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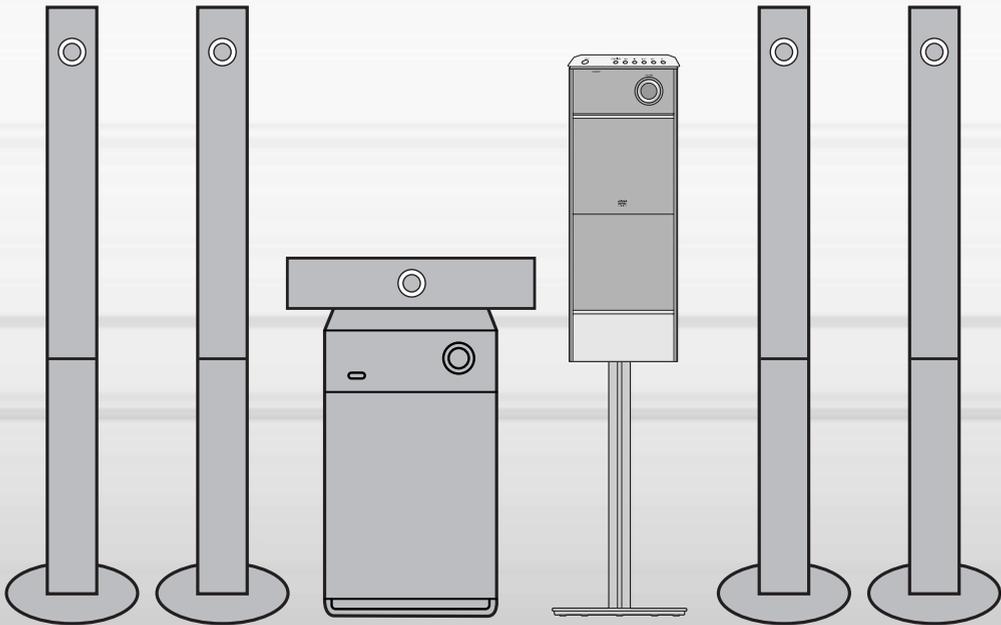


**SAMSUNG**

# SLIM DIGITAL HOME CINEMA SYSTEM

## HT-P1200

### Instruction Manual





# Safety Warnings

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

## **Note to CATV system installer :**

This reminder is provided to call the CATV system installer's attention to Section 820~40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical



### **CAUTION**

RISK OF ELECTRIC SHOCK.  
DO NOT OPEN



### **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.

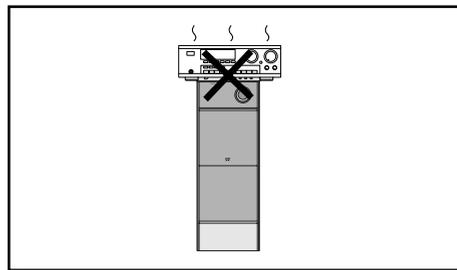
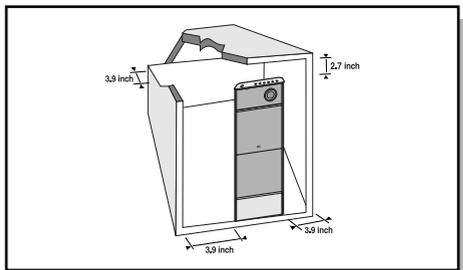


This symbol alerts you to important operating and maintenance instructions accompanying the unit.

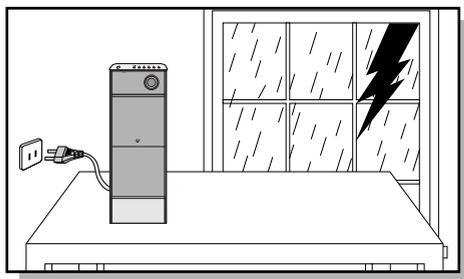
**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

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

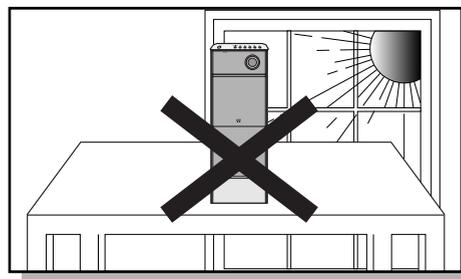
# Precautions



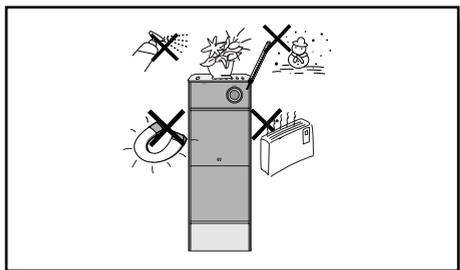
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not 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 Home Theater 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.

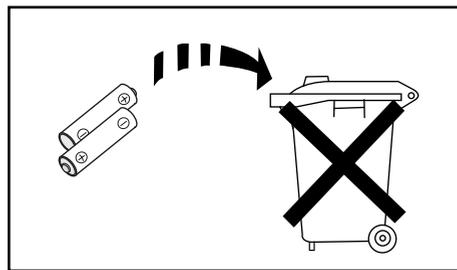


Protect the player from moisture (i.e. vases), and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i.e. speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

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.

## ● Samsung AV Device Operation using Anynet

You can conveniently operate Samsung DVD and AV devices with your Samsung TV remote with Anynet.

## ● 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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# Notes on Discs



**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.



Home Theaters 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 Home Theater 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<br>DVD-VIDEO |             | Audio + Video    | 5"        | Approx. 240 min. (single-sided)<br>Approx. 480 min. (double-sided) |
|                        |             |                  | 3 1/2"    | Approx. 80 min. (single-sided)<br>Approx. 160 min. (double-sided)  |
| VIDEO-CD               |             | Audio + Video    | 5"        | 74 min.  |
|                        |             |                  | 3 1/2"    | 20 min.  |
| AUDIO-CD               |             | Audio            | 5"        | 74 min.  |
|                        |             |                  | 3 1/2"    | 20 min.  |
| DivX                   |             | MPEG4<br>MP3     | 5"        | 74 min.  |
|                        |             |                  | 3 1/2"    | 20 min.  |
| Super Audio CD         |             | Audio            | 5"        | 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 Home Theater 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. Other CD-R media, may not be playable.
- 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

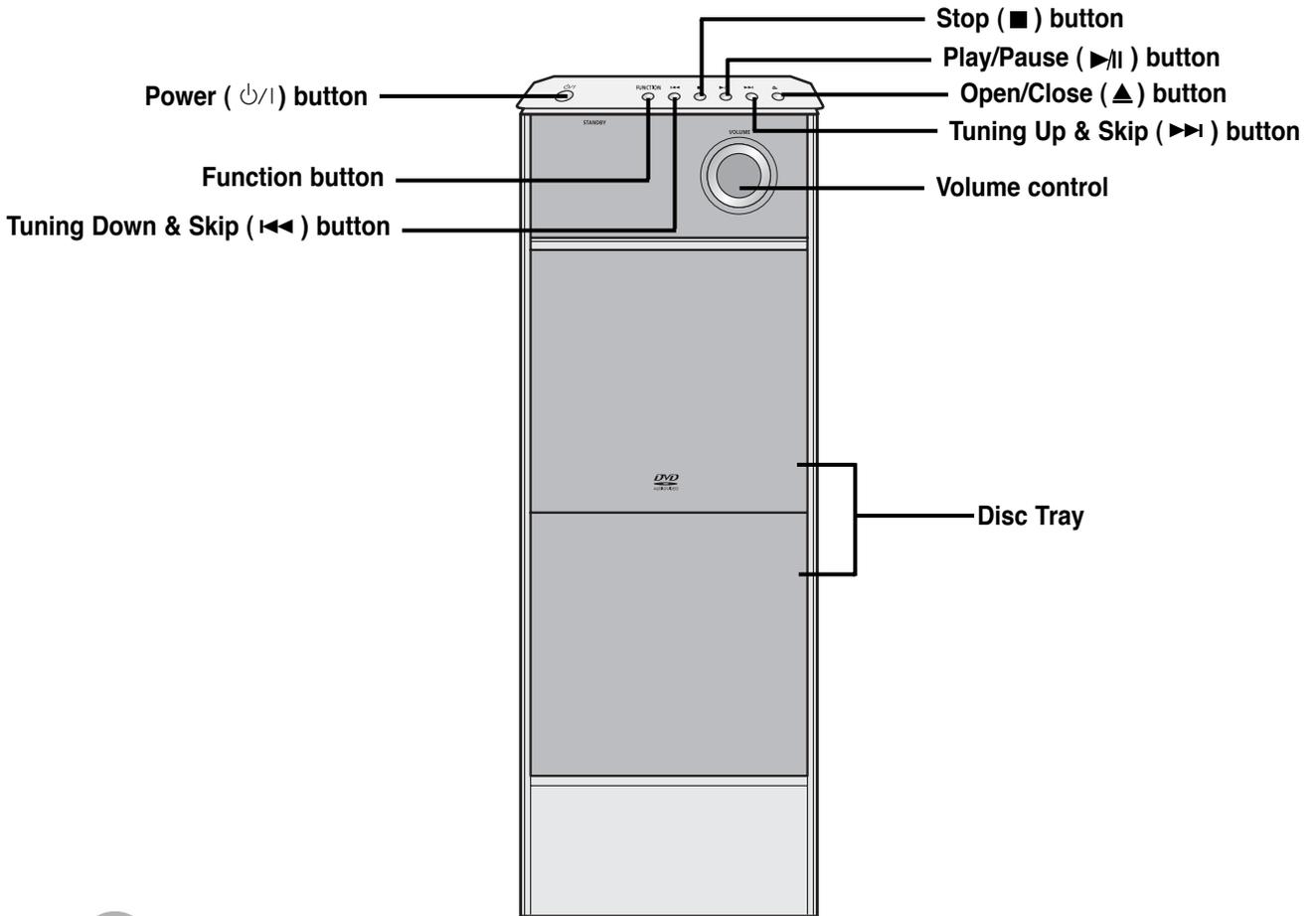
- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".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

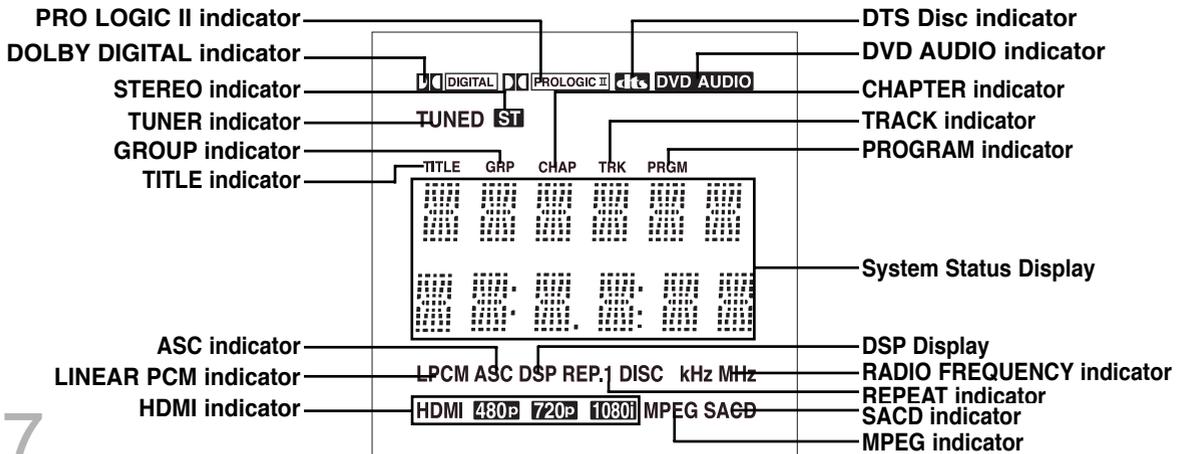
- Only files with the ".jpeg" and ".JPEG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters 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

