SAMSUNG

DIGITAL HOME THEATER SYSTEM

SWA-4000

SAMSUNG ELECTRONICS AMERICA, INC.

Instruction Manual

SAMSUNG
ELECTRONICS

DivX VIDEO | DOLBY DIGITAL PRO LOGIC II | dts DIGITAL SURROUND | DVD VIDEO | disc COMPACT DIGITAL AUDIO | MP3 DIGITAL DISC PLAYBACK

Safety Warnings

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

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

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

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

CLASS 1 LASER PRODUCT

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

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

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

This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.
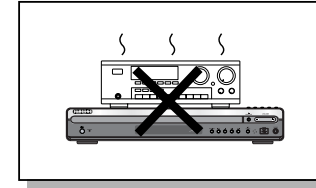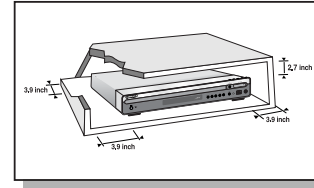
This symbol alerts you to important operating and maintenance instructions accompanying the unit.

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

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

Precautions

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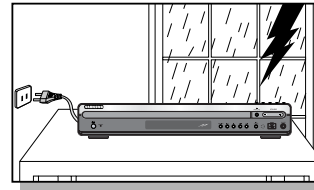

During thunderstorms, disconnect AC main plug from the wall outlet.
Voltage peaks due to lightning could damage the unit.
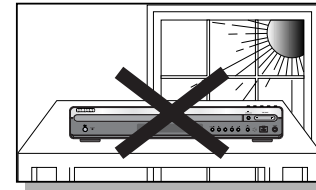
Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.
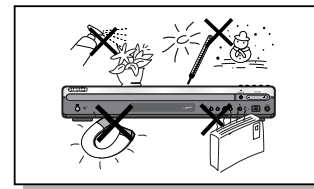
Protect the player from moisture(i.e. vases) , and excess heat (e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use. Use of this product is for personal use only.
Condensation may occur if your player or disc has been stored in cold temperatures.
If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.
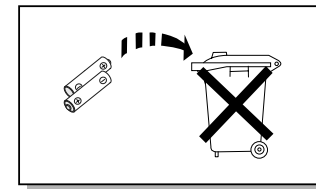
The batteries used with this product contain chemicals that are harmful to the environment.
Do not dispose of batteries in the general household trash.

Safety Instructions

READ INSTRUCTIONS
All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS
The safety and operating instructions should be retained for future reference.

HEED WARNINGS
All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS
All operating and use instructions should be followed.

WATER AND MOISTURE
Do not use this video product near water-
for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.

OVERLOADING
Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

VENTILATION
Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating these openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface. This video product should never be placed near or over a radiator or heat register.
This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been fol-lowed.

POWER CORD PROTECTION
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

CLEANING
Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

LIGHTNING
For added protection of this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.

OBJECT AND LIQUID ENTRY
Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.

ACCESSORIES
Do not place this video product on an unstable cart, stand, tripod, bracket, or table.
The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance.
Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

CART
An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combina-tion to overturn.

POWER SOURCES
This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of supply to your home, consult your appliance dealer or local power company. For video products intended to be operated from bat-tery power, or other sources, refer to the operating instructions.

POWER LINES
An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna sys-tem, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

POLARIZATION
This video product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other.) This plug will fit into the power outlet only one way.
This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

OUTDOOR ANTENNA GROUNDING
• If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.
• In the U.S.A section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See the figure below.
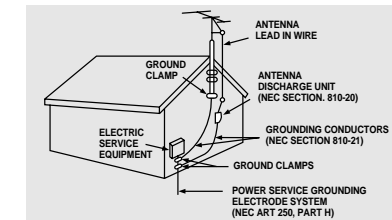
ATTACHMENTS
Do not use attachments not recommended by the video product manufacturer as they may cause hazards.

SERVICING
• Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards.
• Refer all servicing to qualified service personnel.

REPLACEMENT PARTS
When replacement parts are required, be sure the service technician has used replacement parts spec-ified by the manufacturer or having the same charac-teristics as the original part. Unauthorized substitu-tions may result in fire, electric shock or other haz-ards.

ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION. 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

SAFETY CHECK
Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

DAMAGE REQUIRING SERVICE
Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
a. When the power-supply cord or plug is damaged.
b. If liquid has been spilled, or objects have fallen into the video product.
c. If the video product has been exposed to rain or water
d. If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
e. If the video product has been dropped or the cabinet has been damaged.
f. When the video product exhibits a distinct change in performance - this indicates a need for service.

HEAT
This video unit should be situated away from heat sources such as radiators, stoves, or other products (including amplifiers) that produce heat.

Features

○ **Multi-Disc Playback & FM Tuner**

The HT-WP38 combines the convenience of multi-disc playback capability, including DVD-AUDIO, DVD-VIDEO, CD, MP3-CD, CD-R/RW, and DVD-R/RW, with a sophisticated AM/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 Function support**

You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the Home Theater's USB HOST function.

○ **Dolby Pro Logic II**

Dolby Pro Logic II is a new 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**

The HT-WP38 automatically brightens and darkens your TV screen after 3 minutes in the stop mode.
The HT-WP38 automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

○ **Power Saving Function**

The HT-WP38 automatically shuts itself off after 20 minutes in the stop mode.

○ **Customized TV Screen Display**

The HT-WP38 allows you to select your favorite image during JPEG, DVD and set it as your background wallpaper.

○ **Wireless Rear Speakers and receiver module**

The HT-WP38 has a rear surround wireless receiver module that removes the need for long speaker cables between the main unit and rear speakers.

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Notes on Discs

DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.

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

Playable Discs

Disc Type	Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-AUDIO DVD-VIDEO	**DVD** AUDIO / 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	COMPACT DISC DIGITAL AUDIO	Audio	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 REGION CODE**" message appears on the TV screen.

Copy Protection

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

Disc Recording Format

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R. Other CD-R media, may not be playable.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.
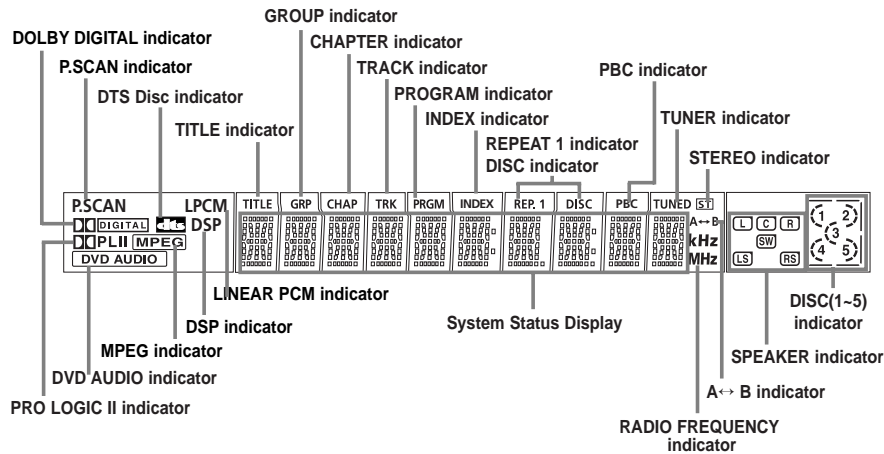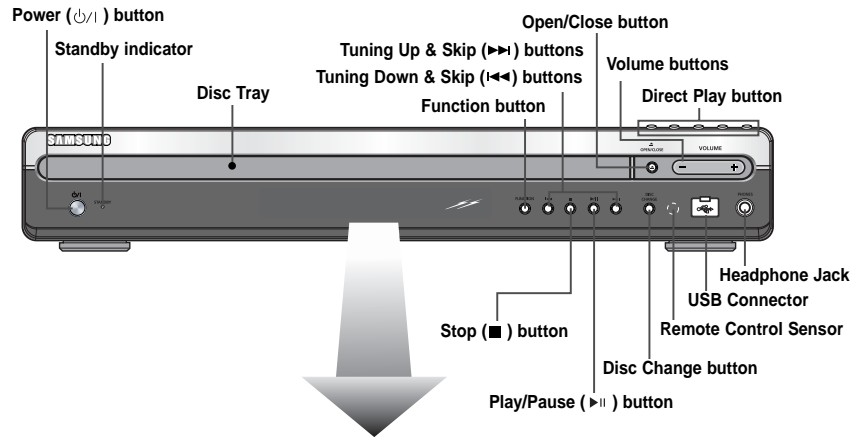
CD-R MP3 Discs

