Home Theater System
with 5 Disc DVD Changer
HT-P29

Instruction Manual
## Safety Warnings

**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.

### 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.

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 (3~4 inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the Home Theater to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.

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.

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.

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

**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.
Features

Multi-Disc Playback & FM Tuner
The HT-P29 combines the convenience of multi-disc playback capability, including DVD, VCD, CD, MP3-CD, CD-R/RW, and DVD-R/RW, with a sophisticated FM tuner, all in a single player.

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.

TV Screen Saver Function
The HT-P29 automatically brightens and darkens your TV screen after 3 minutes in the stop mode.
The HT-P29 automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

Power Saving Function
The HT-P29 automatically shuts itself off after 20 minutes in the stop mode.

Customized TV Screen Display
The HT-P29 allows you to select your favorite image during JPEG, DVD or VCD playback and set it as your background wallpaper.

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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.)

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 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.

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.

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.

V I D E O
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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.)

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 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.

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.
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Description

—Front Panel—

Power ( ) button
Disk Tray
Function button
Stop (■) button
Direct Play buttons
Disc Change button
Volume buttons
Open/Close button
Tuning Up & Skip (▶) buttons
Tuning Down & Skip (◀) buttons
Play/Pause (▶■) button

—Rear Panel—

External Audio Device Input Connector
5.1 Channel Speaker Output Terminals
Cooling Fan
External Video Device Input/Output Connectors
COMPONENT VIDEO OUTPUT Connectors
FM Antenna Connector

Accessories

- Remote Control
- Video Cable
- FM Antenna
- User’s Manual
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.

Position of the Home Theater

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

Front Speakers

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

Center Speaker

- 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

- 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 3 feet) above your ear, facing slightly downward.
- Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

Subwoofer

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

Connecting the Speakers

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

**Note**
- Connect the red cord to the red (+) terminal and the black cord to the black (-) terminal.
Connecting the Video Out to TV
Choose one of the two methods for connecting to a TV.

**METHOD 1** Composite Video — (Good Quality)
- Connect the supplied video cable from the VIDEO OUT jack on the back panel of the system to the VIDEO IN jack on your TV.

**METHOD 2** Component — (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**
- After connecting the Home Theater to your TV, set the input on your TV so the signal from the Home theater appears on your TV screen.
- When the Progressive scan mode is selected, the VIDEO output do not feed any signal.

---

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 PSCAN, “PSCAN” will appear on the display.

---

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

#### Interlaced Scan (1 FRAME = 2 FIELDS)

- 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.

#### Progressive Scan (FULL FRAME)

- 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.
Connecting External Components

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

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

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

3. Press AUX on the remote control or main unit to select ‘AUX’.
   • ‘AUX’ appears in the display.

Connecting the FM Antenna

1. Connect the FM antenna supplied to the FM 75Ω COAXIAL terminal.

2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

Cooling Fan

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

Please observe the following cautions for your safety.

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

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

To Operate your Samsung TV and the Home Theater with the HT-P29’s Remote Control

1. Plug the main unit’s power cord into the AC power supply.
2. Press MODE button until the TV indicator lights.
3. Press the POWER button to turn on the TV.
4. Press TV/VIDEO button to select VIDEO mode.
5. Press the MODE button until the DVD RECEIVER indicator lights.
6. Press FUNCTION button on the main unit or DVD on the remote to select DVD/CD mode.

Note

- Buttons Enabled for TV Operation: POWER, CHANNEL, VOLUME, TV/VIDEO and Numeric (0-9) buttons.
- By default, the remote control is set to work with Samsung TVs. See page 59 for more information remote control operation with other manufacturer’s TVs.

Disc terminology

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”.

<table>
<thead>
<tr>
<th>DVD</th>
<th>DVD</th>
<th>DVD</th>
<th>DVD</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE 1</td>
<td>TITLE 1</td>
<td>TITLE 2</td>
<td>TITLE 2</td>
</tr>
<tr>
<td>CHAPTER 1</td>
<td>CHAPTER 2</td>
<td>CHAPTER 3</td>
<td>CHAPTER 1</td>
</tr>
</tbody>
</table>

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”.

