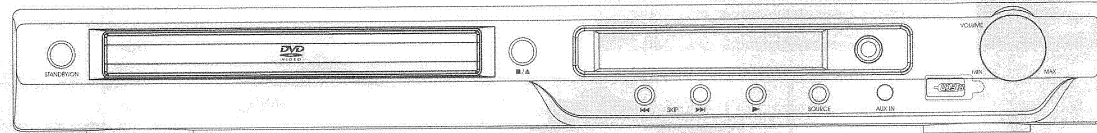


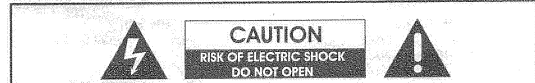
Model : AVR6000

DVD Home Theater System



Instruction Manual

SAFETY



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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

DO NOT REMOVE COVER OR OPEN THE CABINET.
High voltages are present inside the enclosure. No user serviceable parts inside. Refer servicing to qualified personnel only. Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.

LASER:
Type: Dual semiconductor laser GaAlAs
Wavelength: 650nm and 780nm
Output Power: 7mW
Beam Divergence: 60 degree

INVISIBLE LASER RADIATION WHEN OPEN OR INTERLOCK FAILED OR DELETED.

WARNINGS:
DO NOT STARE INTO BEAM. Avoid direct exposure to laser beam. To prevent direct exposure to laser beam, do not try to open the enclosure.

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the "standard definition" output. If there are questions regarding our TV set compatibility with this model 525p and 625p DVD player, please contact our customer service center.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

U.S. Patent Nos. 4,631,603; 4,819,098; 4,907,093; 5,315,448; and 6,516,132.

To ensure proper use of this product, please read this instruction manual carefully and retain for future reference. Should the unit requires any maintenance, please contact an authorized service center.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: RETAIN THIS MANUAL FOR FUTURE REFERENCE
This unit has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit does not contain any parts that can be repaired by the user.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this home theater near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.

- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades, one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement or the obsolete outlet.
- Only use attachments / accessories specified by the manufacturer.
- Unplug this home theater during lightning storms or when unused for long periods of time.
- Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the device. When a cart is used, use caution when moving the cart / device combination to avoid injury from tip-over.

- Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the unit, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.
- The device shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the device.
- Burden**
Do not place a heavy object on, or step on the product. The object may fall, causing serious personal injury and serious damage to the product.
- Damage Requiring Service**
Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance. It indicates a need for service.

- 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 specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

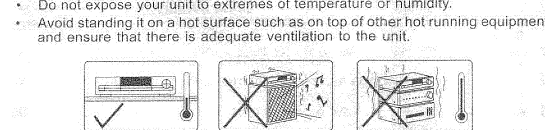
- Safety Check**
Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition that the product is in proper operating condition.
- USA & Canada versions comply with ETL requirements.

IMPORTANT BATTERY INFORMATION

- When storing the unit, be sure to remove the batteries as they may leak and damage the unit.
- Batteries may leak electrolyte if inserted incorrectly, if disposed in fire, or if an attempt is made to charge a battery not intended to be recharged.
- Discard leaky batteries immediately. Leaking batteries may cause skin burns or other personal injury.
- Dispose of batteries in accordance with federal, state and local regulations.
- Please Respect the Environment!**
Before throwing any battery away, consult your distributor who may be able to take them back for specific recycling.

INSTALLATION

- Install your unit on a stable flat surface. There must be sufficient room in front of the unit for the drawer to be opened and the unit should be positioned so that it can see the remote control.
- Do not expose your unit to extremes of temperature or humidity.
- Avoid standing it on a hot surface such as on top of other hot running equipment and ensure that there is adequate ventilation to the unit.



Cleaning Disc

Picture freezing, sound skipping or repeating can occur if the disc inside the player is dirty.

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.
- Do not wipe in a circular motion. Circular scratches can cause picture distortion or render the disc unplayable.

CAUTION!
Do not use solvents, commercially available cleaners, or antistatic spray intended for analog discs.

PLAYER ZONES

DVD discs are programmed with region numbers indicating countries in which they can be played. The region number of this unit is 1. If the DVD disc is marked with a different region number, it cannot be played on this unit.

PLAYABLE DISCS

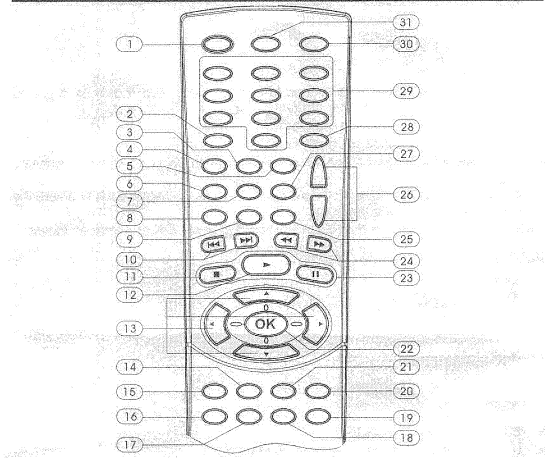
- DVD-Video**
- DVD-R/RW, DVD+R/RW**
DVD-R and DVD-RW discs must be made in Video DVD mode. DVD+R/RW discs must be made in accordance with the specifications for DVD+R/RW disc with a 4.7 GB capacity.
- Video CD (VCD), Super Video CD (SVCD)**
- Audio CDs**
- CD-R/RW**
This player can play most CD-R/RW discs. However depending on the recording conditions, you may find that not all discs will play successfully.
- MP3 Files on CD-R/RW**
MP3 files should be ISO 9660 or JOLIET format - If the sampling frequency is 44.1 or 48 KHz, and the fixed bit rate is 128Kbps or higher, MP3 files can be played. However, some of them may not be played depending on their conditions or formats.
- WMA Files on CD-R**
If the sampling frequency is 32KHz, and the fixed bit rate is 128Kbps or higher, WMA files can be played. However, some of them may not be played depending on their conditions or formats.
- JPEG Files on CD-R/RW**
This player can play JPEG files with a resolution for up to five million pixels. Certain JPEG files cannot be read by this player.
- MPEG4 Files on CD-R/RW**
Your MPEG4 files should be ISO format without QPEL.