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

CD-R JPEG Discs

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

Description

—Front Panel—

Power (⏻/❘) button

Standby indicator

Disc Tray

Tuning Up & Skip (▶▶❘) buttons
Tuning Down & Skip (❘◀◀) buttons
Function button

Open/Close button

Volume buttons

Direct Play button

SAMSUNG

Headphone Jack
USB Connector
Remote Control Sensor

Stop (■) button

Disc Change button

Play/Pause (▶❘❘) button

DOLBY DIGITAL indicator
P.SCAN indicator
DTS Disc indicator
TITLE indicator

GROUP indicator
CHAPTER indicator
TRACK indicator
PROGRAM indicator
INDEX indicator
REPEAT 1 indicator
DISC indicator

PBC indicator

TUNER indicator

STEREO indicator

P.SCAN LPCM
DIGITAL DSP
PLII MPEG
DVD AUDIO

TITLE | GRP | CHAP | TRK | PRGM | INDEX | REP. 1 | DISC | PBC | TUNED | ST
A↔B
kHz
MHz

L C R
SW
LS RS

1 2
3
4 5

LINEAR PCM indicator
DSP indicator
MPEG indicator
DVD AUDIO indicator
PRO LOGIC II indicator

System Status Display

RADIO FREQUENCY indicator

A↔B indicator

SPEAKER indicator

DISC(1~5) indicator

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—Rear Panel—

Video Output Connector
Connect the TV's video input jacks
(VIDEO IN) to the VIDEO OUT connector.

External Video Component Input Connectors

Cooling Fan

COMPONENT VIDEO OUTPUT Connectors
Connect a TV with component video inputs to these jacks.

FM Antenna Connector

AM Antenna Connector

5.1 Channel Speaker Output Terminals

External Audio Component Input Connector

External Digital Optical Input Connector
Use this to connect external equipment capable of digital output.

S-Video Output Connector
If the TV is equipped with an S-Video input connector (S-VIDEO IN), connect it to the player's S-Video output.
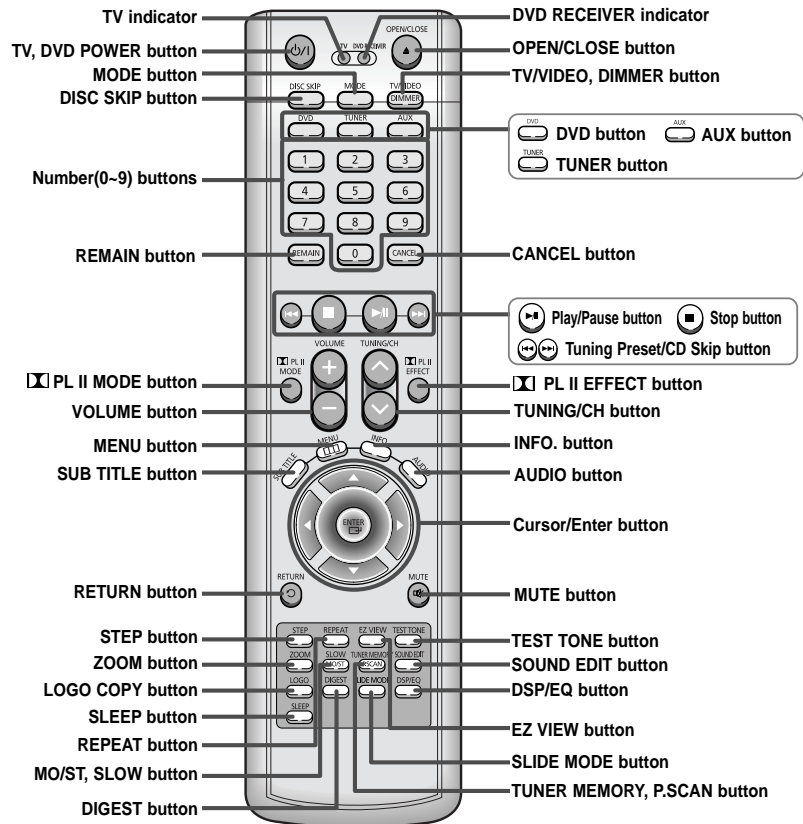
Accessories

* The wireless receiving antenna is built into the wireless rear amplifier.
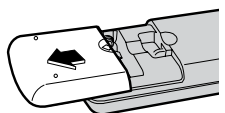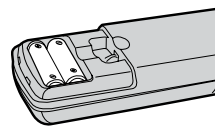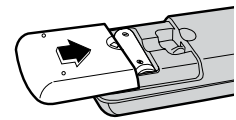
Remote Control (AH59-01506D)	Video Cable (AH39-40001V)	AM Antenna (AH42-00019A)
FM Antenna (AH42-00017A)	User's Manual (AH68-01713R)	Wireless receiver module

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Description

—Remote Control—

TV indicator

TV, DVD POWER button

MODE button

DISC SKIP button

Number(0~9) buttons

REMAIN button

PL II MODE button

VOLUME button

MENU button

SUB TITLE button

RETURN button

STEP button

ZOOM button

LOGO COPY button

SLEEP button

REPEAT button

MO/ST, SLOW button

DIGEST button

DVD RECEIVER indicator

OPEN/CLOSE button

TV/VIDEO, DIMMER button

DVD button   AUX button

TUNER button

CANCEL button

Play/Pause button   Stop button

Tuning Preset/CD Skip button

PL II EFFECT button

TUNING/CH button

INFO. button

AUDIO button

Cursor/Enter button

MUTE button

TEST TONE button

SOUND EDIT button

DSP/EQ button

EZ VIEW button

SLIDE MODE button

TUNER MEMORY, P.SCAN button

Insert Remote Batteries

1 Remove the battery cover on the back of the remote by pressing down and sliding the 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.

Caution **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 batteries to heat or flame.

Range of Operation of the Remote Control

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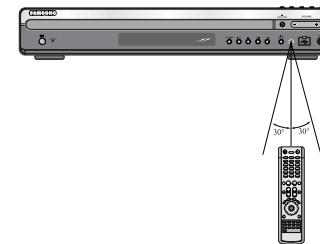
Connecting the Speakers

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

2.5 to 3 times the size of the TV screen

45° 45°

Wireless receiver
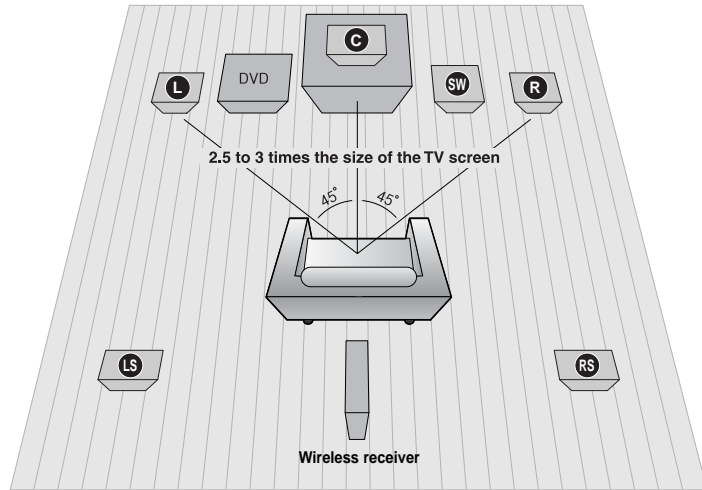
Position of the Home Theater

