



Instruction Manual

ENG

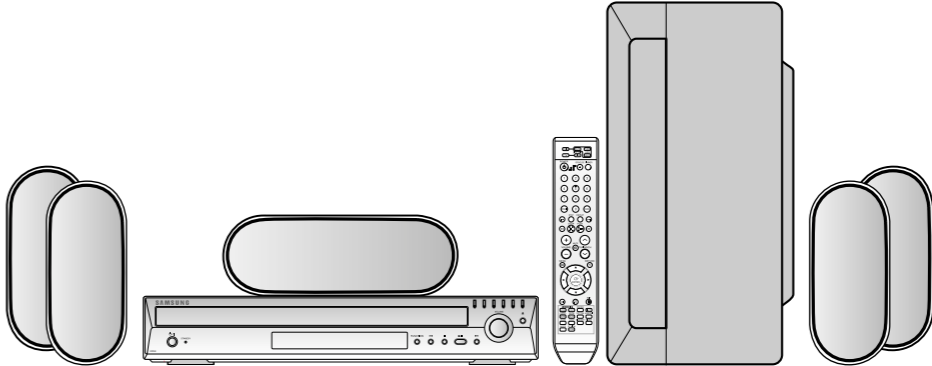
DVD HOME THEATER SYSTEM

HT-X50



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

Samsung Electronics America, Inc.
1-800-SAMSUNG (7267864)
www.samsung.com



AH68-01957C
REV: 00



Anynet+

Safety Warnings

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

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

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

CLASS 1 LASER PRODUCT

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

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

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

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

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.

WARNING

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

CAUTION

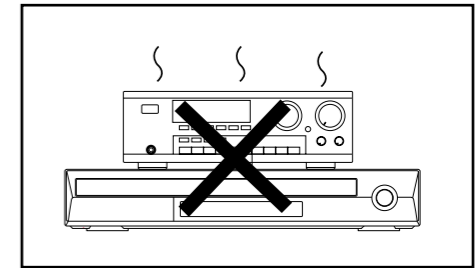
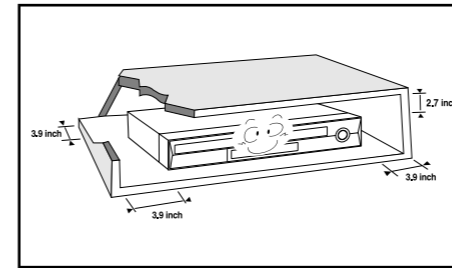
Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Important Safety Instructions

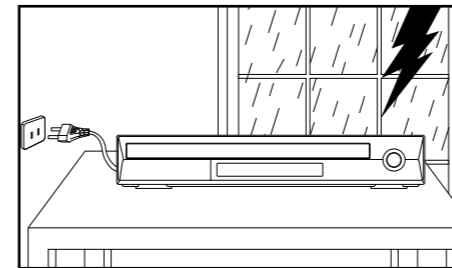
Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below. Keep these operating instructions handy for future reference.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus. Service is also required if the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

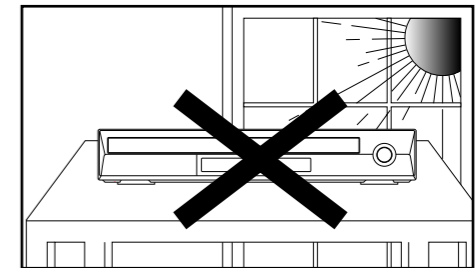
Precautions



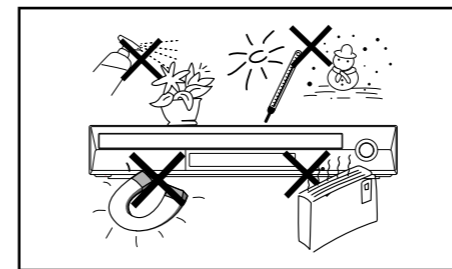
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3-4inches). Make sure the ventilation slots are not covered. Do not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



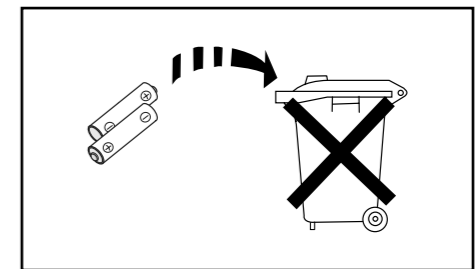
During thunderstorms, disconnect the AC main plug from the wall outlet. Voltage peaks due to lightning could damage the unit. The Mains plug is used as a disconnect device and shall stay readily operable at any time.



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.

Multi-Disc Playback & FM Tuner

The HT-X50 combines the convenience of multi-disc playback capability, including DVD-AUDIO, DVD-VIDEO, 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.

Dolby Pro Logic II

Dolby Pro Logic II is a form of multi-channel audio signal decoding technology that improves upon existing Dolby Pro Logic.

DTS (Digital Theater Systems)

DTS is an audio compression format developed by Digital Theater Systems Inc. It delivers full-frequency 5.1 channel sound.

TV Screen Saver Function

If the main unit remains in stop mode for 3 minutes, Samsung logo appears on TV screen. The HT-X50 automatically switches itself into the power saving mode after 20 minutes in the Screen Saver mode.

Power Saving Function

The HT-X50 automatically shuts itself off after 20 minutes in Stop mode.

Customized TV Screen Display

The HT-X50 allows you to select your favorite image during JPEG or DVD playback and set it as your background wallpaper.

HDMI

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

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.

Anynet+ (HDMI-CEC) Function

Anynet+ is a function that can be used to operate the main unit using a Samsung TV remote control, by connecting the Home Theater to a SAMSUNG TV using an HDMI Cable. (This is only available with SAMSUNG TVs that support Anynet+.)

PREPARATION

| | |
|-----------------------|---|
| Safety Warnings | 2 |
| Precautions..... | 3 |
| Features..... | 4 |
| Notes on Discs | 6 |
| Description..... | 8 |

CONNECTIONS

| | |
|--|----|
| Connecting the Speakers | 12 |
| Connecting the Optional Wireless Receiving Amplifier | 14 |
| Connecting the Video Out to your TV | 16 |
| HDMI Function..... | 17 |
| Connecting Audio from External Components | 18 |
| Connecting the FM Antenna..... | 20 |

OPERATION

| | |
|---|----|
| Before Reading the User's Manual | 21 |
| Before Using Your Home Theater | 22 |
| Disc Playback | 23 |
| MP3/WMA-CD Playback | 24 |
| JPEG File Playback..... | 25 |
| DivX Playback | 26 |
| Using the Playback Function..... | 28 |
| Displaying Disc Information | 28 |
| Checking the Remaining Time..... | 29 |
| Fast Playback | 29 |
| Slow Playback | 29 |
| Skipping Scenes/Songs..... | 30 |
| Repeat Playback..... | 31 |
| To Select a Repeat Playback Mode in the Disc Information Screen | 31 |
| A-B Repeat Playback..... | 32 |
| Step Function..... | 32 |
| Angle Function..... | 33 |
| Zoom (Screen Enlarge) Function | 33 |
| EZ VIEW Function | 34 |
| Bonus Group..... | 34 |
| Navigating Pages..... | 34 |
| Audio Language Selection Function..... | 35 |
| Subtitle Language Selection Function | 35 |
| Moving Directly to a Scene/Song | 36 |
| Using the Disc Menu | 37 |
| Using the Title Menu..... | 37 |
| Playing Media Files using the USB HOST Feature..... | 38 |

SETUP

| | |
|---|----|
| Settings..... | 40 |
| Setting the Language | 40 |
| Setting TV Screen type | 41 |
| Setting Parental Controls (Rating Level)..... | 42 |
| Setting the Password | 42 |
| Setting the Wallpaper | 43 |
| To Select One of the 3 Wallpaper Settings you've made | 43 |
| DVD Playback Mode | 44 |
| DivX (R) registration | 44 |
| Setting the Speaker Mode..... | 44 |
| Setting the Delay Time | 45 |
| Setting the Test Tone..... | 46 |
| Setting the Audio | 47 |
| Setting the DRC (Dynamic Range Compression)..... | 48 |
| Setting the AV SYNC..... | 48 |
| Setting the HDMI Audio..... | 49 |
| Sound Field (DSP)/EQ Function | 50 |
| Dolby Pro Logic II Mode..... | 51 |
| Dolby Pro Logic II Effect..... | 52 |

MISCELLANEOUS

| | |
|--|----|
| Listening to Radio..... | 53 |
| Convenient Functions..... | 55 |
| Operating a TV with the Remote Control | 56 |
| Troubleshooting | 58 |
| Cautions on Handling and Storing Discs..... | 60 |
| Language Code List | 61 |
| USB Host Feature Supported Products | 62 |
| Specifications..... | 63 |

Notes on Discs



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

Playable Discs



| Disc Type | Mark (Logo) | Recorded Signals | Disc Size | Max. Playing Time |
|------------------------|-------------|------------------|-----------|--|
| DVD-AUDIO DVD-VIDEO | | Audio + Video | 5" | Approx. 240 min. (single-sided) Approx. 480 min. (double-sided) |
| | | | 3 1/2" | Approx. 80 min. (single-sided) Approx. 160 min. (double-sided) |
| AUDIO-CD | | Audio | 5" | 74 min. |
| | | | 3 1/2" | 20 min. |
| DivX | | Audio + Video | 5" | 74 min. |
| | | | 3 1/2" | 20 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 DISC FORMAT>** message appears on the TV screen.

Copy Protection

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

This product is covered by one or more of the following U.S. patents:

5,060,220 5,457,669 5,561,649 5,705,762 5,987,417 6,043,912 6,222,983 6,272,096 6,377,524 6,377,531
6,385,587 6,389,570 6,408,408 6,466,532 6,473,736 6,477,501 6,480,829 6,556,520 6,556,521 6,556,522
6,578,163 6,594,208 6,631,110 6,658,588 6,674,697 6,674,957 6,687,455 6,697,307 6,707,985 6,721,243
6,721,493 6,728,474 6,741,535 6,744,713 6,744,972 6,765,853 6,765,853 6,771,890 6,771,891 6,775,465
6,778,755 6,788,629 6,788,630 6,795,637 6,810,201 6,862,256 6,868,054 6,894,963 6,937,552

This product is covered by the following U.S. patents:

US4,930,158 US4,930,160

Disc Recording Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc. Do not use CD-R discs over 700MB/80 minute as they may not be playback.
- 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 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

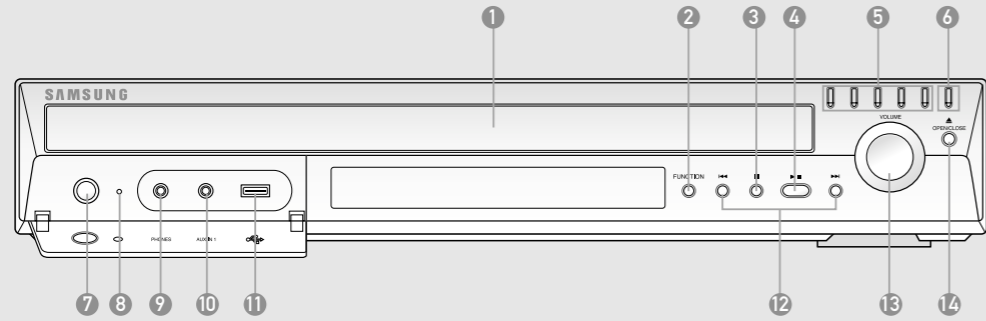
- Only files with the "jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length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

DVD±R/RW, CD-R/RW DivX Discs

- Since this product only provides encoding formats authorized by DivX Networks, Inc., a DivX file created by the user might not play.
- Software update for incompatible formats is not supported. (Example : QPEL, GMC, resolution higher than 800 x 600 pixels, etc.)
- Sections with a high frame rate might not be played while playing a DivX file.
- For more information about the formats authorized by DivX Networks, Inc., please visit "www.divxnetworks.net".