<table>
<thead>
<tr>
<th>CD</th>
<th>CD</th>
<th>CD</th>
<th>CD</th>
<th>CD</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRACK 1</td>
<td>TRACK 2</td>
<td>TRACK 3</td>
<td>TRACK 4</td>
<td>TRACK 5</td>
</tr>
</tbody>
</table>

Note

- In this manual, the instructions marked with "DVD (DVD)" are applicable to DVD-VIDEO, and DVD-R/RW discs.
- Depending on the content of the disc, the initial screen may appear different.
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.

   * Playback starts automatically.

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.

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.

Selecting the Video Format

Turn off the main unit and then press NT/PAL.

- By default, the video format is set to ”NTSC”.
- Each time the button is pressed, the video format switches between ”NTSC” and ”PAL”.
- Each country has a different video format standard.
- For normal playback, the video format of the disc must be the same as the video format of your TV.
**MP3-CD Playback**

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

**OPERATION**

1. Press the OPEN/CLOSE button to open the disc tray, and then load the MP3/WMA disc.
   - The MP3/WMA menu screen will appear and playback will start.
   - The appearance of the menu depends on the MP3/WMA disc.

2. In Stop mode, use ▲ ▼ to select the album, and then press the ENTER button.
   - To select another album and track, repeat Steps 2 and 3 above.

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.
   - The appearance of the menu depends on the MP3/WMA disc.

**To play different file types on the same disc**

1. In Stop mode, press the ▲ ▼ buttons and select a desired icon from the top part of the menu.
   - To play music files only, select the Music File Icon.
   - To play image files only, select the Image File Icon.
   - To play movie files only, select the Movie File Icon.
   - To select all files, select the All File Icon.

2. Select the desired file and then press the ENTER button.
   - The file will play.

**Note**

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

**Note**

- This product does not support DivX, AVI and WMV format files and no icon will appear on the TV screen. (However, MPG format file is supported.)
JPEG File Playback

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

Slide Mode

1. Place the JPEG disc on the disc tray.
2. Press the OPEN/CLOSE button. Choose the appropriate JPEG disc in the tray.
3. Press SLIDE MODE button.

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

<table>
<thead>
<tr>
<th>SLIDE SHOW MODE</th>
<th>Transition</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODE : 1</td>
<td>From top to bottom</td>
</tr>
<tr>
<td>MODE : 2</td>
<td>From bottom to top</td>
</tr>
<tr>
<td>MODE : 3</td>
<td>Rectangular shape in the center</td>
</tr>
<tr>
<td>MODE : 4</td>
<td>Vertical blinds effect</td>
</tr>
<tr>
<td>MODE : 5</td>
<td>Each time a new image is displayed, slide modes (1-11) will be applied randomly and automatically.</td>
</tr>
<tr>
<td>MODE : 6</td>
<td>Cancels the slide mode.</td>
</tr>
<tr>
<td>MODE : 7</td>
<td>Press ▶ to skip to the next slide.</td>
</tr>
<tr>
<td>MODE : 8</td>
<td>Press ◀ to view the previous slide.</td>
</tr>
<tr>
<td>MODE : 9</td>
<td>Press ■ to stop the slide.</td>
</tr>
<tr>
<td>MODE : 10</td>
<td>Press □ to select the desired image and then press ENTER button.</td>
</tr>
<tr>
<td>MODE : 11</td>
<td>Press △ to select the desired image and then press ENTER button.</td>
</tr>
<tr>
<td>MODE : RAND</td>
<td>Press □ to select the desired image and then press ENTER button.</td>
</tr>
<tr>
<td>MODE : NONE</td>
<td>Press □ to select the desired image and then press ENTER button.</td>
</tr>
</tbody>
</table>

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 ▶ and ◀.

Rotate/Flip Function

Press Cursor ▲, ▼, ◀, ▶ buttons during playback.

JPEG limitation

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

There is no file size limitation.

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

Screen Display

<table>
<thead>
<tr>
<th>DVD</th>
<th>VCD</th>
<th>CD</th>
<th>MP3</th>
<th>JPEG</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD display</td>
<td>VCD display</td>
<td>CD display</td>
<td>MP3 CD display</td>
<td>JPEG display</td>
</tr>
<tr>
<td>TITLE display</td>
<td>CHAPTER display</td>
<td>TRACK (FILE) display</td>
<td>SUBTITLE display</td>
<td></td>
</tr>
<tr>
<td>ELAPSED TIME display</td>
<td>REPEAT FLUXBOX display</td>
<td>AUDIO LANGUAGE display</td>
<td>ANGLE display</td>
<td></td>
</tr>
<tr>
<td>LR STEREO (L/R) display</td>
<td>DVD display</td>
<td>VCD display</td>
<td>CD display</td>
<td></td>
</tr>
</tbody>
</table>

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 DOLBY DIGITAL, or PRO LOGIC.

