive 128M
Cruzer Mini	SanDisk	USB2.0 128M
Cruzer Mini	SanDisk	USB2.0 256M
SONY Micro Vault	SONY	USB2.0 64MB
FLEX DRIVE	serotech	USB2.0 32MB
AnyDrive	A.L tech	USB2.0 128MB
XTICK	LG	USB2.0 128M
Micro Mini	IOMEGA	USB2.0 128M
iFlash	Imation	USB2.0 64M
LG	XTICK(M)	USB2.0 64M
RIDATA	EZDrive	USB2.0 64M

MP3 Player

Product	Company	Type
Creative MuVo NX128M	Creative	128 MB MP3 Player
Iriver H320	Iriver	20G HDD MP3 player
yepp YH-920	samsung	20G HDD MP3 player
yepp YH-925	samsung	20G HDD MP3 player
I-pod	apple	HDD MP3 player(40G)
I-pod mini	Apple	HDD MP3 Player(20G)
yepp (YP-T7)	samsung	MP3 Player
yepp(YP-MT6)	samsung	MP3 Player
yepp(YP-T6)	samsung	MP3 Player
yepp(YP-53)	samsung	MP3 Player
yepp(YP-ST5)	samsung	MP3 Player
yepp(YP-T5)	samsung	MP3 Player
yepp(YP-60)	samsung	MP3 Player
yepp(YP-780)	samsung	MP3 Player
yepp(YP-35)	samsung	MP3 Player
yepp(YP-55)	samsung	MP3 Player
iAUDIO U2	COWON(Korea)	MP3 Player
iAUDIO G3	COWON(Korea)	MP3 Player
iAudio M3	COWON(Korea)	HDD MP3 player
SI-M500L	SHARP(Japan)	256MB MP3Player
H10	IRIVER(Korea)	MP3Player
YEPP YP-T5 VB	Samsung(Korea)	MP3Player
YEPP YP-53	Samsung(Korea)	256MB MP3Player

Multi Card Reader

Product	Company	Type
UNICORN	Unicom	USB 2.0 7 IN 1 CARD READER UC-601R
USB2.0 Card Reader	Billionton(Taiwan)	USB 2.0 Card Reader for SD/MMC/RS-MMC(3-in-1)

USB External HDD

Product	Company	Type
CUTIE	serotech	POCKET HARD DISK DRIVE
MOMOBAY UX-2	DVICO	USB2.0

GENERAL	Power Consumption	MAIN UNIT : 30W SUBWOOFER : 100W		
	Weight	MAIN UNIT : 2.8kg VERTICAL STAND : 8.0kg		
	Dimensions (W x H x D)	MAIN UNIT : 183 x 500 x 82 mm WITH STAND : 328 x 1200 x 328 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%		
VIDEO OUTPUT	Composite Video	1.0Vp-p(75Ω load)		
	Component Video	Y:1.0Vp-p(75Ω load)		
		Pr:0.70Vp-p(75Ω load) Pb:0.70Vp-p(75Ω load)		
HDMI	Impedance: 85~115Ω			
AMPLIFIER	Front speaker output	130W x 2(3Ω)		
	Center speaker output	130W(3Ω)		
	Rear speaker output	130W x 2(3Ω)		
	Subwoofer speaker output	150W(3Ω)		
	Frequency range	20Hz~20kHz		
	S/N Ratio	70dB		
	Channel separation	60dB		
	Input sensitivity	(AUX)500mV		
SPEAKERS	Speaker system	5.1ch speaker system		
		Front/Center/Rear speaker	Subwoofer speaker	
	Impedance	3Ω x 5	3Ω	
	Frequency range	110Hz~20kHz	20Hz~200Hz	
	Output sound pressure level	84dB/W/M	86dB/W/M	
	Rated input	130W	150W	
	Maximum input	260W	300W	
	Dimensions (W x H x D)	Front/Rear	105.6 x 1310 x 76 mm	270 x 498 x 379.5 mm
		Center	550 x 110 x 78 mm	
	Weight	Front/Rear	6.2kg	13kg
Center		2.9kg		

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