PACKING

Examine the contents of the box of the DVD Home Theater System:

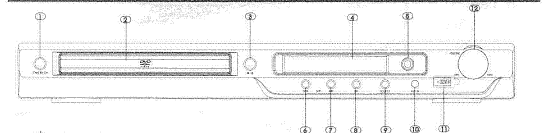
- DVD Home Theater System with attached power cord
- Remote Control
- Instruction Manual
- AV cable
- 2 AAA batteries
- AM and FM Antennas
- FM cable
- Line-in cable

REMOTE CONTROL



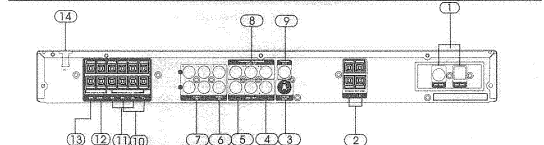
- STANDBY/ON** Press to toggle between Operating and Standby mode.
- GO TO** Displays INFO Menu and direct key to the specific location on a DVD / CD / VCD / SVCD disc to play.
- BOOKMARK** Press to open Bookmark Menu.
- V-SELECT** Press to switch among the different video outputs.
- SUBTITLE** Press to toggle between different subtitles.
- A-B MODE** Press to select different speaker mode among A, B and A+B mode.
A - 2ch mode, the 2ch speakers (L/R) will be activated.
B - 5.1ch mode, the 5.1 speakers (SW/CEN/SR/FR/SFL) will be activated.
A+B - 7.1 mode, both 2ch speakers (L/R) and 5.1 speakers (SW/CEN/SR/FR/SFL) will be activated.
- PLAYMODE** Press to display Playmode Menu to select a different play mode.
- ZOOM/CLEAR** 1) Press repeatedly to select a zooming size while playing a video. 2) Press to clear the information you entered in a setup menu.
- ANGLE/PBC** 1) Press to "toggle" between different angles to view (if present on disc). 2) Press to turn PBC ON or OFF on a VCD/SVCD disc.
- REPEAT** Press to skip backward / forward to the previous or next chapter / track.
■ Press to stop playing.
▶ Press to start playing.
- Active Navigation mode** - Press to navigate in indicated directions for making selections in menus.
2) **Tuner mode** - Press ▲ or ▼ to change the radio frequency.
Press ◀ or ▶ to change the radio channel.
- DVD** 1) Press to select DVD mode. 2) If the USB device is connected to the USB jack on the front panel, press this button and use ▲ or ▼ to select USB content.
- TUNER/AUX** Press to select AV1, AV2, AUX IN and Tuner mode by pressing repeatedly.
- SURROUND** Press to select different surround sound effects among STEREO, PROLOGIC II MOVIE, PROLOGIC II MUSIC, CONCERT, CHURCH, PASSIVE, WIDE, LINE MONO for STEREO contents (2 channels).
Press to select different surround sound effects among DOLBY DIGITAL, MONO and STEREO for playing back a DVD with multichannel audio content like Dolby Digital 5.1.
Note: MONO can only be activated at 5.1ch speakers, the sound of 5 channels (CEN/SR/FR/SFL) will be mixed into single channel and provide the same sound.
- SLEEP** Press to activate a sleep timer for the unit to go into standby mode automatically.
- ONE** Press to select an EQ mode.
- SETUP/EXIT** Press to enter or exit the SYSTEM SETUP Menu.
- MENU** 1) DVD mode - Press to enter the Disc Contents Menu. 2) PBC ON mode - Press to view a VCD disc menu.
- EX BASS** Press to turn EX BASS to Soft Bass, Balance Bass or Powerful Bass.
- OK** Press to confirm the selection and input.
- II** Press to freeze picture and stop the sound during playback.
- ◀▶** Press to search backward or forward.
- TITLE / ROTATE** 1) Press to display the Title Menu if present on disc (DVD mode only). 2) Press to rotate picture when playing picture CDs.
- VOL +** Press to increase or decreases the volume.
- AUDIO/FM ST.** 1) DVD mode - Press to change to a different audio stream. 2) Tuner mode - Press to select Mono or Stereo.
- INFO** Press to display current setting information about the disc that is playing.
- 0-9 (Numeric Keys)** 1) DVD mode - Press to enter title, chapter, track and time search selections. 2) Tuner mode - Press to enter a preset station.
- OPEN/CLOSE** Press to open or close the disc tray.
- MUTE** Press to mute and restore the sound output from the speakers.

FRONT PANEL



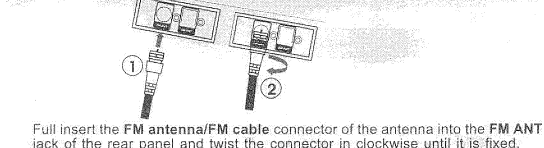
- STANDBY/ON**
- Disc Tray
- ▲ / ■ 1) Opens or closes the disc loading tray in Stop or No Disc mode. 2) Stops playing.
- VFD Display
- Infra-Red Receiver Window
- ◀▶ 1) DVD mode - Press to skip to the previous chapter or track. 2) Tuner mode - Press to tune the channel number down.
▶▶ 1) DVD mode - Press to skip to the next chapter or track. 2) Tuner mode - Press to turn the channel number up.
- ▶ Press to start playback.
- SOURCE** Switches between AV1, AV2, AUX IN, Tuner mode and DVD mode.
- AUX IN** Plug external device with Audio output into this jack to play its sound through this player.
- USB Jack
- VOLUME** Adjust the master volume. Turn clockwise to increase the volume and counter-clockwise to decrease the volume.

REAR PANEL

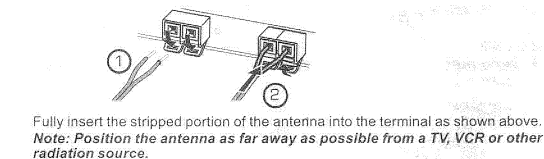


IMPORTANT!
Connect the AC cord only after the speakers, antenna and all optional equipment have been connected.
Never make or change any connections with the power switched on.
The rating plate is located on the rear panel of the system.

- FM antenna/FM cable input connections**
FM reception - Connect the FM antenna or FM cable to the FM jack. Move the antenna in various directions until the clearest signal is received.



Full insert the FM antenna/FM cable connector of the antenna into the FM ANT jack of the rear panel and twist the connector in clockwise until it is fixed.
AM loop antenna connections
AM reception - Connect the AM loop antenna to the AM jack. Position the loop antenna to receive the clearest sound.



Fully insert the stripped portion of the antenna into the terminal as shown above. **Note: Position the antenna as far away as possible from a TV, VCR or other radiation source.**

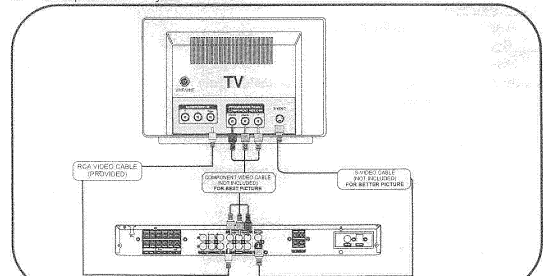
- L/R Speaker**
Connect the 2 channel left and right speaker. When press the A-B MODE in the remote control to select the A mode or the A+B mode, these two speakers are activated.
- S-Video output**
Connect to the S-VIDEO IN jack on the television using an S-Video cable. This type of connection provides superior picture quality.
Note: Your television must be equipped with an S-Video input jack.
- Audio outputs - REC**
Connect audio (Left and Right) cables to external recording devices such as a VCR or cassette recorder.
- Video output - REC**
Connect a VCR or other recording device to this jack. Most DVDs cannot be recorded, however you can use this connection to record from the auxiliary inputs such recording from the satellite receiver.
- Video inputs**
Connect video cables from the corresponding video output jacks on a TV, VCR, or satellite receiver to play them through this home theater system. These connections are labeled AV1 and AV2 and are selected by using the SOURCE button on the front panel or TUNER/AUX button on the remote control.
- Audio inputs**
Connect audio (Left and Right) cables from a VCR, TV or satellite receiver to play them through this home theater system. These connections are labeled AV1 and AV2 and are selected by using the SOURCE button on the front panel or TUNER/AUX button on the remote control.
- Component video and progressive outputs**
Connect a television that has component video input. Use a component video cable.
- Digital coaxial output**
Connect an external device that has a digital audio input jack.