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

<table>
<thead>
<tr>
<th>DVD</th>
<th>VCD</th>
<th>CD</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE ELAPSED</td>
<td>TRACK ELAPSED</td>
<td>TRACK ELAPSED</td>
</tr>
<tr>
<td>TITLE REMAIN</td>
<td>TRACK REMAIN</td>
<td>TRACK REMAIN</td>
</tr>
<tr>
<td>CHAPTER ELAPSED</td>
<td>TOTAL ELAPSED</td>
<td>TOTAL REMAIN</td>
</tr>
<tr>
<td>CHAPTER REMAIN</td>
<td>TRACK REMAIN</td>
<td>TRACK REMAIN</td>
</tr>
<tr>
<td>TOTAL REMAIN</td>
<td>TRACK REMAIN</td>
<td>TRACK REMAIN</td>
</tr>
</tbody>
</table>

You can view disc playback information on the TV screen.
**Fast/Slow Playback**

### Fast Playback

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

- 2x
- 4x
- 8x
- 16x
- 32x
- 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
- 1/16
- 1/32
- PLAY

#### VCD

- 1/2
- 1/4
- 1/8
- 1/16
- 1/32
- PLAY

#### Note

- Reverse slow playback does not work with VCD.

**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**

- When watching a VCD with a track longer than 15 minutes, each time [← → → →] is pressed, playback will skip back or forward 5 minutes.
Repeat Playback

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

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

Replay Playback Options
- CHAPTER
  Repeatedly plays the selected chapter.
- TITLE
  Repeatedly plays the selected title.
- 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.

A-B Repeat Playback

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

1. Press INFO button twice.
2. Press Cursor button to move to REPEAT PLAYBACK ( ) display.
3. Press Cursor , buttons to select A-B and then press ENTER button at the beginning of the desired segment.
4. Press ENTER button at the end of the desired segment.

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

Note
- Repeat playback operation is not possible with version 2.0 VCD discs if PBC is turned on. To use Repeat Playback on a VCD with PBC, you should set the PBC to OFF in the disc menu. (See page 35.)
- For MP3 and JPEG discs, you cannot select Repeat playback from the information display screen.

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

**DVD**

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

**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 or step motion playback.

### Angle Function

**DVD**

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

1. Press INFO button.
2. Press Cursor button to move to ANGLE (ANGLE) display.
3. Press Cursor ▲, ▼ or numeric buttons to select the desired angle.

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

### Zoom (Screen Enlarge) Function

**DVD**

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

1. Press ZOOM button.
2. Press Cursor ▲, ▼, ◀, ◁ buttons to move to the area you want to enlarge.
3. Press ENTER button.

**Note**
- 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.

**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.
### Selecting Audio/Subtitle Language

**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.

**Subtitle Language Selection Function (DVD)**

1. Press INFO button twice.
2. Press Cursor ▼ button to move to SUBTITLE ( ) display.
3. Press Cursor ▼ button or numeric buttons to select the desired subtitle.

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

### Moving Directly to a Scene/Song

**Moving to a Title/Track**

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

**Moving to a Chapter**

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

**Moving to a Specific Time**

5. Press Cursor ▼, ▼ buttons to move to time display.
6. Press the numeric buttons to select the desired time and then press ENTER button.

**Note**
- You can press ▶▶ to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.
Using 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 playing a VCD (version 2.0), this toggles between PBC ON and OFF.

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

   - 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.

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.

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

Note

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

PBC (Playback Control) Function

When playing a VCD (version 2.0), you can select and view various scenes according to the menu screen.

PBC ON: This VCD disc is version 2.0. The disc is played back according to the menu screen. Some functions may be disabled. When some functions are disabled, select "PBC OFF" to enable them.

PBC OFF: This VCD disc is version 1.1. The disc is played back in the same way as with a music CD.
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.

Note

• To select another language, select OTHER and enter the language code of your country.
  (See page 64 for language codes)
  AUDIO, SUB TITLE and DISC MENU language can be selected.

