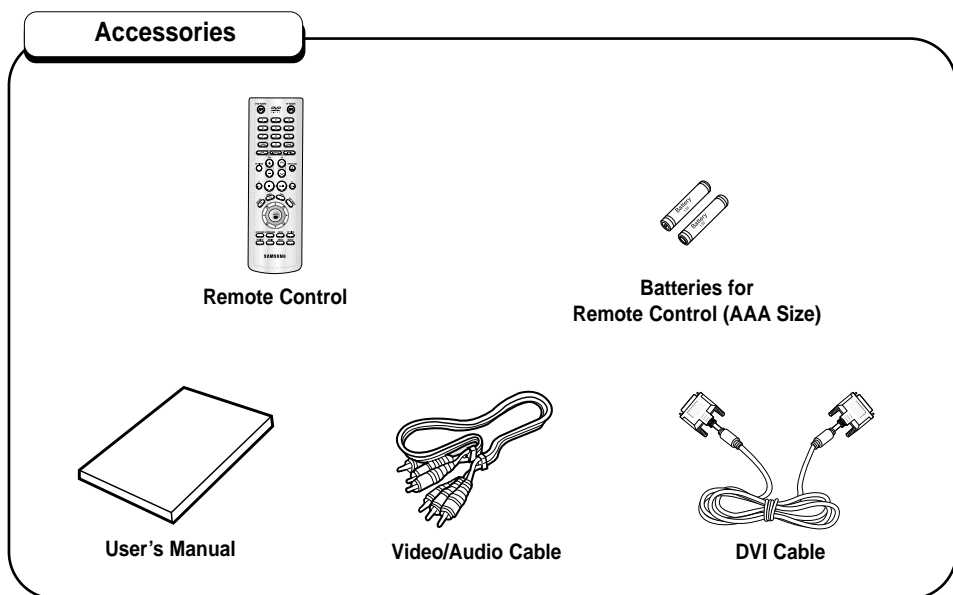




DVD Player

DVD-HD935





Install Batteries in the Remote

- 1 Open the battery cover on the back of the remote.
- 2 Insert two AAA 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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General Features

HD(1080i/720p) DVI(Digital Visual Interface) Output

HD(High Definition) Video has 1080i or 720p picture quality and 16:9 aspect ratio. the DVD SD video signal is converted to a 720 line maximum HD format to provide a higher picture quality than existing DVDP.

Excellent Sound

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

Screen

Video with MPEG-2 compression technology. Both regular 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. (CD, WMA, MP3)

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.

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.

EZ VIEW

Easy View can convert Letter Box images to full screen viewing on your conventional TV.

Digital Photo Viewer (JPEG)

You can view the Digital Photos on your TV.

Repeat

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

MP3/WMA

This unit can play discs created from MP3/WMA files.

Instant Replay

This function is used to replay the previous 10 seconds of the movie from the current position.

Instant Skip

This function skips playback ahead 10 seconds.

NOTE

* Discs which cannot be played with this player.




- DVD-ROM
- DVD-RAM
- CD-ROM
- CDV
- CDI
- HD layer of super Audio CD
- CDGs play audio only, not graphics.

* Ability to play back may depend on recording conditions.

- DVD-R, +R
- CD-RW
- DVD+RW, -RW

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	12 Cm	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.
		8 Cm	Single-sided 80 min. Double-sided 160 min.	
	Audio + Video	12 Cm	74 min.	<ul style="list-style-type: none"> • Video with CD sound, VHS quality & MPEG-1 compression technology.
		8 Cm	20 min.	
	Audio	12 Cm	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.
		8 Cm	20 min.	