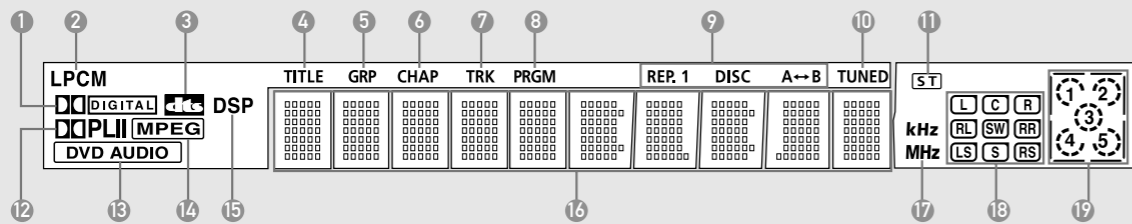
Description

Front Panel



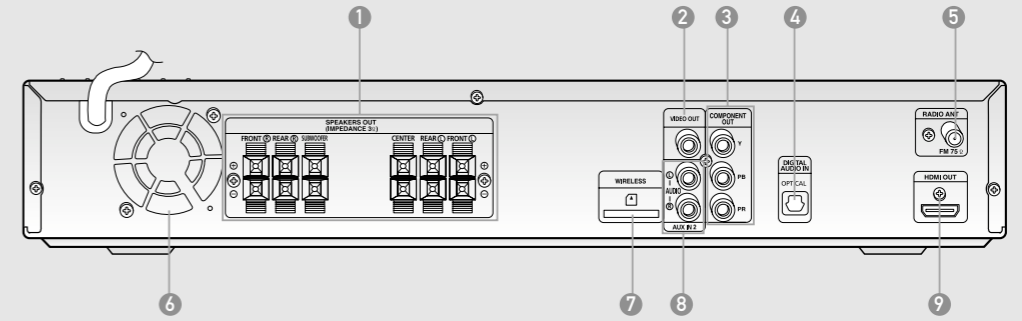
- | | | |
|----------------------------|------------------------|----------------------------------|
| 1. Disc Tray | 6. Disc Change button | 11. USB Port |
| 2. Function button | 7. Power (⏻) button | 12. Tuning Up & Skip (▶▶) button |
| 3. Stop (■) button | 8. Standby indicator | 13. Volume Control |
| 4. Play/Pause (▶) button | 9. Headphone Jack | 14. Open/Close button |
| 5. Direct Play buttons | 10. AUX IN 1 Connector | 11. USB Port |
| | | 12. Tuning Up & Skip (▶▶) button |
| | | 13. Volume Control |
| | | 14. Open/Close button |

Display



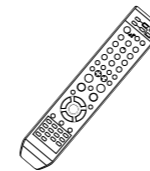
- | | | |
|----------------------------|--------------------------|-------------------------------|
| 1. DOLBY DIGITAL indicator | 8. PROGRAM indicator | 15. DSP indicator |
| 2. LINEAR PCM indicator | 9. REPEAT indicator | 16. System Status Display |
| 3. DTS indicator | 10. TUNED indicator | 17. RADIO FREQUENCY indicator |
| 4. TITLE indicator | 11. STEREO indicator | 18. SPEAKER indicator |
| 5. GROUP indicator | 12. DOLBY PLII indicator | 19. DISC(1~5) indicator |
| 6. CHAPTER indicator | 13. DVD AUDIO indicator | |
| 7. TRACK indicator | 14. MPEG indicator | |

Rear Panel



- | | |
|--|---------------------------------|
| 1. 5.1 Channel Speaker Output Connector | 5. FM 75Ω COAXIAL Jack |
| 2. Video Output Connector Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT connector. | 6. Cooling Fan |
| 3. Component Video Output Connector Connect a TV with component video inputs to these jacks. | 7. TX Card Connection(WIRELESS) |
| 4. External Digital Optical Input Connector Use this to connect external equipment capable of digital output. | 8. AUX IN 2 Connectors |
| | 9. HDMI Output Jack |

Accessories



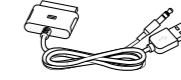
Remote Control (AH59-01778F)



Video Cable (AH39-40001V)



FM Antenna (AH42-00017A)

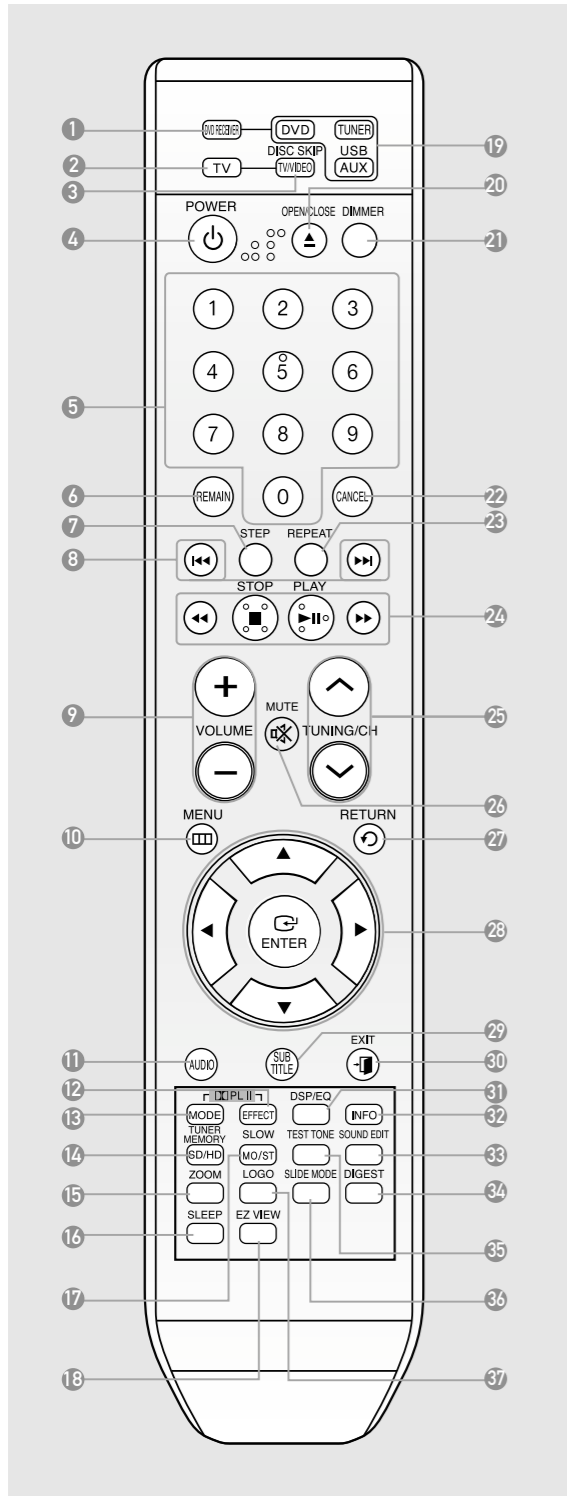


Audio Cable (AH39-00954A)



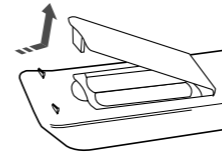
User's Manual (AH68-01957C)

Remote Control

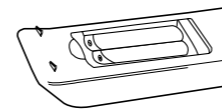


1. DVD RECEIVER button
2. TV button
3. TV/VIDEO, DISC SKIP button
4. POWER button
5. Number(0~9) buttons
6. REMAIN button
7. STEP button
8. Tuning Preset/CD Skip buttons
9. VOLUME button
10. MENU button
11. AUDIO button
12. PL II EFFECT button
13. PL II MODE button
14. TUNER MEMORY, SD(Standard Definition)/HD(High Definition) button
15. ZOOM button
16. SLEEP button
17. SLOW, MO/ST button
18. EZ VIEW button
19. DVD button
 TUNER button
 USB, AUX button
20. OPEN/CLOSE button
21. DIMMER button
22. CANCEL button
23. REPEAT button
24. PLAY/PAUSE button
 STOP button
 SEARCH buttons
25. TUNING/CH button
26. MUTE button
27. RETURN button
28. Cursor/ENTER button
29. SUBTITLE button
30. EXIT button
31. DSP/EQ button
32. INFO button
33. SOUND EDIT button
34. DIGEST button
35. TEST TONE button
36. SLIDE MODE button
37. LOGO button

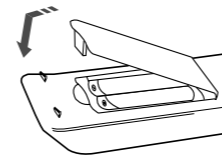
Insert Remote Batteries



- 1 Remove the battery cover in the direction of the arrow.
- 2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and -).
- 3 Replace the battery cover.

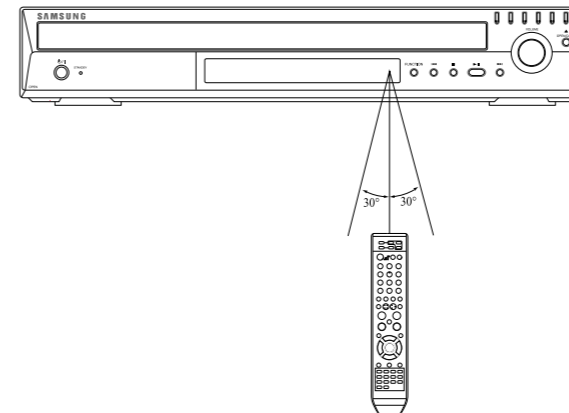


- !** Follow these precautions to avoid leaking or cracking cells:
- Place batteries in the remote control so they match the polarity : (+) to (+) and (-) to (-).
 - Use the correct type of batteries. Batteries that look similar may differ in voltage.
 - Always replace both batteries at the same time.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



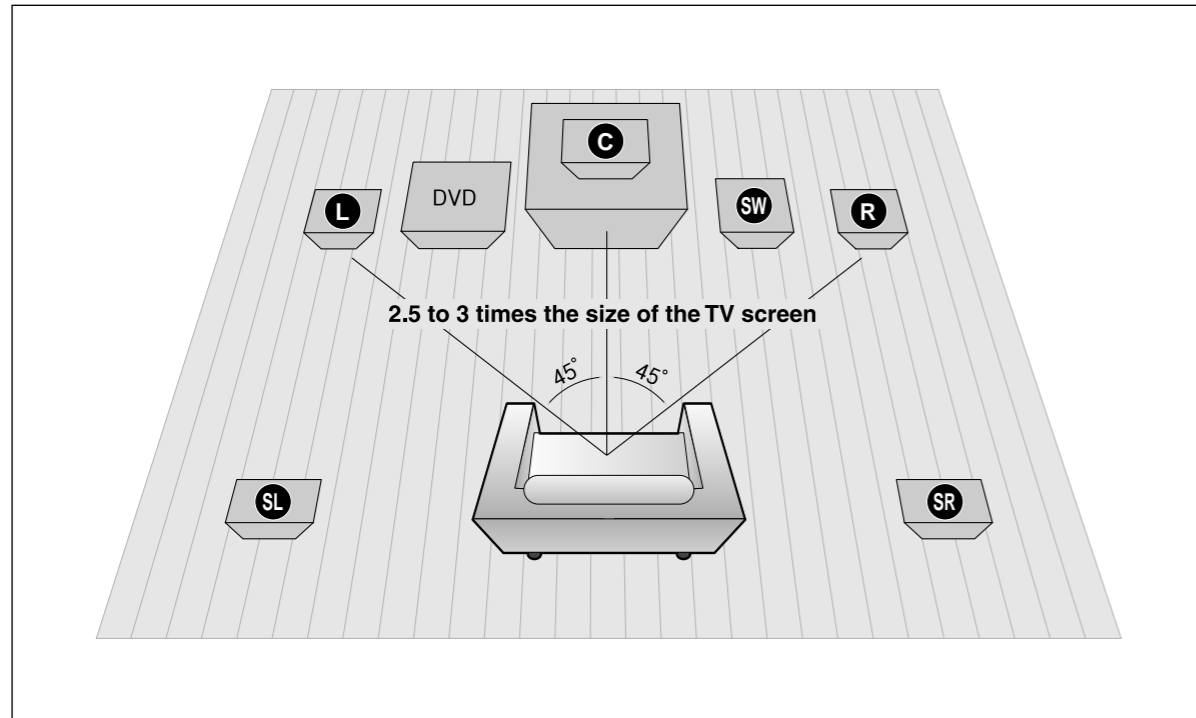
Operation Range of the Remote Control

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.



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.

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.

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.

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)

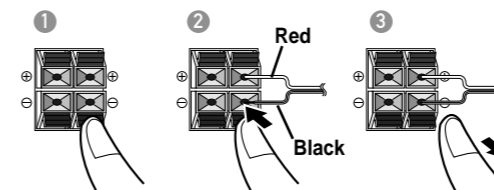
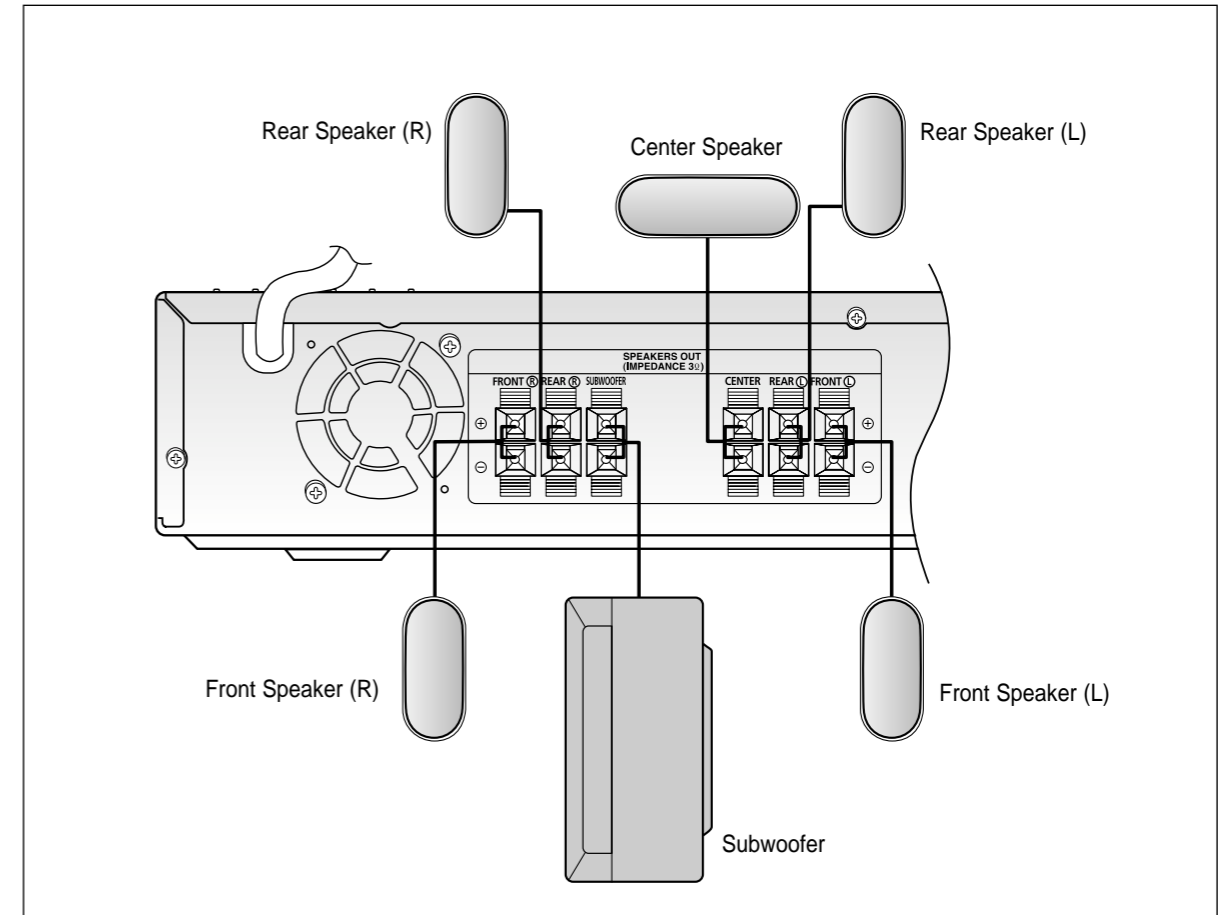
Rear Speakers **SL SR**

- 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.