Press RETURN button to return to the previous level.
Press MENU button to exit the setup screen.
Setting TV Screen type

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

1. In Stop mode, press **MENU** button.
2. Press Cursor ▼ button to move to ‘Setup’ and then press **ENTER** button.
3. Press Cursor ▼ button to move to ‘TV DISPLAY’ and then press **ENTER** button.
4. Press Cursor ▼ button to select the desired item and then press **ENTER** button.

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

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

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

---

Adjusting the TV Aspect Ratio (Screen Size)

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

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

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

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

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

---
Setting Parental Controls (Rating Level)

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

1. In Stop mode, press MENU button.

2. Press Cursor ▼ button to move to ‘Setup’ and then press ENTER button.

3. Press Cursor ◀ button to move to ‘PARENTAL’ and then press ENTER button.

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

5. Enter the password and then press ENTER button.

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

Setting the Password

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

1. Press MENU button.

2. Press Cursor ▼ button to move to ‘Setup’ and then press ENTER button.

3. Press Cursor ▼ button to move to ‘PASSWORD’ and then press ENTER button.

4. Press ENTER button.

5. Enter the password and then press ENTER button.

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

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. “RESET” 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.

Note

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

Enter the password and then press ENTER button.

Note

• The password is set to “7890” by default.
Setting the Wallpaper

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

1. During playback, press PLAY/PAUSE button when an image you like appears.
2. Press LOGO button.
   - "COPY LOGO DATA" will be displayed on the TV screen.
3. The power will turn off and then back on.
   - The selected wallpaper will be displayed.
   - You can select up to 3 wallpaper settings.

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

1. In Stop mode, press MENU button.
2. Press Cursor ▼ button to move to ‘Setup’ and then press ENTER button.
3. Press Cursor ▼ button to move to ‘LOGO’ and then press ENTER button.
4. Press ▼ to select the desired ‘USER’, and then press ENTER.
5. Press MENU button to exit the setup screen.

Press RETURN button to return to the previous level.

Press MENU button to exit the setup screen.
Setting the Speaker Mode

Signal outputs and frequency responses from the speakers will automatically be adjusted according to your speaker configuration and whether certain speakers are used or not.

1 In Stop mode, press MENU button.

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

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

4 Press Cursor ▲, ▼, ◄, ► buttons to move to the desired speaker and then press ENTER button.
   - For C, LS, and RS, each time the button is pressed, the mode switches alternately as follows: SMALL ➔ NONE.
   - For L and R, the mode is set to SMALL.

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

Note
• Depending on PRO LOGIC and STEREO settings, the speaker mode may vary (see page 53).

Setting the Test Tone

Use the Test Tone feature to check the speaker connections.

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

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

3 Press Cursor ▼ button to move to 'TEST TONE' and then press ENTER button.
   • The test tone will be sent to L ➔ C ➔ R ➔ RS ➔ LS ➔ SW in order. If the ENTER button is pressed again at this time, the test tone will stop.

Press RETURN button to return to the previous level.

Press MENU button to exit the setup screen.

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

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

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

Multi-Channel Pro Logic Mode

L: Front Speaker (L) C: Center Speaker SW: Subwoofer R: Front Speaker (R) LS: Rear Speaker (L) RS: Rear Speaker (R)
Setting up the Speaker Delay Time

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

Note

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

Setting the Delay Time

In Stop mode, press MENU button.

Press Cursor button to move to ‘Audio’ and then press ENTER button.

Press Cursor button to move to ‘DELAY TIME’ and then press ENTER button.

Press Cursor to set the Delay time.

You can set the delay time for C between 00 and 05mSEC and for LS and RS between 00 and 15mSEC.

Distance between Df and Dc Delay Time

Distance between Df and Ds Delay Time

Setting CENTER SPEAKER

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

Setting REAR (SURROUND) SPEAKERS

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

It is desirable to place all speakers within this circle.

Df: The distance from FRONT SPEAKER
Dc: The distance from CENTER SPEAKER
Ds: The distance from SURROUND SPEAKER
Setting the Audio
You can adjust the balance and level for each speaker.

Method 1 When adjusting the audio quality using the setup screen

1. In Stop mode, press MENU button.
2. Press Cursor ▼ button to move to ‘Audio’ and then press ENTER button.
3. Press Cursor ▼ button to move to ‘SOUND EDIT’ and then press ENTER button.
4. Press Cursor ▲▼ buttons to select and adjust the desired item. Press the ▼▼ buttons to adjust the settings.

Press RETURN button to return to the previous level.
Press MENU button to exit the setup screen.