- Front speaker**
Connect the left front speaker to the L terminals and right front speaker to the R terminals. Connect the colored wire to the same coloured terminal and black wire to the black terminal.
- Surround speaker**
Connect the left surround speaker to the SL terminal and right surround speaker to the SR terminal. Connect the colored wire to the same coloured terminal and black wire to the black terminal.
- Subwoofer speaker**
Connect a passive subwoofer, with the colored wire attached to the purple terminal and the black wire attached to the black terminal.
- Center speaker**
Connect the center speaker, with the colored wire attached to the green terminal and the black wire attached to the black terminal.
- Power Cord**
Plug into an electrical outlet.

CONNECTIONS

The following connections show the different video and audio connections to TV, VCR or CD Recorder.
IMPORTANT! Make sure that the AC Voltage matches your local voltage.
Connect the AC cord only after the speakers, antenna, and all optional equipment have been connected.

- Connecting TV**
IMPORTANT!
You only need to make one video connection from the following options, depending on the capabilities of your TV.

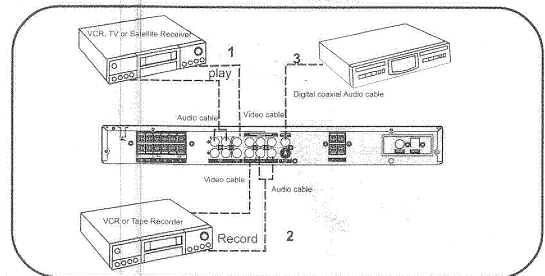


Use the supplied video cable (yellow) to connect the DVD system's VIDEO OUTPUT jack to the VIDEO IN jack on the TV.
Or Use a S-VIDEO cable to connect the DVD system's S-VIDEO OUT jack to the S-VIDEO input jack on the TV.
Or use the component video cables to connect DVD system's Y/Cb/Pb Cr/Pr jacks to the corresponding component video input jacks on the TV.

Notes on Progressive Scan:

- The Progressive scan video quality is only possible when using Y Pb Pr and a progressive scan TV is required.
- Once connected, press P-SELECT to select P-SCAN YPBPR to activate feature.
- Your TV may need adjustment to accept Progressive Scan feeds.

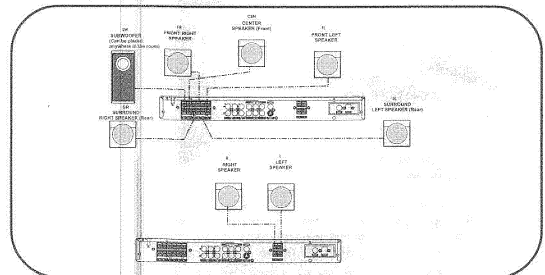
(2) Connecting VCR or Satellite Receiver (Optional)



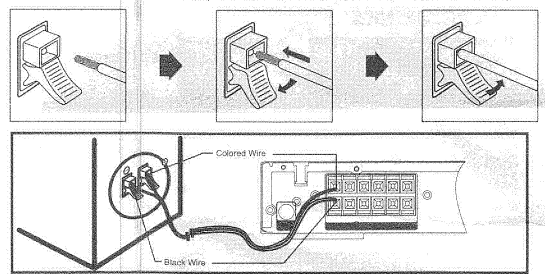
- Listening to the Playback**
To listen the sound from your VCR, TV or Satellite Receiver through the speakers of this unit, only connect the Left / Right audio output of these equipments to the Left / Right audio input jack of this unit.
- If you have an external Dolby Digital or DTS decoder and desire to playback your DVD through external Dolby Digital or DTS decoder, only connect the digital coaxial output jack to the digital coaxial input jack of your decoder. The digital coaxial audio connection cable is not included.

(3) Speaker Connection

Before Connecting
The DVD Home Theater System is designed to reproduce optimum sound quality if you wish to connect other speakers to the system instead of the supplied speakers, they should be 6 ohms impedance for the subwoofer, the center speaker and the 2.0 ch left and right speakers, and 4 ohms impedance for the SR, FR, SL, FL speakers. Ensure correct polarity when connecting speakers (colored wire for matched colour terminal clip). To prevent damage to circuits, never short-circuit the speaker output terminals.



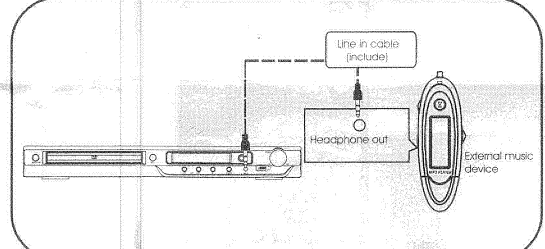
Press the speaker terminal clip down & insert the wire, then release the clip.



Connect all speakers are in the same manner.

- Note:**
- Do not remove excessive amount of insulation on the wire cords to avoid the stripped portion from touching each other. The optimal length for the stripped part should be around 1/3 inch (or 1cm).
 - Do not push the stripped part too far into the speaker connectors.
 - Do not connect more than one speaker to any one pair of speaker terminals.
 - Do not connect speakers with an impedance lower than the speakers supplied.

(4) Audio in connection

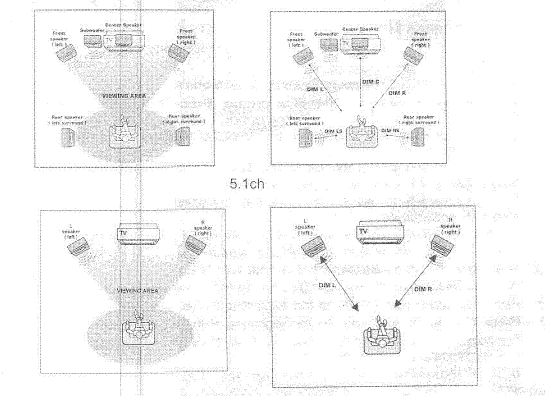


You can use your Home Theatre System to amplify the sound of an external music device. In order to do this, connect the AUX IN jack of this unit to the Headphone output of your music device using a line-in cable (included). Then press TUNER/AUX on the remote control or press the SOURCE on the front panel to select AUX in.