Disc Markings



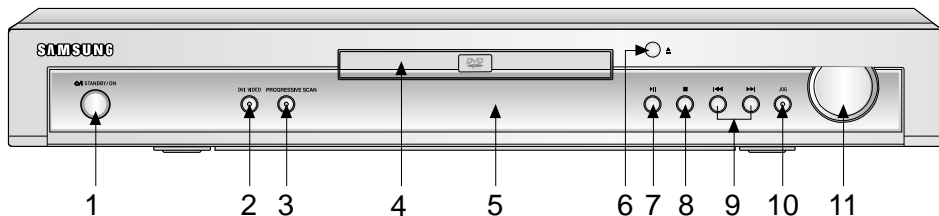
- Play Region Number
- PAL broadcast system in U.K, France, Germany, etc.
- Dolby Digital disc
- Stereo disc
- Digital Audio disc
- DTS disc
- MP3 disc
- DCDi

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.

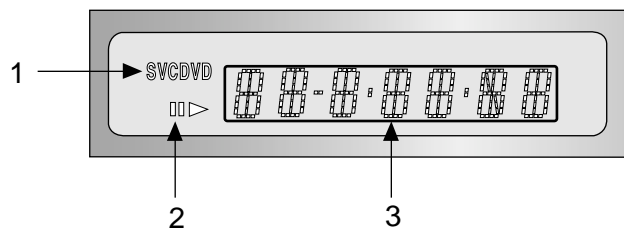
The Region Number for this player is described on the rear panel of the player.

Description-Front Panel



Front Panel Controls

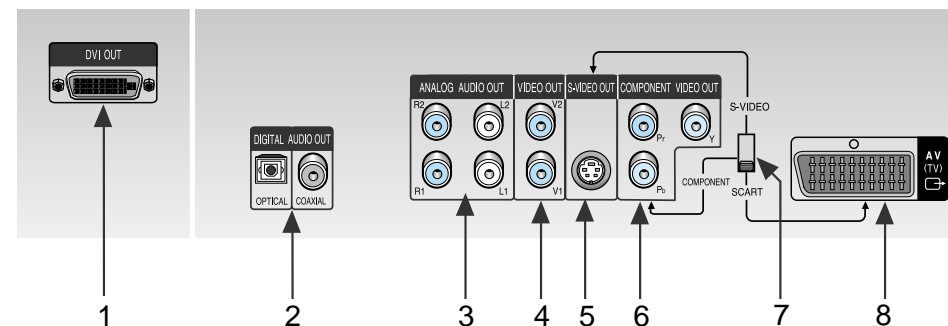
- 1. STANDBY/ON**
 - When the unit is first plugged in, the indicator lights. When STANDBY/ON is pressed on again, the light goes out and the player is turned on.
- 2. DVI VIDEO**
 - The button will change color each time it is pressed to indicate the mode. 576p/480p(Red), 720p(Blue) and 1080i(Green) modes are supported.
- 3. PROGRESSIVE SCAN**
 - When this button is blue, the component jacks output progressive scan(576p/480p) to your TV.
- 4. DISC TRAY**
 - Load the disc here.
- 5. DISPLAY**
 - Operation indicators are displayed here.
- 6. OPEN/CLOSE (▲)**
 - Press to open and close the disc tray.
- 7. PLAY/PAUSE (▶||)**
 - Begin or pause disc play.
- 8. STOP (■)**
 - Stops disc play.
- 9. SKIP (◀◀ / ▶▶)**
 - Use to skip a scene or music.
- 10. JOG**
 - This button enables step playback using the JOG dial.
- 11. JOG DIAL**
 - Turn the dial after with pressing the JOG button (Light turns blue) to perform step playback. Turn the dial without pressing the JOG button to perform fast search.



Front Panel Display

1. Disc type indicators
2. Play / Pause / Forward play
3. Displays various messages concerning operations such as PLAY, STOP, LOAD ...
 - no DISC** : No disc loaded.
 - OPEN** : The disc tray is open.
 - LOAD** : Player is loading disc information.