Method 2 When manually adjusting with the SOUND EDIT button

Adjusting Front Speaker Balance
1. Press SOUND EDIT button and then press Cursor ▼▼.

Adjusting Rear Speaker Balance
2. Press SOUND EDIT button and then press Cursor ▼▼.

Adjusting Center Speaker Level
3. Press SOUND EDIT button and then press Cursor ▼▼.

Adjusting Rear Speaker Level
4. Press SOUND EDIT button and then press Cursor ▼▼.

Adjusting Subwoofer Speaker Level
5. Press SOUND EDIT button and then press Cursor ▼▼.

Note • The adjustments will appear on the main unit’s display, not on your TV screen.

Adjusting Front/Rear Speaker Balance
• You can select between 00 and –06 and OFF.
• The volume decreases as you move closer to –6.

Adjusting Center/Rear/Subwoofer Speaker Level
• The volume level can be adjusted in steps from +6dB to –6dB.
• The sound gets louder as you move closer to +6dB and quieter as you get closer to –6dB.

ENG 50
Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.

1. In Stop mode, press MENU button.

2. Press Cursor button to move to ‘Audio’ and then press ENTER button.

3. Press Cursor button to move to ‘DRC’ and then press ENTER button.

4. Press Cursor buttons to adjust the ‘DRC’.
   - When the Cursor button is pressed, the effect is greater, and when the Cursor button is pressed, the effect is smaller.

Press RETURN button to return to the previous level.
Press MENU button to exit the setup screen.

AV SYNC Setup

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

1. Press the MENU button.

2. Press Cursor buttons to move to ‘Audio’ and then press ENTER button.

3. Press Cursor buttons to move to ‘AV-SYNC’ and then press ENTER button.

4. Press Cursor buttons to select the AV-SYNC Delay Time and then press the ENTER button.
   - You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

Press RETURN button to return to the previous level.
Press MENU button to exit the setup screen.
Dolby Pro Logic II Mode

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

Press \( \text{PL II MODE} \) button.
- Each time the button is pressed, the mode changes as follows.

- MUSIC
- CINE
- DPL
- DPL II
- MATRIX
- STR

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

Dolby Pro Logic II Effect

This function works only in Dolby Pro Logic MUSIC mode.

1. Press \( \text{PL II MODE} \) button to select ‘MUSIC’ mode.

2. Press \( \text{PL II EFFECT} \) button to select Panorama, then press Cursor \( \downarrow, \uparrow \) buttons to select the desired effect setting.
- You can select either 0 or 1.
- This mode extends the front stereo image to include the surround speakers for an exciting “wraparound” effect with side wall imaging.

3. Press \( \text{PL II EFFECT} \) button to select C-Width, then press Cursor \( \downarrow, \uparrow \) buttons to select the desired effect setting.
- You can select between 0 and 7.
- The higher the setting, the less sound comes from the center speaker.

4. Press \( \text{PL II EFFECT} \) button to select Dimension, then press the Cursor \( \downarrow, \uparrow \) buttons to select the desired setting.
- You can select between 0 and 6.
- Incrementally adjusts the sound field (DSP) from the front or rear.

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

PRO LOGIC II
- MUSIC: When listening to music, you can experience sound effects as if you are listening to the actual performance.
- CINEMA: Adds realism to the movie soundtrack.
- PRO LOGIC: You will experience a realistic multi-channel effect, as if using five speakers, while using just the front left and right speakers.
- MATRIX: You will hear 5.1 channel surround sound.
- STEREO: Select this to listen to sound from the front left and right speakers and the subwoofer only.
Listening to Radio

Remote Control Unit

1. Press TUNER button.
   - FM will appear in the display.

2. Tune in to the desired station.
   - Press TUNING/CH button to select a channel.

Automatic Tuning 1
- When "FM" is pressed, a preset broadcast station is selected.

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

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

Main Unit

1. Press the Function button to select the FM.

2. Select a broadcast station.
   - Press the STOP ( ) button to select PRESET and then press button to select the preset station.
   - Press the STOP ( ) button to select "MANUAL" and then press and hold button to automatically search the band.

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

Pressing MO/ST button to listen in Mono/Stereo.
- Each time the button is pressed, the sound switches between "STEREO" and "MONO".
- In a poor reception area, select MONO for a clear, interference-free broadcast.