Subwoofer **SW**

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



- 1 Press and hold the terminal tab.
- 2 Insert the speaker cord.
- 3 Release your finger.

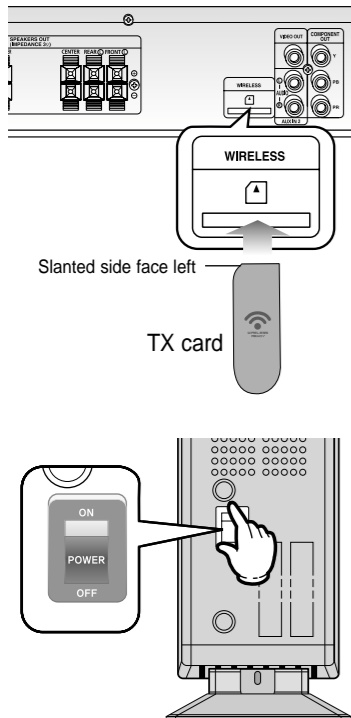
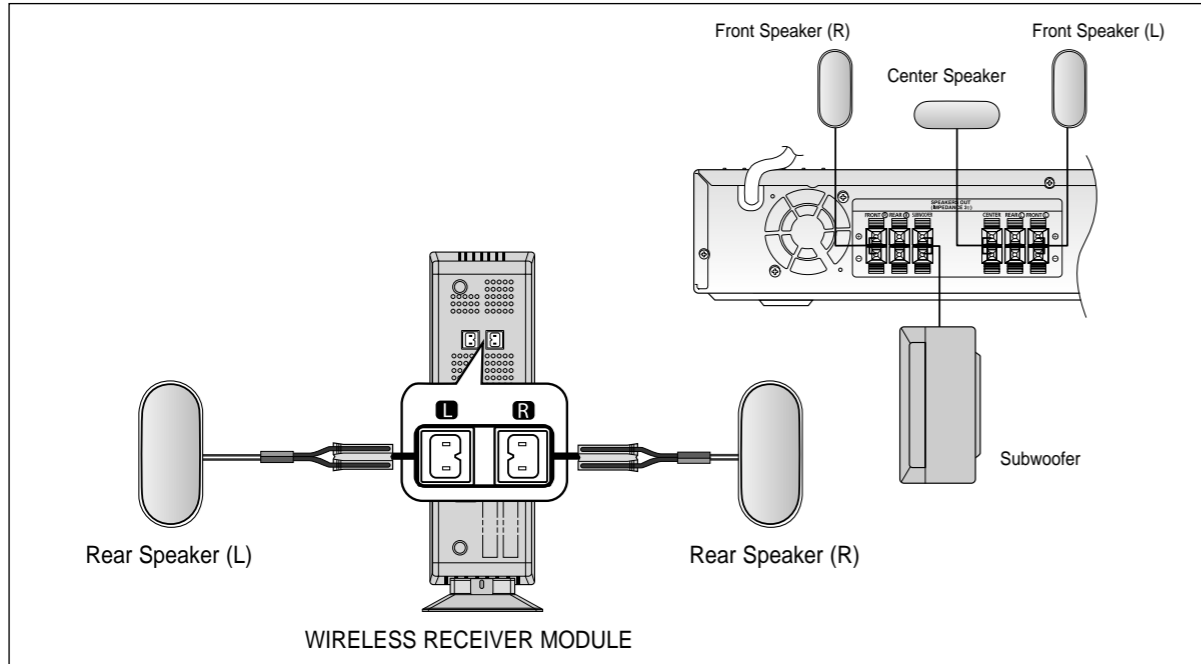
- Do not let children play with or near the speakers. They could get hurt if a speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/-) is correct.
- Keep the subwoofer speaker out of reach of children so as to prevent children from inserting their hands or alien substances into the duct (hole) of the subwoofer speaker.
- Do not hang the subwoofer on the wall through the duct (hole).

- 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 Optional Wireless Receiving Amplifier

To connect the rear speakers wirelessly, you have to purchase the wireless receiving module and TX card from your Samsung retailer.

When you have Purchased the Wireless Receiving Module (SWA-3000)

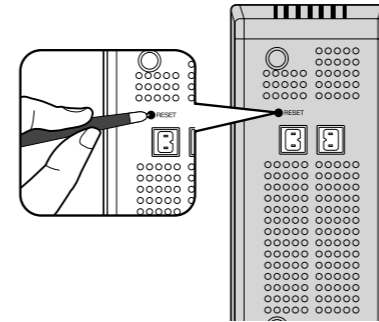


- 1 Connect the Front, Center and Subwoofer speakers to the main unit, referring to page 13.
- 2 With the main unit turned off, insert the TX card into the TX Card Connection(WIRELESS) on the back of the main unit.
 - Hold the TX card so that the slanted side faces leftward and insert the card into the port.
 - The TX card enables communication between the main unit and the wireless receiver.
- 3 Connect the left and right rear speakers to the wireless receiving module.
- 4 Plug the power cord of the wireless receiving module in the wall outlet and switch the power switch 'ON'.

- ! Do not insert a card other than the TX card dedicated for the product. The product might be damaged or the card may not be removed easily.
- Do not insert the TX card upside down or in the reverse direction.
- Insert the TX card when the main unit is turned off. Inserting the card when it is turned on may cause a problem.
- If the TX Card is inserted in the main unit, the rear speakers don't output sounds.

Resetting the Wireless Receiving Module

Reset the system if a communication failure occurs, or if the Link indicator (blue LED) on the wireless receiver does not light up and the "REAR CHK" message blinks on the main unit's display. Reset the system while the main unit and the wireless receiver module (SWA-3000) are in Power Standby mode.



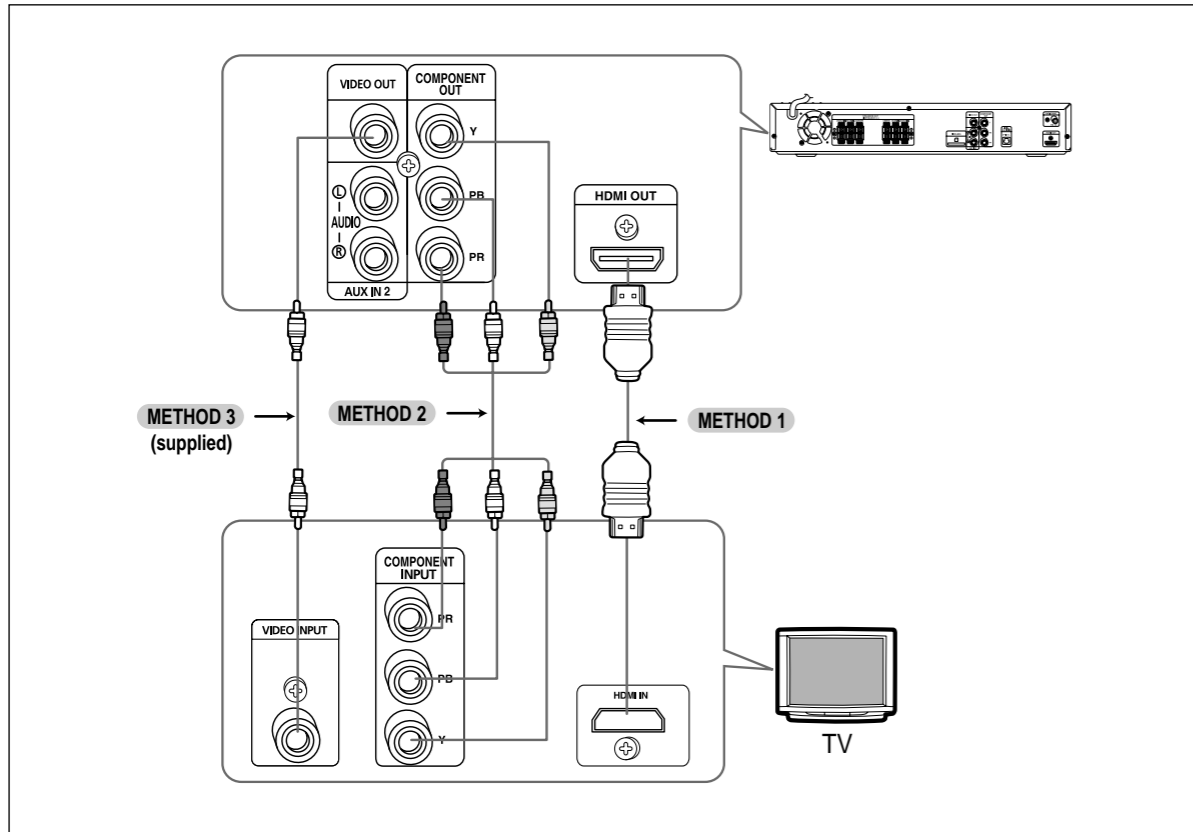
- 1 With the main unit turned off, press and hold the remote control's REMAIN button for 5 seconds.
 - The STANDBY LED on the front panel of the wireless receiver module blinks.
- 2 With the wireless receiver module turned on, use a ball point pen or a toothpick to press the RESET button on the back of the unit.
 - The STANDBY LED on the front panel of the wireless receiver module blinks 2 Times.
- 3 Turn on the main unit.
 - The LINK LED of the wireless receiver module is lit and the Reset is completed.
 - If Power Standby mode continues, repeat Steps 1 to 3 above.

- ! When the wireless receiving module setting is complete, no audio signal is output from the Rear Speaker Output Connector on the back of the main unit.
- The wireless receiving antenna is built into the wireless receiver module. Keep the unit away from water and moisture.
- For optimal listening performance, make sure that the area around the wireless receiver module location is clear of any obstructions.
- Sound will be heard from the wireless rear speakers in DVD 5.1-CH or Dolby Pro Logic II mode only.
- In 2-CH mode, no sound will be heard from the wireless rear speakers.

- ✎ Place the wireless receiver module at the rear of the listening position. If the wireless receiver module is too close to the main unit, some sound interruption may be heard due to interference.
- If you use a device such as a microwave oven, wireless LAN Card, Bluetooth equipment, or any other device that uses the same frequency (2.4GHz) near the system, some sound interruption may be heard due to interference.
- The transmission distance of a radio wave is about 33 feet, but may vary depending on your operating environment. If a steel-concrete wall or metallic wall is between the main unit and the wireless receiver module, the system may not operate at all, because the radio wave cannot penetrate metal.

Connecting the Video Out to your TV

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



METHOD 1 : HDMI (Best Quality)

Connect the HDMI cable (not supplied) from the HDMI OUT jack on the back of the main unit to the HDMI IN jack on your TV.

METHOD 2 : Component Video (Better Quality)

If your television is equipped with Component Video inputs, connect a component video cable(not supplied) from the Component Video Output (Pr, Pb and Y) Connectors on the back of the main unit to the Component Video Input Connectors on your TV.

METHOD 3 : Composite Video (Good Quality)

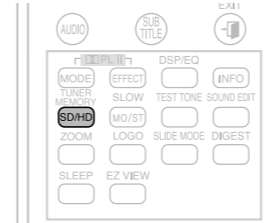
Connect the supplied video cable from the VIDEO OUT jack on the back of the main unit to the VIDEO IN jack on your TV.

- This product operates in Progressive scan mode(480i Only) for Component Output.
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Home theater. See your TV owner's manual for more information on how to select the TV's Video Input source.
- If you use an HDMI cable to connect a Samsung TV to the main unit, you can operate the Home Theater using the TV's remote control. (This is only available with SAMSUNG TVs that support Anynet+(HDMI-CEC).)
- Please check the **Anynet+** logo (If your TV has an **Anynet+** logo, then it supports Anynet+ function.)

HDMI Function

Resolution Selection

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



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

- Resolutions available for the HDMI output are 480p, 720P and 1080i.
- SD(Standard Definition) resolution is 480p and HD(High Definition) resolution is 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.