- 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)
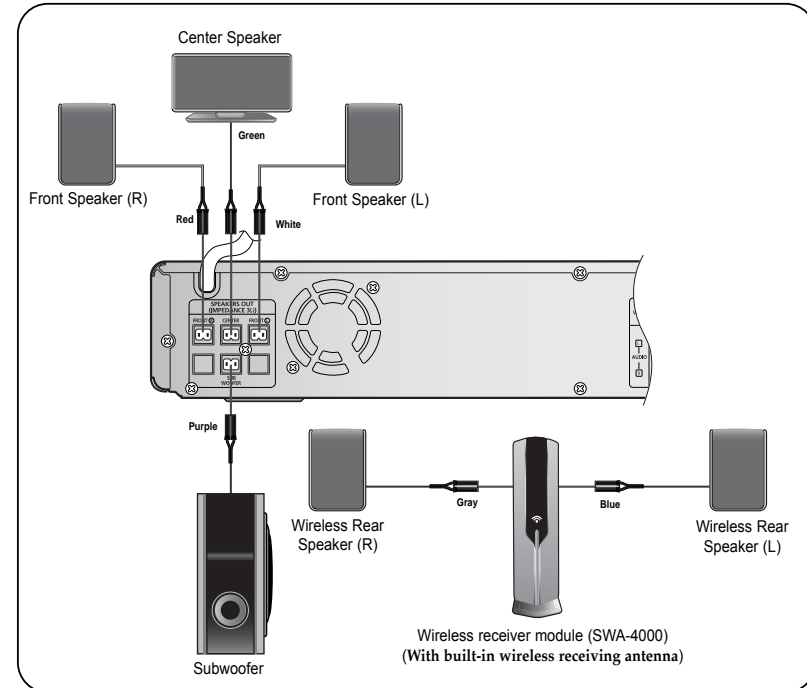For 55" TVs 3.5~4m (11~13 feet)

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.

Center Speaker

Green

Front Speaker (R)   Front Speaker (L)

Red   White

Purple

Gray   Blue

Wireless Rear Speaker (R)   Wireless Rear Speaker (L)

Wireless receiver module (SWA-4000)
(With built-in wireless receiving antenna)

Subwoofer

Back of the Speakers

1 Press down the terminal tab on the back of the speaker.

(−) (+)

2 Insert the black wire into the black terminal (−) and the gray wire into the gray (+) terminal, and then release the tab.
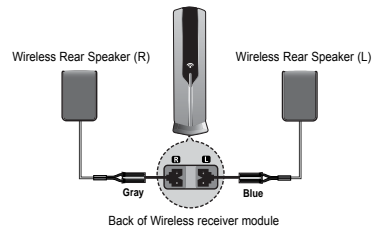
Black ——— Gray

(−) (+)
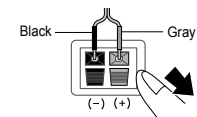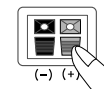
Back of the Main Unit

3 Connect the connecting plugs to the back of the Home Theater.

- Make sure the colors of the speaker terminals match the colors of the connecting plugs.

SPEAKERS OUT
(IMPEDANCE 3Ω)
FRONT   CENTER   FRONT

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14
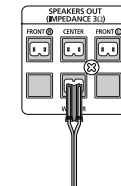
Connecting Wireless Rear Speakers

1 Connect your pair of wireless rear speakers, (L) and (R), to the wireless receiver module.

Wireless Rear Speaker (R)   Wireless Rear Speaker (L)

Gray   Blue

Back of Wireless receiver module

2 Connect the power cord of the wireless receiver module to the wall outlet and turn the power "**ON**".
  • The Power Standby indicator will light up.

Caution

• Do not connect the wireless rear speakers to the speaker outputs on the back of the main unit. Malfunction may result.
• 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.
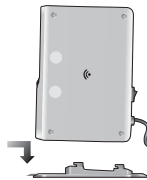
To hang the wireless receiver module on the wall,
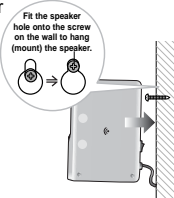
1 Separate wireless receiver module stand.

2 Fasten the screws on the wall.

3 Fix the wireless receiver module on the wall.
  • Fix the wireless receiver module firmly to prevent it from falling.

Fit the speaker hole onto the screw on the wall to hang (mount) the speaker.

Note

• 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 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.

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Resetting Wireless Communication

Reset the system if a communication failure occurs, or if the synchronizing signal indicator 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-4000) are in Power Standby mode.

1 With the main unit turned off, press and hold the remote control's **REMAIN** button for 4 seconds.
  • Press the button until the volume control indicator lights up blue. (The indicator will turn off in 1 second.)

RESET Button

Back of Wireless receiver module

2 With the wireless receiver module turned on, use a ball point pen or a pair of tweezers to press the **RESET** button on the back of the unit 2 to 3 times.
  • The Standby/On LED on the front panel of the wireless receiver module blinks 3 times.

3 Turn on the main unit.
  • The Link LED of the wireless receiver module is lit and the setup is finished.
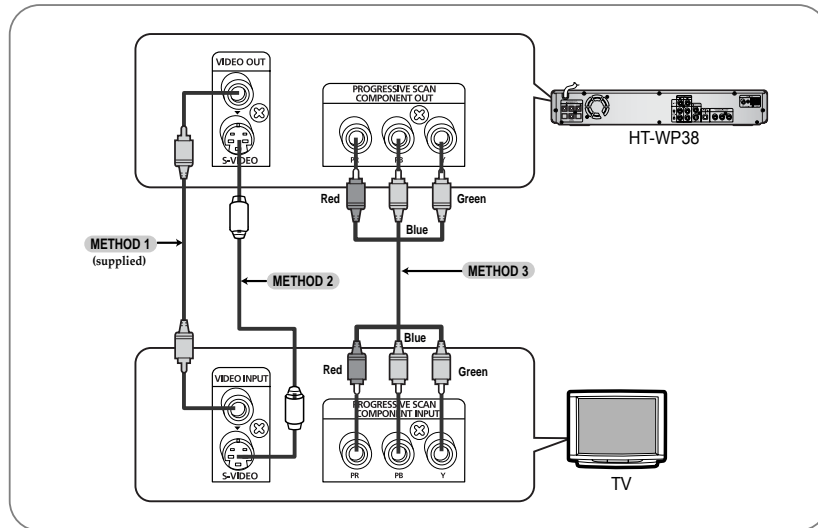 • If Power Standby mode continues, repeat Steps 1 to 3 above.

Caution

• 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.

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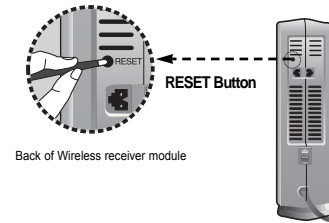
Connecting the Video Out to TV

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

HT-WP38

METHOD 1 (supplied)

METHOD 2

METHOD 3

TV

METHOD 1 **Composite Video** ······ **(Good Quality)**

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

METHOD 2 **S-Video** ······ **(Better Quality)**

- If your television is equipped with an S-Video input, connect an S-Video cable (not supplied) from the S-VIDEO OUT jack on the back panel of the system to the S-VIDEO IN jack on your television.

METHOD 3 **Component** ······ **(Best Quality)**

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

Note • When the Progressive scan mode is selected, the VIDEO and S-VIDEO outputs do not feed any signal.

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P.SCAN (Progressive Scan) Function

Unlike regular Interlace Scan, in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

1 **Press STOP button.**

• When disc is played back, press the **STOP** button twice so that "**STOP**", appears on the display.

2 **Press and hold P.SCAN button on the remote control for over 5 seconds.**

• Pressing and holding the button for over 5 seconds will select "**Progressive Scan**" and "**Interlace Scan**" alternately.

• When you select P.SCAN, "**P.SCAN**" will appear on the display.

• To set P.Scan mode for DivX discs, press the **P.SCAN** button on the remote control for more than 5 seconds with no disc in the unit (""**NO DISC**" on the display), then load the DivX disc and play.

