

SAMSUNG

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ELECTRONICS



SAMSUNG ELECTRONICS AMERICA INC.
105 CHALLENGER ROAD, RIDGEFIELD PARK,
NJ 07660 U.S.A.

DVD PLAYER
DVD-C601

US

FOR YOUR NEAREST SAMSUNG
SERVICE CENTER
DIAL 1-800-SAMSUNG
AH68-00719M

Precautions



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



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



This symbol indicates important instructions accompanying the product.

CAUTION: DVD PLAYERS USE AN INVISIBLE LASER BEAM WHICH CAN CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE PLAYER CORRECTLY AS INSTRUCTED.

CAUTIONS

Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

FCC NOTE (for U.S.A):

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect this equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This class B digital apparatus meets all requirements of the Canadian Interference -- Causing Equipment Regulations.

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

Precautions

WARNING

To reduce the risk of fire or shock hazard, do not expose this DVD player to rain or moisture.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVER AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Note:

- This unit can be used only where the power supply is AC 120V, 60Hz. It cannot be used elsewhere.
- This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, the DVD player cannot play the disc.
- This device is protected by U.S. patent numbers 4,631,603, 4,577,216 and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

Handling Cautions

- Before connecting other components to this player, be sure to turn them all off.
- Do not move the player while a disc is being played, or the disc may be scratched or broken, and the player's internal parts may be damaged.
- Do not put a flower vase filled with water or any small metal objects on the player.
- Be careful not to put your hand into the disc tray.
- Do not place anything other than the disc in the disc tray.
- Exterior interference such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the player off and on again with the POWER button, or disconnect and then reconnect the AC power cord to the AC power outlet. The player will operate normally.
- Be sure to remove the disc and turn off the player after use.
- Disconnect the AC power cord from the AC outlet when you don't intend to use the player for long periods of time.
- Clean the disc by wiping in a straight line from the inside to the outside of the disc.

Disc Storage

Be careful not to harm the disc because the data on these discs is highly vulnerable to the environment.

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

Maintenance of Cabinet

For safety reasons, be sure to disconnect the AC power cord from the AC outlet.

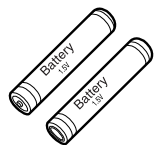
- Do not use benzene, thinner, or other solvents for cleaning.
- Wipe the cabinet with a soft cloth.

Before You Start

Accessories



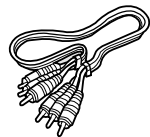
Remote Control



Batteries for Remote Control (AA Size)



User's Manual



Video/Audio Cable

Install Batteries in the Remote

- 1 Open the battery cover on the back of the remote.
- 2 Insert two AA batteries. Make sure that the polarities (+ and -) are aligned correctly.
- 3 Replace the battery cover.

If remote doesn't operate properly:

- Check the polarity + - of the batteries (Dry-Cell)
- Check if the batteries are drained.
- Check if remote sensor is blocked by obstacles.
- Check if there is any fluorescent lighting nearby.

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SETUP

CONNECTIONS

BASIC FUNCTIONS

ADVANCED FUNCTIONS

CHANGING SETUP MENU

REFERENCE

General Features

DVD Changer

The DVD Changer holds 5 discs and provides full random play with fast disc changes.

Excellent Sound

Dolby Digital, a technology developed by Dolby Laboratories provides crystal clear sound reproduction.

Screen

Both regular(4:3) and widescreen(16:9) pictures can be viewed.

Slow Motion

An important scene can be viewed in slow motion.

Programmed Play

You can program tracks to play in desired order.



COPY PROTECTION

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

Parental Control

The parental control allows users to set the level necessary to prohibit children from viewing harmful movies such as those with violence, adult subject matter, etc.

Various On-Screen Menu Functions

You can select various languages(Audio/Subtitle) and screen angles while enjoying movies.

Repeat

You can repeat a song or movie simply by pressing the REPEAT button.

Disc Type and Characteristics

This DVD player is capable of playing the following types of discs with the corresponding logos:

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
	Audio + Video	5"	Single-sided 240 min. Double-sided 480 min.	<ul style="list-style-type: none"> • DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. • Various screen and audio functions can be easily selected through the on-screen menu.
		3 1/2"	Single-sided 80 min. Double-sided 160 min.	
	Audio + Video	5"	74 min.	<ul style="list-style-type: none"> • Video with CD sound, VHS quality & MPEG-1 compression technology.
		3 1/2"	20 min.	
	Audio	5"	74 min.	<ul style="list-style-type: none"> • CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		3 1/2"	20 min.	

* CD-ROM, CD-I, CD-R and DVD-ROM discs cannot be played in this unit! (CDGs play audio only, not graphics.)

Disc Markings



• Play Region Number



• NTSC broadcast system in U.S.A, Canada, Korea, Japan, etc.



• Dolby Digital disc



• Stereo disc



• Digital Audio disc



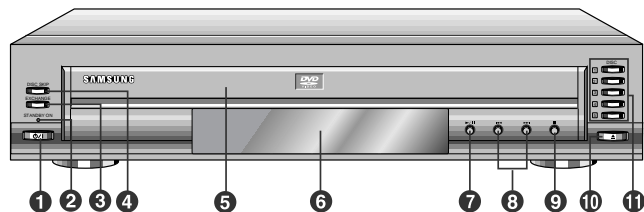
• DTS disc

Play Region Number

Both the DVD player 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.

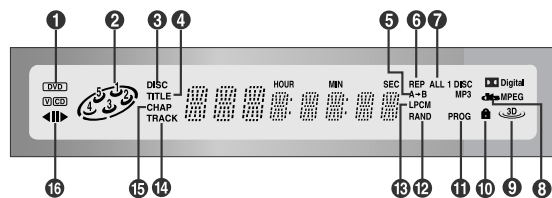
The Region Number for this player is described on the rear panel of the player.