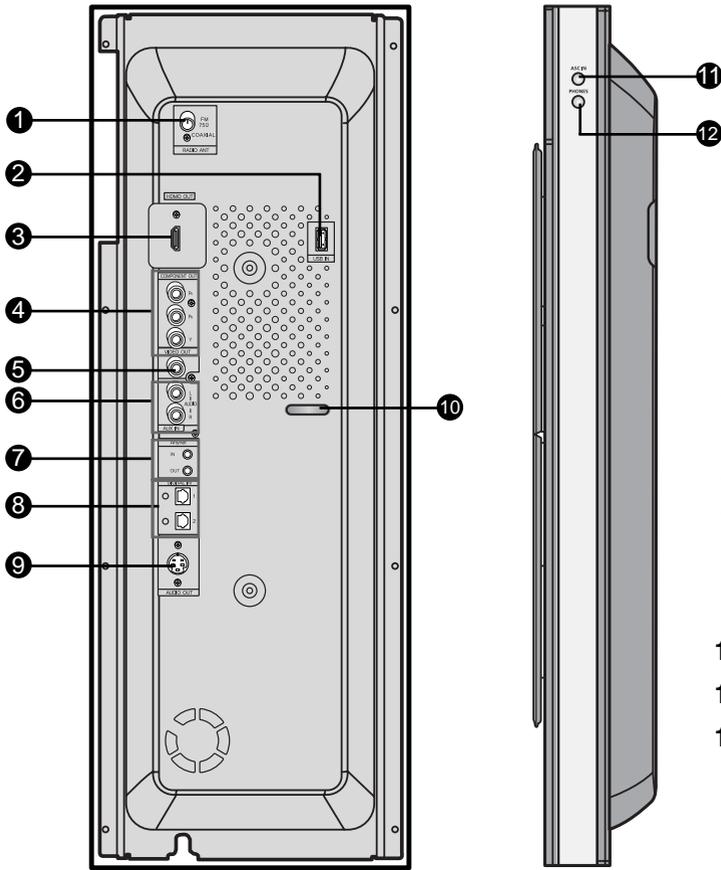
## —Front Panel—



## Display

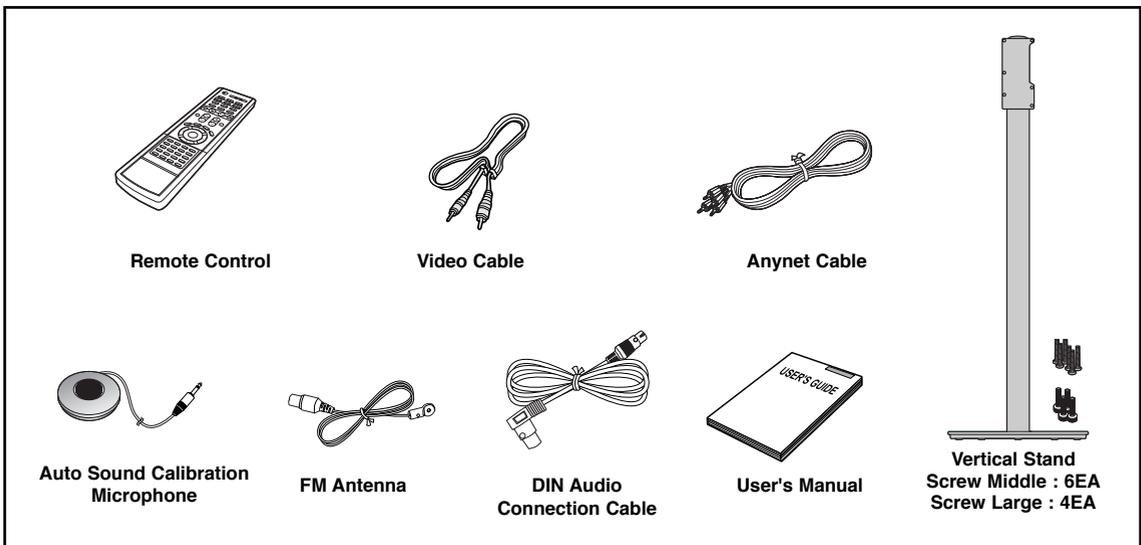


# —Rear Panel—



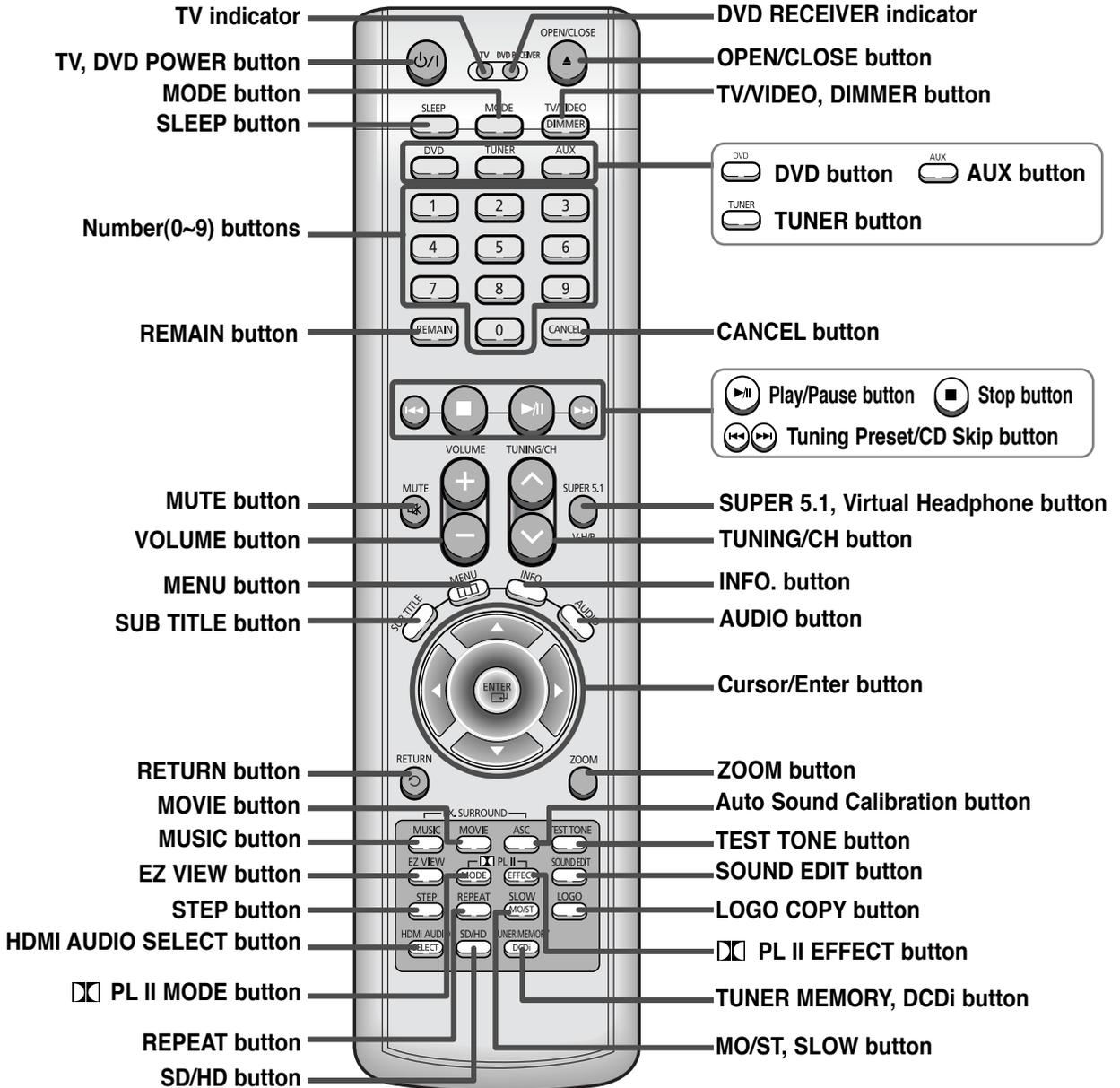
- 1 FM Antenna Connector
- 2 USB Connector
- 3 HDMI Output Connector
- 4 COMPONENT VIDEO OUTPUT jacks
- 5 Video Output Connector
- 6 External Audio Input Connector
- 7 Anynet Input/Output Connector
- 8 External Digital Optical Input Connectors
- 9 Audio Output Connector
- 10 Wire Hanger
- 11 ASC Input Connector
- 12 Headphone Jack

## Accessories

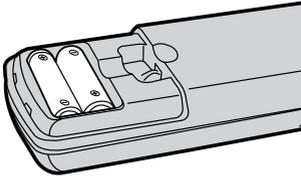
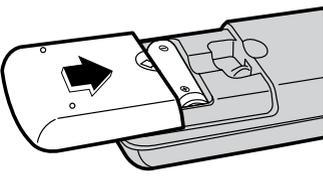


# Description

## —Remote Control—



## Insert Remote Batteries

|  |  |   |
|--|--|---|
| <p><b>1</b> Remove the battery cover on the back of the remote by pressing down and sliding the cover in the direction of the arrow.</p>  | <p><b>2</b> Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and -).</p>  | <p><b>3</b> Replace the battery cover.</p>  |
|--|--|---|

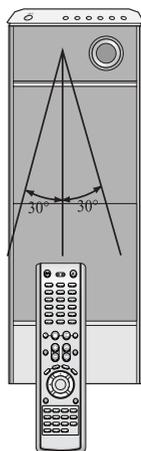
**Caution**

**Follow these precautions to avoid leaking or cracking batteries:**

- Place batteries in the remote control so they match the polarity:(+) to (+)and (-)to (-).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

## Range of Operation of the Remote Control

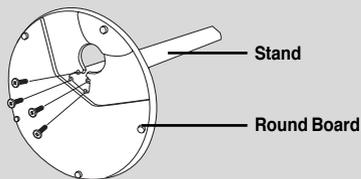
The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



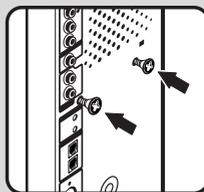
# Installing the DVD player



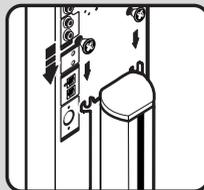
- 1** Combine the round board and the stand with the screws (4).



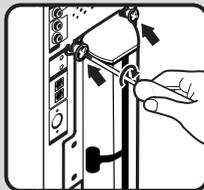
- 2** Insert two screws in the top holes, but only screw them in 1/2 way.



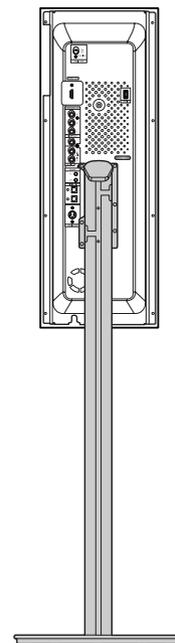
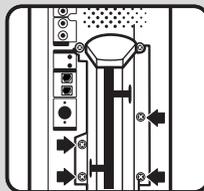
- 3** Align the stand with the two screws.



- 4** Fully tighten the screws to secure the stand to the DVD player.



- 5** Insert the remaining four screws & tighten.



## Caution

- Keep the main unit and speakers out of the reach of children as the equipment could tip over.

## Tidying Cables Up

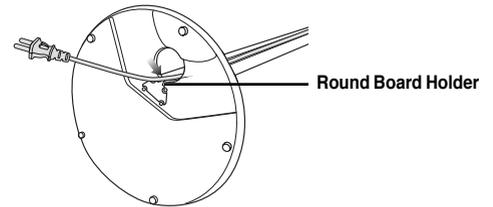
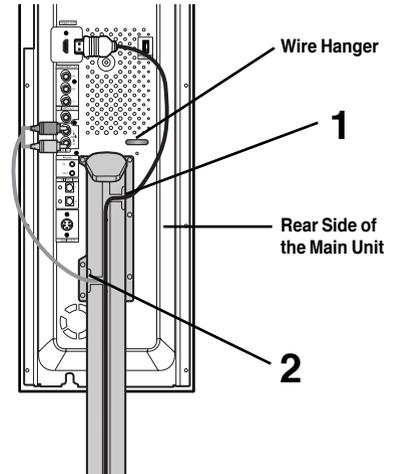
**1** Push the cables connected to the HDMI OUT, Component OUT, Video OUT ports into the groove shown in figure 1 using the Wire Hanger.

**2** Push the cables connected to the Audio IN, Anynet IN/OUT, Optical Digital Audio IN and Audio OUT ports into the groove shown in figure 2.

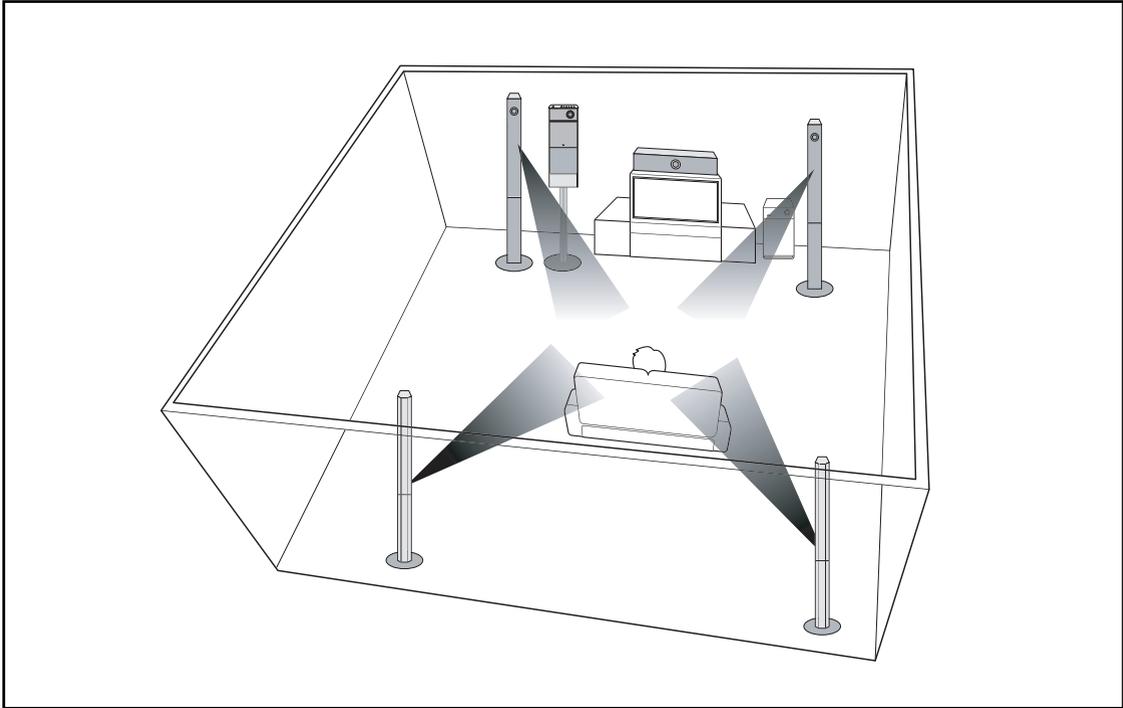
**3** Open the holder cover of the round board on the bottom of the stand and pass the cables through the holder.

**4** Squeeze the cables into the groove on the holder of the round board.

**5** Close the holder cover.

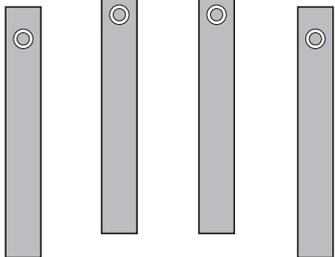


# Installing Speakers

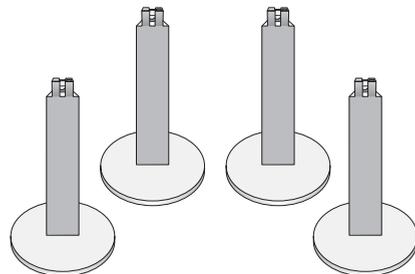


## Speaker Packages

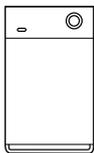
Please confirm that all the following contents are included in the package.



Front/Rear Speaker (4EA)



Front/Rear Stand (4EA)



Subwoofer Speaker



Center Speaker

### Speaker Accessories



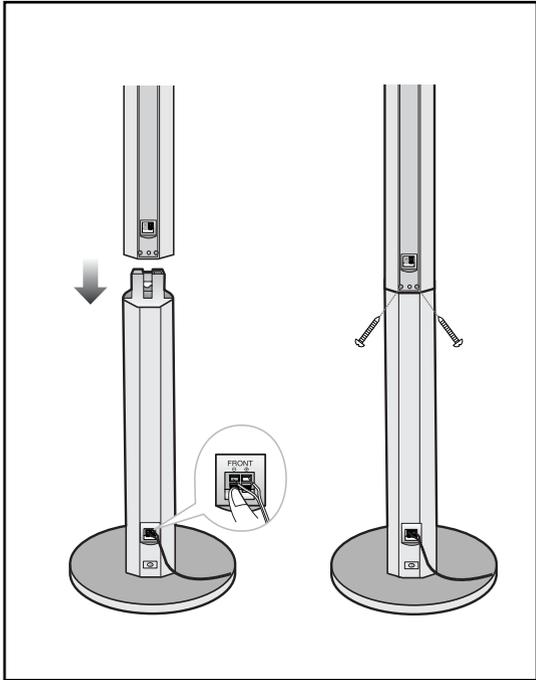
Speaker Cable (5EA)



Screw (8EA)

### 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.

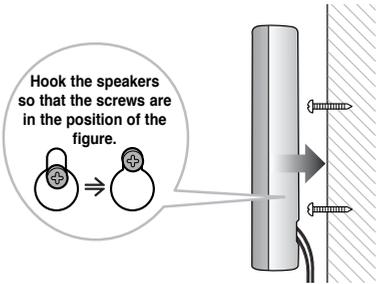


#### Note

- Connect the speaker cable to the connection port of either the front speaker or the front stand. Both of the connection ports will work.
- If you have combined the front speaker and the stand, connecting the speaker cable to the connection port on the rear side of the front stand is recommended.

### To mount the speakers on the wall

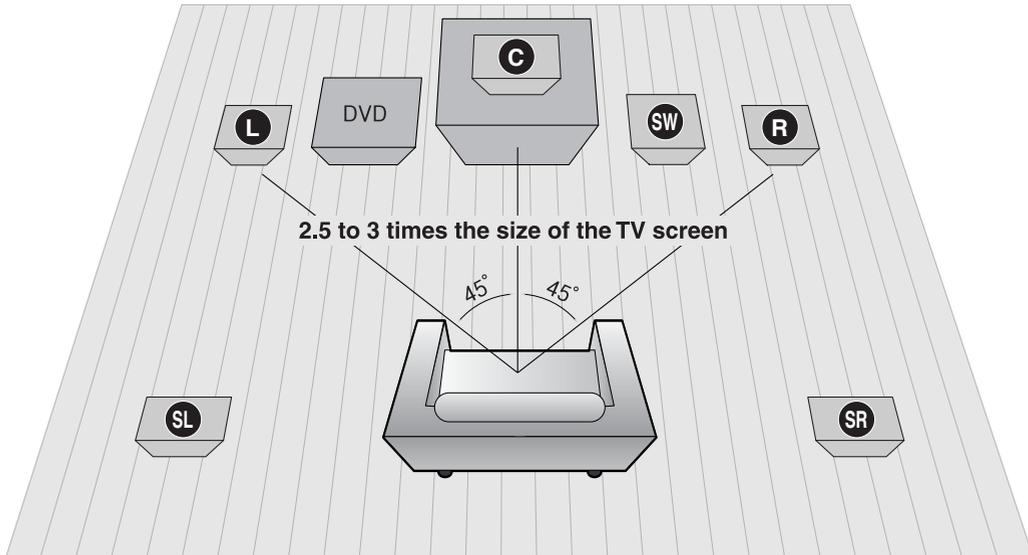
Drive screws (2) into the wall for each speaker and then hook the front and rear speakers over them.





# Connecting the Speakers

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.



## Position of the Home Theater

- Place it on a stand, cabinet shelf, or under the TV stand.

## Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2~2.4m (6~8 feet)  
For 55" TVs 3.5~4m (11~13 feet)

## Front Speakers **L R**

- 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.

## Rear Speakers **SL SR**

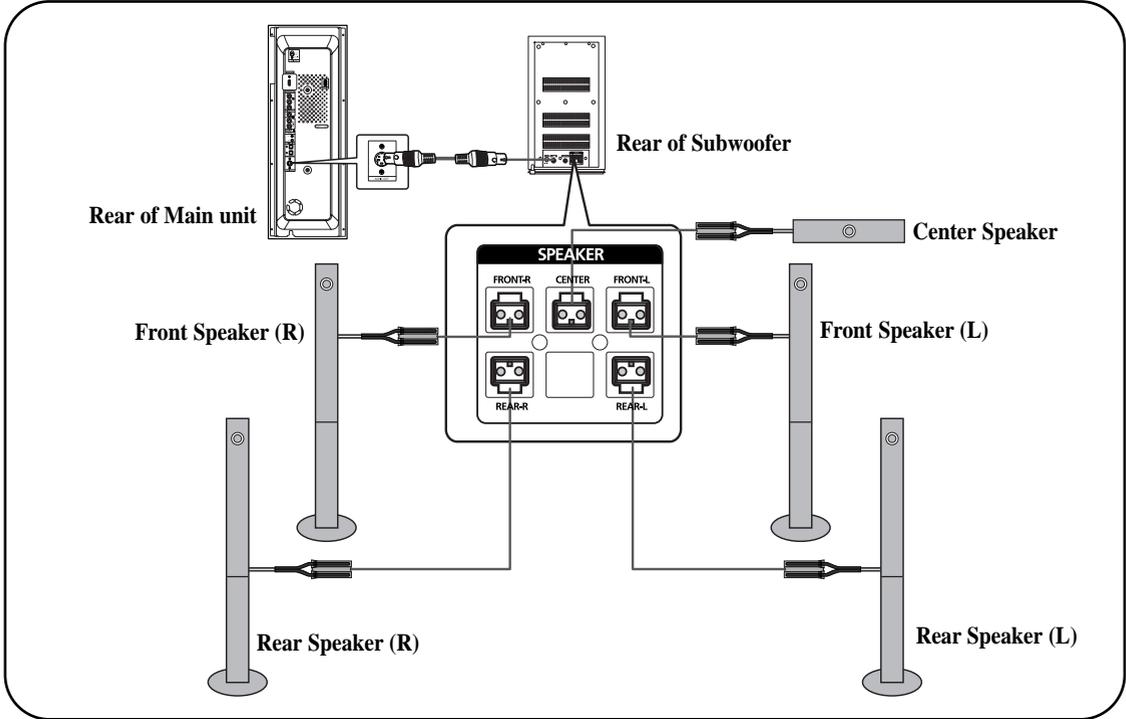
- Place these speakers behind your listening position.
  - If there isn't enough room, place these speakers so they face each other.
  - Place them about 60 to 90cm (2 to 3feet) above your ear, facing slightly downward.
- \* Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

## Center Speaker **C**

- It is best to install it at the same height as the front speakers.
- You can also install it directly over or under the TV.