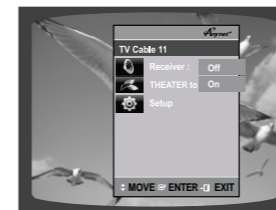
What is HDMI (High Definition Multimedia Interface)?

This device transmits a DVD video signal digitally without the process of converting to analog. You will get sharper digital pictures when using an HDMI connection.

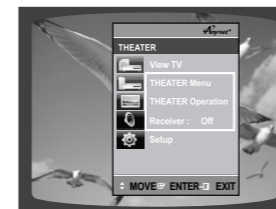
- The default setting of the HDMI output is 480p.
- When a HDMI TV is connected, composite and component video signals are not output.
- See your TV owner's manual for more information on how to select the TV's Video Input source.

Using Anynet+(HDMI-CEC)

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control, Anynet+ can be used by connecting this Home Theater to a SAMSUNG TV using an HDMI Cable. (This is only available with SAMSUNG TVs that support Anynet+.)



- 1 Connect the main unit of the Home Theater to a Samsung TV with an HDMI cable. (See page 16)
- 2 Set the Anynet+ function on your TV. (See the TV instruction manual for more information.)
 - You can operate the Home Theater by using the TV remote control. (Available TV buttons : ◀, ▶, ⏪, ⏩, ▲, ▼ and ◀, ▶ buttons, 0 ~ 9 button)



If you select the TV

Set the Anynet+(HDMI-CEC) to <On> on your TV.

- <Receiver : On> : You can listen to audio through the TV.
- <Receiver : Off> : You can listen to audio through the Home Theater.

If you select the THEATER

Select <THEATER to connector> and set the option of each items below.

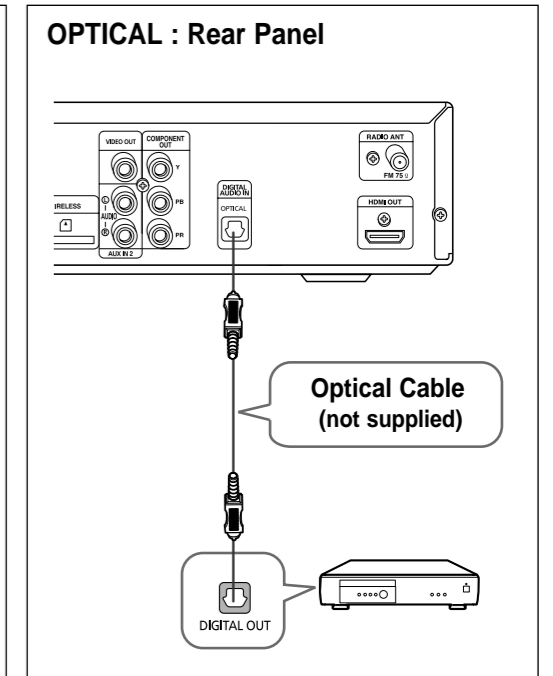
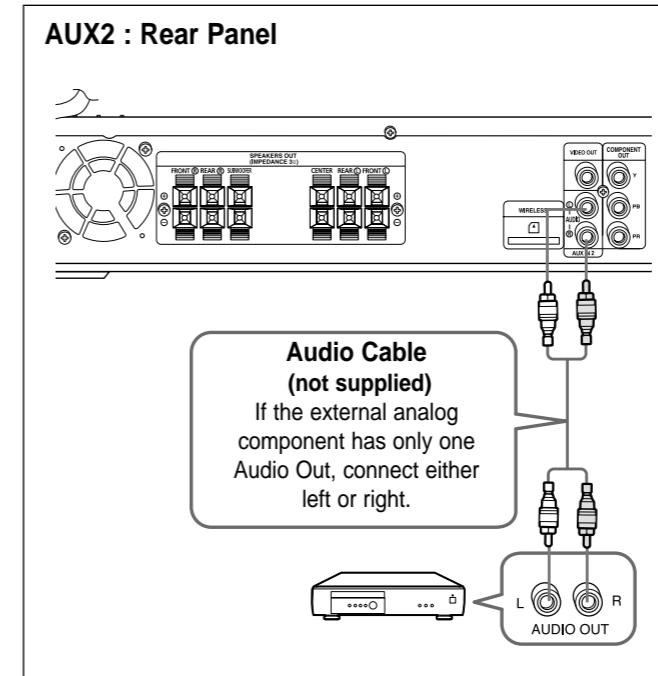
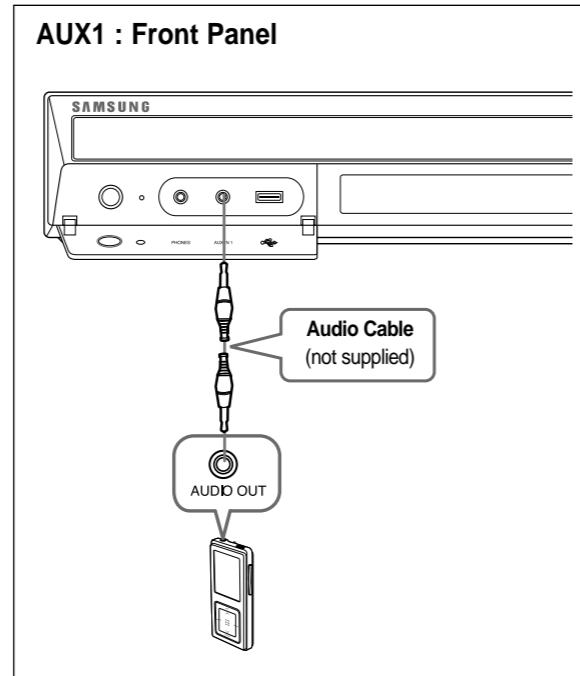
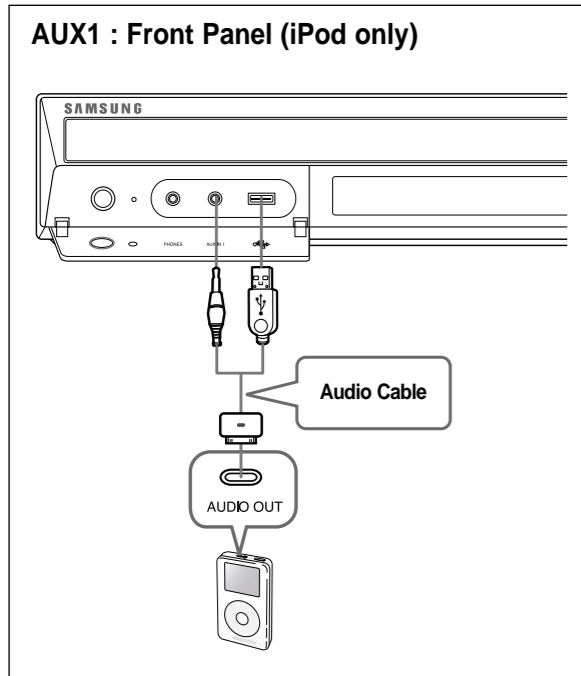
- <THEATER Menu> : You can access the Home Theater menu.
- <THEATER Operation> : The Home Theater disc playback information will be displayed.
- <Receiver : On> : You can listen to audio through the Home Theater.
- <Receiver : Off> : You can listen to audio through the TV.

With Anynet+

You can operate this unit, power on your TV, or watch a movie by pressing the Play button on your Samsung TV's remote control.

- The Theater function is available only when you listen to the audio through the Home Theater with the digital optical cable connected.

Connecting Audio from External Components



AUX1 : Connecting an External Analog Component/iPod MP3

You can listen to the audio from an External Analog Component/iPod MP3 player through the main unit.

- 1 Connect AUX IN 1 (Audio) on the Home Theater to the Audio Out of the external analog component/iPod MP3.
- 2 Press the **AUX** button on the remote control to select <AUX1> input.
 - You can also use the **FUNCTION** button on the main unit.
The mode switches as follows : DVD/CD → DIGITAL IN → AUX 1 → AUX 2 → USB → FM.

• When the unit is powered on and you connect an iPod MP3 player, the unit will charge your iPod's battery.

AUX2 : Connecting an External Analog Component

Analog signal components such as a VCR.

- 1 Connect AUX IN 2 (Audio) on the Home Theater to the Audio Out of the external analog component.
 - Be sure to match connector colors.
- 2 Press the **AUX** button on the remote control to select <AUX2> input.
 - You can also use the **FUNCTION** button on the main unit.
The mode switches as follows : DVD/CD → DIGITAL IN → AUX 1 → AUX 2 → USB → FM.

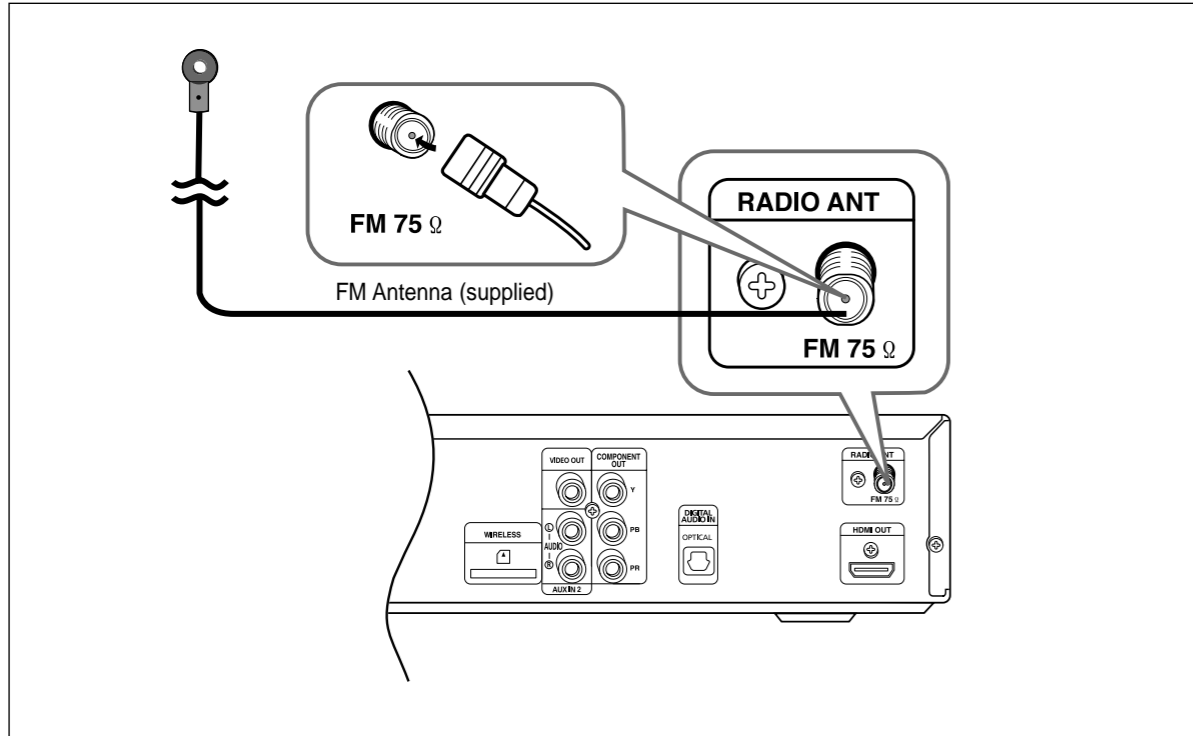
• You can connect the Video Output jack of your VCR to the TV, and connect the Audio Output jacks of the VCR to this product.

OPTICAL : Connecting an External Digital Component

Digital signal components such as a Set-Top Box.

- 1 Connect the Digital Input (OPTICAL) on the Home Theater to the Digital Output of the external digital component.
- 2 Press the **AUX** button on the remote control to select <DIGITAL IN>.
 - You can also use the **FUNCTION** button on the main unit.
The mode switches as follows : DVD/CD → DIGITAL IN → AUX 1 → AUX 2 → USB → FM.

Connecting the FM Antenna

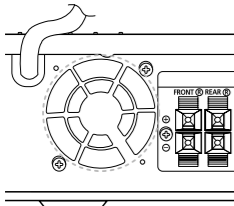


- 1 Connect the FM antenna supplied to the FM 75Ω COAXIAL Jack.
- 2 Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

• This unit does not receive AM broadcasts.

Cooling Fan

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



Please observe the following cautions for your safety.

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

Before Reading the User's Manual

Make sure to check the following terms before reading the user manual.

Icons that will be used in manual

| Icon | Term | Definition |
|------|---------|--|
| | DVD | This involves a function available with DVD or DVD-R/DVD-RW discs that have been recorded and finalized in Video Mode. |
| | CD | This involves a function available with a data CD (CD-R or CD-RW). |
| | MP3 | This involves a function available with CD-R/-RW discs. |
| | JPEG | This involves a function available with CD-R/-RW discs. |
| | DivX | This involves a function available with MPEG4 discs. (DVD±R/RW, CD-R or CD-RW) |
| | CAUTION | This involves a case where a function does not operate or settings may be cancelled. |
| | NOTE | This involves tips or instructions on the page that help each function operate. |

- In this manual, the instructions marked with "DVD ()" are applicable to DVD-VIDEO, DVD-AUDIO and DVD-R/-RW discs that have been recorded in Video Mode and then finalized. Where a particular DVD type is mentioned, it is indicated separately.
- If a DVD-R/-RW disc has not been recorded properly in DVD Video format, it will not be playable.