SPEAKER PLACEMENT

Placement of speakers play an important role in the reproduction of surround sound effect.

Particular attention should be taken when designing the speaker layout. For the best surround effects, all speakers should be installed.



- Place the front left and right speakers to the left hand side and right hand side of your TV.
- Place the center speaker above the TV so that the center channel sound is localised.
- Place the surround left and surround right speakers in line with your listening position or behind your listening position. Ideally they should be placed slightly above your ear level while you seat in your normal listening location.
- The subwoofer can be installed for powerful bass sounds when it is placed on the floor. Place the subwoofer on the floor near the TV.
- All speakers should approximately be at the same distance from your listening position and must be visible.

GETTING STARTED

Before Beginning

- Finish the connection for the DVD Home Theater System as shown in the previous section.
- Connect Power to the DVD Home Theater System.
- Turn on the TV and set to the correct video-in channel.
- Insert the batteries in the remote control.

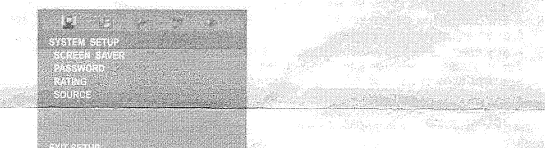
Start Playback

- Press the play key (either on the unit front panel or the remote control). The unit display should light. After a few seconds the play show [NO DISC].
- Press ▲ / ■ on the front panel or ▲ on the remote control. The disc tray will open. Place a DVD in disc tray and press ▲ / ■ on the front panel or ▲ on the remote control (same as disc tray open operation). The disc tray will be closed. The player reads the disc and starts playback. Before the movie starts to play, a menu appears. Select PLAY MOVIE and press OK. The movie starts.
- Although you can watch a movie immediately, to get the best result from this unit, you are suggested to proceed for the Basic setup options first. Complete the following system setup options. This sets up all the functions on your home theater. You only need to do this when you first set up your home theater.

BASIC SETUP

Basic Operation

- Press SETUP/EXIT button on the remote control to enter the System Setup Menu.



- Press ◀ or ▶ to navigate one of these menus: System Setup, Language Setup, Audio Setup, Video Setup or Speaker Setup.
- When any Setup Menu is highlighted, press ▲ or ▼ to select different settings under the menu. Available options for each setting will appear on the right column.
- Press ▶ or OK to move to the right column. Then press ▲ or ▼ to select a new setting. Press OK to confirm the changed setting.
- Repeat step 2 to 4 to change the other settings. For details, please refer to the corresponding chapters under Setting Details Section described below.
- After you have finished making the changes, highlight EXIT SETUP, then press OK -OR- Press SETUP/EXIT again to exit Setup Menu.

Setting Details

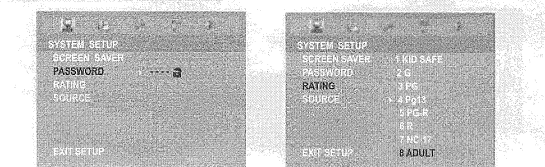
1. SYSTEM SETUP

1.1 SCREEN SAVER



Use this setting to turn the screen saver option ON or OFF. If you turn the screen saver ON, the screen saver image appears when you leave the system in pause or stop mode more than 5 minutes. This saver can protect the TV screen from being damaged.

1.2 PASSWORD and RATING



Many DVD movie discs contain Motion Picture Association rating codes. This Home Theater System will recognize the codes on these disc. The unit provides a method for you to prevent children from viewing films which are not suitable or objectionable.

- KID SAFE:** Only DVD content intended for child can be played back.
- G:** General Audience, recommended as an acceptable for views of all ages.
- PG:** Parental Guidance suggested.
- PG-13:** Material is not suitable for children under age 13.
- PG-R:** Parental guidance recommended - very brief mature language and situations.
- R:** Restricted - violence, adult language and situations unsuitable for young viewers.
- NC-17:** Not recommended viewing for children under age 17.
- ADULT:** Should be viewed only by adults due to graphic sexual material, violence or language.

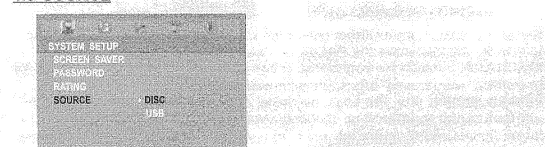
- In SYSTEM SETUP menu, press ▲ or ▼ to highlight Rating, then press ▶.
- Press ▲ or ▼ to highlight a rating level, then press OK.
- Press ▲ or ▼ to highlight Password, then press OK.
- Use the numeric keys (0-9) to enter a four-digit password. If you make a mistake before and pressing, press CLEAR button and enter your 4-digit security code again.

DVD discs that are rated above the level you selected will not play unless you enter correct four-digit password.

- The parental lock is NOT active.
- The Parental lock is active.

- Note:**
- The rating levels are only functional when the parental lock is active.
 - The rating levels can only be changed when the parental lock is not active.

1.3 SOURCE

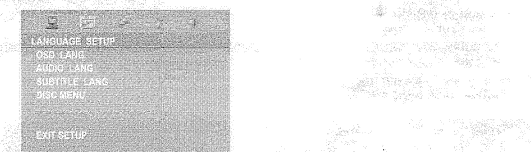


Select the source files that you want to play from Disc and USB. To access files in a USB device, make sure your USB device is connected to the USB jack on the front panel.

- Note:**
- This unit can not support NTFS format. If the USB flash drive does not work on it, please check the USB flash drive file system and format it with FAT or FAT32.
 - Not all MPEG-4 files can be played through the USB jack due to the limited transmission speed.

2. LANGUAGE SETUP

You can select different languages for the Setup Menu. You can also select different languages for audio, subtitle and menu which are recorded on the DVD disc.



OSD LANG: Select the Setup menu language.
AUDIO LANG: Select the audible language heard during playback.
SUBTITLE LANG: Select the subtitle displayed on the TV screen.
DISC MENU: Select the disc menu language.
Note: If the selected language is not recorded on the disc, the disc's default language is selected automatically.

3. AUDIO SETUP

3.1 VOLUME SETUP



Choose the type of video output that matches the video connection between the unit and TV.

- Select the **Volume Setup** and press **OK**. You will hear the calibrating sound from the front left speaker for a few seconds. This sound then moves from speaker to speaker as follows:
 - Subwoofer
 - Front Left
 - Center
 - Rear Right
 - Front Right
 - Rear Left
- If the calibrating sound is either too small or too loud, exit the Volume Setup, then adjust the volume control until the calibrating sound is clearer. Let the calibrating sound cycle through all the speakers at least once.
- If the calibrating sound level from all speakers is approximately the same, no further adjustment is necessary.
- If any speaker sound level appears unbalance to the rest, you can increase or decrease the level of the speaker by pressing **▲** or **▼** to increase or decrease the speaker level when that speaker is highlighted.
- When you have completed the level adjustments, press **OK** to exit the Volume Setup and return to the previous menu.