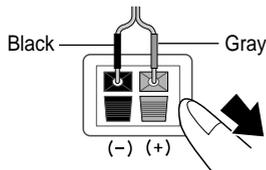
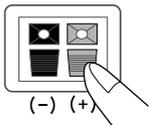
## Subwoofer **SW**

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



## Connecting the Speakers

- 1 Press down the terminal tab on the back of the speaker.
- 2 Insert the black wire into the black terminal (-) and the gray wire into the gray (+) terminal, and then release the tab.
- 3 Connect the correct color speaker cable to the same color speaker output terminal on the rear of the subwoofer, according to the polarity markings (+/-).



**Example:** Connect the green center speaker cable to the green center speaker output terminal on the rear of the subwoofer according to the polarity markings (+/-).

### Caution

- Do not let children play with or near the speakers. They could get hurt if a speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/-) is correct.

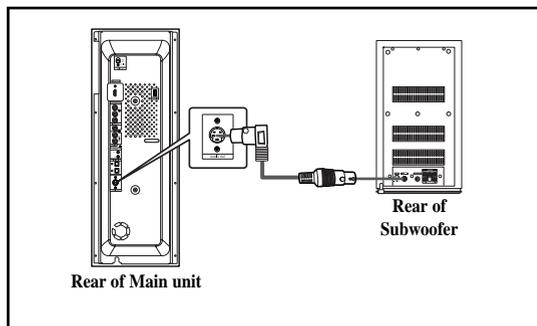
### Note

- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

# Connecting the Speakers (con't)

## Connecting the Main Unit and Sub Woofer

- 1 Connect the DIN Audio Out of the main unit and the DIN Audio In of the sub woofer with the DIN audio cable.
- 2 Press the power button of the sub woofer to turn it on.

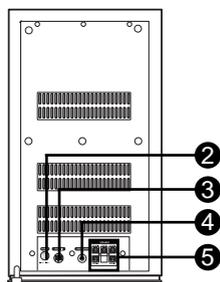
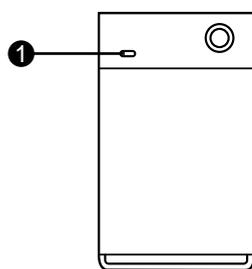


### Sub Woofer Functions

**Subwoofer:** With the built-in, dedicated 150W amplifier, the subwoofer generates rich bass sounds.

**Crossover:** The Crossover sets the cutoff frequency for the subwoofer. Set the Crossover control for the best bass response in your room.

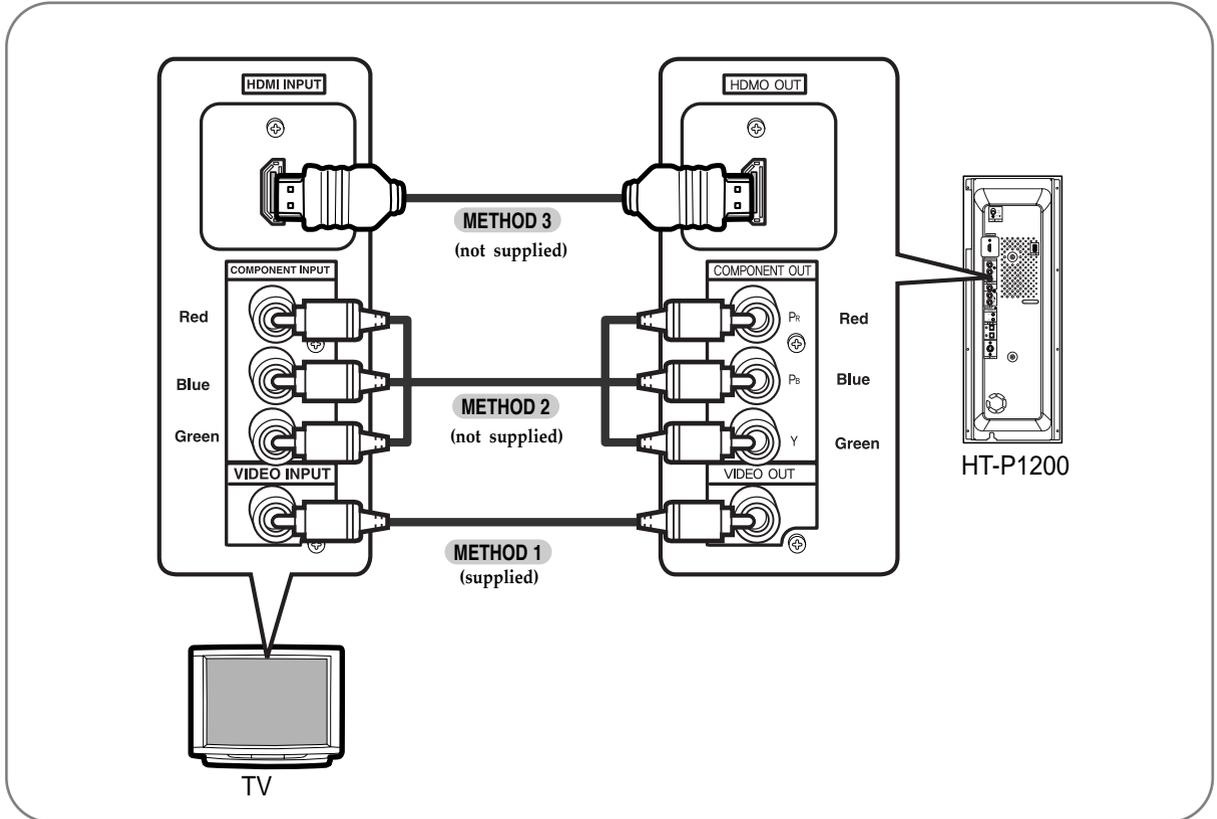
- You can adjust the bass or treble output from the front, rear, center speakers and the subwoofer.
- To the left increases the bass and to the right, treble.



- 1 Power LED
- 2 Power button
- 3 External Audio Input Connector
- 4 Crossover Controller
- 5 Speaker Output Terminals

# Connecting the Video Out to TV

Choose one of the three methods for connecting to a TV.



## METHOD 1 Composite Video ..... (Good Quality)

- Connect the supplied video cable from the VIDEO OUT jack on the back panel of the system to the VIDEO IN jack on your TV.

## METHOD 2 Component ..... (Better Quality)

- If your television is equipped with Component Video inputs, connect a component video cable (not supplied) from the Pr, Pb and Y jacks on the back panel of the system to the corresponding jacks on your TV.

## METHOD 3 HDMI ..... (Best Quality)

- Connect the HDMI out to the HDMI input on your TV.

### Note

- This product operates in Progressive scan mode(Only 480p) for Component Output.
- If the TV only supports a resolution of 576i(480i), the screen may be divided into 2 screens, or display nothing.



# 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** 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

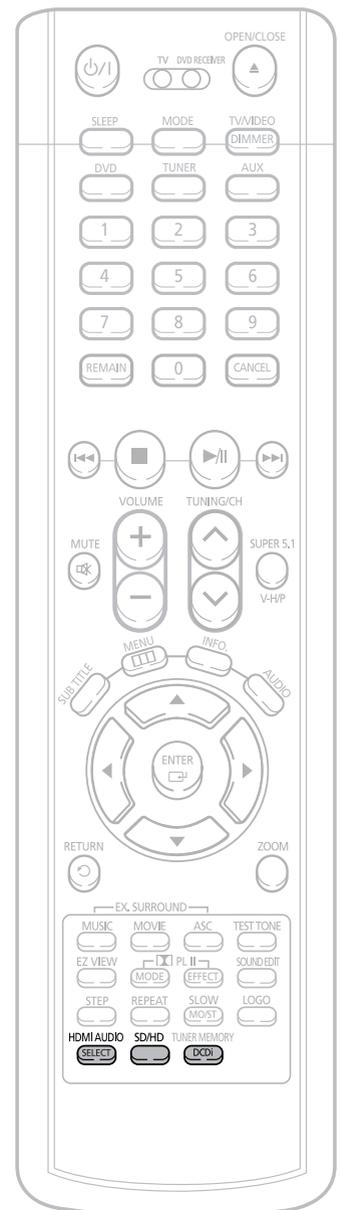
- The default setting value of this product is HDMI AUDIO OFF.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.
- If you turn the unit off and on, or switch functions when the HDMI AUDIO is automatically set to OFF.

### 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.

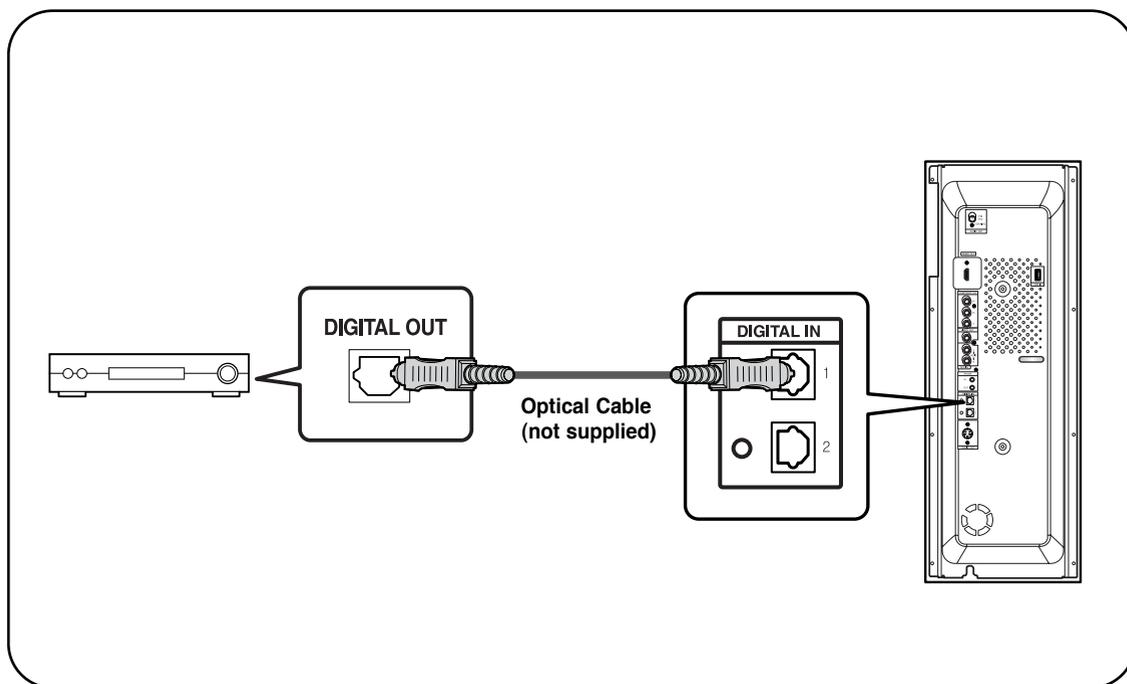
### Note

- 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 External Components

## Connecting an External Digital Component

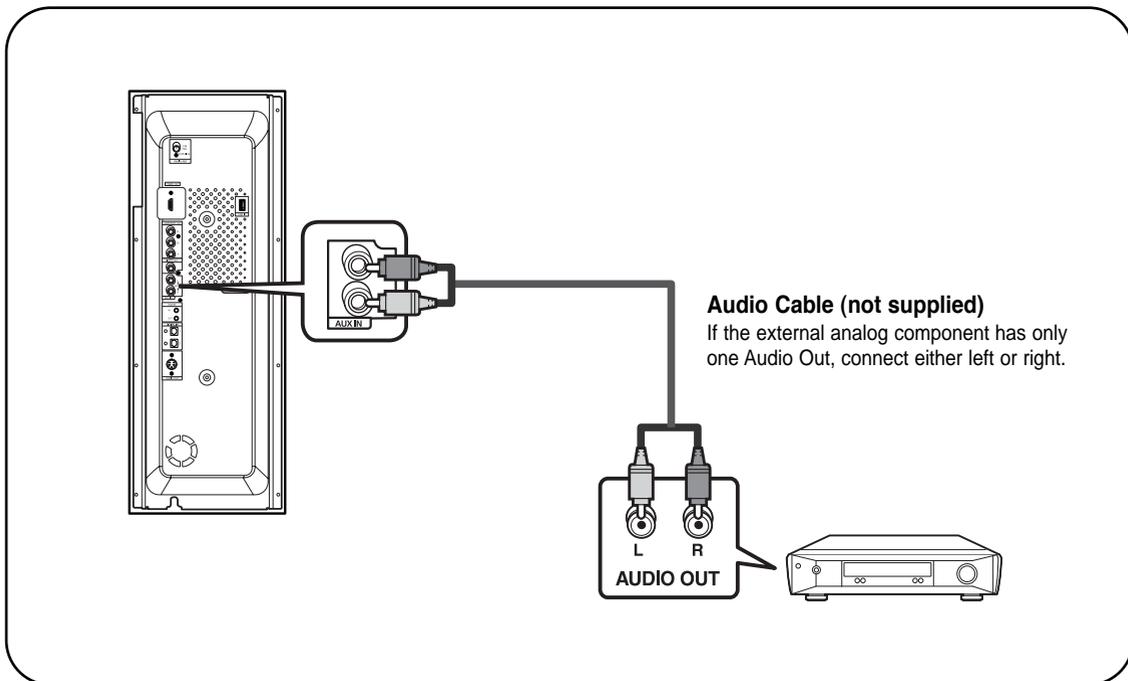
Example: Digital signal components such as a Set-top Box or CD Recorder.



- 1 Connect the Digital In 1 or 2 (OPTICAL) on the main unit to the Digital Output on the external digital component.
- 2 Press **AUX** on the remote control to select 'D.IN 1 or D.IN 2'.
  - 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**.

## Connecting an External Analog Component

Example: Analog signal components such as a VCR or TV.



- 1 Connect Audio In on the Home Theater to Audio Out on the external analog component.
  - Be sure to match connector colors.

- 2 Press **AUX** on the remote control to select 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.

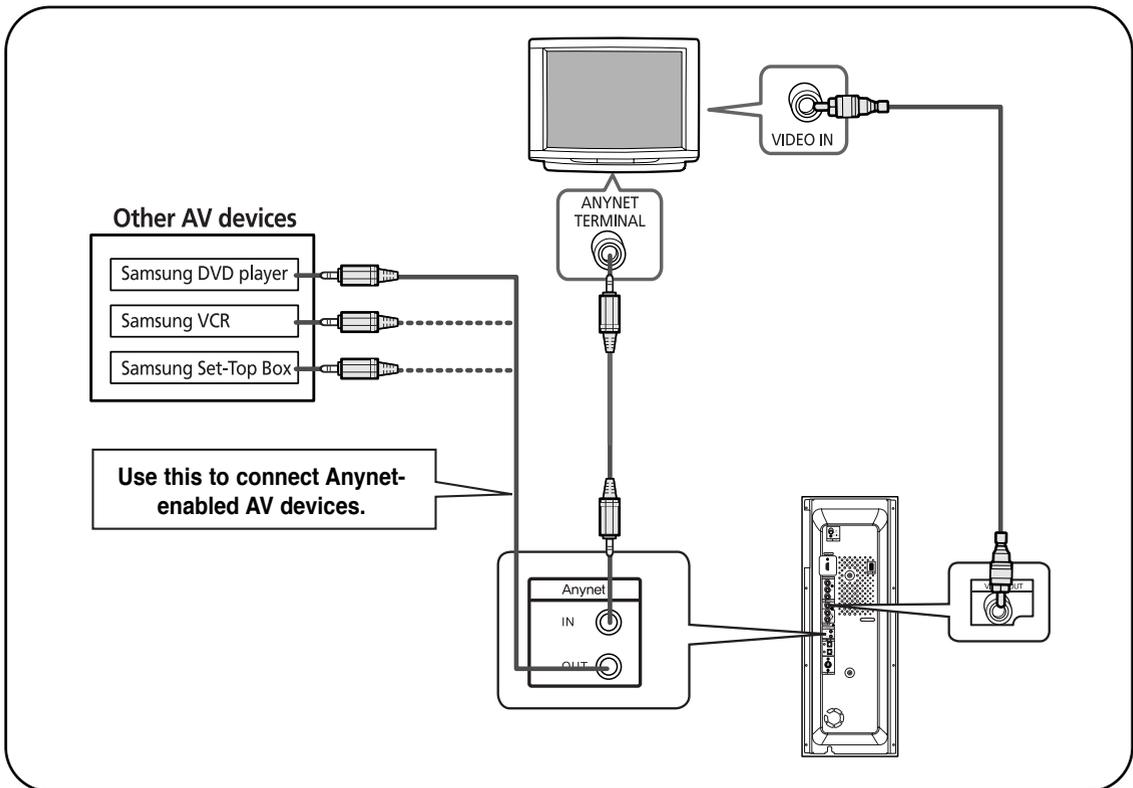


# How to Connect to Anynet

Using a Samsung Anynet-enabled TV, you can control the DVD Home Theater System and any other Samsung Anynet-enabled AV device. For detailed operation instructions and connection diagram, refer to the user's manual of your Samsung Anynet-enabled TV.