Before Using Your Home Theater

To Operate your Samsung TV and the Home Theater with the HT-X50's Remote Control

The DVD Home Theater's remote can be used to control Samsung TVs.



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



- 2 Press the **TV** button to set the remote to TV mode.
- 3 Press the **POWER** button to turn on your Samsung TV with this remote.
- 4 Press the **TV/VIDEO** button to select VIDEO mode on your TV.

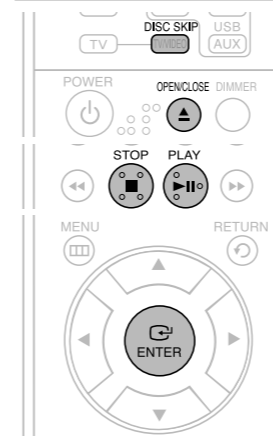


- 5 Press the **DVD RECEIVER** button to switch to DVD RECEIVER mode to operate the DVD Home Theater
- 6 Press the **FUNCTION** button on the main unit or **DVD** button on the remote to enable DVD/CD playback.

Disc Playback



ENG



- 1 Press the **OPEN/CLOSE** button to open the disc tray.
- 2 Load a disc.
 - Place a disc gently into the tray with the disc's label facing up.
- 3 Press the **DISC SKIP** button.
 - Rotate the carousel tray so you can load the third, fourth, and fifth discs.
- 4 Close the compartment by pressing the **OPEN/CLOSE** button again.
 - Playback starts automatically.

- To stop playback, press the **STOP** button during playback.
 - If pressed once, <PRESS PLAY> is displayed and the stop position will be stored in memory. If the **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 the **PLAY/PAUSE (▶||)** button is pressed, playback starts from the beginning.
- To temporarily pause playback, press the **PLAY/PAUSE (▶||)** button during playback.
 - To resume playback, press the **PLAY/PAUSE (▶||)** button again.

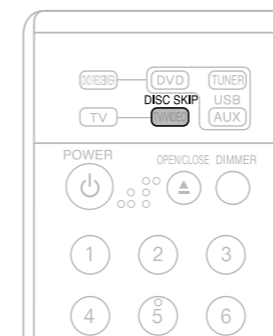


- Avoid getting fingerprints on the writing surface of a disc. It may cause the disc to not read properly.



- Depending on the content of the disc, the initial screen may appear different.
- Any piracy could not be runnable in the player. Otherwise, it violates the CSS (Content Scrambling System : a copy protection system) recommendations.

Selecting a Disc in the Disc changer



To select a specific disc, press the corresponding the **DIRECT PLAY (1, 2, 3, 4, 5)** buttons on the front panel or the **DISC SKIP** button on the remote control, until the required disc indicator flashes.

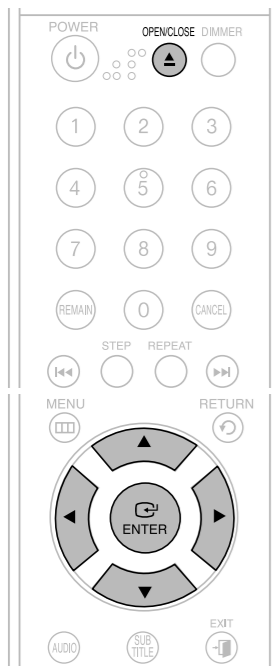
- If the disc selected is not loaded, the next disc is played automatically.



MP3/WMA-CD Playback



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

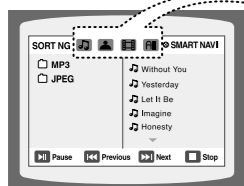


- Place the MP3/WMA disc on the disc tray.
 - The MP3/WMA menu screen will appear and playback will start.
 - The appearance of the menu depends on the MP3/WMA disc.
 - WMA-DRM files cannot be played.
- In Stop mode, use the Cursor **▲**, **▼**, **◀**, **▶** button to select the album, and then press the **ENTER** button.
 - Use the Cursor **▲**, **▼** button to select the track.
- To change the album, use the Cursor **▲**, **▼**, **◀**, **▶** button to select another album in Stop mode, and then press the **ENTER** button.
 - To select another album and track, repeat Steps 2 and 3 above.
- Press the **STOP** (**■**) button to stop playback.

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



- To play a file icon in the screen,
- Press the Cursor **▲**, **▼**, **◀**, **▶** button when it is in Stop mode and select a desired icon from the top part of the menu.



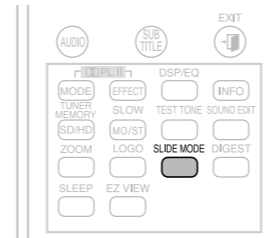
- Music File Icon** : To play music files only, select the icon.
- Image File Icon** : To view image files only, select the icon.
- Movie File Icon** : To view movie files only, select the icon.
- All File Icon** : To view movie files only, select the icon.

JPEG File 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 Home Theater.

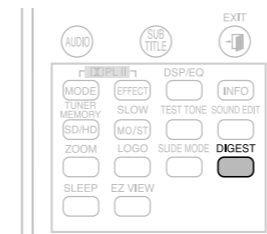
Slide Mode



- Place the JPEG disc on the disc tray.
 - Playback starts automatically. Each image is displayed for 5 seconds and then the next image is displayed.
 - Press the **SLIDE MODE** button.
 - Each time the button is pressed, the image makes the transition as follows :
 SLIDE SHOW MODE : 1~5 → SLIDE SHOW MODE : RANDOM →
 SLIDE SHOW MODE : NONE
- Press the **◀◀▶▶** button to skip to the next slide.
- Each time the button is pressed, the slide moves backward or forward.

Digest Function

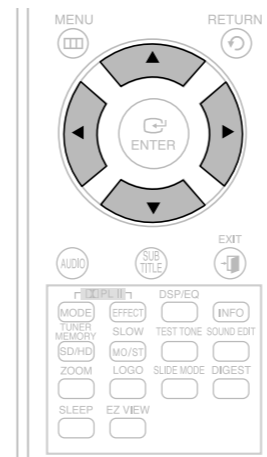
You can view 9 JPEG images on the TV screen at once.



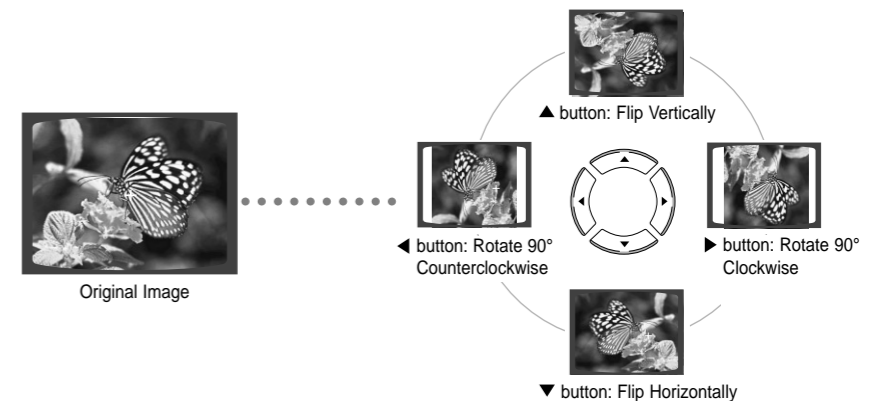
- Press the **DIGEST** button during playback.
 - JPEG files will be shown in 9 windows.
 - Press the Cursor **▲**, **▼**, **◀**, **▶** button to select the desired image and then press the **ENTER** button.
 - The selected image is played for 5 seconds before moving to the next image.
- To view the previous or next 9 images, press the **◀◀▶▶** button.



Rotate/Flip Function



Press the Cursor **▲**, **▼**, **◀**, **▶** button during playback.



- The maximum resolutions supported by this product are 5120 x 3480 (or 19.0 MPixel) for standard JPEG files and 2048 x 1536 (or 3.0 MPixel) for progressive image files.
- If a JPEG file is played when the HDMI output resolution is 720p/1080i, the mode is automatically converted to 480p mode.



The functions on this page apply to DivX disc playback.



Skip Forward/Back

During playback, press the **◀◀**, **▶▶** button.

- Goes to the next file whenever you press the **▶▶** button, if there are over 2 files in the disc.
- Goes to the previous file whenever you press the **◀◀** button, if there are over 2 files in the disc.

Fast Playback

To play back the disc at a faster speed, press the **◀◀** or **▶▶** button during playback.

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

5 Minute Skip function

During playback, press the Cursor **◀**, **▶** button.

- Playback skips 5 minutes forward whenever you press the Cursor **▶** button.
- Playback skips 5 minutes back whenever you press the Cursor **◀** button.



Zoom Function

1 Press the **ZOOM** button.

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

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

- A 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.

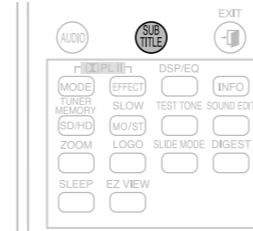


Audio Display

Press the **AUDIO** button.

- If there are multiple audio tracks on a disc, you can toggle between them.
- Each time you press the button, your selection will toggle between **<AUDIO (1/N, 2/N ...)>** and **☞**.

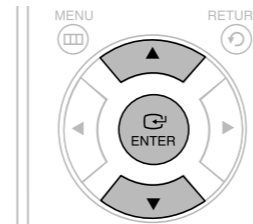
- ☞ is displayed when there is one supported language in the disc.



Subtitle Display

Press the **SUBTITLE** button.

- Each time you press the button, your selection will toggle between **<SUBTITLE (1/N, 2/N ...)>** and **<SUBTITLE OFF>**.
- If the disc has only one subtitle file, it will be played automatically.
- See number 2 (Caption Function) below for more details concerning Subtitle usage with DivX discs.



If the disc has more than one subtitle file

If the disc has more than one subtitle file, the default subtitle may not match the movie and you will have to select your subtitle language as follows:

- 1 In Stop mode, press the Cursor **▲**, **▼** button, select the desired subtitle (☞) from the TV screen, and then press the **ENTER** button.
- 2 When you select the desired DivX file from the TV screen, the movie will be played normally.

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 supports 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~DivX5.1, XviD | 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 640x480 pixels (4:3), this product supports up to 800x600 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

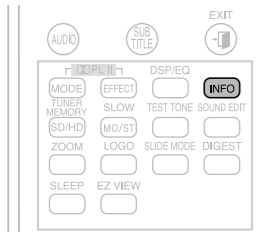
- You must have some experience with video extraction and editing in order to use this feature properly.
- To use the caption function, save the caption file (*.smi) in the same file name as that of the DivX media file (*.avi) within the same folder.
Example. Root Samsung_007CD1.avi
Samsung_007CD1.smi
- Up to 60 alphanumeric characters or 30 East Asian characters (2 byte characters such as Korean and Chinese) for the file name.

Using the Playback Function

Displaying Disc Information

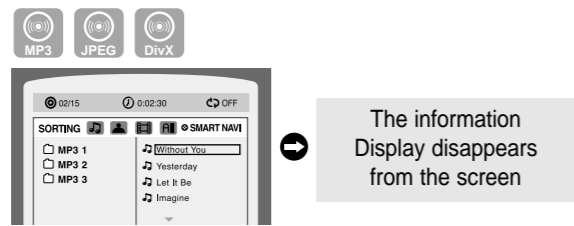


You can view disc playback information on the TV screen.



Press the **INFO** button.

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



- 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.

appears on the TV screen!

If this symbol appears on the TV screen when pressing a button, that operation is not possible with the disc currently being played.

Screen Display

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

Checking the Remaining Time



Press the **REMAIN** button.

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

Each time the Remain button is pressed



Fast Playback



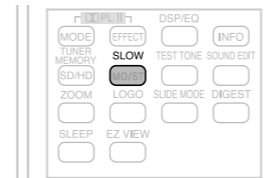
Press the **◀◀, ▶▶** button.

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



- During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.

Slow Playback



Press the **SLOW** button.

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



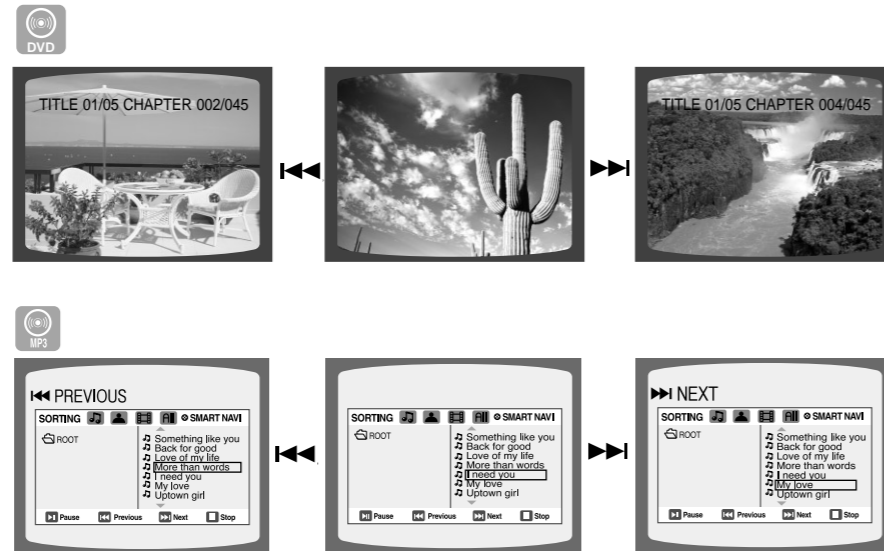
- No sound is heard during slow playback.
- Reverse slow playback does not work with DivX.