CONNECTIONS

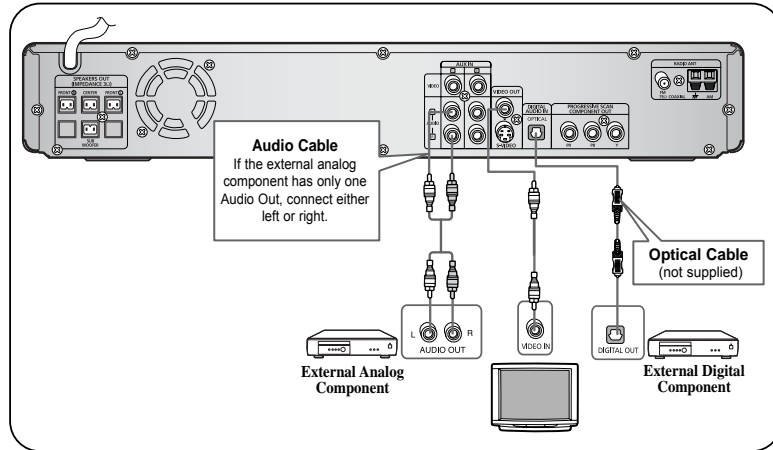### What is Progressive (or Non-Interlaced) Scanning?

Interlaced Scan (1 FRAME = 2 FIELDS)	Progressive Scan (FULL FRAME)
In interlaced-scan video, a frame consists of two interlaced fields (odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/30th of a second, contains two interfaced fields, thus a total of 60 fields are displayed every 1/60th of a second. The interlaced scanning method is intended for capturing a still object.	The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes. The progressive scanning method is desirable for dealing with moving objects.

Note • This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive scan TVs.)
• Depending on the brand and model of your TV, this function may not work.

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Connecting External Components
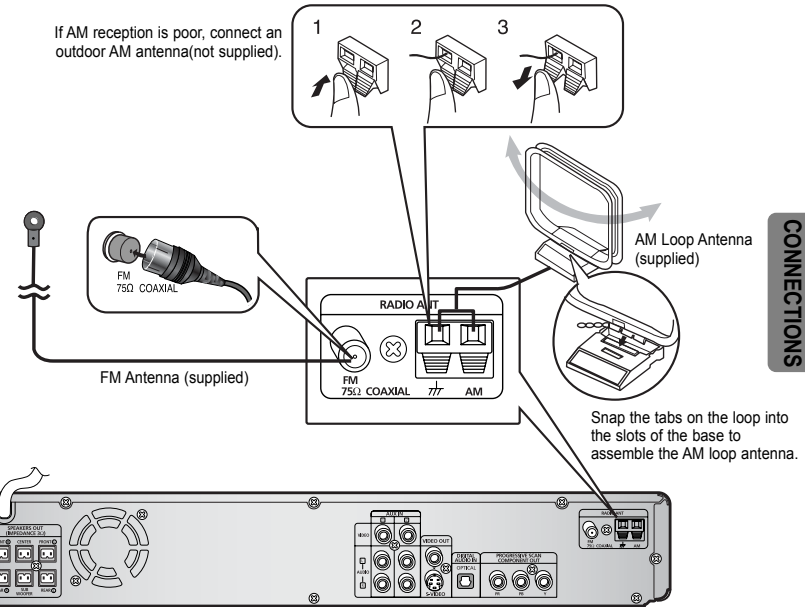
Connecting an External Digital / Analog Component

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

Audio Cable
If the external analog component has only one Audio Out, connect either left or right.

Optical Cable
(not supplied)

L   R
AUDIO OUT

VIDEO IN

DIGITAL OUT

External Analog Component

External Digital Component

1 Connect Video Out on the Home Theater to Video In on the TV.

2 Connect the Digital Input (OPTICAL) to the Digital Output on the external digital component.

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

4 Press **AUX** on the remote control to select 'DIGITAL IN / AUX1 / AUX 2'.
  • Each time the button is pressed, the selection changes as follows: **DIGITAL IN → AUX 1 → AUX 2**.
  • You can also use the **FUNCTION** button on the main unit.
   The mode switches as follows: **DVD/CD → DIGITAL IN → AUX1 → AUX2 → FM → AM**.

Note   • If you have connected an external digital component and also an Analog component to Video In (1, 2) at the same time, there will be video from AUX 1 even when you select DIGITAL IN.

  • If you have connected Audio In (L, R) to 1, connect Video In to 1 as well, and if you have connected Audio In (L, R) to 2, connect Video In to 2 also.

  • When you select Aux 1 or 2, you are selecting Video 1 or 2 inputs respectively.

Connecting the FM and AM Antennas

If AM reception is poor, connect an outdoor AM antenna(not supplied).

1   2   3

AM Loop Antenna (supplied)

CONNECTIONS

FM
75Ω COAXIAL

RADIO ANT

FM Antenna (supplied)

FM
75Ω COAXIAL   AM

Snap the tabs on the loop into the slots of the base to assemble the AM loop antenna.

FM antenna connection

1. Connect the FM antenna supplied to the FM 75¹ COAXIAL terminal.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

AM antenna connection

1. Connect the AM loop antenna supplied to the AM and ⊓ terminals.
  • Insert the black wire into the black terminal and the white wire into the white terminal.
2. If reception is poor, connect an outdoor single vinyl-covered wire to the AM terminal. (Keep the AM loop antenna connected).

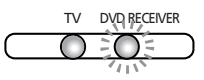## Cooling Fan   The cooling fan supplies cool air to the unit to prevent overheating.
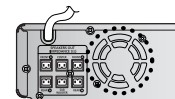
Please observe the following cautions for your safety.
  • Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit could rise and may damage it.
  • Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)
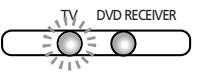
Before Using Your Home Theater

ENG

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

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

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

TV   DVD RECEIVER

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

**4** Press the **MODE** button until the TV indicator llights.

TV   DVD RECEIVER

5 Press **POWER** button to turn on the Home Theater and then press **TV/VIDEO** button on your TV remote to select "External Input" mode.

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

**To Operate your TV and the Home Theater with the HT-WP38's Remote Control**

Press **MODE** button.

• You can operate the TV after TV indicator (red) blinks 1 time, and operate DVD receiver after DVD indicator (green) blinks 1 time.

• Buttons Enabled for TV Operation: POWER, CHANNEL, VOLUME, TV/VIDEO, and Numeric (0-9) buttons.

• By default, the remote control is set to work with Samsung TVs.
  See page 67 for more information on the operation of the remote control.
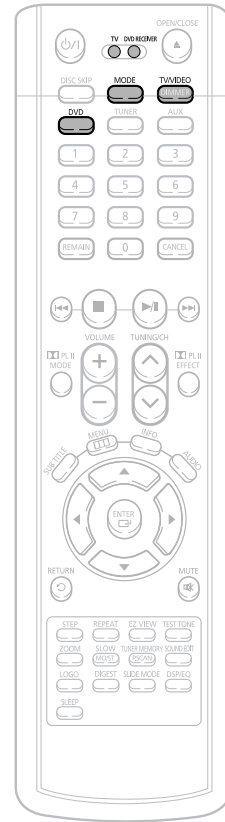
Disc terminology

Groups and tracks (DVD-AUDIO)

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

GROUP 1			GROUP 2	
TRACK 1	TRACK 2	TRACK 3	TRACK 1	TRACK 2
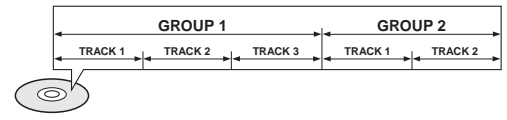
Titles and chapters (DVD-VIDEO)

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

TITLE 1			TITLE 2	
CHAPTER 1	CHAPTER 2	CHAPTER 3	CHAPTER 1	CHAPTER 2
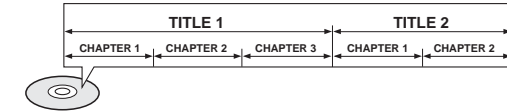
Tracks (Video and music CDs)

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

TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5
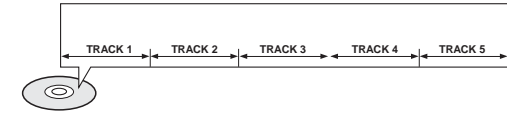
Files (DivX)

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

FILE 1	FILE 2
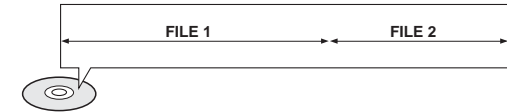
Note • **In this manual, the instructions marked with "DVD (DVD)" are applicable to DVD-VIDEO, DVD-AUDIO, and DVD-R/RW discs. Where a particular DVD type is mentioned, it is indicated separately.**
• Depending on the content of the disc, the initial screen may appear different.