## What is Anynet?

- The Anynet function allows you to use your Samsung TV's remote control and menu to control all AV devices.
- **However, this function is available only with Samsung Anynet-enabled models.**



- 1 Connect the Anynet input terminal on the back of this unit to your Samsung TV's Anynet output terminal.
- 2 Connect the Anynet Out Terminal on the back of this unit to the Anynet input of Samsung external AV devices.
- 3 Refer to the user's manual of your Anynet-enabled TV and activate the Anynet function.

\* This function is available only with Samsung Anynet-enabled TVs.

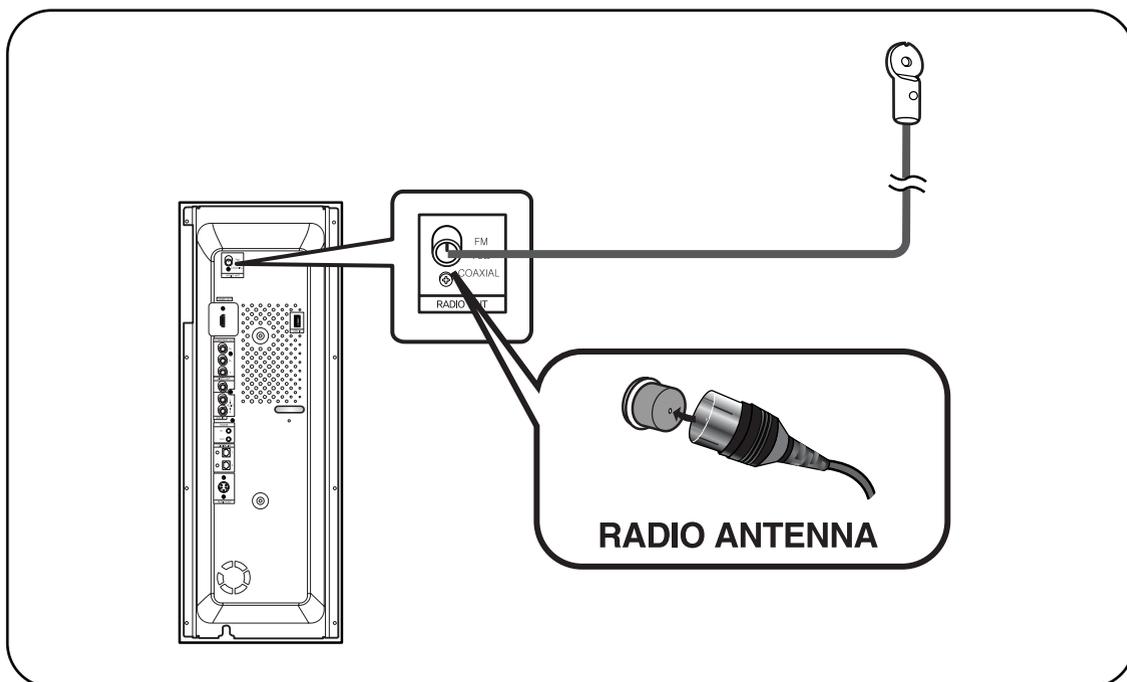
### Caution

- If the Anynet input and output terminals are reversed, communication with the TV will fail and you will not be able to use the Anynet function.

# Connecting the FM Antenna

ENG

CONNECTIONS



## FM antenna connection

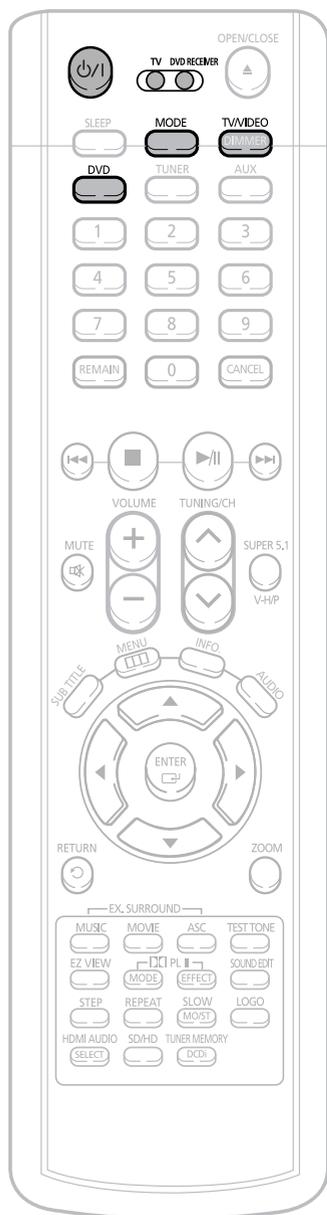
- 1** Connect the FM antenna supplied to the FM 75Ω COAXIAL terminal.
- 2** Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.



# 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 your Samsung TV and the Home Theater with the HT-P1200's Remote Control



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

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



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



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



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



**6** Press **FUNCTION** button on the main unit or DVD on the remote to select DVD/CD 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 77 for more information remote control operation with other manufacturer's TVs.

# Disc Playback

**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.

**DVD** **VCD** **SACD** **CD**

- Playback starts automatically.

**Note**

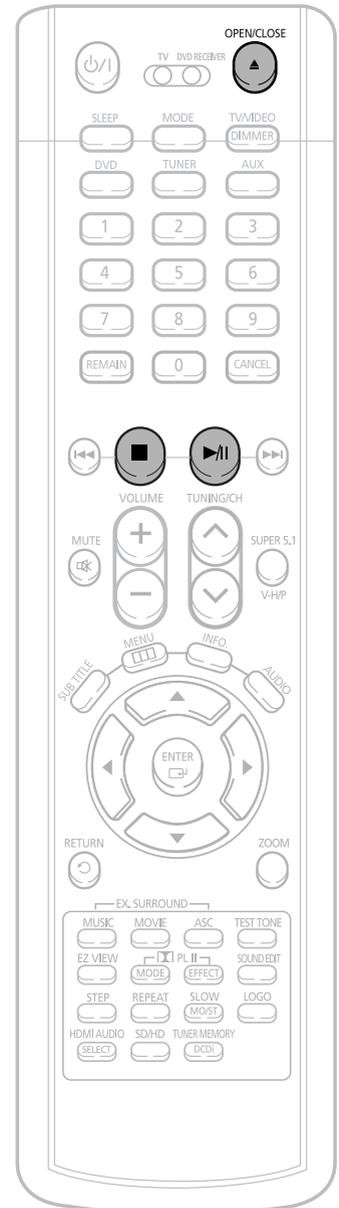
- Depending on the content of the disc, the initial screen may appear different.

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.

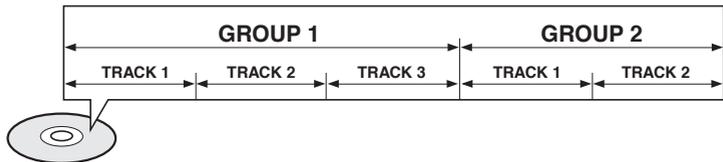
- To resume playback, press **PLAY/PAUSE** (▶/||) button again.



# Disc terminology

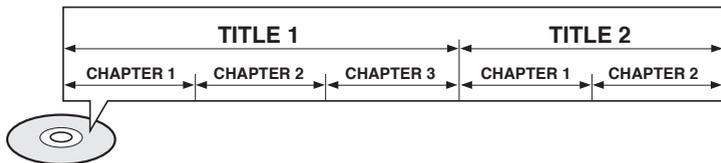
## Groups and tracks (DVD-AUDIO)

- 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".



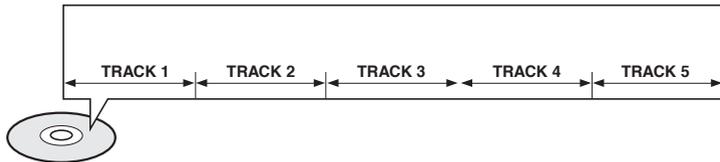
## Titles and chapters (DVD-VIDEO)

- 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".



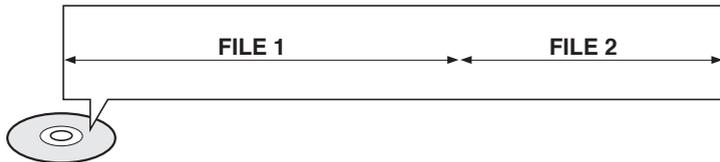
## Tracks (SACD, Video and music CDs)

- 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.

# SACD (Super Audio CD) Playback

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

**1** Open the disk tray by using the **OPEN/ CLOSE** button and then insert SACD.

- SACD menu appears and the play begins.



**2** When the play is stopped, select a track using the button and press the **ENTER** button.

- During the play, you cannot select a track using the ▲ ▼ button.

**3** Press the **STOP** button to stop playback.

## Disc Spec

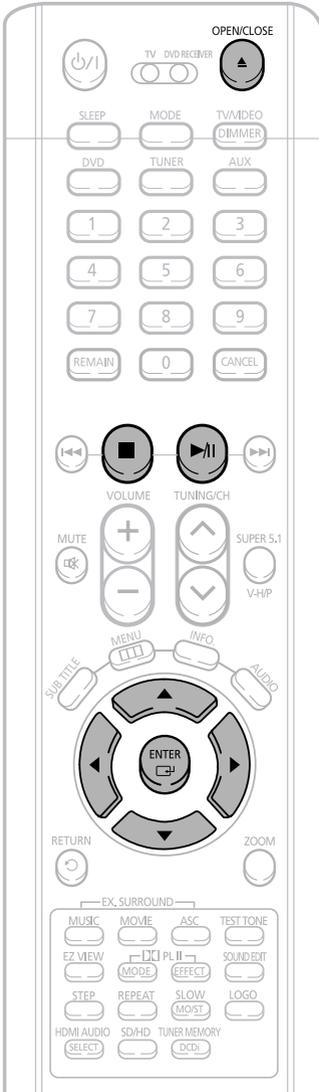
| Item                             | CD                     | SACD  | DVD Audio   |
|----------------------------------|------------------------|---|---|
| Number of Channels and Play Time | 2 Channels: 70 Minutes | 2 Channels: 110 Minutes<br>5.1 Channels: 81 Minutes | 2 Channels: 120 Minutes<br>5.1 Channels: 89 Minutes |
| Sampling Frequency               | 44.1 KHz               | 2822.4 KHz<br>(64 Times of CD)                      | 44.1~192 KHz<br>(4.4 Times of CD)                   |
| Dynamic Range                    | 96 dB                  | 120 dB  | 144 dB  |
| Play Frequency                   | ~20 KHz                | ~100 KHz  | ~96 KHz   |

### Note

- SACD has three kinds of formats: Single Layer Disc that has 1 HD layer, Dual Layer Disc that has 2 HD layers and Hybrid Disc that has both CD and HD layers. Hybrid Discs can play in regular CD players.

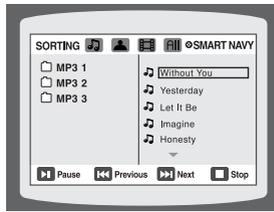
# MP3-CD Playback

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



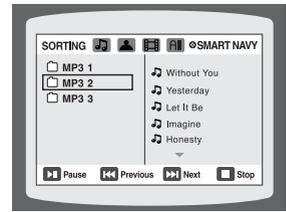
**1** Press the **OPEN/CLOSE** button to open the disc tray, and then load the MP3 disc.

- The MP3 menu screen will appear and playback will start.
- The appearance of the menu depends on the MP3 disc.
- WMA-DRM files cannot be played.



**2** In Stop mode, use ◀ ▶ ▲ ▼ to select the album, and then press the **ENTER** button.

- User ▲ ▼ to select the track.



**3** To change the album, use ◀ ▶ ▲ ▼ to select another album and then press the **ENTER** button.

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

**4** Press the **STOP** button to stop playback.

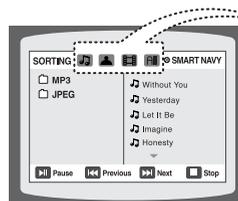
**Note**

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

## || To play a file icon in the screen,

Press the ◀ ▶ ▲ ▼ button when it is in stop status and select a desired icon from the top part of the menu.

- To play music files only, select the icon.
- To view image files only, select the icon.
- To view movie files only, select the icon.
- To select all files select the icon.



- Music File Icon
- Image File Icon
- Movie File Icon
- All File Icon



# JPEG Disc Playback

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 unit.

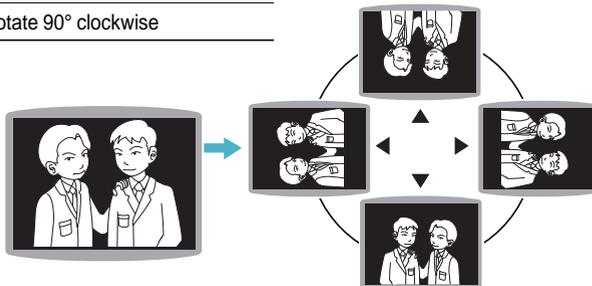
Press the **OPEN/CLOSE** button to open the disc windows, and then load the JPEG disc.

- 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

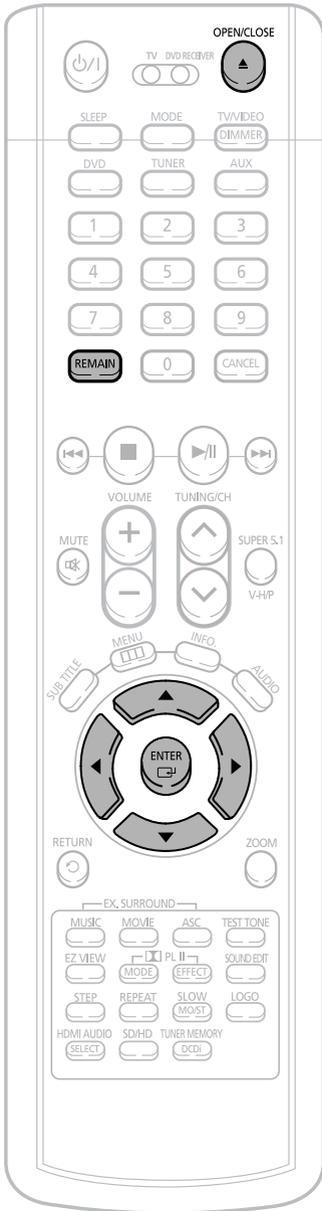
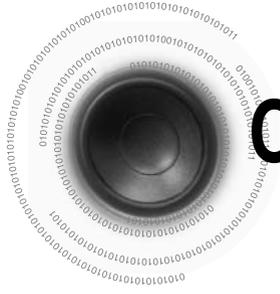
The maximum resolution is 5120 x 3840 (or 19.0 MPixel) for baseline images, and 2048 x 1536 (3.0 MPixel) for progressive images.

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.