Description-Front Panel



Front Panel Controls

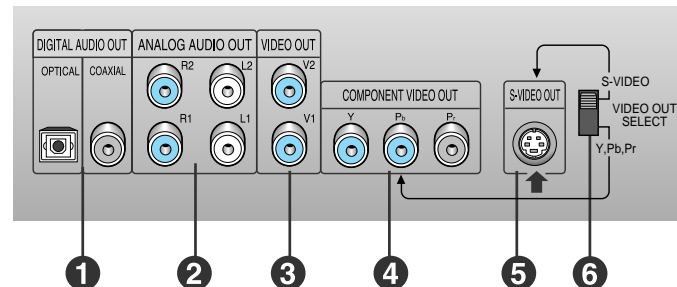
- | | |
|---|---|
| <p>1 STANDBY / ON</p> <ul style="list-style-type: none"> Use to turn your player on and off (standby). <p>2 STANDBY LAMP</p> <ul style="list-style-type: none"> When the unit is first plugged in, the indicator lights. When power is pressed on, the lamp goes out. <p>3 EXCHANGE</p> <ul style="list-style-type: none"> Press this button when you want to change a disc without stopping playback of the current disc. <p>4 DISC SKIP</p> <ul style="list-style-type: none"> Use to skip a disc in order. <p>5 DVD CHANGER(TRAY)</p> <ul style="list-style-type: none"> Press OPEN/CLOSE to open and close the disc changer. | <p>6 FRONT DISPLAY</p> <ul style="list-style-type: none"> Operation indicators are displayed here. <p>7 PLAY/PAUSE</p> <ul style="list-style-type: none"> Begin or pause disc play. <p>8 SKIP/SEARCH</p> <ul style="list-style-type: none"> Use to skip or search a scene or music. <p>9 STOP</p> <ul style="list-style-type: none"> Stops disc play. <p>10 OPEN/CLOSE</p> <ul style="list-style-type: none"> Press to open and close the disc tray. <p>11 DISC SELECT</p> <ul style="list-style-type: none"> Use to select the desired disc loaded in the DVD CHANGER. |
|---|---|



Front Panel Display

- | | |
|---|---|
| <p>1 DISC TYPE INDICATOR</p> <p>2 DVD CHANGER INDICATOR</p> <p>3 DISC INDICATOR</p> <p>4 TITLE INDICATOR</p> <p>5 A-B REPEAT INDICATOR</p> <p>6 REPEAT INDICATOR</p> <p>7 ALL REPEAT INDICATOR</p> <p>8 DTS INDICATOR</p> | <p>9 3D SOUND INDICATOR</p> <p>10 PARENTAL LEVEL INDICATOR</p> <p>11 PROGRAM PLAY INDICATOR</p> <p>12 RANDOM INDICATOR</p> <p>13 LINEAR PCM INDICATOR</p> <p>14 TRACK INDICATOR</p> <p>15 CHAPTER INDICATOR</p> <p>16 OPERATION INDICATOR</p> |
|---|---|

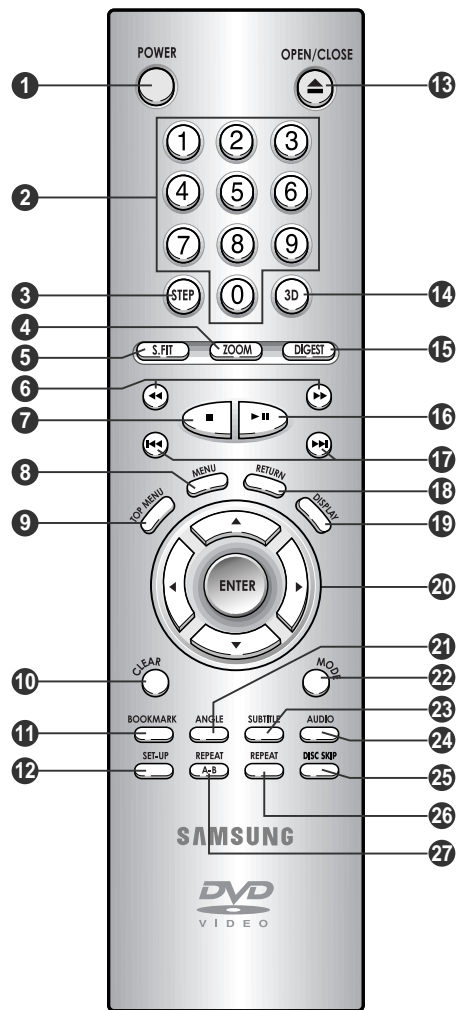
Description-Rear Panel



Rear Panel

- 1** **DIGITAL AUDIO OUT JACKS**
- Use either an optical or coaxial digital cable to connect to a compatible Dolby Digital receiver. Use to connect to an A/V Amplifier that contains a Dolby Digital or DTS decoder.
- 2** **ANALOG AUDIO OUT JACKS**
- Connect to the Audio input jacks of your television, audio/video receiver, or VCR.
- 3** **VIDEO OUT JACKS**
- Use a video cable to connect to the Video input jack on your television.
- 4** **COMPONENT VIDEO OUT JACKS**
- Use these jacks if you have a TV with Component Video in jacks. These jacks provide Pr, Pb and Y video. Along with S-Video, Component Video provides the best picture quality. The Y, Pb, Pr must be selected in the VIDEO OUT SELECT.
- 5** **S-VIDEO OUT JACK**
- Use the S-Video cable to connect this jack to the S-Video jack on your television for a higher quality picture. The S-Video must be selected in the VIDEO OUT SELECT.
- 6** **VIDEO OUT SELECT SWITCH**
- Use the switch to set video out.
 - If Y, Pb or Pr is selected, S-Video will not work.
 - If S-Video is selected, Y, Pb or Pr will not work.

Tour of the Remote Control



Tour of the Remote Control

DVD Function Buttons

- 1 DVD POWER Button
- 2 NUMBER Buttons
- 3 STEP Button
 - Advances play one frame at a time.
- 4 ZOOM Button
- 5 S.FIT Button
- 6 SEARCH Buttons
 - Allows you to search forward/backward through a disc.
- 7 STOP Button
- 8 MENU Button
 - Brings up the Disc menu.
- 9 TOP MENU Button
 - Accesses a music or video menu display directly.
- 10 CLEAR Button
 - Use to remove menus or status displays from the screen.
- 11 BOOKMARK Button
- 12 SETUP Button
 - Brings up the DVD player's Setup menu.
- 13 OPEN/CLOSE Button
- 14 3D SOUND Button
- 15 DIGEST Button
- 16 PLAY/PAUSE Button
 - Begin/Pause disc play.
- 17 SKIP Buttons
 - Use to skip the title, chapter, or track.
- 18 RETURN Button
 - Returns to a previous menu.
- 19 DISPLAY Button
 - Displays the current disc mode.
- 20 ENTER/DIRECTION Button (UP/DOWN or LEFT/RIGHT buttons)
- 21 ANGLE Button
 - Use to access various camera angles on a DVD.
- 22 MODE Button
 - Allows you to program a specific order.
- 23 SUBTITLE Button
- 24 AUDIO Button
 - Use this button to access various audio functions on a disc.
- 25 DISC SKIP
 - Use to skip a disc in order.
- 26 REPEAT Button
 - Allows you to repeat play a title, chapter, track, or disc.
- 27 A-B REPEAT Button
 - Use to mark a segment to repeat between A and B.