Description-Rear Panel



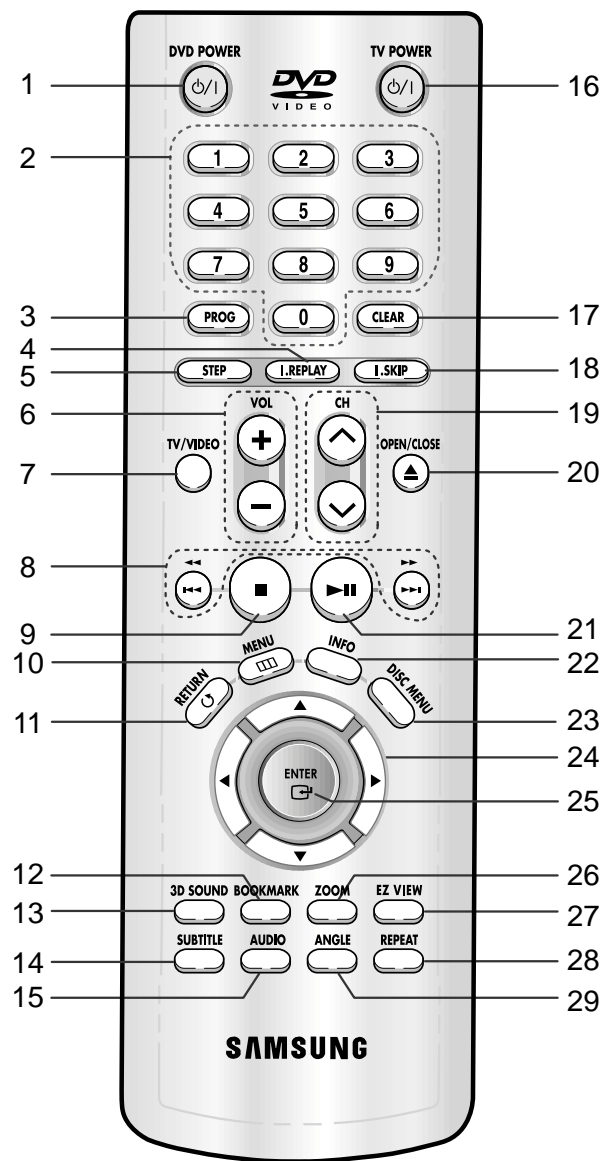
Rear Panel

- 1. DVI OUT JACK**
 - Use the DVI cable to connect this jack to the DVI jack on your television for a higher quality picture.
- 2. 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 AV Amplifier that contains a Dolby Digital or DTS decoder.
- 3. ANALOG AUDIO OUT JACKS**
 - Connect to the Audio input jacks of your television, audio/video receiver, or VCR.
- 4. VIDEO OUT JACK**
 - Use a video cable to connect to the VIDEO input jack on your television.
 - The PROGRESSIVE SCAN button must be set to off.
- 5. S-VIDEO 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.
 - The PROGRESSIVE SCAN button must be set to off.
- 6. 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 Component Video provides the best picture quality.
 - If PROGRESSIVE SCAN button is set to on, progressive scan mode will work.
 - If PROGRESSIVE SCAN button is set to off, interlace scan mode will work.
 - If Component is selected, S-Video output will not work.
- 7. VIDEO OUT SELECT SWITCH**
 - Use the switch to set video out. If Scart jack is selected, S-Video may not work. If S-Video is selected, Component will not work.
- 8. SCART AV JACK**
 - Connect to a TV with scart input jack.
 - The PROGRESSIVE SCAN button must be set to off.

Important Note

- Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual's instructions regarding Progressive Scan settings in the TV's menu system.
- If PROGRESSIVE SCAN button is set to on, VIDEO, S-VIDEO and SCART will not work.**
- Make sure to stop DVD playback before enabling the PROGRESSIVE SCAN function.**