CONNECTIONS

Disc Playback

1 Press **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 **DISC SKIP** button.
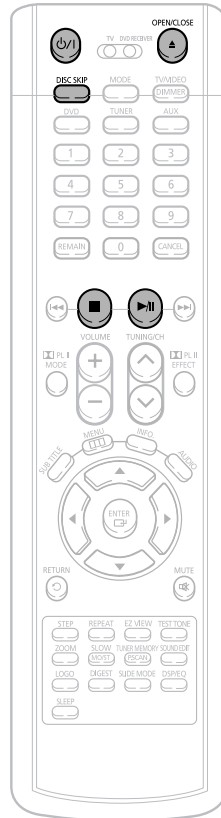• Rotate the carousel tray so you can load the third, fourth, and fifth discs.

4 Close the compartment by pressing the **OPEN/CLOSE** button again.

DVD CD

• Playback starts automatically.

Note
• Depending on the content of the disc, the initial screen may appear different.
• Depending on the recording mode, some MP3-CDs cannot be played.
• Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

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Selecting a Disc in the Disc changer

The DVD/CD function is automatically selected when Disc Skip is pushed.

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

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

CHAP
00420

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

To temporarily pause playback, press **PLAY/PAUSE** during playback.
• To resume playback, press **PLAY/PAUSE** (▶/❚❚) button again.

OPERATION

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MP3-CD Playback

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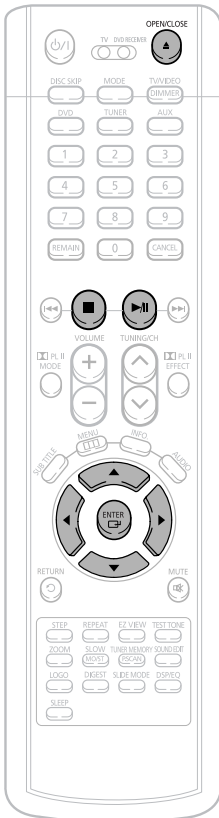
MP3

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

- The MP3 menu screen will appear and playback will start.
- The appearance of the menu depends on the MP3 disc.

SORTING 🎵 📷 🎞 ⊞ 🖹 ⊙USB NAVI
☐ MP3 1   🎵 Without You
☐ MP3 2   🎵 Yesterday
☐ MP3 3   🎵 Let It Be
           🎵 Imagine
           🎵 Honesty
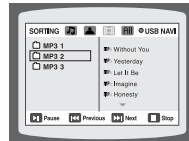▶Ⅱ Pause ◀◀ Previous ▶▶ Next ■ Stop

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

SORTING 🎵 📷 🎞 ⊞ 🖹 ⊙USB NAVI
☐ MP3 1   🎵 Without You
☐ MP3 2   🎵 Yesterday
☐ MP3 3   🎵 Let It Be
           🎵 Imagine
           🎵 Honesty
▶Ⅱ Pause ◀◀ Previous ▶▶ Next ■ Stop

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

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

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

Note
- Depending on the recording mode, some MP3-CDs may not play.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.
- MP3 file support: MPEG1 LAYER3 (BITRATE : 128KBPS~320KBPS , SAMPLING FREQ.: 32K/44.1K/48KHz)

Displaying Disc Information

You can view disc playback information on the TV screen.

Press **INFO** button.
- Each time the button is pressed, the display changes as follows:

DVD

DVD 🔊 01/01 🎞 001/040 🕐 0:00:37 📹 1/1

⊙

DVD 🔊 KO 1/3 🎞 OFF/ 02 🔁 OFF

⊙

The information display disappears from the screen

CD

CD ⊙ 02/15 🎧 LR 🔁 OFF 🕐 0:02:30

SAMSUNG DIGITall
everyone's invited™

⊙

The information display disappears from the screen

MP3 DivX JPEG

MP3 ⊙ 0001/0042 🕐 0:00:09 🔁 OFF
DVD RECEIVER   ● SMART NAVI
⊡ ROOT   🎵 Something like you
              🎵 Back for good
              🎵 Love of my life
              🎵 More than words

⊙

The information display disappears from the screen

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

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

Screen Display

DVD DVD display	🔊T TITLE display
CD CD display	🔊G GROUP display
DivX DivX display	🌀 CHAPTER display
MP3 MP3 CD display	⊙ TRACK (FILE) display
DVD AUDIO DVD-AUDIO display	

🕐 ELAPSED TIME display	🎧LR STEREO (L/R) display
🔁 REPEAT PLAYBACK display	DOLBY DIGITAL DOLBY DIGITAL display
🖼 AUDIO LANGUAGE display	📹 ANGLE display
▦ SUBTITLE display	

OPERATION

JPEG File Playback `JPEG`

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this Home Theater.
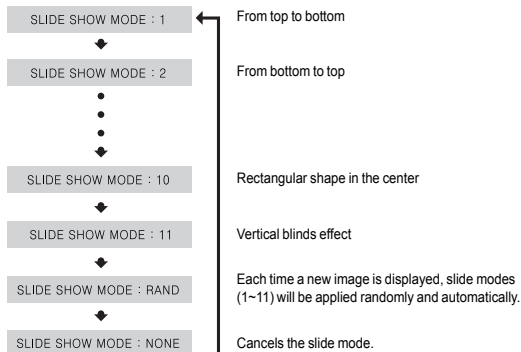
Slide Mode

1 Place the JPEG disc on the disc tray.

2 Press the **OPEN/CLOSE** button.

3 Press **SLIDE MODE** button.

- Playback starts automatically.
- Each time the button is pressed, the image makes the transition as follows:

SLIDE SHOW MODE : 1	From top to bottom
SLIDE SHOW MODE : 2	From bottom to top
SLIDE SHOW MODE : 10	Rectangular shape in the center
SLIDE SHOW MODE : 11	Vertical blinds effect
SLIDE SHOW MODE : RAND	Each time a new image is displayed, slide modes (1~11) will be applied randomly and automatically.
SLIDE SHOW MODE : NONE	Cancels the slide mode.

Press ◄◄ ►► to skip to the next slide.

- Each time the button is pressed, the slide moves backward or forward.

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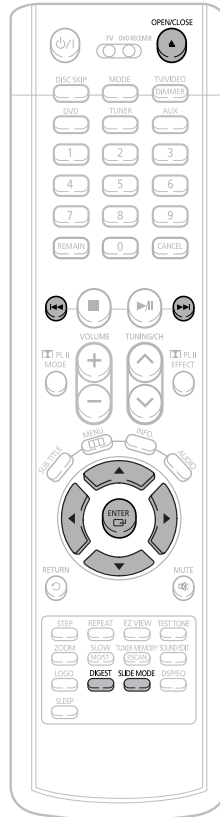
Digest Function

You can view 9 JPEG images on the TV screen.

1 Press **DIGEST** button during playback.

- JPEG files will be shown in 9 windows.

2 Press Cursor ▲ , ▼, ◄ ,► buttons to select the desired image and then press **ENTER** button.
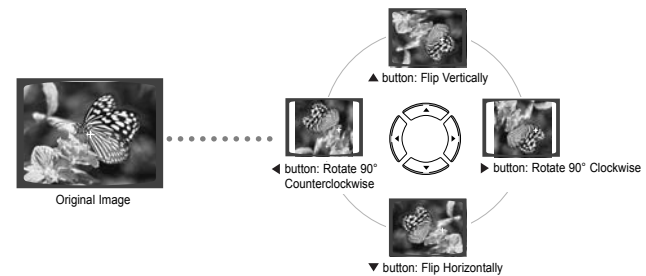
- The selected image is played for 5 seconds before moving to the next image.