SETUP

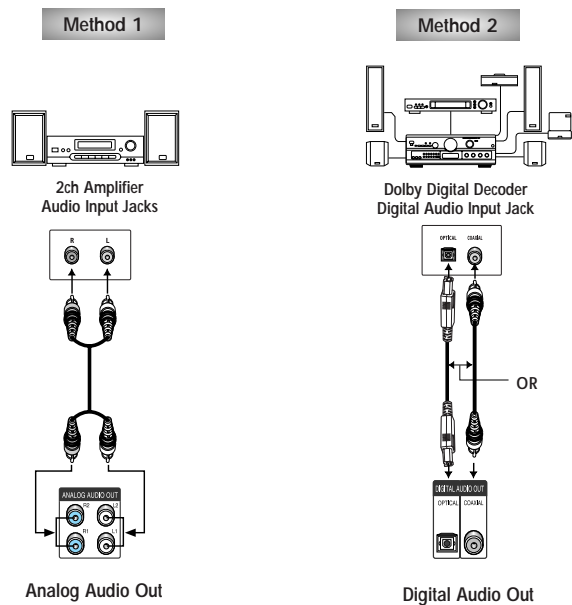
Choosing a Connection

The following show examples of connections commonly used to connect the DVD player with a TV and other components.

Before Connecting the DVD Player

- Always turn off the DVD player, TV, and other components before you connect or disconnect any cables.
- Refer to the owner's manual of the additional components you are connecting for more information on those particular components.

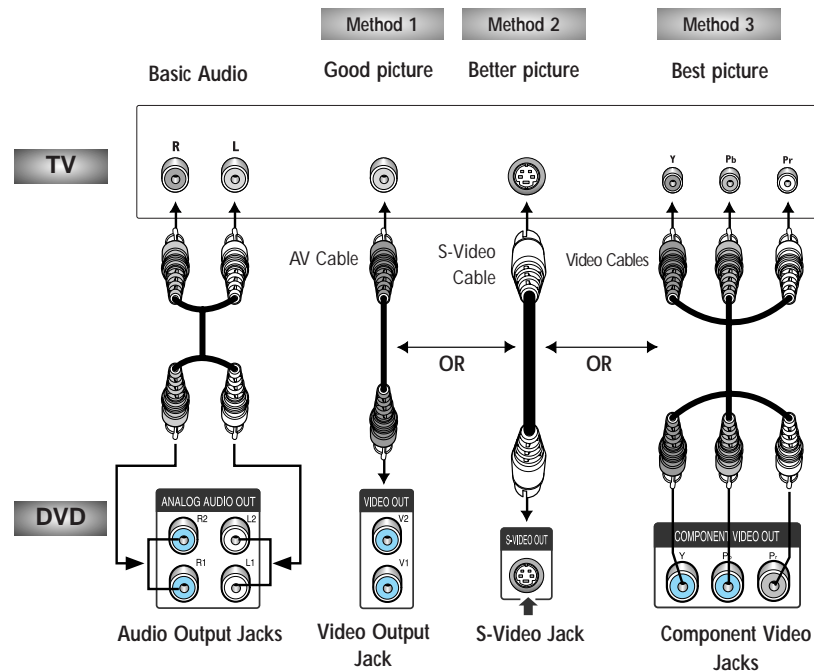
Connection to an Audio System



Choosing a Connection

Connection to a TV (For Video)

TV (Normal, Widescreen, Projection, etc..)



- **Method 1** DVD Player + TV with Video Input Jack
- **Method 2** DVD Player + TV with S-Video Input Jack
(If S-Video is selected in the VIDEO OUT SELECT.)
- **Method 3** DVD Player + TV with Component Video Jacks
(If Y, Pb or Pr is selected in the VIDEO OUT SELECT.)

NOTE

- If Y, Pb or Pr is selected, S-Video will not work.
- If S-Video is selected, Y, Pb or Pr will not work.

Playing a Disc

Before Play

- Turn on your TV and press the TV/VIDEO button to select the video mode.
- Turn on your Audio System and select AUX, CD or DVD.

After plugging in the player, the first time you press the DVD POWER button, this screen comes up :

If you want to select the language, press a NUMBER button. (This screen will only appear the very first time you plug in the player.)



Play

- 1 Press the OPEN/CLOSE button.
The STANDBY indicator light goes out and the tray opens.
- 2 Place a disc gently into the tray with the disc's label facing up.
- 3 Press the PLAY/PAUSE button or OPEN/CLOSE button to close the disc tray.
- 4 Stopping Play.
Press the STOP button during play.
- 5 Removing Disc.
Press the OPEN/CLOSE button.
- 6 Pausing Play.
Press the PLAY/PAUSE or STEP button on the remote during play.
 - Screen stops, no sound.
 - To resume again, press PLAY/PAUSE button once again.

Playing a Disc

7 Step Motion Play (Except CD).

- Press the STEP button on the remote during play.
- Each time the button is pressed, a new frame will appear.
 - No sound is heard during STEP mode.
 - Press PLAY/PAUSE to resume normal play.
(You can only perform step motion play in the forward direction.)


8 Slow Motion Play (Except CD).

- Press the FWD SEARCH(▶▶) or REV SEARCH(◀◀) button on the remote during PAUSE or STEP mode.
- By pressing the FWD or REV SEARCH button, you can select slow motion play for 1/8, 1/4 or 1/2 of normal speed.
 - No sound is heard during slow mode.
 - Press PLAY/PAUSE to resume normal play.
 - When playing a VCD, the reverse slow motion play will not work.

RESUME function

When you stop disc play, the player remembers where you stopped, so when you press PLAY again, it will pick up where you left off (unless the disc is removed, the STOP button is pressed twice or the player is unplugged.).

NOTE

- If the player is left for 5 minutes in pause mode, it will stop.
- If the player is left in the stop mode for more than one minute without any user interaction, a screen saver will be activated, and the TV screen will fade in and out repeatedly. Press the PLAY button to resume normal play.
- This  icon indicates an invalid button press.