Presetting Stations

You can store up to:
- 15 FM stations

Example: Presetting FM 89.1 in the memory

1. Press the TUNER button.
2. Press TUNING/CH to select "89.10".
3. Press the TUNER MEMORY button.
4. Press button to select preset number.
   - You can select between 1 and 15.
5. Press the TUNER MEMORY button again.
6. To preset another station, repeat steps 2 to 5.

Note
- If you save more than 15 stations, the oldest station previously saved is removed and a new station is stored in its place.

Pressing STOP ( ) button to select preset.
- "FM 01" flashes in the display.

To tune in to a preset station, press button on the remote control to select a channel.
Convenient Functions

### Sleep Timer Function
You can set the time that the Home Theater will shut itself off.

Press SLEEP button.

- "SLEEP" will be displayed. Each time the button is pressed, the preset time changes as follows: 10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF.

To confirm the sleep timer setting, press SLEEP button.
- The remaining time before the Home Theater will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

To cancel the sleep timer, press SLEEP button until OFF appears on the display.

### Adjusting Display Brightness
You can adjust the brightness of the display on the main unit so it won’t interfere with your movie viewing.

Press DIMMER button.

- Each time the button is pressed, the brightness changes as follows: DARK → BRIGHT.

### Mute Function
This is useful when answering a doorbell or telephone call.

Press MUTE button.

- ‘MUTE’ flash in the display.
- To switch the sound back on (at the same volume as before), press MUTE again or the VOLUME buttons.
Operating a TV with the Remote Control

When operating a TV with the remote control

1. Press the MODE button to make the TV indicator on the remote control flash.

2. Press POWER button to turn on the TV.

3. Point the remote control toward the TV.

4. While holding down POWER, enter the code corresponding to your brand of TV.
   - If the code matches the TV’s code, the TV will be turned off.
   - If there is more than one code listed for your TV in the table, enter one at a time to determine which code works.
   - Example: For a Samsung TV
     While holding down POWER, use the number buttons to enter 00, 01, 02, 03, 04, and 05.
   - You can use the TV POWER, VOLUME, CHANNEL, and Numeric buttons (0~9).

5. Point the remote control toward the TV and press POWER. If the TV turns off or on, the setting is complete.
   - The remote control may not work on some brands of TVs.
   - Also, depending on your brand of TV, some operations may not be possible.
   - If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.

TV Brand Code List

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<td>PIONEER</td>
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Note

- The remote control may not work on some brands of TVs.
- Also, depending on your brand of TV, some operations may not be possible.
- If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.
### Before Calling for Service

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

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Check/Remedy</th>
</tr>
</thead>
</table>
| Disc tray does not open.                    | • Is the power cord plugged securely into the outlet?  
• Turn off the power and then turn it back on.                                                                                                      |
| Playback does not start.                    | • Check the region number of the DVD. DVD discs purchased from abroad may not be playable.  
• CD-ROMs and DVD-ROMs cannot be played on this Home Theater.  
• Make sure that the region number is correct.                                                                                                        |
| Playback does not start immediately when the Play/Pause button is pressed. | • Are you using a deformed disc or a disc with scratches on the surface?  
• Wipe the disc clean.                                                                                                                                  |
| Sound is not produced.                      | • No sound is heard during fast playback, slow playback, and step motion playback.  
• Are the speakers connected properly? Is the speaker setup correctly customized?  
• Is the disc severely damaged?                                                                                                                          |
| Sound can be heard only from a few speakers and not all six. | • When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select “PRO LOGIC II” by pressing DOLBY PRO LOGIC II on the remote control to use all six speakers.  
• Make sure that the DVD disc is 5.1-CH compatible.  
• If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL. |
| Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later. | • Was the Home Theater suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on.  
(You can use the player again after condensation disappears.)                                                                                           |
| Dolby Digital 5.1 CH Surround Sound is not produced. | • Is there “Dolby Digital 5.1 CH” mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound.  
• Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?                                                            |