Skipping Scenes/Songs



Press the **◀◀, ▶▶** button.

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



Repeat Playback



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



Press the **REPEAT** button.

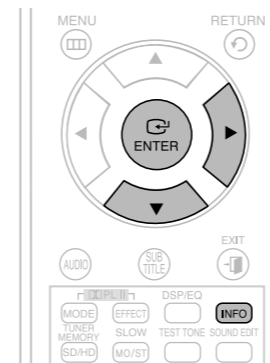
- Each time the button is pressed during playback, the repeat playback mode changes as follows:

- DVD-VIDEO**: REPEAT : CHAPTER → REPEAT : TITLE → REPEAT : OFF
- DVD-AUDIO**: REPEAT : TRACK → REPEAT : GROUP → REPEAT : OFF
- CD**: REPEAT : TRACK → REPEAT : DISC → REPEAT : OFF
- MP3**: REPEAT : RANDOM → REPEAT : TRACK → REPEAT : DIR → REPEAT : DISC → REPEAT : OFF
- JPEG**: REPEAT : DISC → REPEAT : OFF
- DivX**: REPEAT : DISC → REPEAT : OFF

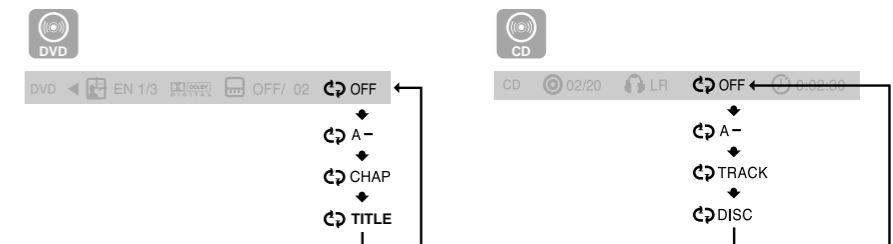
Repeat Playback Options

- 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 the **INFO** button twice.
- Press the Cursor **▶** button to move to REPEAT PLAYBACK (↻) display.
- Press the Cursor **▼** button to select the desired Repeat Playback mode.
 - To select another album and track, repeat Steps 2 and 3 above.
- Press the **ENTER** button.

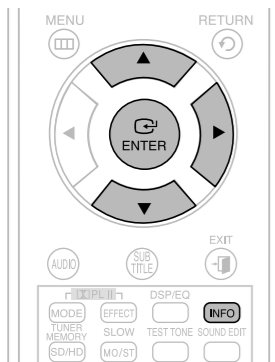


! For DivX, MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.

A-B Repeat Playback



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



- 1 Press the **INFO** button twice.
- 2 Press the Cursor **▶** button to move to the REPEAT PLAYBACK (↻) display.
- 3 Press the Cursor **▲, ▼** button to select <A-> and then press the **ENTER** button at the beginning of the desired segment.
 - When the **ENTER** button is pressed, the selected position will be stored in memory.
- 4 Press the **ENTER** button at the end of the desired segment.
 - The specified segment will be played repeatedly.



A TO B REPEAT ON

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

• The A-B Repeat function does not operate with DivX, MP3 or JPEG discs.

Step Function



- Press the **STEP** button.
- The picture moves forward one frame each time the button is pressed during playback.

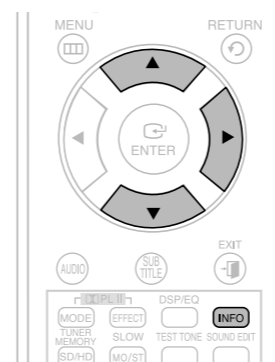
• No sound is heard during step motion playback.



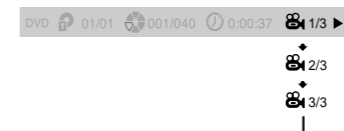
Angle Function



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



- 1 Press the **INFO** button.
- 2 Press the Cursor **▶** button to move to ANGLE (📷) display.
- 3 Press the Cursor **▲, ▼** button or numeric buttons to select the desired angle.
 - Each time the button is pressed, the angle changes as follows:

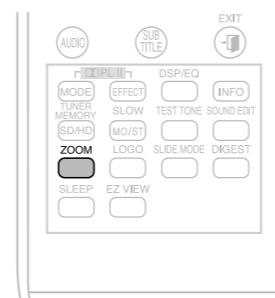


• The Angle function works only with discs on which multiple angles have been recorded.

Zoom (Screen Enlarge) Function



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



- 1 Press the **ZOOM** button.
- 2 Press the Cursor **▲, ▼, ◀, ▶** button to move to the area you want to enlarge.
- 3 Press the **ENTER** button.
 - Each time the button is pressed, the zoom level changes as follows:

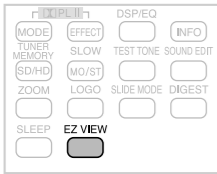
ZOOM X 1.5 → ZOOM X 2 → ZOOM X 3 → ZOOM OFF

• When a DivX disc is being played, the screen is enlarged up to twice the normal size.



Using the Playback Function (Con't)

EZ VIEW Function



Press the **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.

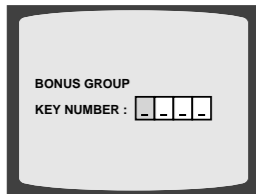


- This function will not work if the DVD is recorded with multi-camera angle format.
- Black bars may not disappear because some DVD discs have a built-in horizontal to vertical ratio.
- This feature is not supported for DivX discs.
- During the EZ View operation, the scenes on the screen are not full to the brim of the TV screen, but some of their left and right sides may be cut slightly.

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.

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

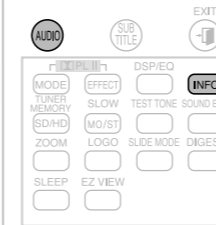
Navigating Pages



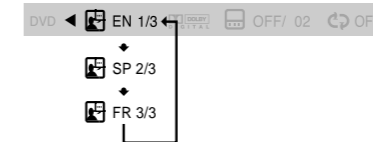
During playback, press the **↕, ↗** button on the remote control.

- 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.

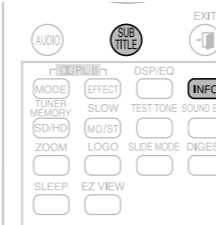
Audio Language Selection Function



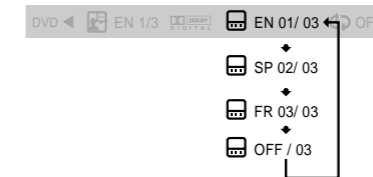
- Press the **INFO** button twice.
- Press the Cursor **▲, ▼** button or numeric buttons to select the desired audio language.
 - Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPANISH, FRENCH, etc.) is selected each time the button is pressed.



Subtitle Language Selection Function



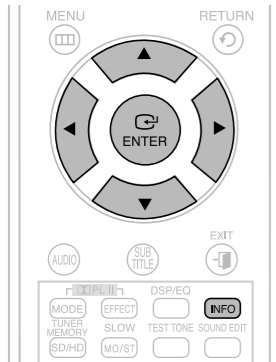
- Press the **INFO** button twice.
- Press the Cursor **▶** button to move to SUBTITLE (📄) display.
- Press the Cursor **▼** button or numeric buttons to select the desired subtitle.



- To operate this function, you can also press the AUDIO or SUBTITLE buttons on the remote control.
- Depending on the disc, the Subtitle and Audio Language functions may not be available.

Using the Playback Function (Con't)

Moving Directly to a Scene/Song

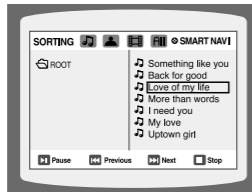


- 1 Press the **INFO** button.
- 2 Press the Cursor **▲**, **▼** button or numeric buttons to select the desired title/track (**📄**) and then press the **ENTER** button.
- 3 Press the Cursor **◀**, **▶** button to move to the Chapter (**📄**) display.
- 4 Press the Cursor **▲**, **▼** button or numeric buttons to select the desired chapter and then press the **ENTER** button.
- 5 Press the Cursor **◀**, **▶** button to move to time (**🕒**) display.
- 6 Press the numeric buttons to select the desired time and then press the **ENTER** button.



Press the **numeric** buttons.

- The selected file will be played.
- When playing an MP3 or JPEG disc, you cannot use the Cursor **▲**, **▼** button to move to a folder. To move a folder, press the **STOP** (**■**) and then press the Cursor **▲**, **▼** button.

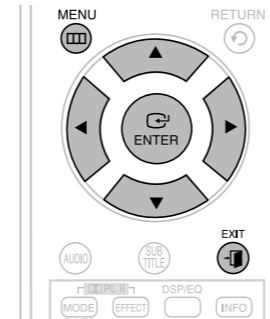


- You can press the **⏮** **⏭** **⏩** **⏪** button on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.

Using the Disc Menu



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



- 1 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▲**, **▼** button to move to the **<DISC MENU>** and then press the **ENTER** button.
 - When you select Disc Menu and it is not supported by the disc, the "This menu is not supported" message appears on the screen.
- 3 Press the Cursor **▲**, **▼**, **◀**, **▶** button to select the desired item.
- 4 Press the **ENTER** button.

➤ Press the **EXIT** button to exit the setup screen.

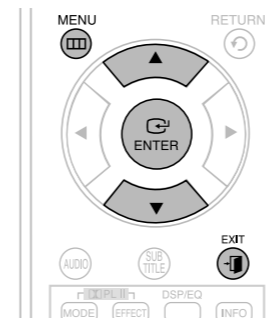


- The disc menu display may be different depending on the disc.

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.



- 1 In Stop mode, press the **MENU** button.
 - 2 Press the Cursor **▲**, **▼** button to move to the **<Title Menu>**.
 - 3 Press the **ENTER** button.
 - The title menu appears.
- Press the **EXIT** button to exit the setup screen.



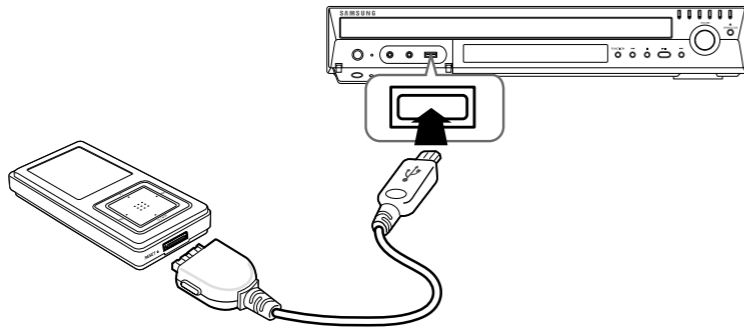
- The Title menu display may be different depending on the disc.

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 front of the unit.



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

- <USB> appears on the display screen and then disappears.
- The USB MENU screen appears on the TV screen and the saved file is played.

3 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) Remove the USB cable.

Skip Forward/Back



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

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

Fast Playback



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

- Each time you press 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 disc in Windows (2000 or later) without additional driver installation.)
2. MP3 Player: HDD and flash type MP3 players.
3. Digital camera: Cameras that support USB Mass Storage v1.0.
 - Cameras that operate as a removable disc in Windows (2000 or later) without additional driver installation.
4. 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.
5. 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.
6. 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 | – | – | 640x480 | – |
| Music | MP3 | .MP3 | 80~384kbps | – | – | 44.1kHz |
| | WMA | .WMA | 56~128kbps | V8 | – | 44.1kHz |
| Movie | WMV | .WMV | 4Mbps | V1,V2,V3,V7 | 720x480 | 44.1KHz~48KHz |
| | DivX | .AVI,.ASF | 4Mbps | DivX3.11~DivX5.1,XviD | 800x600 | 44.1KHz~48KHz |

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- A device using NTFS file system is not supported. (Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- Some MP3 players, when connected to this product, may not operate depending on the sector size of their file system.
- The USB HOST function is not supported if a product that transfers media files by its manufacturer-specific program is connected.
- Does not operate with Janus enabled MTP(Media Transfer Protocol) devices.
- **The USB host function of this product does not support all USB devices. For information on the supported devices, see page 62.**

Setting the Language

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



- 1 In Stop mode, press the **MENU** button.
 - 2 Press the Cursor **▼** button to move to **<Setup>** and then press the **ENTER** button.
 - 3 Select **<LANGUAGE>** and then press the **ENTER** button.
 - 4 Press the Cursor **▲, ▼** button to select **<OSD LANGUAGE>** and then press the **ENTER** button.
 - 5 Press the Cursor **▲, ▼** button to select the desired language and then press the **ENTER** button.
 - Once the setup is complete, the OSD will be English if English has been selected as language.
- Press the **RETURN** button to return to the previous level.
➤ Press the **EXIT** button to exit the setup screen.



- **OSD LANGUAGE** : Selecting the OSD Language
- **AUDIO** : Selecting the Audio Language (recorded on the disc)
- **SUBTITLE** : Selecting the Subtitle Language (recorded on the disc)
- **DISC MENU** : Selecting the Disc Menu Language (recorded on the disc)
 - ※ If the language you selected is not recorded on the disc, the menu language will not change even if you set it to your desired language.