To view the previous or next image with 9 windows, press ◄◄ ►► .

Rotate/Flip Function

Press Cursor ▲ , ▼ , ◄ ,► buttons during playback.

Original Image

▲ button: Flip Vertically
◄ button: Rotate 90° Counterclockwise
► button: Rotate 90° Clockwise
▼ button: Flip Horizontally

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DivX Playback

Skip Forward/Back

During playback, press the ◄◄ ►► button.
- Go to the next file whenever you press ►►   button, if there are over 2 files in the disk.
- Go to the previous file whenever you press ◄◄   button, if there are over 2 files in the disk.

Fast playback

To play back the disc at a faster speed, press and hold ◄◄ or ►► during playback.
- Each time you press and hold either button, the playback speed will change as follows:
  2x → 4x → 8x → 32x → Normal.

5 Minute Skip function

During playback, press the ◄ , ► button.
- Playback skips 5 minutes forward whenever you press ►   button.
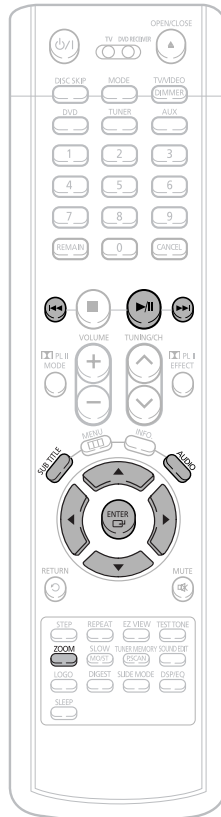- Playback skips 5 minutes back whenever you press ◄ button.

Zoom Function

1 Press **ZOOM** button.

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

2 Press Cursor ▲ ,▼ , ◄ ,► buttons to move to the area you want to enlarge.

Note • DIVX file can be zoomed only in ZOOM X2 mode.

Subtitle Display

Press the **SUBTITLE** button.

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

Audio Display

Press the **AUDIO** button.

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

Note • " 🖐 " is displayed when there is one supported language in the disc.

DivX(Digital internet video eXpress)
DivX is a video file format developed by Microsoft and is based on MPEG4 compression technology to provide audio and video data over the Internet in real-time.
MPEG4 is used for video encoding and MP3 for audio encoding so that the users can watch a movie at near DVD-quality video and audio.

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

● **Supported Video Formats**

Format	AVI	WMA
Supported Versions	DivX3.11 ~ 5.1	V1/V2/V3/V7

● **Supported Audio Formats**

Format	MP3	WMA	AC3	DTS
Bit Rate	80~384kbps	56~128kbps	128~384kbps	N/A
Sampling Frequency	44.1khz		44.1/48khz	N/A

- Aspect Ratio: Although default DivX resolution is 640*480 pixels (4:3), this product supports up to 720*480 pixels (16:9). TV screen resolutions higher than 800 will not be supported.
- When you play a disc whose sampling frequency is higher than 48khz or 320kbps, you may experience shaking on the screen during playback.

2. Caption Function
- You must have some experience with video extraction and editing in order to use this feature properly.
- To use the caption function, save the caption file (*.smi) in the same file name as that of the DivX media file (*.avi) within the same folder.
  Example. Root   Samsung_Bluetek_007CD1.avi
                             Samsung_Bluetek_007CD1.smi
- Up to 60 alphanumeric characters or 30 East Asian characters (2 byte characters such as Korean and Chinese) for the file name.

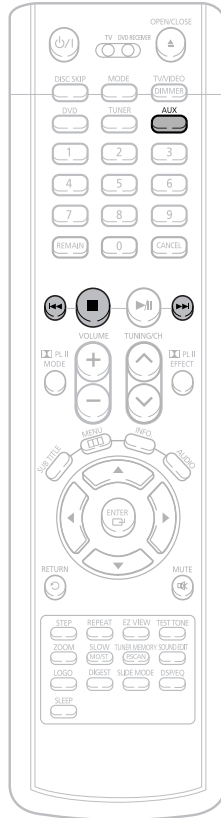**OPERATION**

Playing Media Files using the USB HOST feature

You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the Home Theater's USB HOST function.

1 Open the USB cap and connect the USB cable.
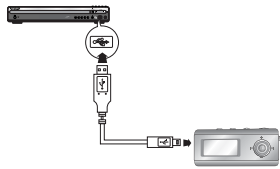
2 Press the **FUNCTION** button on the main unit or the **AUX** button on the remote control to select the USB mode.
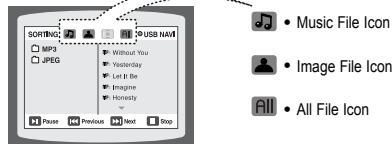
- "**USB**" appears on the display screen and then disappear.
- USB SORTING screen appears on the TV screen and the saved file is played.

SORTING 🎵 👤 🖼 📋 ● USB NAVI
MP3 · Without You
JPEG · Yesterday
· Let It Be
· Imagine
· Honesty
▶ Pause ◀◀ Previous ▶▶ Next ■ Stop

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

Note
- Video files (DivX, ASF, WMV, MPEG, etc.) are not supported.
- To prevent the loss of data saved in the USB device, please turn the unit off or switch it to another mode before disconnecting the USB cable.

To play a file in the USB menu screen,

SORTING 🎵 👤 🖼 📋 ● USB NAVI
MP3 · Without You
JPEG · Yesterday
· Let It Be
· Imagine
· Honesty
▶ Pause ◀◀ Previous ▶▶ Next ■ Stop

- 🎵 • Music File Icon
- 👤 • Image File Icon
- All • All File Icon

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

- To play music files only, select the 🎵 Icon.
- To view image files only, select the 👤 Icon.
- To select all files select the All Icon.

Skip Forward/Back

During playback, press the ◀◀ ▶▶ button.
- When there is more than a file, when you press the ▶▶ button, the next file is selected.
- When there is more than a file, when you press the ◀◀ button, the previous file is selected.

Fast playback

To play back the disc at a faster speed, press and hold ◀◀ or ▶▶ during playback.
- Each time you press and hold either button, the playback speed will change as follows:
  2x → 4x → 8x → 32x → Normal.

Compatible Devices

1. USB devices that support USB Mass Storage v1.0.
   (USB devices that operate as a removable disk in Windows (2000 or later) without additional driver installation.)

2. MP3 Player: HDD and flash type MP3 player.

3. Digital camera: PTP protocol is not supported.
   - Devices which require additional program installation when you have connected it to a computer, are not supported.

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.

• Supported Formats

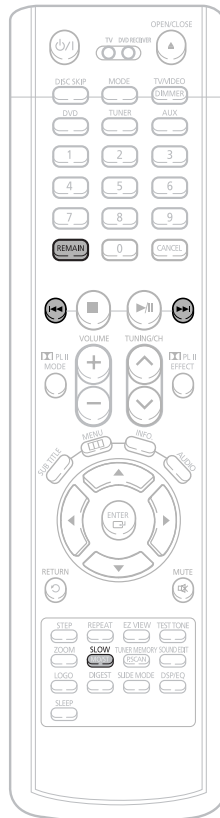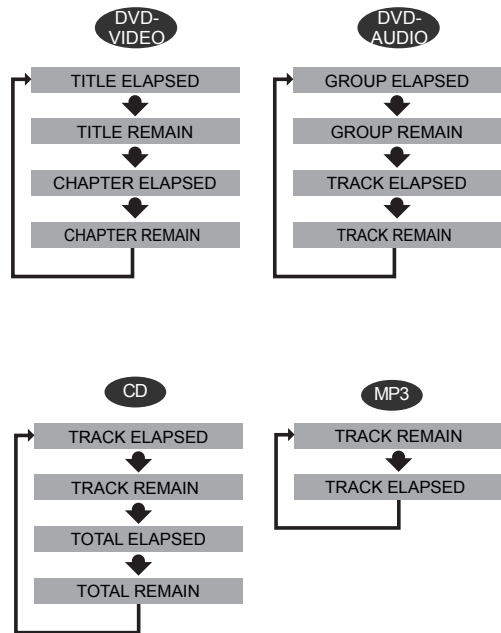|	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	.JPG .JPEG	–	–	640*480	–
Music	MP3	.MP3	80~384kbps	–	–	44.1kHz
	WMA	.WMA	56~128kbps	V8	–	44.1kHz

- A device using NTFS file system is not supported.
  (Only FAT file system is supported.)