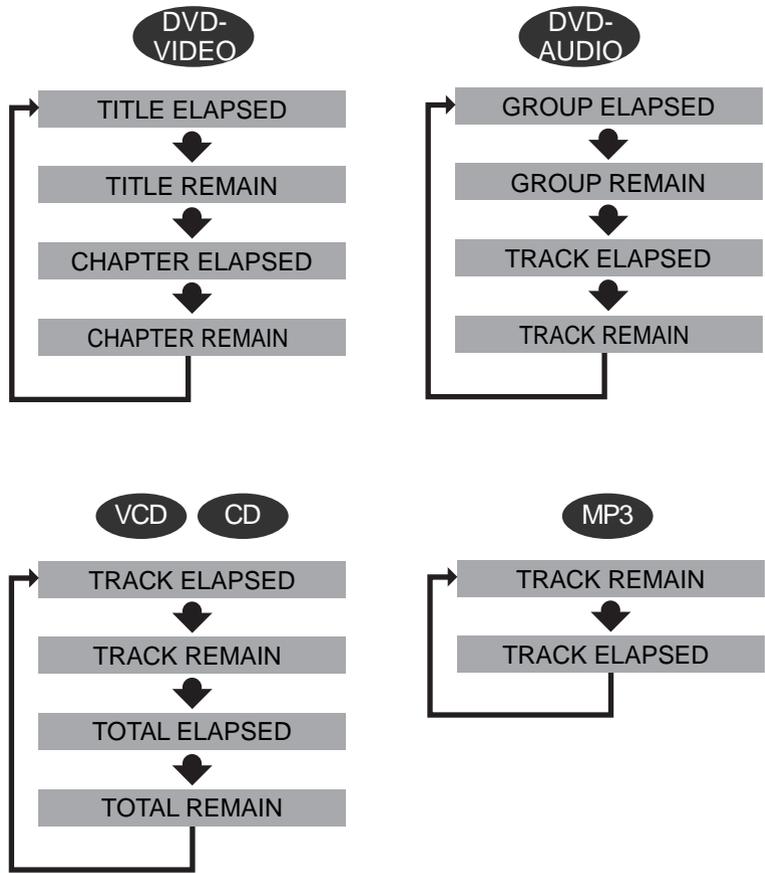
# Checking the Remaining Time



## Press the REMAIN button.

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

### Each time the REMAIN button is pressed



OPERATION



# DivX Playback

## 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.

## 5 Minute Skip function

During playback, press the **⏪**, **⏩** button.

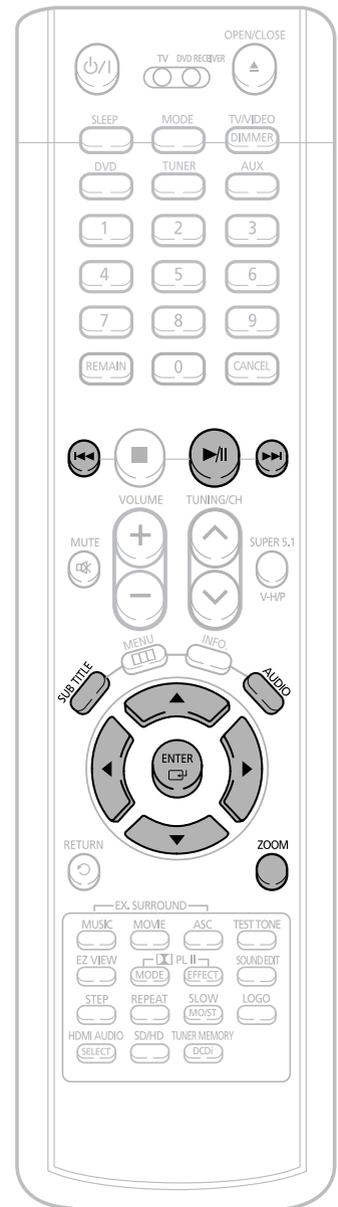
- Playback skips 5 minutes forward whenever you press **⏩** button.
- Playback skips 5 minutes back whenever you press **⏪** button.

## Zoom Function

**1** Press **ZOOM** button.

- Each time you press the button, your selection will toggle between "ZOOM X2" and "ZOOM OFF".

**2** Press Cursor **▲**, **▼**, **◀**, **▶** buttons to move to the area you want to enlarge.



### Note

- 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.

## Subtitle Display

Press the **SUBTITLE** button.

- Each time you press the button, your selection will toggle between "SUBTITLE ON" (1/1, 1/2 ...) and "SUBTITLE OFF".
- If the disc has only one subtitle file, it will be played automatically.

## Audio Display

Press the **AUDIO** button.

- Each time you press the button, your selection will toggle between "AUDIO ON" (1/1, 1/2 ...) and "  ".

**Note**

- "  " is displayed when there is one supported language in the disc.

### DivX(Digital internet video eXpress)

DivX is a video file format developed by Microsoft and is based on MPEG4 compression technology to provide audio and video data over the Internet in real-time.

MPEG4 is used for video encoding and MP3 for audio encoding so that the users can watch a movie at near DVD-quality video and audio.

#### 1. Supported Formats

- This product only provides the following media formats. If both video and audio formats are not supported, the user may experience problems such as broken images or no sound.

##### • Supported Video Formats

| Format             | AVI            | WMV         |
|--------------------|----------------|-------------|
| Supported Versions | DivX3.11 ~ 5.1 | V1/V2/V3/V7 |

##### • Supported Audio Formats

| Format             | MP3        | WMA        | AC3         | DTS     |
|--------------------|------------|------------|-------------|---------|
| Bit Rate           | 80~384kbps | 56~128kbps | 128~384kbps | 1.5Mbps |
| Sampling Frequency | 44.1khz    |            | 44.1/48khz  | 44.1khz |

- DivX files, including audio and video files, created in the DTS format can only support up to 6Mbps.
- Aspect Ratio: Although default DivX resolution is 640\*480 pixels (4:3), this product supports up to 720\*480 pixels (16:9). TV screen resolutions higher than 800 will not be supported.
- When you play a disc whose sampling frequency is higher than 48khz or 320kbps, you may experience shaking on the screen during playback.

#### 2. Caption Function

- You must have some experience with video extraction and editing in order to use this feature properly.
- To use the caption function, save the caption file (\*.smi) in the same file name as that of the DivX media file (\*.avi) within the same folder.

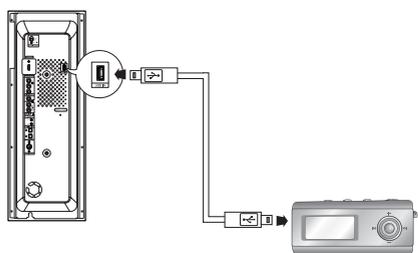
Example. Root            Samsung\_Bluetek\_007CD1.avi  
                                  Samsung\_Bluetek\_007CD1.smi

- Up to 60 alphanumeric characters or 30 East Asian characters (2 byte characters such as Korean and Chinese) for the file name.

# Playing Media Files using the USB HOST feature

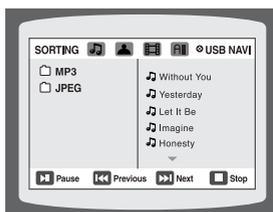
You can enjoy media files such as pictures, movies and music saved in an MP3 player, USB memory or digital camera in high quality video with 5.1 channel home theater sound by connecting the storage device to the USB port of the home theater.

- 1 Connect the USB device to the USB port on the rear of the unit.



- 2 Press the **FUNCTION** button on the main unit or the **AUX** button on the remote control to select the USB mode.

- "USB" appears on the display screen and then disappears.
- USB SORTING screen appears on the TV screen and the saved file is played.

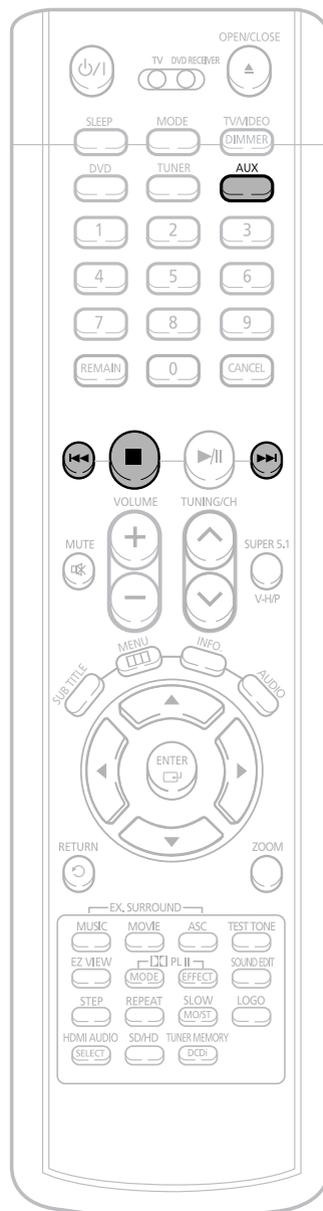


To stop playback, press the **STOP** (■) button.

## Safe USB Removal

To prevent damage to the memory stored in the USB device, perform safe removal before disconnecting the USB cable.

- (1) Press the stop button twice in a row.  
The display will show **REMOVE → USB**.
- (2) When the main unit is powered off, or in a different function mode, remove the USB cable.



## Skip Forward/Back

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

- When there is more than one file, when you press the **⏭️** button, the next file is selected.
- When there is more than one file, when you press the **⏮️** button, the previous file is selected.

## 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.

### Compatible Devices

1. USB devices that support USB Mass Storage v1.0.  
(USB devices that operate as a removable disk in Windows (2000 or later) without additional driver installation.)
2. MP3 Player: HDD and flash type MP3 player.
3. CBI (Control/Bulk/Interrupt) is not supported.
4. Digital camera: PTP protocol is not supported.
  - Devices which require additional program installation when you have connected it to a computer, are not supported.
5. USB HDD and USB Flash Drive: Devices that support USB2.0 or USB1.1.
  - You may experience a difference in playback quality when you connect a USB1.1 device.
  - For a USB HDD, make sure to connect an auxiliary power cord to the USB HDD for proper operation.
6. USB card Reader: One slot USB card reader and Multi slot USB card reader
  - Depending on the manufacturer, the USB card reader may not be supported.
  - If you install multiple memory devices into a multi card reader, you may experience problems.
7. If you use a USB extension cable, the USB device might not be recognized.

### Supported Formats

|               | File name | File extension | Bit rate   | Version | Pixel   | Sampling Frequency |
|---------------|-----------|----------------|------------|---------|---------|--------------------|
| Still Picture | JPG       | .JPG .JPEG     | –          | –       | 640*480 | –                  |
| Music         | MP3       | .MP3           | 80~384kbps | –       | –       | 44.1kHz            |
|               | WMA       | .WMA           | 56~128kbps | V8      | –       | 44.1kHz            |

- A device using NTFS file system is not supported.  
(Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- **The USB host function of this product does not support all USB devices. For information on the supported devices, see pages 83~84.**

# Displaying Disc Information

You can view disc playback information on the TV screen.

Press **INFO** button.

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



Display disappears



Display disappears



Display disappears

- **appears on the TV screen!**

If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.

## Note

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

### • What is a Group?

A section of tracks contained in a DVD-AUDIO disc.

### • What is a Title?

A movie contained in a DVD-VIDEO disc.

### • What is a Chapter?

Each title on a DVD disc is divided into several smaller sections called "chapters".

### • What is a Track (File)?

A section of video or a music file recorded on a DVD-AUDIO, CD, or MP3-CD.

## Screen Display

|                    |                             |                      |                         |                                     |
|--------------------|-----------------------------|----------------------|-------------------------|-------------------------------------|
| DVD DVD display    | DivX DivX display           | CHAPTER display      | REPEAT PLAYBACK display | LR STEREO (L/R) display             |
| VCD VCD display    | DVD-AUDIO DVD-AUDIO display | TRACK (FILE) display | AUDIO LANGUAGE display  | DOLBY DIGITAL DOLBY DIGITAL display |
| CD CD display      | TITLE display               | ELAPSED TIME display | SUBTITLE display        | ANGLE display                       |
| MP3 MP3 CD display | GROUP display               | SACD display         |                         |                                     |

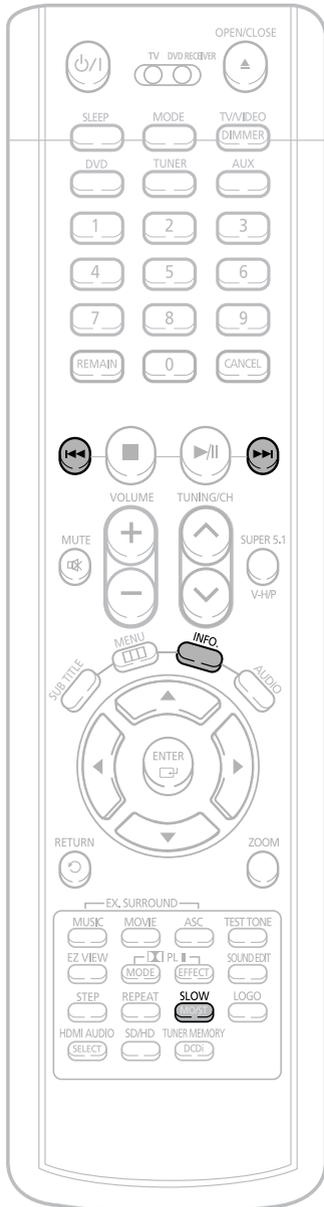
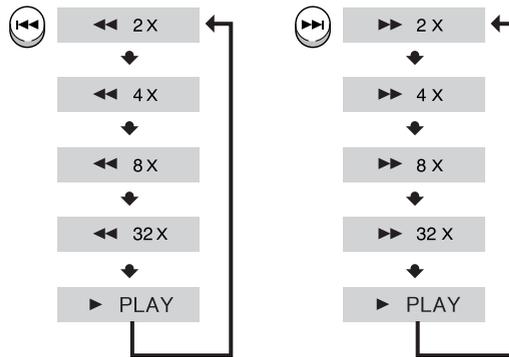
# Fast/Slow Playback



## Fast Playback DVD VCD SACD CD MP3

Press and hold **⏮** **⏭** .

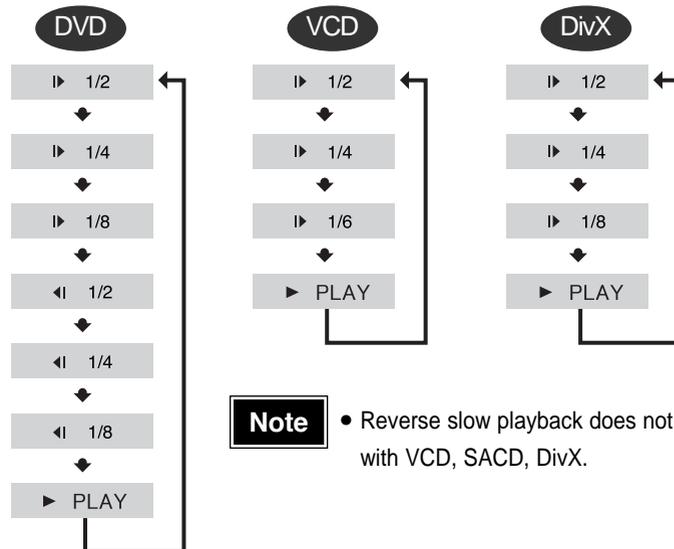
- Each time the button is held down during playback, the playback speed changes as follows:



## Slow Playback

Press **SLOW** button.

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



**Note** • Reverse slow playback does not work with VCD, SACD, DivX.

OPERATION

# Skipping Scenes/Songs

DVD

VCD

SACD

MP3

Briefly press **⏮⏭** .

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

DVD



VCD



- When watching a VCD with a track longer than 15 minutes, each time **⏮⏭** is pressed, playback will skip back or forward 5 minutes.

MP3



## Note

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

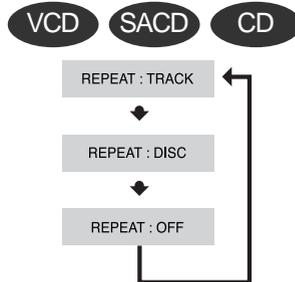
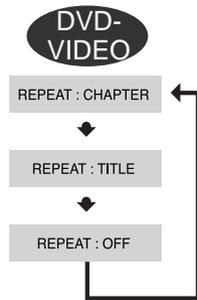
# Repeat Playback

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

- DVD
- 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**

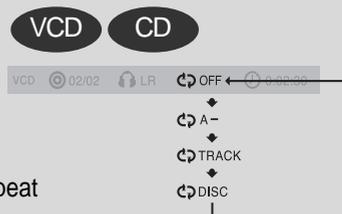
Repeatedly plays the entire disc.

**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.



**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 47.)

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

# A-B Repeat Playback

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

DVD

VCD

CD

**1** Press **INFO** button twice.

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

DVD EN 1/3 OFF/ 02 OFF

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

DVD EN 1/3 OFF/ 02 OFF

**3** 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—

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

- The specified segment will be played repeatedly.

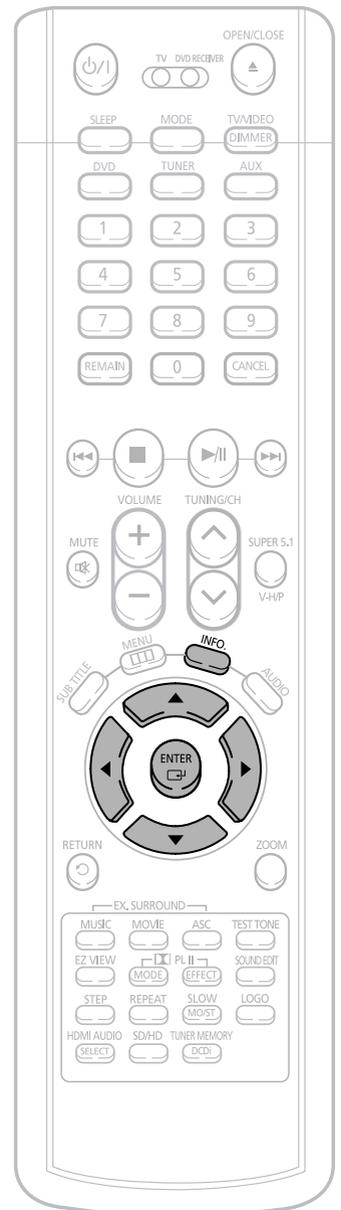
DVD EN 1/3 OFF/ 02 A-B

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 discs.