- **OTHER** : To select another language, select **<OTHER>** and enter the language code of your country. (See page 61 for language codes) **AUDIO, SUBTITLE** and **DISC MENU** language can be selected.

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 the **MENU** button.
 - 2 Press the Cursor **▼** button to move to **<Setup>** and then press the **ENTER** button.
 - 3 Press the Cursor **▼** button to move to **<TV DISPLAY>** and then press the **ENTER** button.
 - 4 Press the Cursor **▲, ▼** button to select the desired item and then press the **ENTER** button.
 - Once the setup is complete, you will be taken to the previous screen.
- Press the **RETURN** button to return to the previous level.
➤ Press the **EXIT** 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 **<WIDE/HDTV>** if you have a widescreen TV.



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).



WIDE/HDTV

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



- 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.
- In HDMI operation, the screen is automatically converted to Wide mode.

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 the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Setup>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<PARENTAL>** and then press the **ENTER** button.
- 4 Press the Cursor **▲, ▼** button to select the desired rating level and then press the **ENTER** button.
 - If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
 - The higher the level, the closer the content is to violent or adult material.
- 5 Enter the password and then press the **ENTER** button.
 - The password is set to "7890" by default.
 - Once the setup is complete, you will be taken to the previous screen.



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

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

Setting the Password

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



- 1 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Setup>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<PASSWORD>** and then press the **ENTER** button.
- 4 Press the **ENTER** button.
- 5 Enter the password and then press the **ENTER** button.
 - Enter the old password, a new password, and confirm new password.
 - The setting is complete.



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

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

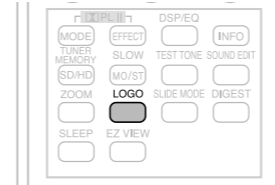
- While the player is in No Disc mode, hold the main unit's **STOP** (■) button for longer than 5 seconds. **<INITIAL>** appears on the display and all settings will return to the default values.
- Press the **POWER** button.

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

Setting the Wallpaper



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



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

• This function will not work when the HDMI output is 720p or 1080i.

To Select One of the 3 Wallpaper Settings you've made



- 1 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Setup>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<LOGO>** and then press the **ENTER** button.
- 4 Press the Cursor **▲, ▼** button to select the desired **<USER>**, and then press the **ENTER** button.
 - This selects one of the 3 wallpaper screens
- 5 Press the **EXIT** button to exit the setup screen.

- **ORIGINAL** : Select this to set the Samsung Logo image as your wallpaper.
- **USER** : Select this to set the desired image as your wallpaper.

- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** 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 the Cursor **▼** button to move to **<Setup>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<DVD TYPE>** and then press the **ENTER** button.
- 4 Press the Cursor **▲, ▼** button to move to **<DVD VIDEO>** and then press the **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.

- 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

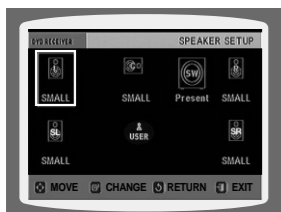
Please use the Registration code to register this player with the DivX (R) video on demand format.
To learn more, go to www.divx.com/vod.

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 the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Audio>** and then press the **ENTER** button.
- 3 In the **<SPEAKER SETUP>**, press the **ENTER** button again.
- 4 Press the Cursor **▲, ▼, ◀, ▶** button to move to the desired speaker and then press the **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.

- Depending on PRO LOGIC and STEREO settings, the speaker mode may vary (see page 51).

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

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.



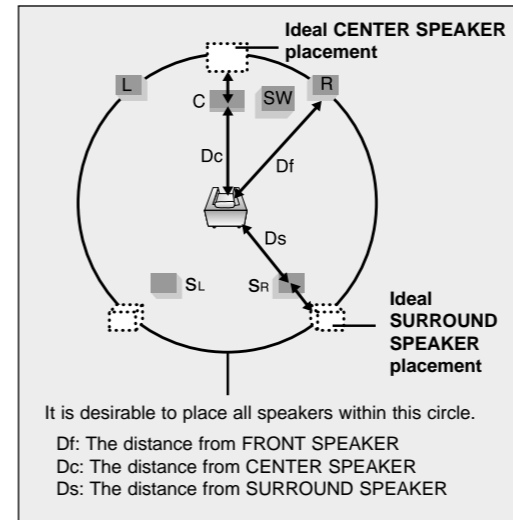
- 1 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Audio>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<DELAY TIME>** and then press the **ENTER** button.
- 4 Press the Cursor **▲, ▼, ◀, ▶** button to move to the desired speaker and then press the **ENTER** button.
- 5 Press the Cursor **◀, ▶** button 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.



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

Setting up the Speaker Delay Time

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



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 | 0 inch | 13.6 inches | 27.2 inches | 40.8 inches | 4.5 feet | 5.6 feet |
|----------------------------|--------|-------------|-------------|-------------|----------|----------|
| Delay Time | 0 ms | 1 ms | 2 ms | 3 ms | 4 ms | 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 Dc | 0 inch | 40.8 inches | 6.7 feet | 10.0 feet | 13.4 feet | 16.7 feet |
|----------------------------|--------|-------------|----------|-----------|-----------|-----------|
| Delay Time | 0 ms | 3 ms | 6 ms | 9 ms | 12 ms | 15 ms |

- With DOLBY II (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.

Setting the Test Tone

Use the Test Tone feature to check the speaker connections.

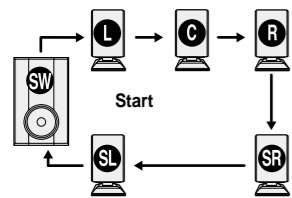


- 1 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Audio>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<TEST TONE>** and then press the **ENTER** button.
 - The test tone will be sent to L → C → R → SR → SL → SW in order.
 - If the ENTER button is pressed again at this time, the test tone will stop.

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

Alternative method: press the TEST TONE button on the remote.

Multi-Channel Pro Logic Mode



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

- Press the **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.
 - When HDMI AUDIO is set to <ON> (audio is produced through TV speakers), the TEST TONE function is not available.
- To end the test tone, press the **TEST TONE** button again.

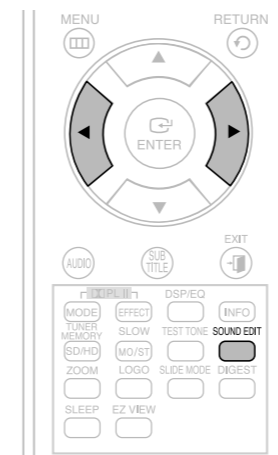
Setting the Audio

You can adjust the balance and level for each speaker.



- 1 In Stop mode, press the **MENU** button.
 - 2 Press the Cursor **▼** button to move to **<Audio>** and then press the **ENTER** button.
 - 3 Press the Cursor **▼** button to move to **<SOUND EDIT>** and then press the **ENTER** button.
 - 4 Press the Cursor **▲, ▼** button to select and adjust the desired item.
Press the Cursor **◀, ▶** button to adjust the settings.
- Press the **RETURN** button to return to the previous level.
 - Press the **EXIT** button to exit the setup screen.

Manually Adjusting the Speaker Volume and Balance with the SOUND EDIT Button.



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



Adjusting Front/Rear Speaker Balance

- You can select between 00, -6, 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)

This feature balances the range between the loudest and quietest sounds. You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.



- 1 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Audio>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<DRC>** and then press the **ENTER** button.
- 4 Press the Cursor **▲, ▼** button 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 the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.

Setting the AV SYNC

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 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Audio>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<AV-SYNC>** and then press the **ENTER** button.
- 4 Press the Cursor **▲, ▼** button to select the AV-SYNC Delay Time and then press the **ENTER** button.
 - You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.



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

Setting the HDMI Audio

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



- 1 In Stop mode, press the **MENU** button.
- 2 Press the Cursor **▼** button to move to **<Audio>** and then press the **ENTER** button.
- 3 Press the Cursor **▼** button to move to **<HDMI AUDIO>** and then press the **ENTER** button.
- 4 Press the Cursor **▲, ▼** button to select **<ON>** or **<OFF>** and then press the **ENTER** button.



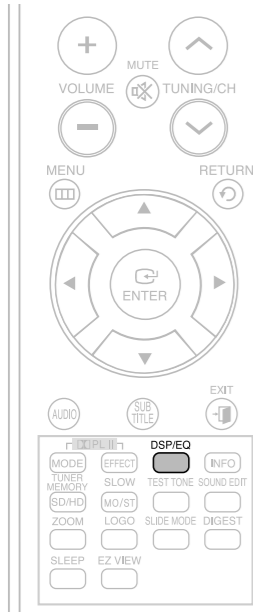
- **ON** : Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.
- **OFF** : Video is transmitted over the HDMI connection cable only, and audio is output through the home theater speakers only.

- The default setting of this function 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 set to ON, the HDMI AUDIO will revert to the OFF default setting.

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

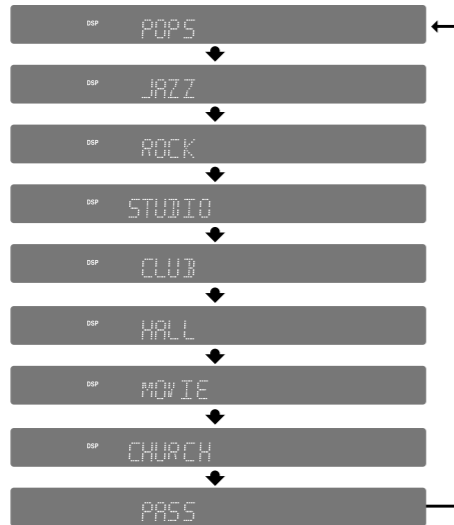
Sound Field (DSP)/EQ Function

DSP(Digital Signal Processor) : DSP modes have been designed to simulate different acoustic environments.
EQ : You can select ROCK, POP, or CLASSIC to optimize the sound for the genre of music you are playing



Press the **DSP/EQ** button.

- <DSP> appears on the display panel.
- Each time the button is pressed, the selection changes as follows:



- POP, JAZZ, ROCK : Depending on the genre of music, you can select POP, JAZZ, and ROCK.
- STUDIO : Provides a sense of presence as if in a studio.
- CLUB : Simulates the sound of a dance club with a throbbing bass beat.
- HALL : Provides a clear vocal as if listening in a concert hall.
- MOVIE : Provides the feeling of a movie theater.
- CHURCH : Gives the feel of being in a grand church.
- PASS : Select this for normal listening.

- The DSP/EQ function is only available in STEREO mode. Press the **PL II** mode button to show STEREO on the display.
- This feature works with CDs, MP3-CDs, 2 channel DVD-Audio, DivX and Dolby Digital discs.
- When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and DSP/EQ function does not work.

Dolby Pro Logic II Mode

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



Press the **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 5.1 channel surround sound.
- STEREO : Select this to listen to sound from the front left and right speakers and the subwoofer only.

- 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 the **PL II MODE** button to select <MUSIC> mode.



- 2 Press the **PL II EFFECT** button to select <PANORAMA>, then press the Cursor **◀, ▶** button 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 the **PL II EFFECT** button to select <C-WIDTH>, then press the Cursor **◀, ▶** button 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 the **PL II EFFECT** button to select <DIMENS>, then press the Cursor **◀, ▶** button to select the desired setting

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



- 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.



Remote Control

- 1 Press the **TUNER** button to select the FM band.
- 2 Tune in to the desired station.
 - Automatic Tuning 1 : When the **◀▶▶▶** button is pressed, a preset broadcast station is selected.
 - Automatic Tuning 2 : Press and hold the **▼, ▲** button to automatically search for active broadcasting stations.
 - Manual Tuning : Briefly press the **▼, ▲** button to increase or decrease the frequency incrementally.

Main Unit

- 1 Press the **FUNCTION** button to select the FM band.
 - 2 Select a broadcast station.
 - Automatic Tuning 1 : Press the **STOP** (■) button to select <PRESET> and then press the **◀▶▶▶** button to select the preset station.
 - Automatic Tuning 2 : Press the **STOP** (■) button to select <MANUAL> and then press and hold the **◀▶▶▶** button to automatically search the band.
 - Manual Tuning : Press the **STOP** (■) button to select <MANUAL> and then briefly press the **◀▶▶▶** button to tune in to a lower or higher frequency.
- Press the **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



Example : Presetting FM 89.10 in the memory

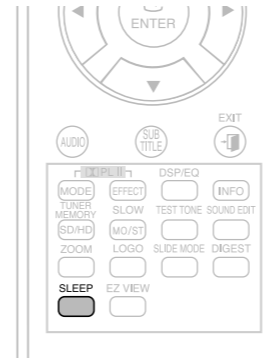
- 1 Press the **TUNER** button to select the FM band.
- 2 Press the **↓,↑** button to select <89.10>.
 - ▶
- 3 Press the **TUNER MEMORY** button.
 - <PRGM> flashes in the display.
 - ▶
- 4 Press the **◀▶▶▶** button to select preset number.
 - You can select between 1 and 15 presets.
 - ▶
- 5 Press the **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 the **◀▶▶▶** button on the remote control to select a channel.

• This unit does not receive AM broadcasts.

Convenient Functions

Sleep Timer Function

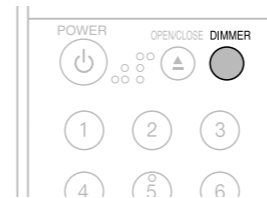
You can set the time that the Home Theater will shut itself off.