Checking the Remaining Time

Press the REMAIN button.
- For checking the total and remaining time of a title or chapter being played.
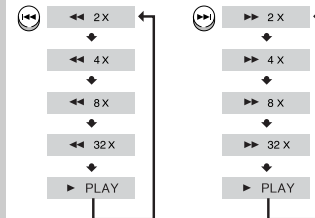
Each time the REMAIN button is pressed

DVD-VIDEO

TITLE ELAPSED
↓
TITLE REMAIN
↓
CHAPTER ELAPSED
↓
CHAPTER REMAIN

DVD-AUDIO

GROUP ELAPSED
↓
GROUP REMAIN
↓
TRACK ELAPSED
↓
TRACK REMAIN

CD

TRACK ELAPSED
↓
TRACK REMAIN
↓
TOTAL ELAPSED
↓
TOTAL REMAIN

MP3

TRACK REMAIN
↓
TRACK ELAPSED

Fast/Slow Playback

Fast Playback

DVD CD MP3

Press and hold ◄◄ ►► .
- Each time the button is held down during playback, the playback speed changes as follows:

◄◄ 2 X
↓
◄◄ 4 X
↓
◄◄ 8 X
↓
◄◄ 32 X
↓
► PLAY

►► 2 X
↓
►► 4 X
↓
►► 8 X
↓
►► 32 X
↓
► PLAY

Slow Playback

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

DVD

►► 1/2
↓
►► 1/4
↓
►► 1/8
↓
◄I 1/2
↓
◄I 1/4
↓
◄I 1/8
↓
► PLAY

DivX
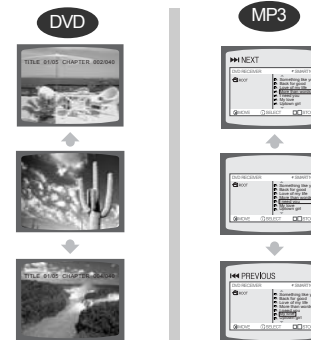
►► 1/2
↓
►► 1/4
↓
►► 1/8
↓
► PLAY
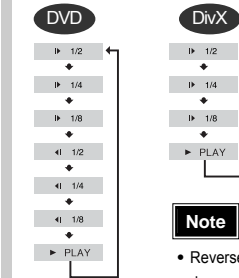
Note
- Reverse slow playback does not work with DivX.

Skipping Scenes/Songs

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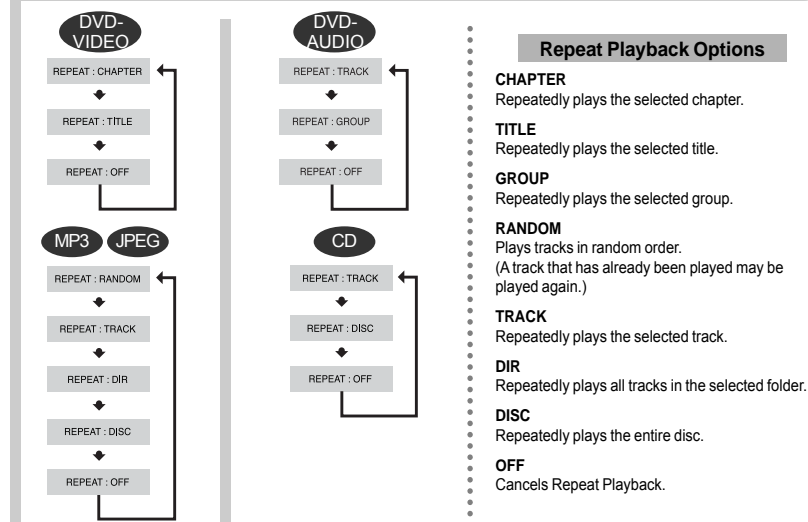- You cannot skip chapters consecutively.

DVD

MP3

OPERATION

Repeat Playback

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

DVD   CD   MP3   JPEG

Press **REPEAT** button.

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

DVD-VIDEO

REPEAT : CHAPTER
↓
REPEAT : TITLE
↓
REPEAT : OFF

DVD-AUDIO

REPEAT : TRACK
↓
REPEAT : GROUP
↓
REPEAT : OFF

MP3   JPEG

REPEAT : RANDOM
↓
REPEAT : TRACK
↓
REPEAT : DIR
↓
REPEAT : DISC
↓
REPEAT : OFF

CD

REPEAT : TRACK
↓
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

1 Press **INFO** button twice.

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

3 Press Cursor ▼ button to select the desired Repeat Playback mode.

4 Press **ENTER** button.

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

DVD

DVD EN 1/3 OFF/ 02 ⟳ OFF
⟳ A−
⟳ CHAP
⟳ TITL

CD

VCD 02/02 LR ⟳ OFF
⟳ A−
⟳ TRACK
⟳ DISC

35
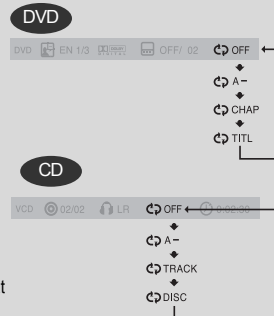
A-B Repeat Playback

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

DVD   CD

1 Press **INFO** button twice.

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

DVD EN 1/3 OFF/ 02 ⟳ OFF

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

DVD EN 1/3 OFF/ 02 ⟳ OFF

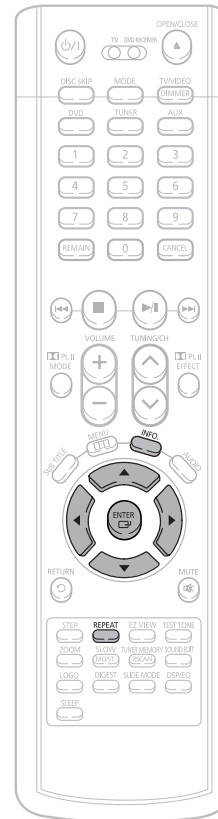**3** Press Cursor ▲ , ▼ buttons to select 'A-' and then press **ENTER** button at the beginning of the desired segment.

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

DVD EN 1/3 OFF/ 02 ⟳ A−
↓
DVD EN 1/3 OFF/ 02 ⟳ A-?
REPEAT : A—

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

• The specified segment will be played repeatedly.

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

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

Note

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

OPERATION

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Step Function `DVD`

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

▶❙ STEP

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

Angle Function `DVD`

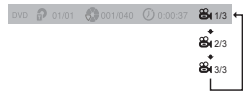This function allows you to view the same scene in different angles.

1 Press **INFO** button.

DVD 🔲 01/01 ⚫ 001/040 🕐 0:00:37 📷 1/3

2 Press Cursor ▶ button to move to ANGLE (📷) display.
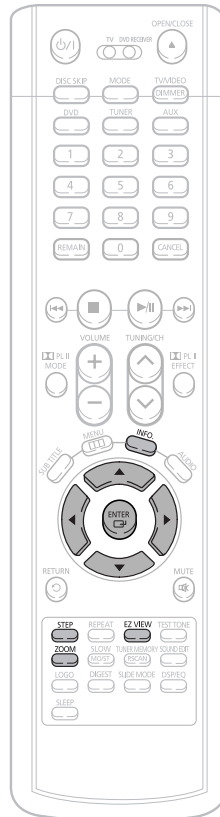
DVD 🔲 01/01 ⚫ 001/040 🕐 0:00:37 📷 1/3
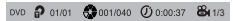
3 Press Cursor ▲,▼ or numeric buttons to select the desired angle.