Note: We recommend to set Volume = 30 before entering this Volume Setup to further calibrating any unbalance speaker level output.

3.2 DYNAMIC RANGE



Dynamic Range Control enables you to control the dynamic range so as to achieve a suitable sound of your equipment.

ON: Loud sound such as explosion is toned down slightly when playback.
OFF: The unit plays back at the recording level on the disc.

3.3 DIGITAL OUTPUT



Choose the type of digital audio output that matches the audio connection between your home theater and the external digital audio decoder.

- SPDIFRAW:** Outputs the audio stream in original/undecoded format.
- SPDIFPCM:** Outputs the audio stream in decoded PCM format.

3.4 PROLOGIC II

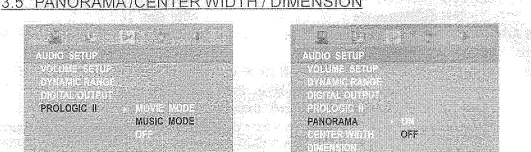


The Dolby Pro Logic II Surround System is a specially encoded 2 channels analog format which will reproduce 5 channels output when a Dolby Pro Logic II Decoder is used.

MOVIE MODE: The Movie mode is for use with stereo television shows and all programs encoded in Dolby Surround. The result is enhanced soundfield directionality that approaches the quality of discrete.

MUSIC MODE: The Music mode is for use with any stereo music recordings, and provides a wide and deep sound stage. The Music mode includes different controls that allow the sound to be tailored to individual listening preference.

3.5 PANORAMA/CENTER WIDTH/DIMENSION



The above options are available only when the player is in Music Mode. These options let you customize the ProLogic II Music Mode Sound Effect.

PANORAMA: Extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side-wall imaging.

CENTER WIDTH: With Pro Logic decoding, dominant center signals can come only from center speaker. If no center speaker is present, the decoder splits the center signals equally to the left and right speakers to create a "phantom" center image. The Center Width allows variable adjustment of the center image so it may be heard only from the center speaker, only from the left/right speakers as a phantom image, or from all three front speakers to varying degrees.

DIMENSION: A simple dial control that alters the ratio of L+R to L-R for the two-channel input signals. It allows the user to gradually adjust the sound field either towards the front or towards the rear. If a recording is too spacious or strong from the surrounds, it can be adjusted "forward" to get a better balance. Likewise, if a stereo recording is somewhat too "mono" or "narrow" sounding, it can be adjusted toward the rear to get a more enveloping, immersing result.

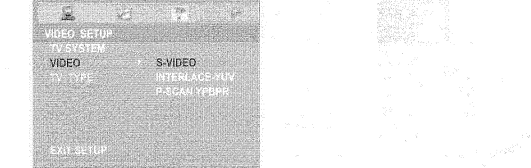
4. VIDEO SETUP

4.1 TV SYSTEM



This player supports different TV outputs, including NTSC and PAL system. You may change the setting of the unit to match your TV.

NTSC: Select this if your TV supports NTSC colour system used in North America.
PAL: Select this if your TV supports PAL colour system used in Europe and Asia.
Note: If your TV supports only NTSC or PAL and had you inadvertently selected the wrong TV type, the TV screen will become flickering and/or black-and-white.



Choose the type of video output that matches the video connection between the unit and TV.

S-VIDEO: Select this if you have connected the unit to your TV using S-Video jack.
INTERLACE-YUV: Select this if you have connected unit to your TV using Y, Pb, Pr video jacks and are not using the progressive scan feature.
P-SCAN VPBPR: Select this if you have connected the unit to your TV using the Y, Pb, Pr video jacks and are using the progressive scan feature.

Note: The type of video output can also be selected directly by pressing **V-SELECT** button on the remote control.

4.2 VIDEO



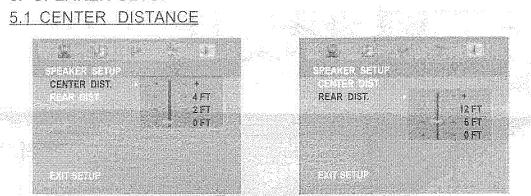
- 4:3 PS:** This is selected when the unit is connected with a normal TV. Wide-screen images are shown on the screen, but with some parts cut automatically.
- 4:3 LB:** This is selected when the unit is connected with a normal TV. Wide-screen images are shown on screen, with black belts on the top and bottom.
- 16:9:** This is selected when the unit is connected with a wide-screen TV.

Note: The actual playing effect depends on the picture recorded in disc. Some discs may not play depending on your selection in this option.

- A disc recorded in 4:3 mode will only play in 4:3.
- The TV TYPE should correspond to the TV screen.

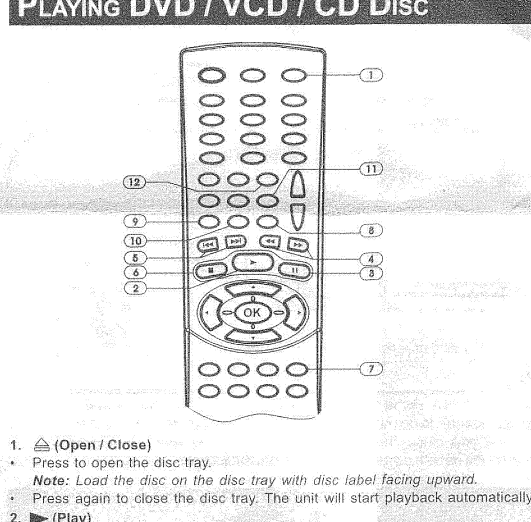
5. SPEAKER SETUP

5.1 CENTER DISTANCE



- If the Center speaker is placed closer to the listening position than the Front speakers, choose **CENTER DIST.** to set the Center distance value to a small number to achieve the best listening effect.
- If the Surround speakers are placed closer to the listening position than the Front speakers, choose **REAR DIST.** to set the Rear distance value to a large number to achieve the best listening effect.

PLAYING DVD / VCD / CD Disc



- (Open / Close)**
 - Press to open the disc tray.
 - Note:** Load the disc on the disc tray with disc label facing upward.
- (Play)**
 - Press again to close the disc tray. The unit will start playback automatically.
- (Pause / Frame-by-Frame Advance)**
 - The image can be frozen and advanced frame by frame.
 - CD:** press **II** to pause the playback. Press **II** again or press **▶** to resume the normal playback.

- DVD/VCD:** press **II** to pause the playback. Press **II** again to go to **STEP III** mode. Each time you press **II**, the video advances one frame.
- Press **▶** to resume playback.

- (Backward / Forward Search, Slow Motion)**
 - Press **◀▶** to search backward or forward. Press **▶** to resume the normal playback.
 - Each time the **▶** or **◀** button is pressed, the speed of slow-motion playback changes accordingly.
- (Skip) to the Beginning of a Chapter / Track**
 - When a disc is playing, you can skip backward / forward a chapter / track.
 - Press the **◀▶** button to skip to the beginning of the previous chapter or track.
 - Press the **▶** button to skip to the beginning of the next chapter or track.
 - For audio CD discs, use the numeric buttons (0-9) on the remote control only to directly jump to a track number.