- Press the **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 the **SLEEP** button.
 - The remaining time before the Home Theater 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 the **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 the **DIMMER** button.
- Each time the button is pressed, the brightness of front display will be adjusted.

Mute Function

This is useful when answering a doorbell or telephone call.



- Press the **MUTE** button.
- <MUTE ON> appears in the display.
 - To restore the sound, press the button again to select <MUTE OFF>.



Using Headphones

Use headphones (not supplied) for private listening pleasure.

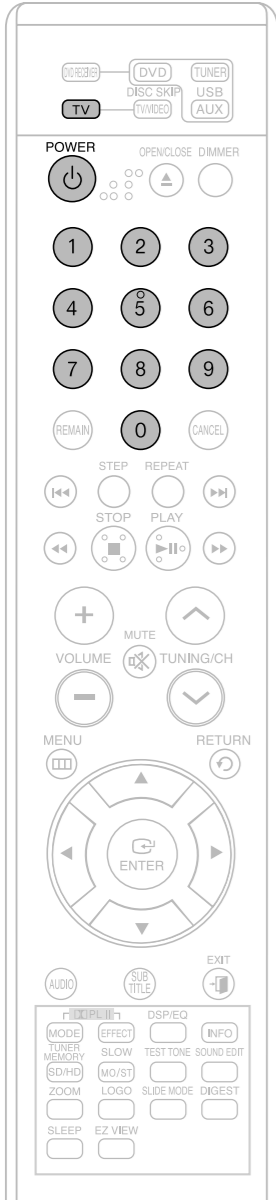


Connect the headphones to the Headphone jack for private listening.

• To prevent hearing damage, do not increase the volume excessively when using headphones.

Operating a TV with the Remote Control

When operating a TV with the remote control



- 1 Press the **TV** button to set the remote to TV mode.
 - 2 Press the **POWER** button to turn on the TV.
 - 3 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, 15, 16, 17 and 40.
- 4 Point the remote control toward the TV and press the **POWER** button. If the TV turns off, the setting is complete.
 - You can use the TV **POWER**, **VOLUME**, **CHANNEL**, and **Numeric** buttons (0-9).

- 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 | Admiral (M.Wards) | 56, 57, 58 | 44 | MTC | 18 |
| 2 | A Mark | 01, 15 | 45 | NEC | 18, 19, 20, 40, 59, 60 |
| 3 | Anam | 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14 | 46 | Nikei | 03 |
| 4 | AOC | 01, 18, 40, 48 | 47 | Onking | 03 |
| 5 | Bell & Howell (M.Wards) | 57, 58, 81 | 48 | Onwa | 03 |
| 6 | Brocsonic | 59, 60 | 49 | Panasonic | 06, 07, 08, 09, 54, 66, 67, 73, 74 |
| 7 | Candle | 18 | 50 | Penney | 18 |
| 8 | Cetronic | 03 | 51 | Philco | 03, 15, 17, 18, 48, 54, 59, 62, 69, 90 |
| 9 | Citizen | 03, 18, 25 | 52 | Philips | 15, 17, 18, 40, 48, 54, 62, 72 |
| 10 | Cinema | 97 | 53 | Pioneer | 63, 66, 80, 91 |
| 11 | Classic | 03 | 54 | Portland | 15, 18, 59 |
| 12 | Concerto | 18 | 55 | Proton | 40 |
| 13 | Contec | 46 | 56 | Quasar | 06, 66, 67 |
| 14 | Coronado | 15 | 57 | Radio Shack | 17, 48, 56, 60, 61, 75 |
| 15 | Craig | 03, 05, 61, 82, 83, 84 | 58 | RCA/Proscan | 18, 59, 67, 76, 77, 78, 92, 93, 94 |
| 16 | Croslex | 62 | 59 | Realistic | 03, 19 |
| 17 | Crown | 03 | 60 | Sampo | 40 |
| 18 | Curtis Mates | 59, 61, 63 | 61 | Samsung | 00, 15, 16, 17, 40, 43, 46, 47, 48, 49, 59, 60, 98 |
| 19 | CXC | 03 | 62 | Sanyo | 19, 61, 65 |
| 20 | Daewoo | 02, 03, 04, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36, 48, 59, 90 | 63 | Scott | 03, 40, 60, 61 |
| 21 | Daytron | 40 | 64 | Sears | 15, 18, 19 |
| 22 | Dynasty | 03 | 65 | Sharp | 15, 57, 64 |
| 23 | Emerson | 03, 15, 40, 46, 59, 61, 64, 82, 83, 84, 85 | 66 | Signature 2000 (M.Wards) | 57, 58 |
| 24 | Fisher | 19, 65 | 67 | Sony | 50, 51, 52, 53, 55 |
| 25 | Funai | 03 | 68 | Soundesign | 03, 40 |
| 26 | Futuretech | 03 | 69 | Spectricon | 01 |
| 27 | General Electric (GE) | 06, 40, 56, 59, 66, 67, 68 | 70 | SSS | 18 |
| 28 | Hall Mark | 40 | 71 | Sylvania | 18, 40, 48, 54, 59, 60, 62 |
| 29 | Hitachi | 15, 18, 50, 59, 69 | 72 | Symphonic | 61, 95, 96 |
| 30 | Inkel | 45 | 73 | Tatung | 06 |
| 31 | JC Penny | 56, 59, 67, 86 | 74 | Techwood | 18 |
| 32 | JVC | 70 | 75 | Teknika | 03, 15, 18, 25 |
| 33 | KTV | 59, 61, 87, 88 | 76 | TMK | 18, 40 |
| 34 | KEC | 03, 15, 40 | 77 | Toshiba | 19, 57, 63, 71 |
| 35 | KMC | 15 | 78 | Vidtech | 18 |
| 36 | LG (Goldstar) | 01, 15, 16, 17, 37, 38, 39, 40, 41, 42, 43, 44 | 79 | Videch | 59, 60, 69 |
| 37 | Luxman | 18 | 80 | Wards | 15, 17, 18, 40, 48, 54, 60, 64 |
| 38 | LXI (Sears) | 19, 54, 56, 59, 60, 62, 63, 65, 71 | 81 | Yamaha | 18 |
| 39 | Magnavox | 15, 17, 18, 48, 54, 59, 60, 62, 72, 89 | 82 | York | 40 |
| 40 | Marantz | 40, 54 | 83 | Yupiteru | 03 |
| 41 | Matsui | 54 | 84 | Zenith | 58, 79 |
| 42 | MGA | 18, 40 | 85 | Zonda | 01 |
| 43 | Mitsubishi/MGA | 18, 40, 59, 60, 75 | 86 | Dongyang | 03, 54 |

Troubleshooting

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

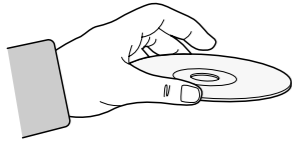
| Symptom | Check/Remedy |
|--|--|
| Disc tray does not open. | <ul style="list-style-type: none"> Is the power cord plugged securely into the outlet? Turn off the power and then turn it back on. |
| Playback does not start. | <ul style="list-style-type: none"> Check the region number of the DVD. DVD discs purchased from abroad may not be playable. CD-ROMs and DVD-ROMs cannot be played on this DVD player. Make sure that the rating level is correct. |
| Playback does not start immediately when the Play/Pause button is pressed. | <ul style="list-style-type: none"> Are you using a deformed disc or a disc with scratches on the surface? Wipe the disc clean. |
| Sound is not produced. | <ul style="list-style-type: none"> No sound is heard during fast playback, slow playback, and step motion playback. Are the speakers connected properly? Is the speaker setup correctly customized? Is the disc severely damaged? |
| Sound can be heard only from a few speakers and not all six. | <ul style="list-style-type: none"> When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select "PRO LOGIC II" by pressing (Dolby Pro Logic II) on the remote control to use all six speakers. Make sure that the DVD disc is 5.1-CH compatible. If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL. |
| Dolby Digital 5.1 CH Surround Sound is not produced. | <ul style="list-style-type: none"> Is there "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display? |
| The remote control does not work. | <ul style="list-style-type: none"> Is the remote control being operated within its operation range of angle and distance? Are the batteries exhausted? Have you selected the mode(TV/DVD) functions of the remote control (TV or DVD) correctly? |

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

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.

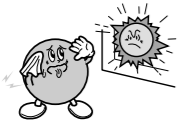
Handling discs



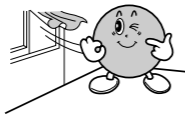
Do not touch the playback side of the disc.
Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Disc Storage

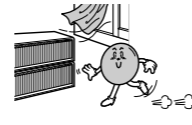
Do not keep in direct sunlight



Keep in a cool ventilated area



Keep in a clean Protection jacket. Store vertically.



- 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.



- 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 40).

| Code | Language | Code | Language | Code | Language | Code | Language |
|------|-----------------|------|--------------|------|------------------|------|------------|
| 1027 | Afar | 1181 | Frisian | 1334 | Latvian, Lettish | 1506 | Slovenian |
| 1028 | Abkhazian | 1183 | Irish | 1345 | Malagasy | 1507 | Samoa |
| 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 |
|--------------------|-----------|----------------|
| 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 |
| 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 MX | Pentax | Digital Camera |
| Digimax-420 | Samsung | Digital Camera |
| Digimax-400 | Samsung | 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 |
| Dimage Xt | Minolta | Digital Camera |
| AZ-1 | Olympus | Digital Camera |

USB Flash Disc

| Product | Company | Type |
|------------------|----------|------------------------------|
| Cruzer Micro | Sandisk | USB 2.0 USB Flash Drive 128M |
| Cruzer Mini | Sandisk | USB 2.0 128M |
| Cruzer Mini | Sandisk | USB 2.0 256M |
| SONY Micro Vault | Sony | USB 2.0 64MB |
| FLEX DRIVE | Serotech | USB 2.0 32MB |
| AnyDrive | A.L.tech | USB 2.0 128MB |
| XTICK | LG | USB 2.0 128M |
| Micro Mini | lomega | USB 2.0 128M |
| iFlash | Imation | USB 2.0 64M |
| LG | XTICK(M) | USB 2.0 64M |
| RiDATA | EZDrive | USB 2.0 64M |

MP3 Player

| Product | Company | Type |
|----------------------|----------|--------------------|
| Creative MuVo NX128M | Creative | 128 MB MP3 Player |
| Iriver H320 | Iriver | 20G HDD MP3 Player |
| YH-920 | Samsung | 20G HDD MP3 Player |
| YP-T7 | Samsung | MP3 Player |
| YP-MT6 | Samsung | MP3 Player |
| YP-T6 | Samsung | MP3 Player |
| YP-53 | Samsung | MP3 Player |
| YP-ST5 | Samsung | MP3 Player |
| YP-T5 | Samsung | MP3 Player |
| YP-60 | Samsung | MP3 Player |
| YP-780 | Samsung | MP3 Player |
| YP-35 | Samsung | MP3 Player |
| YP-55 | Samsung | MP3 Player |
| iAUDIO U2 | Cowon | MP3 Player |
| iAUDIO G3 | Cowon | MP3 Player |
| iAudio M3 | Cowon | HDD MP3 Player |
| SI-M500L | Sharp | 256MB MP3 Player |
| H10 | Iriver | MP3 Player |
| YP-T5 VB | Samsung | MP3 Player |
| YP-53 | Samsung | 256MB MP3 Player |

USB External HDD

| Product | Company | Type |
|--------------|---------|---------|
| MOMOBAY UX-2 | Dvico | USB 2.0 |

Specifications

| | | | | |
|-------------------|-----------------------------|-----------------------|--------------------------|--------------|
| GENERAL | Power Consumption | 90W | | |
| | Weight | 11lbs | | |
| | Dimensions (W x H x D) | 17 x 3 x 17.1 inches | | |
| | Operating Temperature Range | 41°F ~ 95°F | | |
| | Operating Humidity Range | 10% ~ 75% | | |
| F TUNER | Usable Sensitivity | 10dB | | |
| | S/N Ratio | 60dB | | |
| | Distortion | 1% | | |
| V I D E O | 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 | | |
| A M P L I F I E R | Front speaker output | D M O D E | 166W x 2(3Ω) | |
| | | | Center speaker output | 170W(3Ω) |
| | | | Rear speaker output | 166W x 2(3Ω) |
| | | | Subwoofer speaker output | 166W(3Ω) |
| | Frequency range | 20Hz~20KHz | | |
| | S/N Ratio | 75dB | | |
| | Channel separation | 60dB | | |
| | Input sensitivity | (AUX)400mV | | |

| | | | | |
|---------------|-----------------------------|-----------------------------|-----------------------------|-------------------|
| S P E A K E R | Speaker system | 5.1ch speaker system | | |
| | | Front/Rear speaker | Center speaker | Subwoofer speaker |
| | Impedance | 3Ω x 5 | | 3Ω |
| | Frequency range | 145Hz~20KHz | | 35Hz~155Hz |
| | Output sound pressure level | 86dB/W/M | | 86dB/W/M |
| | Rated input | 166W | 170W | 166W |
| | Maximum input | 332W | 340W | 332W |
| | Dimensions (W x H x D) | Front/Rear | 3.5 in. x 6.6 in. x 3.8 in. | |
| Center | | 9.8 in. x 3.5 in. x 3.8 in. | | |
| Weights | Front/Rear | 1.3 lbs/1.1 lbs | | |
| | Center | 1.5 lbs | | |

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