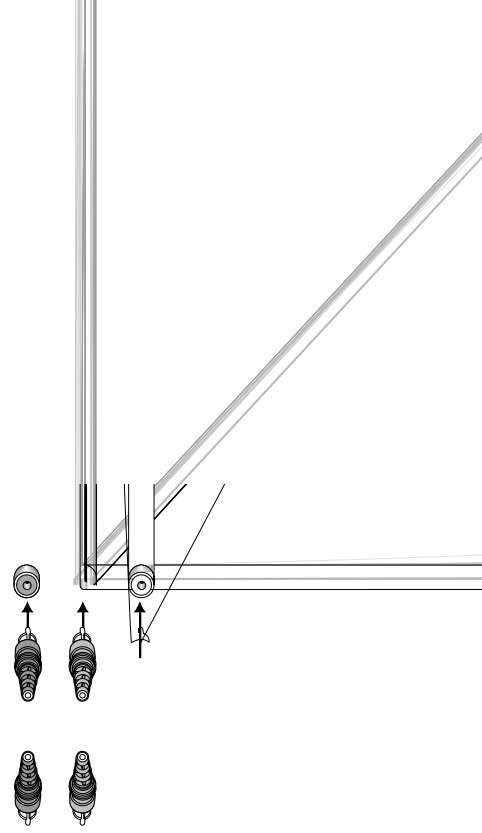
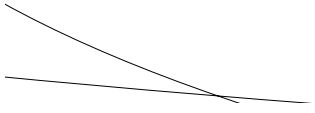
Tour of the Remote Control



Tour of the Remote Control

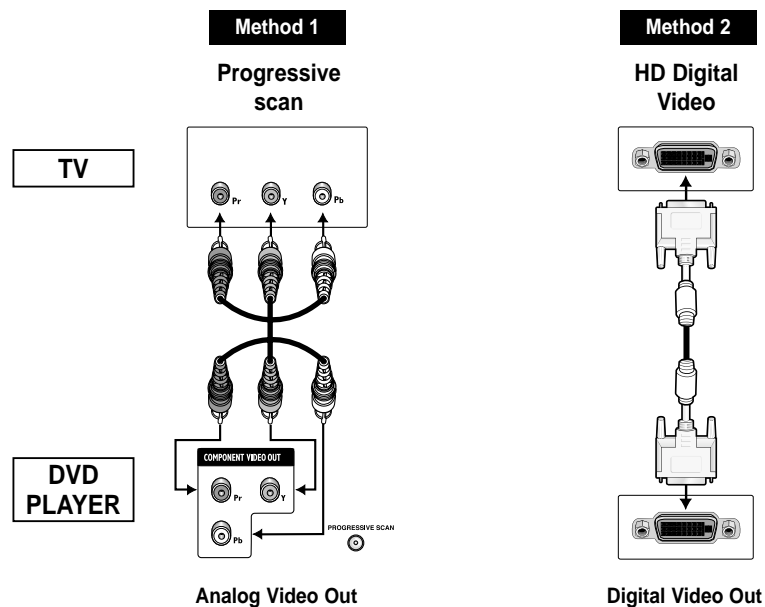
DVD Function Buttons

- 1. DVD POWER Button**
 - Turns the DVD player's power on or off.
- 2. NUMBER Buttons**
- 3. PROG Button**
 - Allows you to program a specific order.
- 4. I.REPLAY Button**
 - This function is used to replay the previous 10 seconds of the movie from the current position.
- 5. STEP button**
 - Advances play one frame at a time.
- 6. VOL +/- buttons**
 - Control volumes.
- 7. TV/VIDEO button**
 - Press to display all of the available video sources (i.e., TV, Cable, Video)
- 8. SEARCH/SKIP buttons (◀ / ▶, ◀◀ / ▶▶)**
 - Allows you to search forward/backward through a disc. Use to skip the title, chapter or track.
- 9. STOP button (■)**
- 10. MENU button (☐)**
 - Brings up the DVD player's setup menu.
- 11. RETURN button (↺)**
 - Returns to a previous menu.
- 12. BOOKMARK button**
 - Use this to save a favorite scene within a movie.
- 13. 3D SOUND button**
 - Press this to listen to 3D surround sound through two existing stereo speakers.
- 14. SUBTITLE button**
 - Press this to switch the DVD's subtitle language.
- 15. AUDIO button**
 - Use this button to access various audio functions on a disc.
- 16. TV POWER button**
 - Turns the TV's power on or off.
- 17. CLEAR button**
 - Use to remove menus or status displays from the screen.
- 18. I.SKIP button**
 - This function skips playback ahead 10 seconds.
- 19. CH ^/∨ buttons**
 - Channel selection.
- 20. OPEN/CLOSE (▲) button**
 - To open and close the disc tray.
- 21. PLAY/PAUSE (▶|) button**
 - Begin/Pause disc play.
- 22. INFO button**
 - Displays the current disc mode.
- 23. DISC MENU button**
 - Brings up the Disc menu.
- 24. DIRECTION buttons (UP/DOWN or LEFT/RIGHT buttons)**
 - This button functions as a toggle switch.
- 25. ENTER button**
- 26. ZOOM button**
 - Enlarges DVD picture.
- 27. EZ VIEW button**
 - Easy View can convert Letter Box images to full screen viewing on your conventional TV.
- 28. REPEAT button**
 - Allows you to repeat a title, chapter, track or disc.
- 29. ANGLE button**
 - Use to access various camera angles on a DVD.