Note: When operating VCD with the PBC function, the PBC should be set to OFF.

6. (Stop)

- Press **■** once to stop the current playback instantly and enter the Resume Play mode.
- Press **▶** again to resume playback from the point at which you last stopped the disc.
- Press **■** twice to stop playback completely. Resume playback is cancelled.
- Press **▶** again to start playback from the beginning of the disc.

- MENU**
 - Press to display the Disc Menu.
 - Note:** Playback will be stopped to display the menu. For CD, no function. For VCD, it is only available when PBC is set to ON.

- TITLE**
 - Press to display the Title Menu if present on disc (DVD only).
- ZOOM (To Zoom In the Image)**
 - You can magnify pictures during playback.
 - When a disc is playing, press the **ZOOM/CLEAR** button. Each time **ZOOM/CLEAR** button is pressed, the ZOOM settings will be changed as follows:
 - ZOOM x2** → ZOOM x3 → ZOOM x4 → ZOOM x4 → ZOOM x3 → ZOOM x2 → ZOOM OFF.
 - While an image is magnified, you can use **▲**, **▼**, **◀** and **▶** keys to shift the image for viewing.
 - To return to the original normal view, press the **ZOOM/CLEAR** key until the ZOOM OFF shows. The screen will return to normal.
 - When you reach the edge of the image, the display will not shift anymore in that direction.

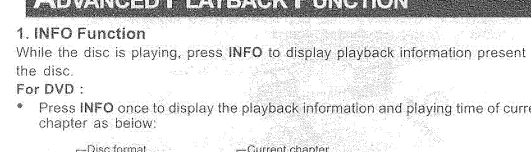
- ANGLE/PBC (To change the Viewing Angle in DVD mode)**
 - You can select different viewing angles when playing a DVD video disc that contains scenes recorded from multiple angles.
 - Press **ANGLE/PBC** repeatedly to select different viewing angles if available on the disc.
 - Note:** This function is only available when the scenes shot from multiple angles have been recorded on the DVD disc. If multi-angle viewing is not available, **ANGLE/PBC** is displayed.

- AUDIO / FM ST (To Change the Audio Language available on the Disc)**
 - During playback, the audio language or audio tracks can be selected.
 - When a disc is playing, press **AUDIO / FM ST** to show the current playback audio track number.
 - Press repeatedly to select the desired audio track.
 - If there is only one audio track available on the disc, the number does not change.
 - There will be no sound output if a DTS audio format is selected when playing the DTS disc.

- SUBTITLE (To change the Subtitle Language available on the Disc)**
 - During playback, you can change the subtitle language or disable the subtitle function.
 - When a disc is playing, press **SUBTITLE** to show the current playback language subtitle.
 - Press repeatedly to select the desired subtitle language.
 - Note:**
 - This function can only be used for discs on which different subtitle languages have been recorded.
 - The number of languages recorded may be different depending on the disc.

ADVANCED PLAYBACK FUNCTION

- INFO Function**
 - While the disc is playing, press **INFO** to display playback information present on the disc.
 - For DVD :**
 - Press **INFO** once to display the playback information and playing time of current chapter as below:
 - Disc format
 - Title
 - Chapter
 - Total chapter
 - Elapsed time
 - Press **INFO** twice to check the remaining time of current chapter.
 - Press **INFO** thrice to check the playing time of current title.
 - Press **INFO** four times to check the remaining time of current title.
 - Press **INFO** five times to further display more playback information as following:
 - 1/2 ENG
 - DX 5.1 CH
 - 1/4
 - Angle



- Repeat Playback**
 - You can play a specific title, chapter or track repeatedly. Press the **PLAYMODE** button to access the play mode menu.
 - Note:** During VCD / SVCD playback, the function is only available when PBC is OFF.
- Random Playback**
 - The chapter in DVD and track in CD can be played in random order.
 - Press the **PLAYMODE** button.

- Repeat Playback**
 - You can play a specific title, chapter or track repeatedly. Press the **PLAYMODE** button to access the play mode menu.
 - Note:** During VCD / SVCD playback, the function is only available when PBC is OFF.
- 5.1 Repeating a Title / Chapter / Track / Whole disc**

- 1.1 Title Info**
 - Displays the Title Number being played and the Total Number of Titles recorded on the disc.
- 1.2 CH (Chapter Info)**
 - Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.
- 1.3 Elapsed time**
 - Displays the elapsed time from the beginning of the title/chapter/disc/track being played.
 - Note:** If there is a "-" displaying in the front of time, then the time will be the remaining time of current title/chapter/disc/track.
- 1.4 Audio**
 - Displays the audio track currently selected.
- 1.5 Language (Subtitle)**
 - Displays the subtitle language currently selected.
- 1.6 Angle**
 - Displays the viewing angle currently selected. When a disc without multi-angle is played, OFF is displayed.
- 1.7 TRK (Track Info)**
 - Displays the Track Number being played and the Total Number of Tracks recorded on the disc.
- 1.8 Unmute Icon**
 - Displays when the sound is unmuted.
- 1.9 Repeat Mode**
 - Displays any repeat mode set.

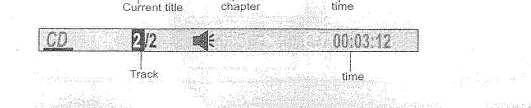
- 2. GOTO function**
 - This function allows you to directly select any point on the disc to start playback.
 - Press **▶** once to stop the current playback instantly and enter the Resume Play mode.
 - Press **▶** again to resume playback from the point at which you last stopped the disc.
 - Press **■** twice to stop playback completely. Resume playback is cancelled.
 - Press **▶** again to start playback from the beginning of the disc.

- 1.1 Title Info**
 - Displays the Title Number being played and the Total Number of Titles recorded on the disc.
- 1.2 CH (Chapter Info)**
 - Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.
- 1.3 Elapsed time**
 - Displays the elapsed time from the beginning of the title/chapter/disc/track being played.
 - Note:** If there is a "-" displaying in the front of time, then the time will be the remaining time of current title/chapter/disc/track.
- 1.4 Audio**
 - Displays the audio track currently selected.
- 1.5 Language (Subtitle)**
 - Displays the subtitle language currently selected.
- 1.6 Angle**
 - Displays the viewing angle currently selected. When a disc without multi-angle is played, OFF is displayed.
- 1.7 TRK (Track Info)**
 - Displays the Track Number being played and the Total Number of Tracks recorded on the disc.
- 1.8 Unmute Icon**
 - Displays when the sound is unmuted.
- 1.9 Repeat Mode**
 - Displays any repeat mode set.