# Angle Function

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

DVD

**1** Press **INFO** button.

DVD 01/01 001/040 0:00:37 1/3

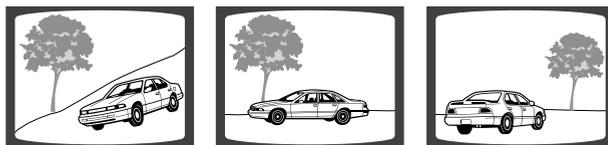
**2** Press Cursor **▶** button to move to ANGLE ( ) display.

DVD 01/01 001/040 0:00:37 1/3

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

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

DVD 01/01 001/040 0:00:37 1/3  
 2/3  
 3/3



## Note

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



# Zoom Function

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

## Zoom (Screen Enlarge) Function

DVD

VCD

**1** Press **ZOOM** button.

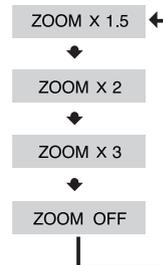


**2** Press Cursor **▲**, **▼**, **◀**, **▶** buttons to move to the area you want to enlarge.



**3** Press **ENTER** button.

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



**Note**

- When a DivX disc is being played, only the 2:1 zoom-in is available.

## Aspect Ratio

DVD

Press **EZ VIEW** button.

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



**Note**

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

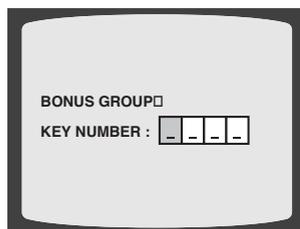
# Bonus Group / Navigating Pages

ENG

## Bonus Group

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.



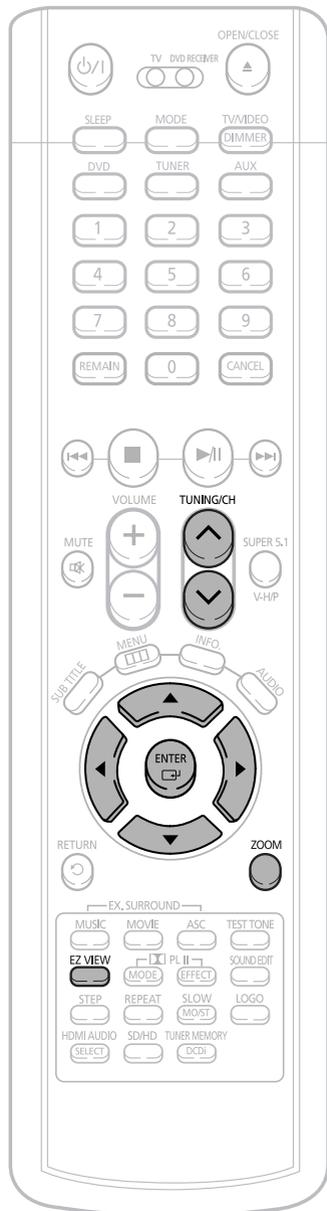
### Note

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

## Navigating Pages

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.



# Selecting Audio/Subtitle Language

## Audio Language Selection Function DVD

**1** Press **INFO** button twice.

DVD EN 1/3 OFF/ 02 OFF

**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.

DVD EN 1/3 OFF/ 02 OFF  
 ↓  
 SP 2/3  
 ↓  
 FR 3/3

## Subtitle Language Selection Function DVD

**1** Press **INFO** button twice.

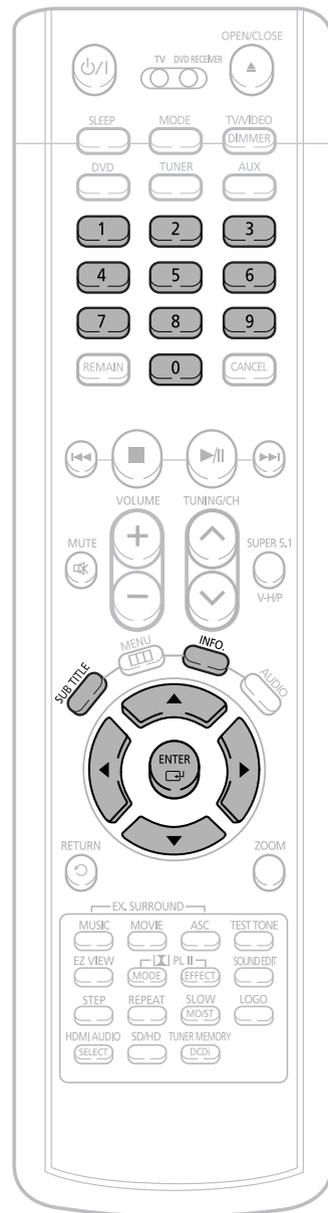
DVD EN 1/3 OFF/ 02 OFF

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

DVD EN 1/3 OFF/ 02 OFF

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

DVD EN 1/3 EN 01/ 03 OFF  
 ↓  
 SP 02/ 03  
 ↓  
 FR 03/ 03  
 ↓  
 OFF / 03



- 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.

# Moving Directly to a Scene/Song

ENG



DVD VCD SACD CD

**1** Press **INFO** button.

DVD ⓘ 01/05 ⚙ 001/040 ⌚ 0:00:37 📺 1/1

**Moving to a Title/Track**

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

DVD ⓘ 03/05 ⚙ 001/002 ⌚ 0:00:01 📺 1/1

**Moving to a Chapter**

**3** Press Cursor **◀**, **▶** buttons to move to Chapter (⚙) display.

DVD ⓘ 01/05 ⚙ 001/040 ⌚ 0:00:01 📺 1/1

**Moving to a Chapter**

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

DVD ⓘ 01/05 ⚙ 025/040 ⌚ 0:00:01 📺 1/1

**Moving to a Specific Time**

**5** Press Cursor **◀**, **▶** buttons to move to time display.

DVD ⓘ 01/05 ⚙ 025/040 ⌚ 1:17:30 📺 1/1

**Moving to a Specific Time**

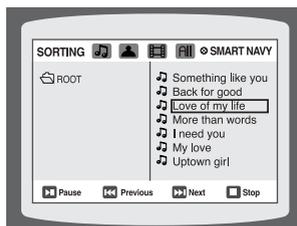
**6** Press the numeric buttons to select the desired time and then press **ENTER** button.

DVD ⓘ 01/05 ⚙ 028/040 ⌚ 1:30:00 📺 1/1

MP3 JPEG

Press the **numeric** buttons.

- The selected file will be played.
- An MP3 or JPEG disc cannot be moved 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 **▲**, **▼**.



## Note

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

OPERATION

# Using Disc Menu

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

DVD

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

- When playing a VCD (version 2.), this toggles between PBC ON and OFF.



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

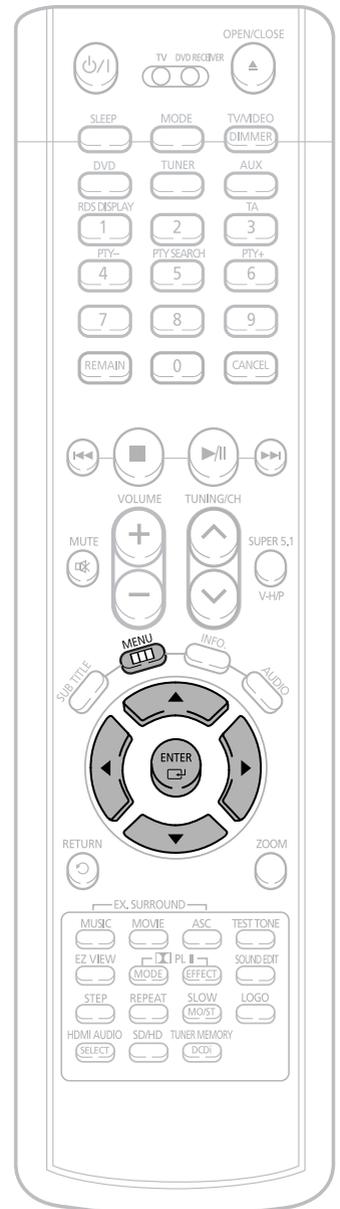
- When the disc has no menu, the "This menu is not supported" message appears on the screen.



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



**4** Press **ENTER** button.



**Note**

- Disc menu display may be different depending on the disc.

**PBC (Playback Control) Function**

Press the **MENU** button while VCD 2.0 version disk is played.

Each time you press the button, "PBC ON" and "PBC OFF" will be repetitively selected in the TV screen.

- **PBC ON:** This VCD disc is version 2.0. The disc is played back according to the menu screen. Some functions may be disabled. When some functions are disabled, select "PBC OFF" to enable them.
- **PBC OFF:** This VCD disc is version 1.1. The disc is played back in the same way as with a music CD.

# Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie.  
Depending on the disc, the availability of this feature may vary.

DVD

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



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



**3** Press **ENTER** button.

- The title menu appears.

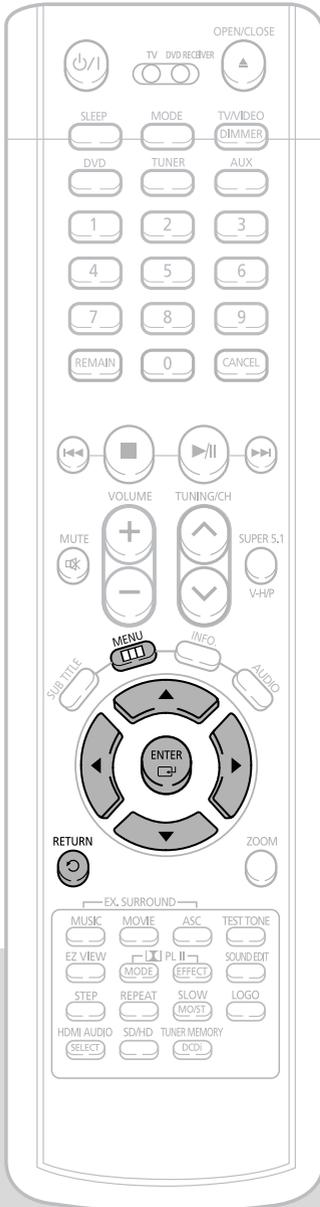


**Note** • Title menu display may be different depending on the disc.

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

# 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.



## Note

- To select another language, select OTHER and enter the language code of your country. (See page 82 for language codes)  
AUDIO, SUB TITLE and DISC MENU language can be selected.



**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.



Selecting the OSD Language



Selecting the Audio Language (recorded on the disc)



Selecting the Subtitle Language (recorded on the disc)

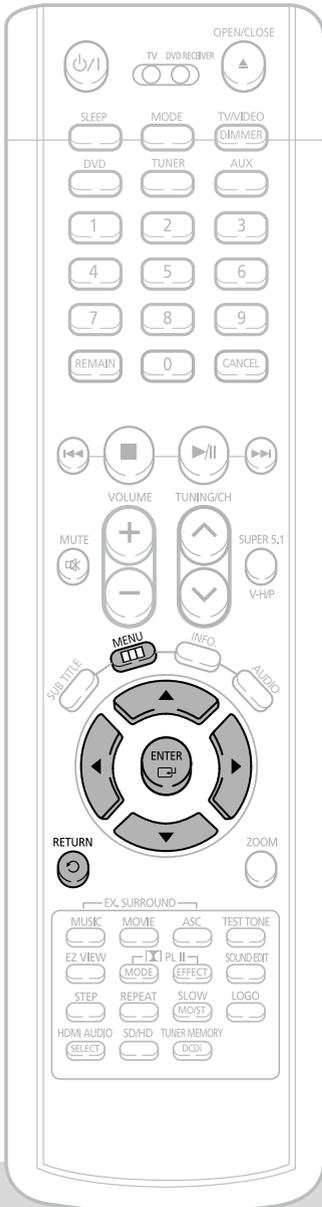


Selecting the Disc Menu Language (recorded on the disc)

\* 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.

# Setting TV Screen type

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



**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 'TV DISPLAY' and then press **ENTER** button.



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

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



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

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

## Adjusting the TV Aspect Ratio (Screen Size)

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

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



### 4:3LB (4:3 Letterbox)

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



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

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

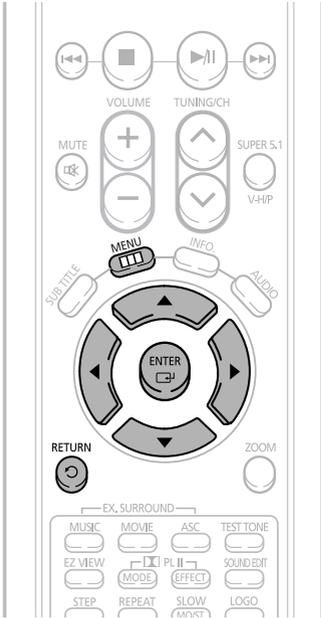


### Note

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

# 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.



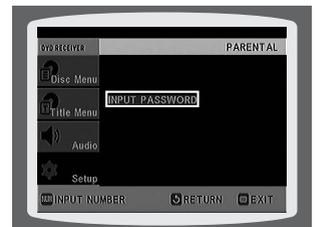
**3** Press Cursor **▼** button to move to 'PARENTAL' and then press **ENTER** button.



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



**5** Enter the password 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.

- 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.

# Setting the Wallpaper

JPEG

DVD

VCD

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

## Setting the Wallpaper

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



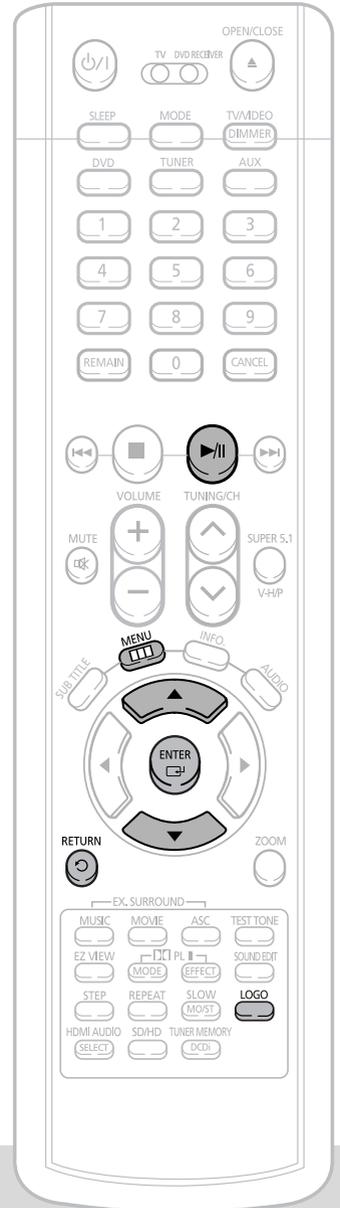
- 2 Press **LOGO** button.

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



- 3 The power will turn off and then back on.

- The selected wallpaper will be displayed.
- You can select up to 3 wallpaper settings.



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



Select this to set the desired image as your wallpaper.

## 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**.



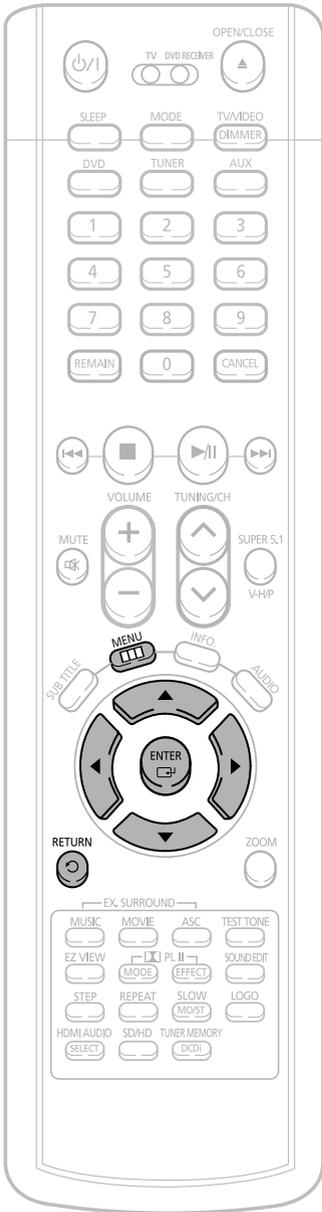
**5** Press **MENU** button to exit the setup screen.