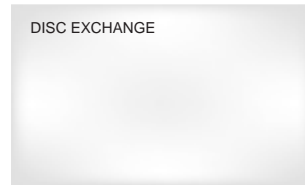
Operating the Disc Changer

The DVD Changer holds 5 discs and provides full random play with fast disc changes.

Exchanging Discs

Exchange allows you to change up to 4 discs except the disc currently playing.

- 1 Press the EXCHANGE button on the front of the player when in the play mode. The tray opens with two slots available for you to load or change discs.
- 2 Press the DISC SKIP button on the remote or on the front of the player to turn the platter to the other two slots. Load or change the third and fourth discs.
 - To change all the discs, first press the STOP button, then the OPEN/CLOSE and DISC SKIP buttons.
- 3 Press the EXCHANGE, OPEN/CLOSE or the desired number's DISC SELECT button on the front of the player to close the disc tray.



Using the DISC SKIP function

Use the Disc Skip function to change to another of the discs currently in the disc platter.

- 1 While in play or stop mode, press the DISC SKIP button. The platter turns clockwise to the next available disc.
- 2 To directly select a disc, press the desired number of the DISC SELECT buttons on the front of the unit to play back the disc in the desired number's slot.
 - Empty disc slots are automatically skipped during disc skip.

Using the Search & Skip Functions

During play, you can search quickly through a chapter or track or use the skip function to jump to the next selection.

Searching through a Chapter or Track

- 1 During play, press the FWD(▶▶) or REV SEARCH(◀◀) button on the remote.
 - Press the REVERSE or FORWARD SEARCH button on the remote and press again to search at a faster speed on the DVD, VCD and CD.
 - To return to normal speed play, press the PLAY/ PAUSE button.

NOTE

DVD	2X, 4X, 8X, 16X, 32X, 128X
VCD	4X, 8X
CD	2X, 4X, 8X

Skipping Tracks

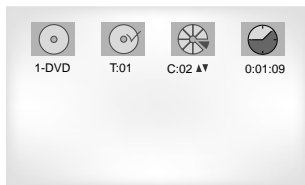
- 2 During play, press the NEXT SKIP(▶▶) or BACK SKIP(◀◀) button.
 - When playing a DVD, if you press the NEXT SKIP button, it moves to next chapter. If you press the BACK SKIP button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.
 - When playing a VCD 2.0 in MENU OFF mode, a VCD 1.1 or a CD, if you press the NEXT SKIP button, it moves to next track. If you press the BACK SKIP button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.
 - If a track exceeds 15 minutes when playing a VCD and you press the NEXT SKIP button, it moves forward 5 minutes. If you press the BACK SKIP button, it moves backward 5 minutes.
 - When playing a VCD 2.0 in the MENU MODE or Track View function, if you press the NEXT SKIP button, it moves to the next MENU or the next Track View display. If you press the BACK SKIP button, it moves to the previous MENU or the previous Track View display. (See page 24.)

Using the Display Function

Repeat Play

When Playing a DVD

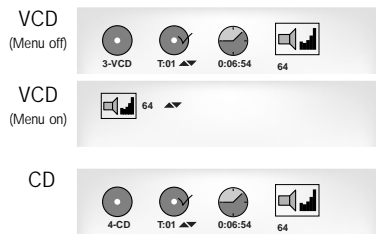
- During play, press the DISPLAY button on the remote.
 - Current title, chapter number and elapsed time will be displayed.
 - Use the LEFT/RIGHT buttons to select a title or a chapter number. Use the UP/DOWN button or Number buttons to enter a different title or chapter number, then press the ENTER button.
 - To enter the time from which you want to start, use the LEFT/RIGHT buttons to select, then use the Number buttons to enter the time. Then press the ENTER button.



- Press the DISPLAY button on the remote twice.
 - Current audio, subtitle and volume control will appear.
 - To make the screen disappear, press the DISPLAY button again.

When Playing a CD/VCD

- During play, press the DISPLAY button on the remote.
 - Current track number, elapsed time and volume control will be displayed.
 - Use the LEFT/RIGHT buttons to select a track. Use the UP/DOWN button or Number buttons to enter a different track number, then press the ENTER button.
 - To enter the time from which you want to start, use the LEFT/RIGHT buttons to select, then use the Number buttons to enter the time. Press the ENTER button.
- To make the screen disappear, press the DISPLAY button again.



NOTE

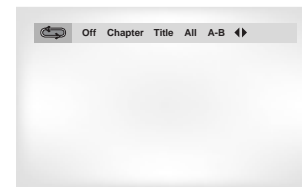
- What is a Chapter?
Each Title on a DVD is usually divided into chapters (similar to tracks on an audio CD).
- What is a Title?
A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.

Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.

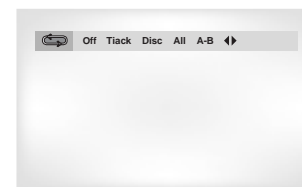
When playing a DVD

- Press the REPEAT button on the remote. Repeat screen appears.
- Select Chapter, Title or A-B using the LEFT/RIGHT buttons.
- Press ENTER.
 - For A-B Repeat
 - Press the REPEAT button. Select A-B on screen with the LEFT/RIGHT buttons or press the A-B button on the remote.
 - Press ENTER at the point where you want the repeat play to start (A). The B is automatically highlighted.
 - Press ENTER at the point where you want the repeat play to stop (B).
 - You can also set REPEAT A-B by pressing the REPEAT A-B button at the start point(A), and pressing again at the end point(B).
- To return to normal play, press REPEAT again, then press the LEFT/RIGHT buttons to select Off and press ENTER.

DVD



VCD/CD



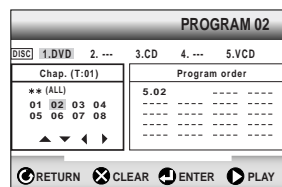
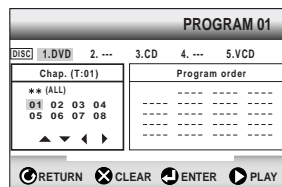
NOTE

- DVD repeats play by chapter or title, CD and VCD repeat play by disc or track.
- Depending on the disc, the Repeat function may not work.
- If the title or track is completed before marking the end (B), the end of title or track becomes B automatically.
- When in VCD 2.0 mode (MENU ON mode), this function does not work.
- When setting A-B repeat, you must wait a few seconds after setting A to set B.