- 2. GOTO function**
 - This function allows you to directly select any point on the disc to start playback.
 - Press **▶** once to stop the current playback instantly and enter the Resume Play mode.
 - Press **▶** again to resume playback from the point at which you last stopped the disc.
 - Press **■** twice to stop playback completely. Resume playback is cancelled.
 - Press **▶** again to start playback from the beginning of the disc.

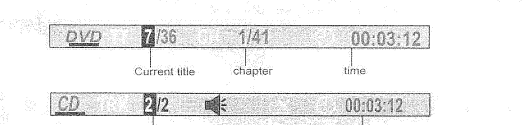
- 1.1 Title Info**
 - Displays the Title Number being played and the Total Number of Titles recorded on the disc.
- 1.2 CH (Chapter Info)**
 - Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.
- 1.3 Elapsed time**
 - Displays the elapsed time from the beginning of the title/chapter/disc/track being played.
 - Note:** If there is a "-" displaying in the front of time, then the time will be the remaining time of current title/chapter/disc/track.
- 1.4 Audio**
 - Displays the audio track currently selected.
- 1.5 Language (Subtitle)**
 - Displays the subtitle language currently selected.
- 1.6 Angle**
 - Displays the viewing angle currently selected. When a disc without multi-angle is played, OFF is displayed.
- 1.7 TRK (Track Info)**
 - Displays the Track Number being played and the Total Number of Tracks recorded on the disc.
- 1.8 Unmute Icon**
 - Displays when the sound is unmuted.
- 1.9 Repeat Mode**
 - Displays any repeat mode set.

- 2. GOTO function**
 - This function allows you to directly select any point on the disc to start playback.
 - Press **▶** once to stop the current playback instantly and enter the Resume Play mode.
 - Press **▶** again to resume playback from the point at which you last stopped the disc.
 - Press **■** twice to stop playback completely. Resume playback is cancelled.
 - Press **▶** again to start playback from the beginning of the disc.



2. GOTO function

This function allows you to directly select any point on the disc to start playback.



- 2.1 Selecting a Specific Title / Chapter / Track**
 - You can select any specific Title / Chapter / Track to start playback by directly selecting the Title / Chapter / Track number.
 - Press **GOTO**.
 - Press **◀** or **▶** to highlight a Title / Chapter / Track and press the corresponding numeric key 0-9.
 - Press **OK** to confirm. The unit will then start playback from the position you select.
 - Note:** Press **ZOOM/CLEAR** to reset the highlighted Title / Chapter / Track.
- 2.2 Locating a Specific Time**
 - You can select any specific location by directly entering the time (hours, minutes, seconds).
 - Press **GOTO**.
 - Press **◀** or **▶** to highlight time.
 - Directly key in the time to start playback using the numeric keys (0-9).
 - The first two digits are the hours.
 - The next two digits are the minutes.
 - The last two digits are the seconds.
 - After entering the time, press **OK** to confirm. The unit will start playback from the time you select.
 - Note:**
 - Some discs may not let you use this function.
 - Some scenes may not be located as precisely as you specified.
 - This method for accessing specific location is available only within the current title of the DVD disc.
 - Press **ZOOM/CLEAR** to reset the time when the time is highlighted.

- 3. Programming Playback**
 - Press the **PLAYMODE** button.
 - When **MODE** is highlighted, use **◀** or **▶** to select **PROG** mode. Then press **OK** to confirm.
 - During VCD / SVCD playback, the function is only available when PBC is OFF.
 - 3.1 DVD Programming**
 - Enter the title numbers in **[■]** (2 digit format, e.g. 01). Use **◀** or **▶** to highlight chapter and enter the chapter numbers in **[■]**.
 - Use **◀**, **▶**, **▲** or **▼** to move to another entry.
 - Repeat the above steps for more inputs.
 - Press **▶** or highlight **PLAY** on the screen and press **OK** to start the programmed playback.
 - Highlight the current input on the screen and press **ZOOM/CLEAR** to delete the title / chapter numbers you input.
 - Note:** Highlight **CLEAR** on the PROG screen and press **OK** to delete all inputs.

- 3.2 CD / VCD / SVCD Programming**
 - Enter the track numbers in **[■]**.
 - Use **◀**, **▶**, **▲** or **▼** to move to another field.
 - Repeat the above steps.
 - Press **▶** or highlight **PLAY** on the screen and press **OK** to start the programmed playback.
 - Highlight the current input on the screen and press **CLEAR** to delete the track you input.
 - Note:**
 - Highlight **CLEAR** on the PROG screen and press **OK** to delete all inputs.
 - The function is only available when PBC is OFF.

- 3.3 Repeat Playback**
 - You can play a specific title, chapter or track repeatedly. Press the **PLAYMODE** button to access the play mode menu.
 - When **MODE** is highlighted, use **◀** or **▶** to select **RANDOM** mode. Then press **OK** to confirm.

- 3.4 Random Playback**
 - The chapter in DVD and track in CD can be played in random order.
 - Press the **PLAYMODE** button.

- 5. Repeat Playback**
 - You can play a specific title, chapter or track repeatedly. Press the **PLAYMODE** button to access the play mode menu.
 - When **MODE** is highlighted, use **◀** or **▶** to select **RANDOM** mode. Then press **OK** to confirm.

- 5.1 Repeating a Title / Chapter / Track / Whole disc**

- 1.1 Title Info**
 - Displays the Title Number being played and the Total Number of Titles recorded on the disc.
- 1.2 CH (Chapter Info)**
 - Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.
- 1.3 Elapsed time**
 - Displays the elapsed time from the beginning of the title/chapter/disc/track being played.
 - Note:** If there is a "-" displaying in the front of time, then the time will be the remaining time of current title/chapter/disc/track.
- 1.4 Audio**
 - Displays the audio track currently selected.
- 1.5 Language (Subtitle)**
 - Displays the subtitle language currently selected.
- 1.6 Angle**
 - Displays the viewing angle currently selected. When a disc without multi-angle is played, OFF is displayed.
- 1.7 TRK (Track Info)**
 - Displays the Track Number being played and the Total Number of Tracks recorded on the disc.
- 1.8 Unmute Icon**
 - Displays when the sound is unmuted.
- 1.9 Repeat Mode**
 - Displays any repeat mode set.

- 2. GOTO function**
 - This function allows you to directly select any point on the disc to start playback.
 - Press **▶** once to stop the current playback instantly and enter the Resume Play mode.
 - Press **▶** again to resume playback from the point at which you last stopped the disc.
 - Press **■** twice to stop playback completely. Resume playback is cancelled.
 - Press **▶** again to start playback from the beginning of the disc.