Choosing a Connection

Connection to a TV (For Progressive scan, HD Digital Video)



Method 1 DVD Player + TV with Progressive Scan Jacks.

- PAL disc play - 576p
- NTSC disc play - 480p

Method 2 DVD Player + TV with DVI Jack.

- Depending on your TV, your hookup for Method 2 may differ from the illustration.

Important Note

- Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual's instructions regarding Progressive Scan settings in the TV's menu system.
- If PROGRESSIVE SCAN button is set to on, VIDEO, SCART and S-VIDEO will not work.

Choosing a Connection

DVI VIDEO Specifications

When you press the DVI VIDEO button ; (PAL disc play)

1. The 576p DVI output will be selected when the "Red" light comes on.
2. The 720p DVI output will be selected when the "Blue" light comes on.
3. The 1080i DVI output will be selected when the "Green" light comes on.

When you press the DVI VIDEO button ; (NTSC disc play)

1. The 480p DVI output will be selected when the "Red" light comes on.
2. The 720p DVI output will be selected when the "Blue" light comes on.
3. The 1080i DVI output will be selected when the "Green" light comes on.

Important Note

- DVI (Digital Visual Interface)
DVI is an interface to enable the digital transmission of video signals between various digital devices. Using DVI, the DVD player transmits a digital video signal and displays a vivid picture on a TV having a DVI jack.
- Description of the DVI connection
DVI-D connector : digital signal only.
DVI-I connector : digital and analog signal.
- Though the player is using DVI-I connector, the output from a DVI-I is only a digital signal.
- If TV does not support HDCP (High-bandwidth Digital content protect), snow noise appears on the screen.
- Be careful that various connectors are similar to DVI connector, for example VESA PnD, VESA DFD and so on.
- Why we adopt DVI?
Generally, with an analog TV, an analog video signal is input to VIDEO IN. However, when playing a DVD title the data transmitted to a TV is digital. Therefore either a digital-to-analog converter (in the dvd player) and an analog-to-digital converter (in the TV) is required. During this conversion, the picture quality is degraded due to noise and loss of signal. DVI technology requires no D/A conversion and DVI is a pure digital signal from the player to your TV.
- What is the HDCP?
HDCP(High-bandwidth Digital Content Protection) is a system for protecting DVD content outputted via DVI from being copied. It provides a secure digital link between a video source(PC, DVD. etc) and a display device(TV, projector . etc). Content is encrypted at the source device to prevent unauthorized copies from being made.

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

Press the OPEN/CLOSE button.
The STANDBY indicator light goes out and the tray opens.

Place a disc gently into the tray with the disc's label facing up.

Press the PLAY/PAUSE () button or OPEN/CLOSE button to close the disc tray.

Stopping Play
Press the STOP () button during play.

Removing Disc
Press the OPEN/CLOSE button.

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.

7 Step Motion Play (Except CD)

Press the STEP button on the remote during play.
If turning JOG DIAL, you can view one by one.

- 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 and hold the ▶▶ button to choose the play speed between 1/8, 1/4 and 1/2 of normal during PAUSE or STEP mode.