Program Play & Random Play

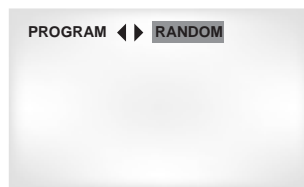
Program Play (DVD/VCD/CD)

- 1 Press the MODE button.
- 2 Use the LEFT/RIGHT buttons to select PROGRAM. Press the ENTER button. All discs in the unit will be read first.
- 3 Use the LEFT/RIGHT buttons to select the first chapter (or track) to add to the program. Press the ENTER button. The selection numbers appear in the Program Order box.
- 4 Press the PLAY/PAUSE button. The disc will be played in programmed order.
 - Use the DISC SKIP key to program another disc.



Random Play (DVD/VCD/CD)

- 1 Press the MODE button.
- 2 Use the LEFT/RIGHT buttons to select RANDOM. Press the ENTER button.
- 3 Press Left/Right buttons to select All discs or Disc. The disc(s) will be played in random order.



NOTE

- Depending on the disc, the Program and Random Play function may not work.
- When in VCD 2.0 mode (MENU ON mode), these functions do not work.
- To resume normal play, press the CLEAR button.
- Random Play can be operated only in the same disc format (only in CDs or in DVDs)

S.FIT Play

Screen Fit Play

- 1 Press Screen FIT button on remote control.
 - Allows you to eliminate the black bars on the top and bottom of the screen when a movie is playing in the Widescreen format(16:9).
 - Screen Fit will not work when the Zoom mode is active. (you can not remove the black bars on the screen) However, Zoom mode will work when Screen Fit is active.



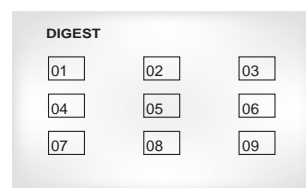
NOTE

- Various aspect ratios are available only in multiple screen format discs.
- This function does not work when a DVD has been recorded in a multi-camera angle format.
- On some DVDs, the black bars cannot be eliminated due to their aspect ratio.

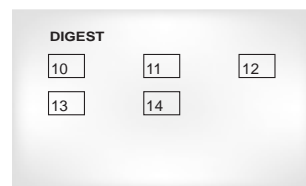
Digest Play

Digest Play

- 1 During play, Press the DIGEST button.
 - You'll see the 9 individual windows representing each of the chapters on the TV screen.
 - When each window is displayed, the first 3 seconds of the chapter will be played.
- 2 Press Up/Down/LEFT/RIGHT buttons to select the window you'd like to see, and press the ENTER button.
 - Up to 9 windows(chapters) can be displayed on the screen at a time.
Press the 'Skip' button for the next 9 chapters if the movie has more than 9.



skip button



NOTE

- You can play the DVD player starting with the desired chapter after directly moving to the scene you want.
- 'DIGEST' may not operate depending on the disc in use.

Slow Repeat play

This feature allows you slowly repeat scenes containing sports, dancing, musical instruments being played etc. so you can study them more closely.

When playing a DVD

- 1 Press the PLAY/PAUSE button.
- 2 Press the F/SEARCH button to choose the play speed between 1/8X, 1/4X, and 1/2X of normal.
- 3 Press the REPEAT (A-B) button to select the point where you want slow Repeat to start (A).
- 4 Press the REPEAT (A-B) button to select the point where you want slow Repeat to start (B).

NOTE

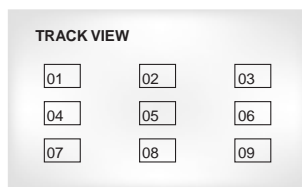
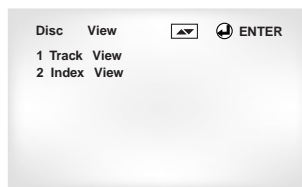
- The disc will play only from A to B repeatedly at the speed you chose.
- To terminate the function, press the 'CLEAR' button or the 'REPEAT (A-B)' button again.
- You must wait a few seconds after setting A to set B.

Using the Disc View Function

Track View (VCD)

Displays the beginning view of each track and the track number.

- 1 During play, press the TOP MENU button.
- 2 Press the UP/DOWN buttons to select TRACK VIEW. Press the ENTER button.
- 3 Select the desired view by pressing the UP/DOWN or LEFT/RIGHT buttons.
- 4 Press the ENTER button.

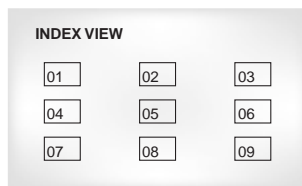


example

Index View (VCD)

Displays the equally divided 9 views of the current playing track.

- 1 During play, press the TOP MENU button.
- 2 Press UP/DOWN buttons to select INDEX VIEW. Press the ENTER button.
- 3 Select the desired view by pressing UP/DOWN or LEFT/RIGHT buttons.
- 4 Press the ENTER button.



example

NOTE

- In stop mode on VCD, press the TOP MENU button and the TRACK VIEW will be displayed.
- When pressing the TOP MENU button with a DVD; the disc's TITLE MENU function comes up. A disc must have at least two titles for the TITLE MENU function to work.
- When pressing the TOP MENU button with a CD; the unit enters the INTRO mode. INTRO lets you listen to the beginning of each track for about 10 seconds.

Selecting the Audio Language

You can select a desired language quickly and easily with the AUDIO button.

Using the AUDIO button

- 1 Press the AUDIO button.
- 2 Use the UP/DOWN buttons to select the desired language on a DVD.
 - The audio languages are represented by abbreviations.
- 3 Use the UP/DOWN buttons to select Stereo, Right or Left. (On VCD/CD)



NOTE

- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 8 audio languages.
- **How to have the same audio language come up whenever you play a DVD;** Refer to "Setting Up the Language Features" on page 32.

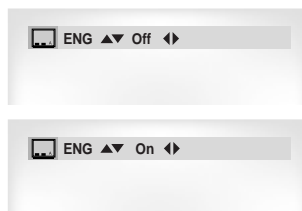
Selecting the Subtitle Language

You can select a desired subtitle quickly and easily with the SUBTITLE button.