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

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

# DVD Playback Mode

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



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



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



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



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

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



## When Selecting DVD Play Mode:

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

### Note

- DVD Play mode is set to DVD Audio as factory default setting.
- Powering off the main unit will automatically switch to the DVD Audio mode.

## DivX (R) registration



- Please use the Registration code to register this player with the DivX (R) video on demand format. To learn more, go to [www.divx.com/vod](http://www.divx.com/vod).

# SACD Playback Mode

If the SACD is created in HYBRID disc format, you can play the disc in CDDA MODE as well.

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



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



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

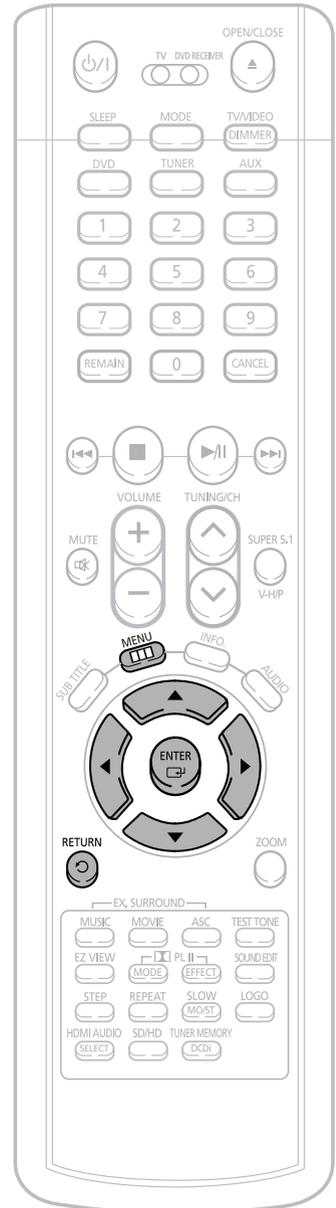


**4** Press Cursor **▲, ▼** button to move to 'SACD MODE' and then press **ENTER** button.



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

- **SACD MODE** : Set this mode to play SACD.
- **CDDA MODE** : Set this mode to play CDDA contents included in a disc.



SETUP

**Note**

- Powering off the main unit will automatically switch to the SACD mode.

# 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 **▼** button to move to 'Audio' and then press **ENTER** button.

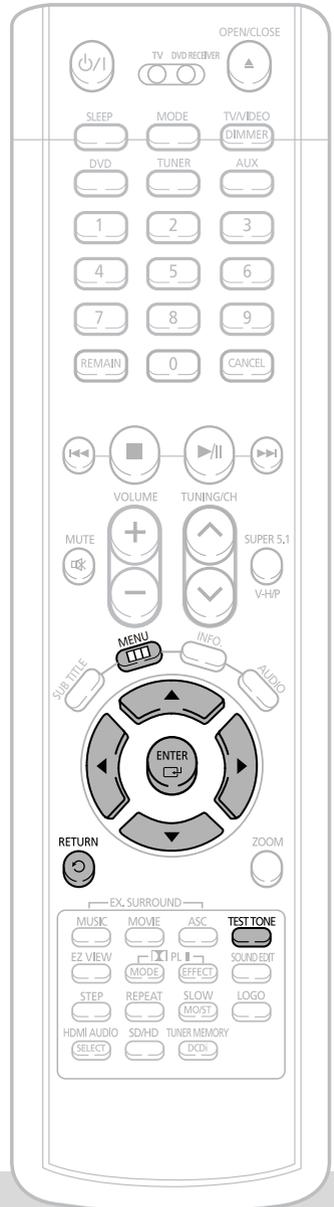


- 3 In the Speaker Setup, press the **ENTER** button again.



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

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



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

## Note

- Depending on PRO LOGIC and STEREO settings, the speaker mode may vary (see page 67).

# Setting the Test Tone

Use the Test Tone feature to check the speaker connections.

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



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



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

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



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

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

SETUP

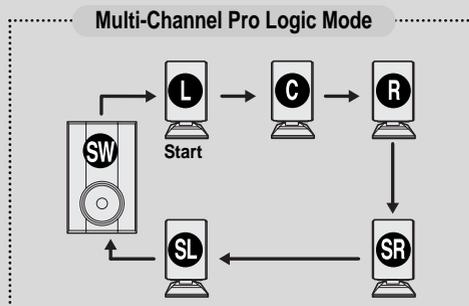
Alternate method: press the **TEST TONE** button on the remote.

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

Press **TEST TONE** button.

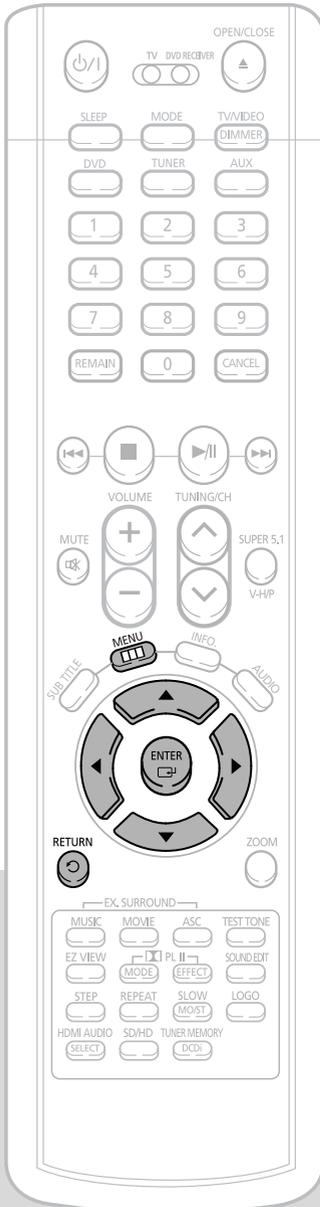
- Test tone will be produced as follows:  
When playing a DVD or CD, this will work only in Stop mode.
- Use this function to check that each speaker is correctly connected and that there is no problem.

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



# Setting the Delay Time

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



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



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



## Setting up the Speaker Delay Time

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

### Note

- With **PL** (Dolby Pro Logic II), the delay time may be different for each mode.
- With AC-3 and DTS, the delay time can be set between 00 and 15mSEC.
- The Center channel is only adjustable on 5.1 channel discs.

**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**

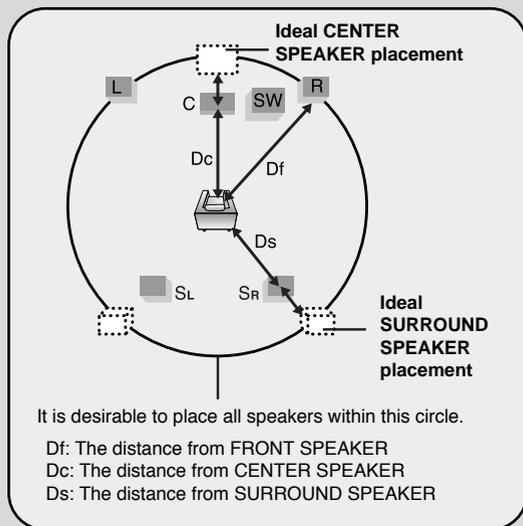
If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

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

**• Setting REAR (SURROUND) SPEAKERS**

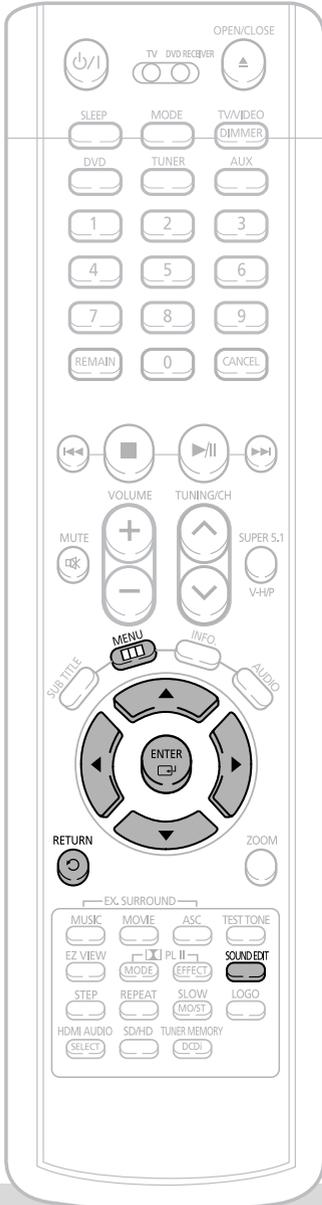
If the distance of Df is equal to the distance of Ds in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

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



# 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** 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 'SOUND EDIT' and then press **ENTER** button.



**4** Press Cursor **▲, ▼** buttons to select and adjust the desired item. Press the **◀, ▶** buttons to adjust the settings.



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

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

## Method 2 When manually adjusting with the SOUND EDIT button

### Adjusting Front Speaker Balance

- 1 Press **SOUND EDIT** button and then press Cursor  
◀, ▶.

```
FL  -00
FR  -00
```

### Adjusting Rear Speaker Balance

- 2 Press **SOUND EDIT** button and then press Cursor  
◀, ▶.

```
LS  -00
RS  -00
```

### Adjusting Center Speaker Level

- 3 Press **SOUND EDIT** button and then press Cursor  
◀, ▶.

```
CENTER
00dB
```

### Adjusting Rear Speaker Level

- 4 Press **SOUND EDIT** button and then press Cursor  
◀, ▶.

```
REAR
00dB
```

### Adjusting Subwoofer Level

- 5 Press **SOUND EDIT** button and then press Cursor  
◀, ▶.

```
SW
00dB
```

#### Note

- The adjustments will appear on the main unit's display, not on your TV screen.

#### 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 quieter 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.

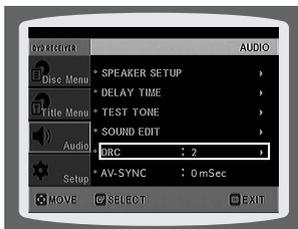
**1** In Stop mode, press **MENU** button.



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

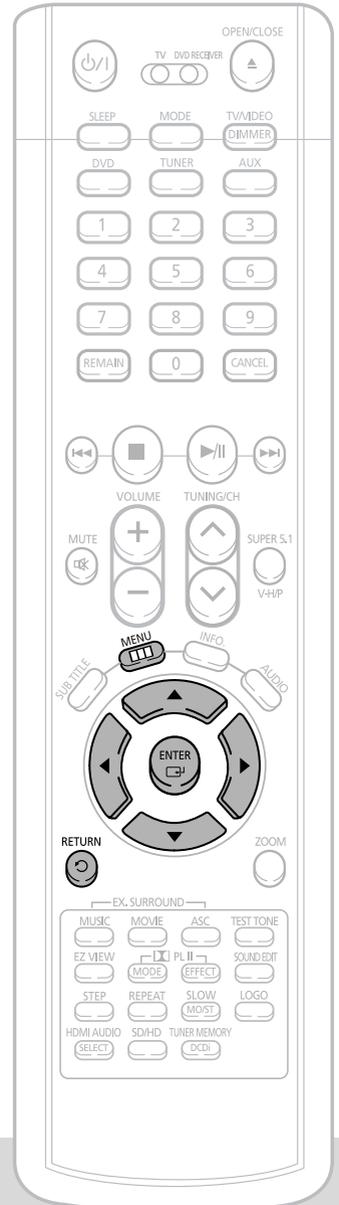


**3** Press Cursor **▼** button to move to 'DRC' and then press **ENTER** button.



**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.



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

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

# 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 Delay Time of AV-SYNC 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.

# 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.

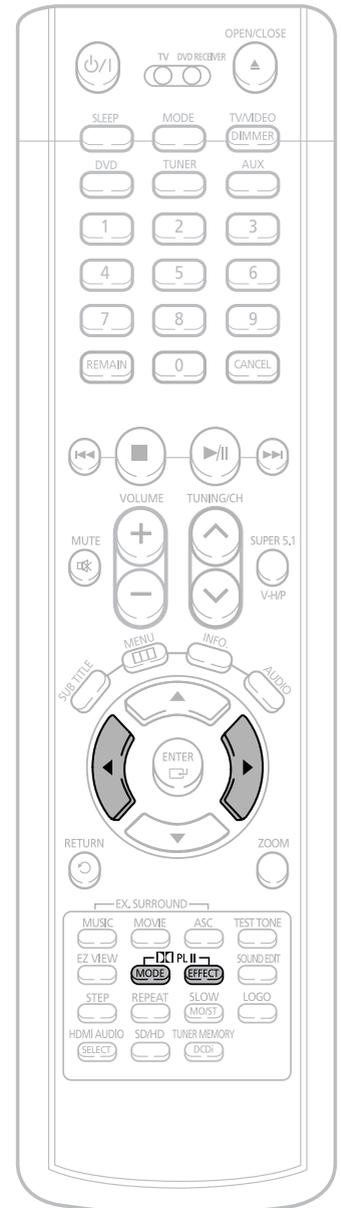
## PRO LOGIC II

- **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 simulated 5.1 channel surround sound.

**STEREO:** Select this to listen to sound from the front left and right speakers and the subwoofer only.

### Note

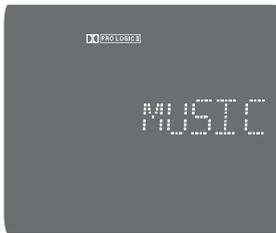
- When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to surround sound.



# 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 to select Panorama, then press Cursor **◀**, **▶** buttons to select the desired effect setting.

- You can select either 0 or 1.
- This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.



- 3** Press **PL II EFFECT** button to select C-Width, then press Cursor **◀**, **▶** buttons to select the desired effect setting.

- You can select between 0 and 7.
- This sets the width of the center image. The higher the setting, the less sound comes from the center speaker.



- 4** Press **PL II EFFECT** button to select Dimension, then press the Cursor **◀**, **▶** buttons to select the desired setting.

- You can select between 0 and 6.
- Incrementally adjusts the sound field (DSP) from the front or rear.



## Note

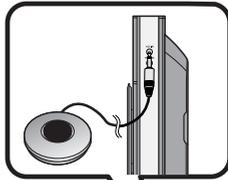
- When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and **PL II** (Dolby Pro Logic II) button does not work.

# Auto Sound Calibration Setup

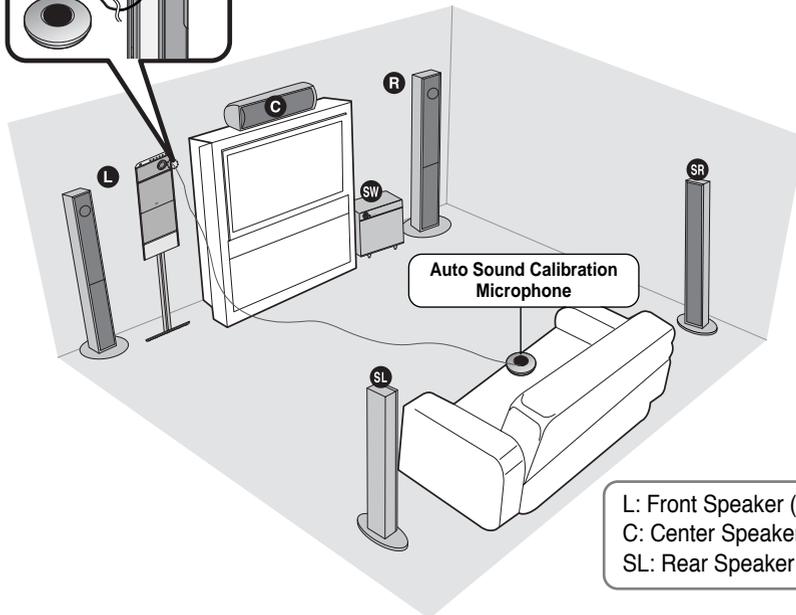
\* This function is available only for DVD/CD playback.

## 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 a 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        |
| 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.

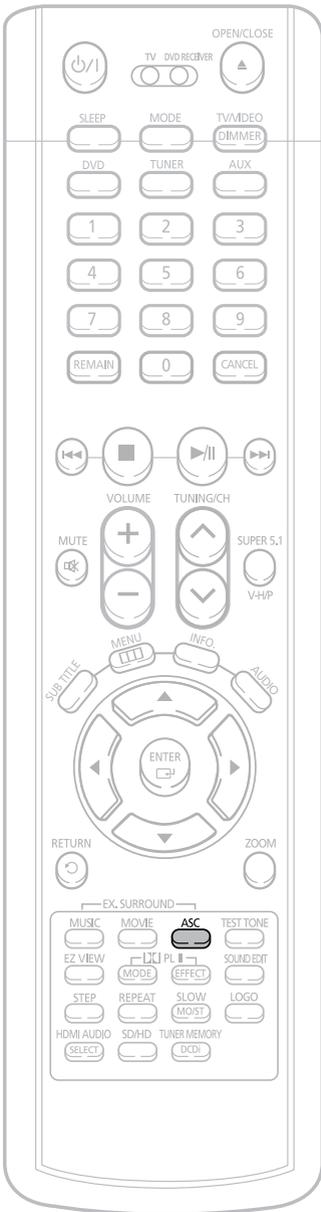
## To Turn the Sound Logo On/Off

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.