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

DVD 🔲 01/01 ⚫ 001/040 🕐 0:00:37 📷 1/3
📷 2/3
📷 3/3

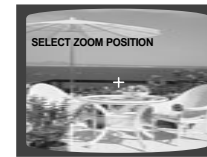**Note** • The Angle function works only with discs on which multiple angles have been recorded.

Zoom (Screen Enlarge) Function

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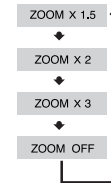
`DVD`

1 Press **ZOOM** button.

SELECT ZOOM POSITION

2 Press Cursor ▲,▼, ◄,► buttons to move to the area you want to enlarge.

3 Press **ENTER** button.

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

ZOOM X 1.5
ZOOM X 2
ZOOM X 3
ZOOM OFF

EZ VIEW Function `DVD`

Press **EZ VIEW** button.

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

EZ VIEW   EZ VIEW OFF
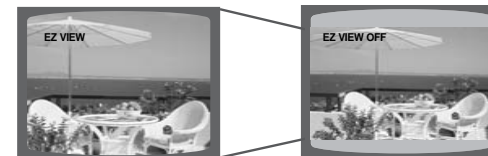
Note

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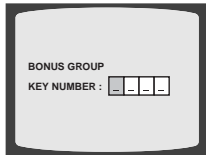
Bonus Group / Navigating Pages
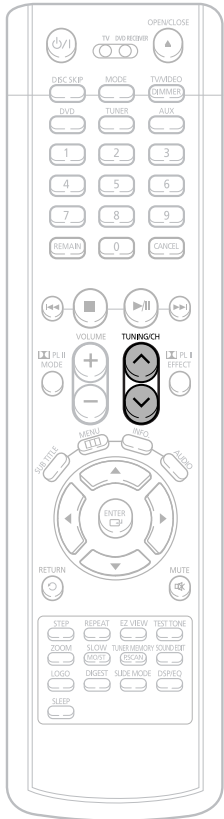
Bonus Group `DVD-AUDIO`

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

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

```
BONUS GROUP
KEY NUMBER : _ _ _ _
```

Note

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

Navigating Pages `DVD-AUDIO`

During playback, press the **TUNING/CH** button on the remote control.

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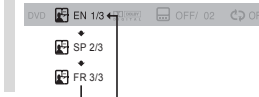
Selecting Audio/Subtitle Language `ENG`

Audio Language Selection Function `DVD`

1 Press **INFO** button twice.

2 Press Cursor ▲ ,▼ buttons or numeric buttons to select the desired audio language.

• Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPANISH, FRENCH, etc.) is selected each time the button is pressed.
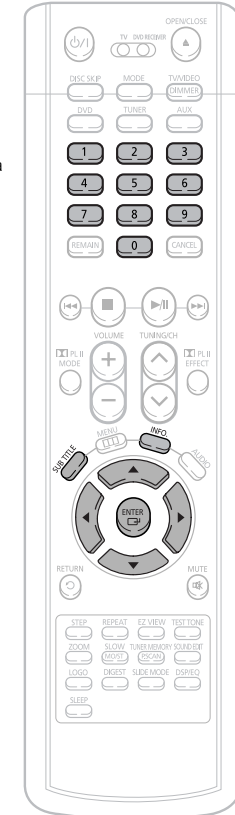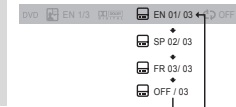
DVD EN 1/3 OFF/ 02 OFF

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

Subtitle Language Selection Function `DVD`

1 Press **INFO** button twice.

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

DVD EN 1/3 OFF/ 02 OFF

DVD EN 1/3 OFF/ 02 OFF

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

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

Note

• You can use the SUBTITLE button on the remote control to select a subtitle language.
• Depending on the disc, the Subtitle and Audio Language functions may not work.

OPERATION

Moving Directly to a Scene/Song

DVD **CD**

1 Press **INFO** button.

DVD 📀 01/05 ⚙ 001/040 🕐 0:00:37 📺 1/1

Moving to a Title/Track

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

DVD 📀 03/05 ⚙ 001/002 🕐 0:00:01 📺 1/1

Moving to a Chapter

3 Press Cursor ◄ , ► buttons to move to Chapter (⚙) display.

DVD 📀 01/05 ⚙ 001/040 🕐 0:00:01 📺 1/1

Moving to a Chapter

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

DVD 📀 01/05 ⚙ 025/040 🕐 0:00:01 📺 1/1

Moving to a Specific Time

5 Press Cursor◄ , ► buttons to move to time display.

DVD 📀 01/05 ⚙ 025/040 🕐 1:17:30 📺 1/1

Moving to a Specific Time

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

DVD 📀 01/05 ⚙ 028/040 🕐 1:30:00 📺 1/1

MP3 **JPEG**

Press the **numeric** buttons.

```
SELECT :  03
DVD RECEIVER                    ● SMART NAVI
⊡ROOT            ▶ Something like you
                 ▶ Back for good
                 ▶ Love of my life
                 ▶ More than words
                 ▶ I need you
                 ▶ My love
                 ▶ Uptown girl
⊙MOVE    ⊙SELECT       ⬛□STOP
```

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

Note

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

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Using Disc Menu **DVD**

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 **MENU** button.

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

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

3 Press Cursor ▲ ,▼ ◄ , ► buttons to select the desired item.

- Press ENTER button.

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

Using the Title Menu **DVD**

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 **MENU** button.

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

3 Press **ENTER** button.

- The title menu appears.

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

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

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Setting the Language

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

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

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

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

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

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

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

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

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

SETUP

Note

• To select another language, select OTHER and enter the language code of your country.
(See page 72 for language codes)
AUDIO, SUB TITLE and DISC MENU language can be selected.

Selecting the
OSD Language

Selecting the
Audio Language
(recorded on the disc)
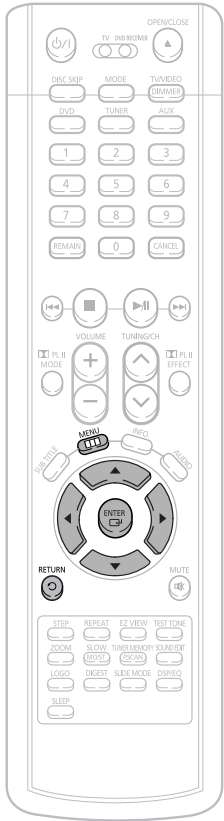
Selecting the
Subtitle Language
(recorded on the disc)

**Selecting the Disc Menu
Language (recorded on the disc)**

* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

Setting TV Screen type

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

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

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

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

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

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

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 size, you should adjust the aspect ratio to fit your TV or monitor.

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

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

| **4:3LB**
(4:3 Letterbox) | : Select this to play a 16:9 picture in the letter box mode on a conventional TV.
• Black bars will appear at the top and bottom of the screen. |

| **4:3PS**
(4:3 Pan&Scan) | : Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.
• You can see the central portion of the screen only (with the sides of the 16:9 picture cut off). |

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

SETUP

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

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

Setting Parental Controls (Rating Level)

Use this to restrict playback of adult or violent DVDs you do not want children to view.
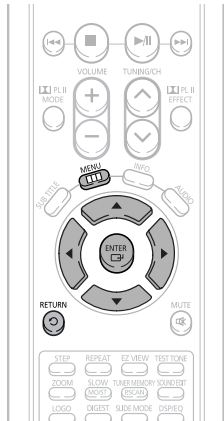
1 In Stop mode, press **MENU** button.

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

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

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

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

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

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.
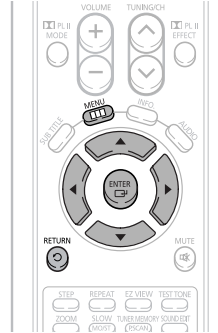
Note • This function works only if a DVD disc contains the rating level information.

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

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

Setting the Password

ENG

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

1 Press **MENU** button.

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

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

4 Press **ENTER** button.

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

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

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

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

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

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

SETUP

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