Using the SUBTITLE button

- 1 Press the SUBTITLE button.
- 2 Use the UP/DOWN buttons to select the desired subtitle language.
- 3 Use the LEFT/RIGHT button to determine whether or not the subtitle will be displayed.

- Initially, the subtitling will not appear on screen.
- The subtitle languages are represented by abbreviations.



NOTE

- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 32 subtitle languages.
- **How to have the same subtitle language come up whenever you play a DVD;** Refer to "Setting Up the Language Features" on page 32.

Changing the Camera Angle

When a DVD contains multiple angles of a particular scene, you can select the Angle function.

Using the ANGLE button

Press the ANGLE button to see if an ANGLE () mark is present at the upper right hand corner of the screen.

- 1 When an ANGLE mark is shown, press the ANGLE button, then an ANGLE select icon will appear at the upper left hand corner of the screen.
- 2 Use the UP/DOWN buttons to select the desired screen angle.
- 3 To turn off the display, press the ANGLE button again.

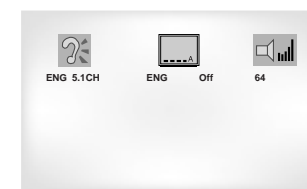


example

Master Volume Control Function

- 1 Press the Display button twice while in play mode.
Press the Left/Right buttons to choose Master volume().
Press UP/DOWN to lower/raise the Master volume.

- Master Volume Control function lets you adjust the volume of the player's output. This is useful for matching the player's output level to other equipment in your system.
- Volume control is only operative when using the Analog Audio outputs.
- There are up to 64 levels. Lowering each level reduces the audio level by 0.5dB.



ADVANCED
FUNCTIONS

NOTE

- Default Volume (64) may be reset anytime, but it will be effective only in the same disc format after reset. (only in CDs or DVDs)

Using the Bookmark Function

The Bookmark function lets you select parts of a DVD or VCD (MENU OFF mode) so that you can quickly find the section at a later time.

Using the Bookmark Function (DVD/VCD)

- 1 During play, press the BOOKMARK button on the remote. The Bookmark icons will be displayed.
- 2 Use the LEFT/RIGHT button to move to the desired bookmark icon.
- 3 When you reach the scene you want to mark, press the ENTER button. The icon will change to a number (1, 2, or 3).
- 4 Press the BOOKMARK button to turn off the display.



Recalling a Marked Scene

- 1 During play, press the BOOKMARK button on the remote.
- 2 Use the LEFT/RIGHT button to select a marked scene.
- 3 Press the PLAY/PAUSE button to skip to the marked scene.



Clearing a Bookmark

- 1 During play, press the BOOKMARK button on the remote.
- 2 Use the LEFT/RIGHT button to select the bookmark number you want to delete.
- 3 Press the CLEAR button to delete a bookmark number. Press the BOOKMARK button to turn off display.

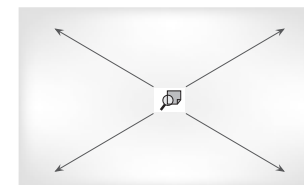
NOTE

- Up to three scenes may be marked at a time.
- When in VCD 2.0 mode (MENU ON mode), this function does not work.
- Depending on the disc, the Bookmark function may not work.

Using the Zoom & 3D Sound Functions

Using the Zoom Function (DVD/VCD)

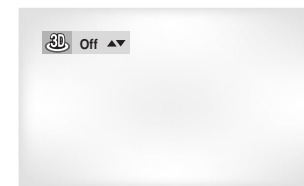
- 1 During play or pause mode, press the ZOOM button on the remote. A square will be displayed on screen.
- 2 Use the UP/DOWN or LEFT/RIGHT button to select the part of the screen you want to zoom in on.
- 3 Press the ENTER button.
 - During DVD play, press ENTER to zoom in 2X/4X/2X/Normal in order.
 - During VCD play, press ENTER to zoom in 2X/normal in order.



Using the 3D Sound Function

The simulated surround effect (SPATIALIZER N-2-2) depends on the disc contents. If you connect the unit to your stereo system, you can enhance sound quality and produce a greater surround effect. This feature is useful when you are using the DVD player with a two channel stereo through the analog outputs. (Discs which are recorded with LPCM or DTS will not work. When the DIGITAL OUTPUT is set to BIT STREAM in the SETUP MENU, the 3D Sound function will not work.)

- 1 During play, press the 3D SOUND button. The 3D SOUND mark will be displayed on screen. (Be sure the DIGITAL OUTPUT is set to PCM.)
- 2 Press the UP/DOWN buttons to turn the 3D Sound feature on or off.



ADVANCED
FUNCTIONS

NOTE

- 3D Sound is possible only on discs recorded using DOLBY SURROUND or DOLBY DIGITAL.
- Depending on the disc, the Zoom and 3D Sound function may not work.

Using the Setup Menu

The Setup menu lets you customize your DVD player by allowing you to select various language preferences, set up a parental level, even adjust the player to the type of television screen you have.

1 With the unit in Stop mode, press the SETUP button on the remote.

1 Player Menu : Setup of the Display Language

Use the Player preference menu to select the language for the player's on-screen displays.

2 Disc Menu : Setup of the Menu Language

Use the Menu preference menu to select the language you want a DVD's disc menu to be displayed in.

3 Audio : Setup of the Audio Language

Use the Audio preference menu to select the soundtrack language.

4 Subtitle : Setup of the Subtitle Language

Use the Subtitle preference menu to select the language the disc's subtitles are to be displayed in.

5 Parental : Setup of the Parental Level

Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.

6 Audio Options : Setup of the Audio Options

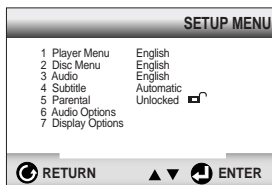
7 Display Options : Setup of the Display Options

Use to select which type of screen you want to watch and several display options.

2 Use the UP/DOWN buttons on the remote to access the different features.

3 Press the ENTER button to access the sub features.

To make the setup screen disappear after setting up, press the SETUP button again.



NOTE

Depending on the disc, some Setup Menu selections may not work.

Setting Up the Language Features

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

Using the Player Menu Language

1 With the unit in Stop mode, press the SETUP button.

2 Use the UP/DOWN buttons to select the PLAYER MENU.

3 Press the ENTER button.

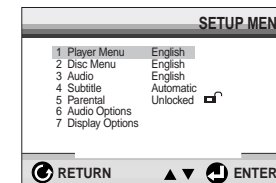
4 Use the UP/DOWN buttons to select 'English'.