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Check/Remedy</th>
</tr>
</thead>
</table>
| • Disc is rotating but no picture is produced. | • Is the TV power on?  
• Are the video cables connected properly?  
• Is the disc dirty or damaged?  
• A poorly manufactured disc may not be playable.                                                                                                        |
| • Picture quality is poor and picture is shaking. |                                                                                   |
| The remote control does not work.            | • Is the remote control being operated within its operation range of angle and distance?  
• Are the batteries exhausted?                                                                                                                             |
| Audio language and subtitles do not work.    | • Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.                                                                             |
| Menu screen does not appear even when the menu function is selected. | • Are you using a disc that does not contain menus?                                                                                                      |
| Aspect ratio cannot be changed.              | • You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function. |
| Can’t receive radio broadcast.               | • Is the antenna connected properly?  
• If the antenna’s input signal is weak, install an external FM antenna in an area with good reception.                                                                                               |
| • The main unit is not working.            | • Turn off the power and hold the button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary. |
| (Example: The power goes out or strange noise is heard.) |                                                                                   |
| • The Home Theater is not working normally. |                                                                                   |
| The password for rating level has been forgotten. | • While “NO DISC” message appears on the display of main unit, hold the main unit’s button for longer than 5 seconds. “RESET” 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. |

### MISCELLANEOUS

- Turn off the power and hold the button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.

- Is the power cord plugged securely into the outlet?
- Turn off the power and then turn it back on.
- Check the region number of the DVD. DVD discs purchased from abroad may not be playable.
- CD-ROMs and DVD-ROMs cannot be played on this Home Theater.
- Make sure that the rating level is correct.
- Are you using a deformed disc or a disc with scratches on the surface?
- Wipe the disc clean.
- No sound is heard during fast playback, slow playback, and step motion playback.
- Are the speakers connected properly? Is the speaker setup correctly customized?
- Is the disc severely damaged?
- When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select “PRO LOGIC II” by pressing DOLBY PRO LOGIC II on the remote control to use all six speakers.
- Make sure that the DVD disc is 5.1-CH compatible.
- If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL.
- Was the Home Theater suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
- Is there “Dolby Digital 5.1 CH” mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound.
- Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?
### Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause skipping. Be especially careful not to scratch discs when handling them.

**Handling discs**

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

**Disc Storage**

- Do not keep in direct sunlight
- Keep in a cool, ventilated area
- Keep in a clean protection jacket. Store vertically.

**Handling and Storing Discs**

- When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.
  - When cleaning, wipe gently from the inside to the outside of the disc.

**Cautions on Handling and Storing Discs**

- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

### Language Code List

Enter the appropriate code number for the initial settings “Disc Audio”, “Disc Subtitle” and/or “Disc Menu” (See page 37).

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<th>Code</th>
<th>Language</th>
<th>Code</th>
<th>Language</th>
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## Specifications

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<tr>
<td></td>
<td>Pr:0.70V\text{p-p}(75\Omega \text{ load})</td>
</tr>
<tr>
<td></td>
<td>Pb:0.70V\text{p-p}(75\Omega \text{ load})</td>
</tr>
<tr>
<td>Amplifier</td>
<td></td>
</tr>
<tr>
<td>Front speaker output</td>
<td>100W x 2(4\Omega)</td>
</tr>
<tr>
<td>Center speaker output</td>
<td>100W(4\Omega)</td>
</tr>
<tr>
<td>Rear speaker output</td>
<td>100W x 2(4\Omega)</td>
</tr>
<tr>
<td>Subwoofer speaker output</td>
<td>100W(4\Omega)</td>
</tr>
<tr>
<td>Frequency range</td>
<td>20Hz~20KHz</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>75dB</td>
</tr>
<tr>
<td>Channel separation</td>
<td>50dB</td>
</tr>
<tr>
<td>Input sensitivity</td>
<td>(AUX)400mV</td>
</tr>
<tr>
<td>Speaker System</td>
<td>5.1ch speaker system</td>
</tr>
<tr>
<td>Front/Center/Rear speaker</td>
<td>85dB/W/M</td>
</tr>
<tr>
<td>Subwoofer speaker</td>
<td>85dB/W/M</td>
</tr>
<tr>
<td>Impedance</td>
<td>4\Omega x 5</td>
</tr>
<tr>
<td>Frequency range</td>
<td>145Hz~20KHz</td>
</tr>
<tr>
<td>Output sound pressure level</td>
<td>85dB/W/M</td>
</tr>
<tr>
<td>Rated input</td>
<td>100W</td>
</tr>
<tr>
<td>Maximum input</td>
<td>200W</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>98 x 98 x 100 mm</td>
</tr>
<tr>
<td>Weights</td>
<td>0.5 Kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Memo</th>
<th></th>
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<tbody>
<tr>
<td>Weight</td>
<td>3.6 Kg</td>
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