- 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 16.5 feet: Set the main unit's volume to over 25.
- If the distance between the listener and the speaker is 10 to 16.5 feet: Set the main unit's volume to 25.
- If the distance between the listener and the speaker is less than 10 feet: 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

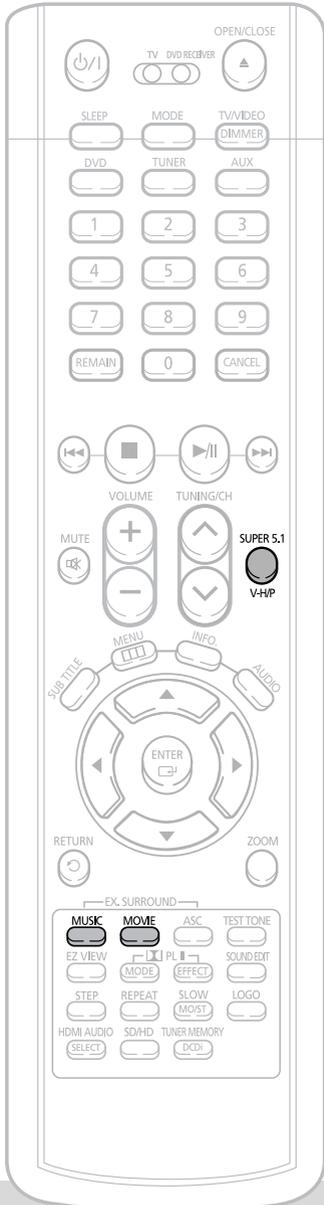
You can select from 4 different sound field modes for movies.

Press **MOVIE** button.

- Each time the button is pressed, the selection changes as follows: **VIRTUAL 9.1** → **EX.MOVIE** → **CINEMA** → **SPORTS** → **BYPASS**.

### 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.

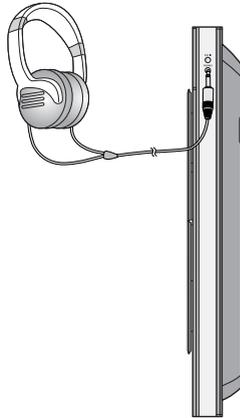


## Virtual Headphone Function

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**

- 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 **I◀◀▶▶I** is pressed, a preset broadcast station is selected.

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

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

## Main Unit

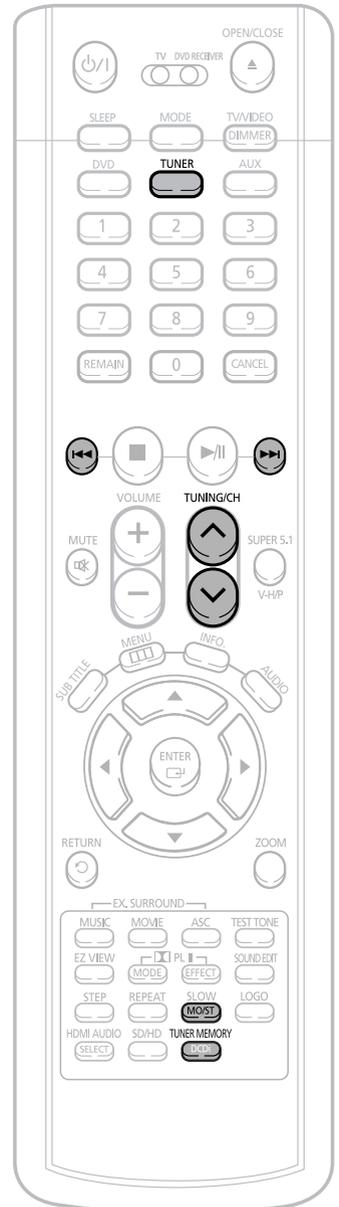
**1** Press the **Function** button to select the desired band (FM).

**2** Select a broadcast station.

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

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

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



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.

# Presetting Stations

You can store up to: 15 FM stations

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 75 to automatically or manually tune in to a station.



**3** Press the **TUNER MEMORY** button.

- "PRGM" flashes in the display. Tune in to a station.



**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.

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



# Convenient Functions

## Sleep Timer Function

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

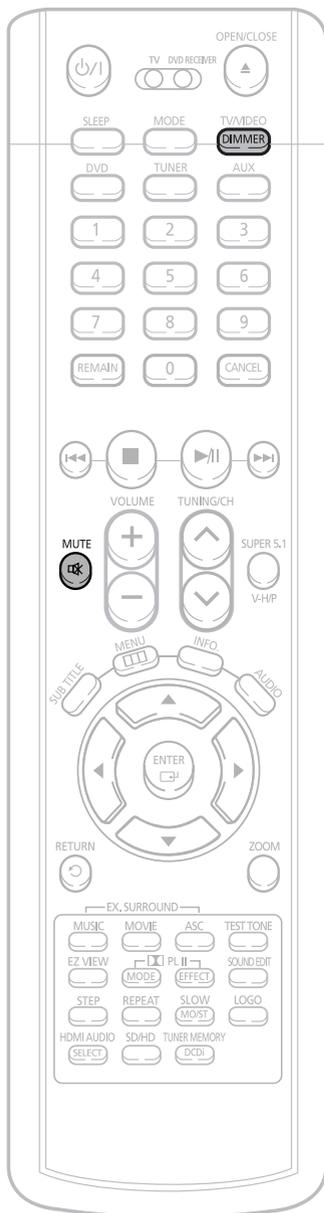
Press **SLEEP** button.

- "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: **DARK** → **BRIGHT**.

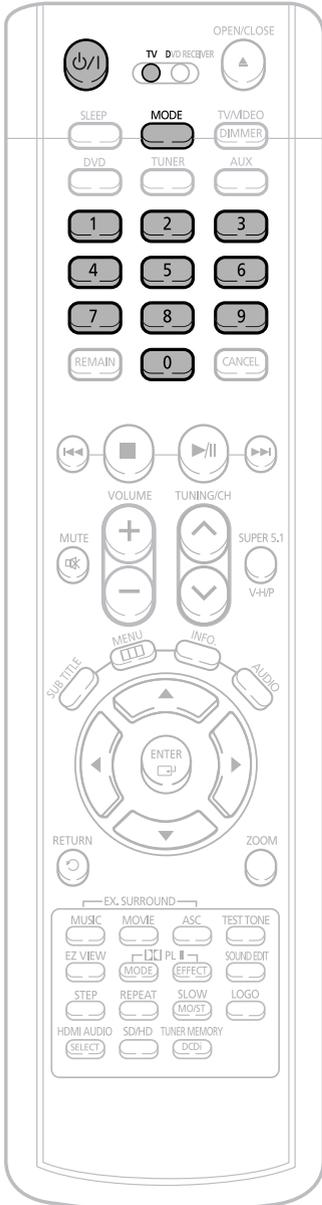
## Mute Function

This is useful when answering the door or a telephone call.

Press **MUTE** button.

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

# 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   |
|---|--|
| <b>Disc tray does not open.</b>   | <ul style="list-style-type: none"> <li>• Is the power cord plugged securely into the outlet?</li> <li>• Turn off the power and then turn it back on.</li> </ul>  |
| <b>Playback does not start.</b>   | <ul style="list-style-type: none"> <li>• Check the region number of the DVD. DVD discs purchased from abroad may not be playable.</li> <li>• CD-ROMs and DVD-ROMs cannot be played on this DVD player.</li> <li>• Make sure that the rating level is correct.</li> </ul>   |
| <b>Playback does not start immediately when the Play/Pause button is pressed.</b>                   | <ul style="list-style-type: none"> <li>• Are you using a deformed disc or a disc with scratches on the surface?</li> <li>• Wipe the disc clean.</li> </ul>   |
| <b>Sound is not produced.</b>   | <ul style="list-style-type: none"> <li>• No sound is heard during fast playback, slow playback, and step motion playback.</li> <li>• Are the speakers connected properly? Is the speaker setup correctly customized?</li> <li>• Is the disc severely damaged?</li> </ul>   |
| <b>Sound can be heard only from a few speakers and not all six.</b>                                 | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Make sure that the DVD disc is 5.1-CH compatible.</li> <li>• 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.</li> </ul> |
| <b>Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.</b> | <ul style="list-style-type: none"> <li>• 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.)</li> </ul>   |
| <b>Dolby Digital 5.1 CH Surround Sound is not produced.</b>   | <ul style="list-style-type: none"> <li>• Is there a "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.</li> <li>• Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?</li> </ul>  |

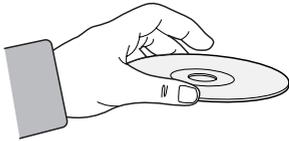
| Symptom   | Check/Remedy   |
|---|--|
| <ul style="list-style-type: none"> <li>• Disc is rotating but no picture is produced.</li> <li>• Picture quality is poor and picture is shaking.</li> </ul>                                   | <ul style="list-style-type: none"> <li>• Is the TV power on?</li> 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

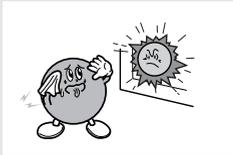


**Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.**

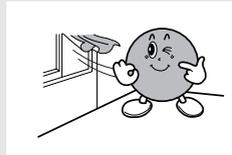
**Do not stick paper or tape on the disc.**

## ● Disc Storage

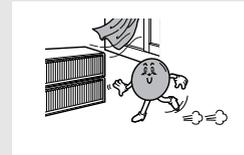
**Do not keep in direct sunlight**



**Keep in a cool ventilated area**



**Keep in a clean Protection jacket. Store vertically.**



### 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 49).

| 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 S5R        | 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 |
| 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 |
| S40                | Pentax    | Digital Camera |

| Product             | Company   | Type           |
|---------------------|-----------|----------------|
| 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                  |

## Multi Card Reader

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

## 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     |

## USB External HDD

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



# Specifications

|                             |                             |  |                         |                           |
|-----------------------------|-----------------------------|--|-------------------------|---------------------------|
| GENERAL                     | Power Consumption           | MAIN UNIT : 30W                        |                         |                           |
|                             |                             | SUBWOOFER : 100W                       |                         |                           |
|                             | Weight                      | MAIN UNIT : 6.1lbs                     |                         |                           |
|                             |                             | VERTICAL STAND : 17.6lbs               |                         |                           |
|                             | Dimensions (W x H x D)      | MAIN UNIT : 7.2 x 19.6 x 3.2 inches    |                         |                           |
|                             |                             | WITH STAND : 12.9 x 47.2 x 12.9 inches |                         |                           |
| Operating Temperature Range | 41°F ~ 95°F                 |  |                         |                           |
| 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                    |                             | 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                             | 4.1 x 51.5 x 2.9 inches | 10.6 x 19.6 x 14.9 inches |
|                             |                             | Center                                 | 21.6 x 4.3 x 3.0 inches |                           |
|                             | Weight                      | Front/Rear                             | 13.6lbs                 | 28.6lbs                   |
| Center                      |                             | 4.4lbs                                 |                         |                           |

## **Samsung Limited Warranty**

**Samsung Electronics Canada Inc. (SECA)**, warrants that this product is free from defective material and workmanship.

SECA further warrants that if this product fails to operate properly within the specified warranty period and the failure is due to improper workmanship or defective material SECA will repair or replace the product at its option.

All warranty repairs must be performed by a SECA authorized service centre. (The name and address of the location nearest you can be obtained by calling toll free **1-800-726-7864** or visiting our web site at **www.samsung.ca**)

Labour  
**one (1) year (carry-in)**

Parts  
**one (1) year**

On carry-in models, transportation to and from the service centre is the customer's responsibility.

The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase. It must be presented to the authorized service centre at the time service is requested.

### **Exclusions**

This warranty does not cover damage due to accident, fire flood and/or other acts of God; misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damage that occurs in shipping. Exterior and interior finish, lamps and glass are not covered under this warranty. Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty.

This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in Canada.

## Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

## Contactez SAMSUNG WORLD WIDE

Si vous avez des commentaires ou des questions concernant les produits Samsung, contactez le centre de service à la clientèle SAMSUNG.

| Region               | Country                     | Customer Care Center ☎       | Web Site              |
|----------------------|-----------------------------|------------------------------|-----------------------|
| North America        | CANADA                      | 1-800-SAMSUNG (7267864)      | www.samsung.com/ca    |
|                      | MEXICO                      | 01-800-SAMSUNG (7267864)     | www.samsung.com/mx    |
|                      | U.S.A                       | 1-800-SAMSUNG (7267864)      | www.samsung.com       |
| Latin America        | ARGENTINE                   | 0800-333-3733                | www.samsung.com/ar    |
|                      | BRAZIL                      | 0800-124-421                 | www.samsung.com/br    |
|                      | CHILE                       | 800-726-7864(SAMSUNG)        | www.samsung.com/cl    |
|                      | COSTA RICA                  | 0-800-507-7267               | www.samsung.com/latin |
|                      | ECUADOR                     | 1-800-10-7267                | www.samsung.com/latin |
|                      | EL SALVADOR                 | 800-6225                     | www.samsung.com/latin |
|                      | GUATEMALA                   | 1-800-299-0013               | www.samsung.com/latin |
|                      | JAMAICA                     | 1-800-234-7267               | www.samsung.com/latin |
|                      | PANAMA                      | 800-7267                     | www.samsung.com/latin |
|                      | PUERTO RICO                 | 1-800-682-3180               | www.samsung.com/latin |
|                      | REP. DOMINICA               | 1-800-751-2676               | www.samsung.com/latin |
|                      | TRINIDAD & TOBAGO           | 1-800-7267-864               | www.samsung.com/latin |
| VENEZUELA            | 1-800-100-5303              | www.samsung.com/latin        |                       |
| Europe               | BELGIUM                     | 02 201 2418                  | www.samsung.com/be    |
|                      | CZECH REPUBLIC              | 844 000 844                  | www.samsung.com/cz    |
|                      | DENMARK                     | 38 322 887                   | www.samsung.com/dk    |
|                      | FINLAND                     | 09 693 79 554                | www.samsung.com/fi    |
|                      | FRANCE                      | 08 25 08 65 65 (0,15€/Min)   | www.samsung.com/fr    |
|                      | GERMANY                     | 01805 - 121213 (€ 0,12/Min)  | www.samsung.de        |
|                      | HUNGARY                     | 06 40 985 985                | www.samsung.com/hu    |
|                      | ITALIA                      | 199 153 153                  | www.samsung.com/it    |
|                      | LUXEMBURG                   | 02 261 03 710                | www.samsung.lu        |
|                      | NETHERLANDS                 | 0900 20 200 88 (€ 0.10/Min)  | www.samsung.com/nl    |
|                      | NORWAY                      | 231 627 22                   | www.samsung.com/no    |
|                      | POLAND                      | 0 801 801 881                | www.samsung.com/pl    |
|                      | PORTUGAL                    | 80 8 200 128                 | www.samsung.com/pt    |
|                      | SLOVAKIA                    | 0850 123 989                 | www.samsung.com/sk    |
|                      | SPAIN                       | 902 10 11 30                 | www.samsung.com/es    |
| SWEDEN               | 08 585 367 87               | www.samsung.com/se           |                       |
| U.K                  | 0870 242 0303               | www.samsung.com/uk           |                       |
| CIS                  | RUSSIA                      | 8-800-200-0400               | www.samsung.ru        |
|                      | UKRAINE                     | 8-800-502-0000               | www.samsung.com/ur    |
| Asia Pacific         | AUSTRALIA                   | 1300 362 603                 | www.samsung.com/au    |
|                      | CHINA                       | 800-810-5858, 010- 6475 1880 | www.samsung.com.cn    |
|                      | HONG KONG                   | 2862 6001                    | www.samsung.com/hk    |
|                      | INDIA                       | 3030 8282<br>1600 1100 11    | www.samsung.com/in    |
|                      | INDONESIA                   | 0800-112-8888                | www.samsung.com/id    |
|                      | JAPAN                       | 0120-327-527                 | www.samsung.com/jp    |
|                      | MALAYSIA                    | 1800-88-9999                 | www.samsung.com/my    |
|                      | PHILIPPINES                 | 1800-10-SAMSUNG (7267864)    | www.samsung.com/ph    |
|                      | SINGAPORE                   | 1800-SAMSUNG (7267864)       | www.samsung.com/sg    |
| THAILAND             | 1800-29-3232<br>02-689-3232 | www.samsung.com/th           |                       |
| Middle East & Africa | TAIWAN                      | 0800-329-999                 | www.samsung.com/tw    |
|                      | VIETNAM                     | 1 800 588 889                | www.samsung.com/vn    |
|                      | SOUTH AFRICA                | 0860 7267864 (SAMSUNG)       | www.samsung.com/za    |
|                      | U.A.E                       | 800SAMSUNG (7267864)         | www.samsung.com/mea   |