- 1.1 Title Info**
 - Displays the Title Number being played and the Total Number of Titles recorded on the disc.
- 1.2 CH (Chapter Info)**
 - Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.
- 1.3 Elapsed time**
 - Displays the elapsed time from the beginning of the title/chapter/disc/track being played.
 - Note:** If there is a "-" displaying in the front of time, then the time will be the remaining time of current title/chapter/disc/track.
- 1.4 Audio**
 - Displays the audio track currently selected.
- 1.5 Language (Subtitle)**
 - Displays the subtitle language currently selected.
- 1.6 Angle**
 - Displays the viewing angle currently selected. When a disc without multi-angle is played, OFF is displayed.
- 1.7 TRK (Track Info)**
 - Displays the Track Number being played and the Total Number of Tracks recorded on the disc.
- 1.8 Unmute Icon**
 - Displays when the sound is unmuted.
- 1.9 Repeat Mode**
 - Displays any repeat mode set.

- 2. GOTO function**
 - This function allows you to directly select any point on the disc to start playback.
 - Press **▶** once to stop the current playback instantly and enter the Resume Play mode.
 - Press **▶** again to resume playback from the point at which you last stopped the disc.
 - Press **■** twice to stop playback completely. Resume playback is cancelled.
 - Press **▶** again to start playback from the beginning of the disc.

- 1.1 Title Info**
 - Displays the Title Number being played and the Total Number of Titles recorded on the disc.
- 1.2 CH (Chapter Info)**
 - Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.
- 1.3 Elapsed time**
 - Displays the elapsed time from the beginning of the title/chapter/disc/track being played.
 - Note:** If there is a "-" displaying in the front of time, then the time will be the remaining time of current title/chapter/disc/track.
- 1.4 Audio**
 - Displays the audio track currently selected.
- 1.5 Language (Subtitle)**
 - Displays the subtitle language currently selected.
- 1.6 Angle**
 - Displays the viewing angle currently selected. When a disc without multi-angle is played, OFF is displayed.
- 1.7 TRK (Track Info)**
 - Displays the Track Number being played and the Total Number of Tracks recorded on the disc.
- 1.8 Unmute Icon**
 - Displays when the sound is unmuted.
- 1.9 Repeat Mode**
 - Displays any repeat mode set.

- 2. GOTO function**
 - This function allows you to directly select any point on the disc to start playback.
 - Press **▶** once to stop the current playback instantly and enter the Resume Play mode.
 - Press **▶** again to resume playback from the point at which you last stopped the disc.
 - Press **■** twice to stop playback completely. Resume playback is cancelled.
 - Press **▶** again to start playback from the beginning of the disc.

- 1.1 Title Info**
 - Displays the Title Number being played and the Total Number of Titles recorded on the disc.
- 1.2 CH (Chapter Info)**
 - Displays the Chapter Number being played and the Total Number of Chapters recorded on the disc.
- 1.3 Elapsed time**
 - Displays the elapsed time from the beginning of the title/chapter/disc/track being played.
 - Note:** If there is a "-" displaying in the front of time, then the time will be the remaining time of current title/chapter/disc/track.
- 1.4 Audio**
 - Displays the audio track currently selected.
- 1.5 Language (Subtitle)**
 - Displays the subtitle language currently selected.
- 1.6 Angle**
 - Displays the viewing angle currently selected. When a disc without multi-angle is played, OFF is displayed.
- 1.7 TRK (Track Info)**
 - Displays the Track Number being played and the Total Number of Tracks recorded on the disc.
- 1.8 Unmute Icon**
 - Displays when the sound is unmuted.
- 1.9 Repeat Mode**
 - Displays any repeat mode set.

- 2. GOTO function**
 - This function allows you to directly select any point on the disc to start playback.
 - Press **▶** once to stop the current playback instantly and enter the Resume Play mode.
 - Press **▶** again to resume playback from the point at which you last stopped the disc.
 - Press **■** twice to stop playback completely. Resume playback is cancelled.
 - Press **▶** again to start playback from the beginning of the disc.

8.2 Treble / Bass Control

- Press **TONE** once, then press **OK**. The Treble Control is enabled.
- Press **4** or **▶** to switch to the Bass Control.

BASS 0 **TREBLE 0**

- Press **▲** or **▼** to adjust the Treble / Bass Level.

BASS +5 **TREBLE -3**

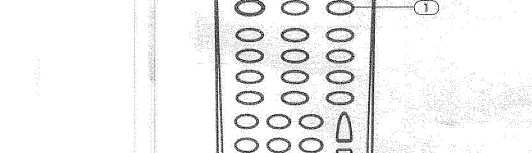
9. SLEEP function

This feature lets you select a time for your home theater to switch to the Standby mode automatically.

- 9.1 Setting the sleep timer**
 - Press **SLEEP** on the remote control repeatedly to cycle through the following sleep timer options:
 - SLEEP: 30 MINUTES
 - SLEEP: 60 MINUTES
 - SLEEP: 90 MINUTES
 - SLEEP: 120 MINUTES
 - Press **GOTO** to confirm. The unit will then start playback from the position you select.
- 9.2 Checking the remaining sleep time**
 - When the Sleep timer is switched on, you can check the remaining time before your home theater switches to Standby mode. Press **SLEEP** once and the remaining time is displayed.
- 9.3 Cancelling the sleep timer**
 - To switch off the Sleep Timer, press **SLEEP** repeatedly until **SLEEP OFF** is displayed.

PLAYING MP3/WMA/JPEG/MPEG4

- 1. (Open / Close)**
 - Press to open the disc tray.
 - Note:** Load the disc on the disc tray with disc label facing upward.
- 2. (Play)**
 - Press again to close the disc tray. Playback will start automatically.
- 3. (Pause)**
 - Press to pause playback.
 - Press **II** again or **▶** to resume normal playback.
- 4. (Track / Picture)**
 - Press to skip a track or picture backward or forward.
- 5. (Stop)**
 - Press to stop playback.
 - Press to display the selection menu during playback (for JPEG file only).
 - Press **▶** to resume normal playback.
- 6. ROTATE (for JPEG file only)**
 - During the playback of JPEG files, press **ROTATE** to rotate the picture.
- 7. ZOOM / CLEAR**
 - Press to zoom in picture during JPEG file slideshow or MPEG4 playback.
 - CLEAR**
 - Press to delete the information you input.
- 8. Active Navigation**
 - Press to select a file and press **OK** to start playback.



- 1. (Open / Close)**
 - Press to open the disc tray.
 - Note:** Load the disc on the disc tray with disc label facing upward.
- 2. (Play)**
 - Press again to close the disc tray. Playback will start automatically.
- 3. (Pause)**
 - Press to pause playback.
 - Press **II** again or **▶** to resume normal playback.
- 4. (Track / Picture)**
 - Press to skip a track or picture backward or forward.
- 5. (Stop)**
 - Press to stop playback.
 - Press to display the selection menu during playback (for JPEG file only).
 - Press **▶** to resume normal playback.
- 6. ROTATE (for JPEG file only)**
 - During the playback of JPEG files, press **ROTATE** to rotate the picture.
- 7. ZOOM / CLEAR**
 - Press to zoom in picture during JPEG file slideshow or MPEG4 playback.
 - CLEAR**
 - Press to delete the information you input.
- 8. Active Navigation**
 - Press to select a file and press **OK** to start playback.

- 1**