5 Press the ENTER button.

- English is selected and the screen returns to SETUP MENU.

- To make the SETUP MENU disappear, press the RETURN button.

e.g. Setting up in English.



Using the Disc Menu Language

This function changes the text language only on the disc menu screens.

1 With the unit in Stop mode, press the SETUP button.

2 Use the UP/DOWN buttons to select DISC MENU.

3 Press the ENTER button.

4 Use the UP/DOWN button to select 'English'.

- Select "Others" if the language you want is not listed.

5 Press the ENTER button.

- English is selected and the screen returns to SETUP MENU.

e.g. Setting up in English.



CHANGING
SETUP MENU

Setting Up the Language Features

Using the Audio Language

- 1 With the unit in Stop mode, press the SETUP button.
- 2 Press the UP/DOWN buttons to move to AUDIO.
- 3 Press the ENTER button.
- 4 Press the UP/DOWN buttons to select 'ENGLISH'.
 - Select "Original" if you want the default soundtrack language to be the original language the disc is recorded in.
 - Select "Others" if the language you want is not listed.
- 5 Press the ENTER button.
 - English is selected and the screen returns to SETUP MENU.

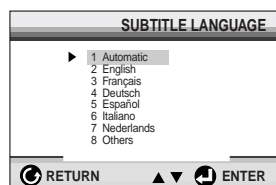
e.g. Setting up in English



Using the Subtitle Language

- 1 With the unit in Stop mode, press the SETUP button.
- 2 Use the UP/DOWN buttons to select SUBTITLE.
- 3 Press the ENTER button.
- 4 Use the UP/DOWN buttons to select 'ENGLISH'.
 - Select "Automatic" if you want the subtitle language to be the same as the language selected as the audio preference.
 - Select "Others" if the language you want is not listed. Some discs may not contain the language you select as your initial language; in that case the disc will use its original language setting.
- 5 Press the ENTER button.
 - English is selected and the screen returns to SETUP MENU.

e.g. Setting up in English



NOTE

- If the selected language is not recorded on the disc, the original pre-recorded language is selected.
- **How to make the SETUP MENU disappear or return to menu screen during set up:** Press RETURN button.

Setting Up the Parental Control

The Parental Control function works in conjunction with DVDs that have been assigned a rating - which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

- 1 With the unit in Stop mode, press SETUP button. The Setup Menu screen appears.
- 2 Use UP/DOWN to select Parental. Press ENTER. The Parental Control screen appears.
- 3 Use LEFT/RIGHT to select Yes if you want to use a password. Press ENTER. The Enter Password screen appears.
- 4 Enter your password. (The factory default password is 7777.) The Re-enter Password screen appears to confirm the password. Enter your password again. The Parental Control screen appears.
- 5 **About the Rating Level ;**
The Rating Level will work only when Use Password is set to Yes. To unlock the player, use LEFT/RIGHT to select No. Use UP/DOWN to select Rating level. Press ENTER.

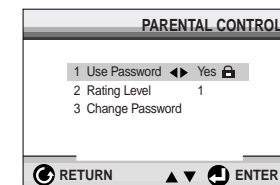
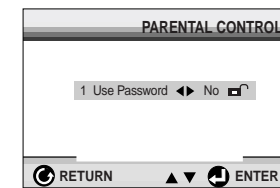
- Use UP/DOWN to select the level(e.g. Level 6) and press ENTER. Discs that contain Level 7 will now not play.
- To cancel the rating level, use LEFT/RIGHT to select No in Use Password.

6 About the Change Password ;

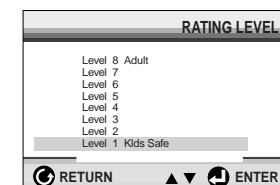
- Use UP/DOWN to select Change Password. The Change Password screen appears.
- Enter your new password. Re-enter the new password again.

NOTE

- **How to make the SETUP MENU disappear or return to menu screen during set up:** Press RETURN button.
- If you have forgotten your password, see Forgot Password in the Troubleshooting Guide. (P36)

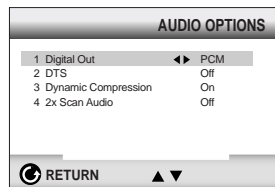


e.g. Setting up in LEVEL6.



Setting Up the Audio Options

- 1 With the unit in Stop mode, press the SETUP button.
- 2 Use the UP/DOWN buttons to select AUDIO OPTIONS. Then press the ENTER button.
- 3 Use the UP/DOWN buttons to select the desired item. Then press the LEFT/RIGHT button.



1 Digital Output

1. PCM : Converts to PCM(2CH) 48kHz/16Bit audio.
Select PCM when using the Analog Audio Outputs.
2. Bitstream : Converts to Dolby Digital Bitstream (5.1CH).
Select Bitstream when using the Digital Audio Output.

NOTE

- Be sure to select the correct Digital Output or no audio will be heard.

2 DTS

1. On : Outputs DTS Bitstream via digital output only.
Select DTS when connecting to a DTS Decoder.
2. Off : Doesn't output digital signal.

3 Dynamic Compression

1. On : To select dynamic compression.
This keeps the volume at one consistent level.
2. Off : To select the standard range.

4

2X Scan Audio

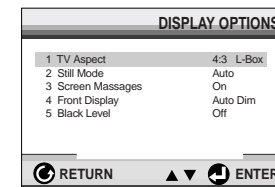
1. On : Turns 2X audio on.
 2. Off : Turns 2X audio off.
- Though 2X Scan Audio is ON in the SETUP MENU, no sound will be heard on discs which are recorded with LPCM, DTS or MPEG-2 Audio.

NOTE

- **How to make the SETUP MENU disappear or return to menu screen during set up;** Press RETURN button.
- Certain audio features of this product manufactured under a license from Desper Products, Inc. Spatializer® and circle-in-square device are trademarks owned by Desper Products, Inc.
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Setting Up the Display Options

- 1 With the unit in Stop mode, press the SETUP button.
- 2 Use the UP/DOWN buttons to select DISPLAY OPTIONS. Then press the ENTER button.
- 3 Use the UP/DOWN buttons to select the desired item. Then press the LEFT/RIGHT buttons.



1 TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting (aspect ratio).

1. 4:3 Letter Box :
Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.
2. 4:3 Pan-Scan :
Select this for conventional size TVs when you want to see the central portion of the 16:9 screen. (Extreme left and right side of movie picture will be cut off.)
3. 16:9 Wide :
You can view the full 16:9 picture on your widescreen TV.

2 Still Mode

These options will help prevent picture shake in still mode and display small text clearer.

1. Field : Select this feature when the screen shakes in the Auto mode.
2. Frame : Select this feature when you want to see small letters more clearly in the Auto mode.
3. Auto : When selecting Auto, Field/Frame mode will be automatically converted.

3 Screen Messages

Use to turn on-screen messages On or Off.

4 Front Display

Adjust the brightness of the unit's front panel display.

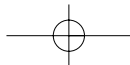
1. Bright : Makes the Front Panel Display bright.
2. Dim : Makes the Front Panel Display dim.
3. Auto Dim : Makes the Front Panel Display dim automatically when playing a DVD.

5 Black Level

Adjusts the brightness of the screen.(On/Off)

NOTE


- **How to make the SETUP MENU disappear or return to menu screen during set up;** Press RETURN button.
- The TV aspect ratio may be dependent on the disc.



Troubleshooting

Specifications

Before requesting service (troubleshooting), please check the following.

Problem	Action	Page
No operations can be performed with remote.	<ul style="list-style-type: none"> Check the batteries in the remote. May need replacing. Operate the remote control at a distance of no more than 20 feet. Remove batteries and hold down one or more buttons for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again. 	P4
Disc does not play.	<ul style="list-style-type: none"> Ensure that the disc is installed with the label side facing up. Check the region number of the DVD. 	P7
5.1 channel sound is not being reproduced.	<ul style="list-style-type: none"> 5.1 channel sound is reproduced only when the following conditions are met. : <ol style="list-style-type: none"> The DVD player is connected with the proper amplifier The disc is recorded with 5.1 channel sound. Check whether the disc being played has the "Dolby 5.1 ch" mark on the outside. Check if your audio system is connected and working properly. In a SETUP Menu, is the Audio Output set to Bitstream? 	P12-13, P34
The  icon appears on screen.	<ul style="list-style-type: none"> The features or action cannot be completed at this time because: <ol style="list-style-type: none"> The DVD's software restricts it. The DVD's software doesn't support the feature (e.g., angles). The feature is not available at the moment. You've requested a title or chapter number or search time that is out of range. 	P15
Disc Menu doesn't appear.	<ul style="list-style-type: none"> Check if the disc has a Menu. 	
Play mode differs from the Setup Menu selection.	<ul style="list-style-type: none"> Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function. 	P30-35
The screen ratio cannot be changed.	<ul style="list-style-type: none"> The Screen Ratio is fixed on your DVDs. 	P35
No audio.	<ul style="list-style-type: none"> Make sure you have selected the correct Digital Output in the Audio Options Menu. 	P34
Forgot password	<ul style="list-style-type: none"> Press power on from a cold start with no disc in the unit. Press the STOP and PLAY buttons simultaneously on the front panel for three seconds. The Select Menu Language display will appear. Select the desired language button. Press the SETUP button on the remote control to select the Parental Mode. The Parental Mode is now unlocked as indicated on the display. Press the DOWN button to select Parental. Press ENTER and the Create Password display will appear. You can now set your rating level and change your password to a new number. 	P33
If you experience other problems.	<ul style="list-style-type: none"> Go to the contents and find the section of the instruction book that contains the explanations regarding the current problem, and follow the procedure once again. If the problem still cannot be solved, please contact your nearest authorized service center. 	

General	Power Requirements	AC 120 V, 60 Hz
	Power Consumption	15 W
General	Weight	15.4 lbs
	Dimensions	W 16.9 in x D 15.9 in x H 3.5 in
	Operating Temperature Range	+41°F to +95°F
	Operating Humidity Range	10 % to 75 %
Disc	DVD (DIGITAL VERSATILE DISC)	Reading Speed : 11.45 ft/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 5" (COMPACT DISC)	Reading Speed : 3.9 to 4.6 ft/sec. Maximum Play Time : 74 min.
	CD : 3 1/2" (COMPACT DISC)	Reading Speed : 3.9 to 4.6 ft/sec. Maximum Play Time : 20 min.
	VCD : 5"	Reading Speed : 3.9 to 4.6 ft/sec. Maximum Play Time : 74 min. (Video + Audio)
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)
	Component Video	Y : 1.0 Vp-p (75 Ω load) Pr : 0.70 Vp-p (75 Ω load) Pb : 0.70 Vp-p (75 Ω load)
	S-VIDEO	Luminance Signal : 1.0 Vp-p (75 Ω load) Chrominance Signal : 0.286 Vp-p (75 Ω load)
Audio Output	2 Channel	L(1/L), R(2/R)
	*Frequency Response	48 kHz Sampling : 4 Hz to 22 kHz 96 kHz Sampling : 4 Hz to 44 kHz
	*S/N Ratio	110 dB
	*Dynamic Range	100 dB
	*Total Harmonic Distortion	0.003 %

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

Warranty (for USA users only)

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for the following limited warranty period:

One (1) Year Parts and Labor

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States, and does not include transportation, installation, removal or reinstallation. Warranty repairs must be performed by SAMSUNG's authorized service center. To receive warranty service, the original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation to and from the service center is the responsibility of the purchaser.

SAMSUNG will repair or replace this product, at our option and at no charge with new or reconditioned parts, if found to be defective during the limited warranty period specified above. The product must be returned during the warranty period with transportation charges prepaid to SAMSUNG's designated service center. Prior to returning any product for warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. SAMSUNG does not warrant uninterrupted or error-free operation of the product. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, non-commercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; applications and uses for which this product was not intended; failures or problems which are caused by products or equipment not supplied by SAMSUNG; accidents, misuse, abuse, neglect, misapplication, fire, water, lightning or other acts of nature; incorrect electrical line voltage, fluctuations or surges; damage caused by improper or faulty installation; improper connection with any peripheral; product alteration or modification; improper or unauthorized repair; cosmetic damage or exterior finish; product with altered serial numbers; failure to follow operating instructions, customer adjustments, maintenance and environmental instructions that are covered and prescribed in the instruction book; use of non-SAMSUNG or unauthorized parts, supplies, accessories or equipment which damage this product or result in service problems; failures or problems due to incompatibility with other equipment.

Warranty (for USA users only)

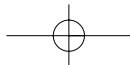
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