- No sound is heard during slow mode.
- Press PLAY/PAUSE (▶||) to resume normal play.
- When playing a DVD/VCD, 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 30 minutes, the power will automatically shut off. (Automatic Power-Off Function)
- If the player is left in the stop mode for more than one minute without any user interaction, a screen saver will be activated. Press the PLAY (▶||) button to resume normal play.
- This  icon indicates an invalid button press.

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

During play, press the SEARCH (◀◀ or ▶▶) button on the remote.

- Press the SEARCH (◀◀ or ▶▶) button on the remote for more than 1 second and press again or press continuously to search at a faster speed on the DVD, VCD, CD.

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

Skipping Tracks

During play, press the SKIP (◀◀ or ▶▶) button.

- When playing a DVD, if you press the ▶▶ button, it moves to the next chapter. If you press the ◀◀ 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 ▶▶ button, it moves to the next track. If you press the ◀◀ 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 ▶▶ button, it moves forward 5 minutes. If you press the ◀◀ button, it moves backward 5 minutes.

Using the Display Function

When Playing a DVD/VCD/CD

- 1 During play, press the INFO button on the remote.
- 2 Use the UP/DOWN buttons to select the desired item.
- 3 Use the LEFT/RIGHT buttons to make the desired setup, then press ENTER.
 - You may use the number buttons of the remote control to directly access a title, chapter or to start the playback from the desired time.
- 4 To make the screen disappear, press the INFO button again.

Title To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified.

Chapter Most of DVD discs are recorded in chapters so that you can quickly find a specific passage (similar to tracks on an audio CD).

Time Allows playback of the film from a desired time. You must enter the starting time as a reference.

Audio Refers to the language of the film soundtrack. In the example, the soundtrack is played in English 5.1CH. A DVD disc can have up to eight different soundtracks.

Subtitle Refers to the subtitle languages available in the disc. You will be able to choose the subtitles language or, if you prefer, turn them off from the screen. A DVD disc can have up to 32 different subtitles.

3D Sound A surround sound effect is generated using only two front speakers.

NOTE

* When in VCD 2.0 mode (MENU ON mode), this function does not work. Using DISC MENU button in VCD 2.0, select Menu On/Off.

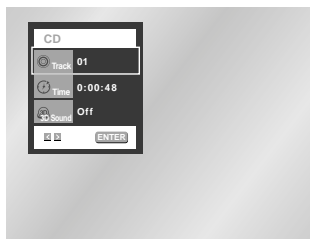
DVD



VCD



CD



Using the Disc and Title Menu

Using the Disc Menu

- 1 During the playback of a DVD disc, press the MENU button on the remote.
- 2 Select **Disc Menu** using the UP/DOWN buttons, then press the RIGHT or ENTER button.



Using the Title Menu

- 1 During the playback of a DVD disc, press the MENU button on the remote.
- 2 Select **Title Menu** using the UP/DOWN buttons, then press the RIGHT or ENTER button.



NOTE

- Depending on the disc, the Title and Disc Menus may not work.
- Title Menu will only be displayed if there are at least two titles in the disc.
- You can also use the Disc Menu, using the DISC MENU button on the remote.
- In VCD2.0, the DISC MENU button works as a conversion switch between Menu On and Menu Off mode.

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

When playing a DVD

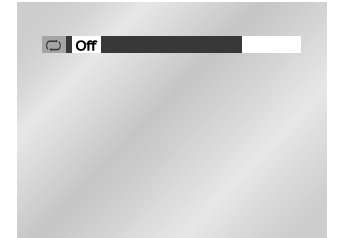
Press the REPEAT button on the remote.
Repeat screen appears.

Select Chapter, Title or A-B using the
LEFT/RIGHT buttons.

- * REPEAT A-B
- Press the REPEAT button. Select A-B on screen with the LEFT/RIGHT buttons 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).
- To terminate the function, press the 'CLEAR' button.
- A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.

Press ENTER.

To return to normal play, press REPEAT again,
then press the LEFT/RIGHT buttons to select Off.
Press ENTER.



Adjusting the Aspect Ratio (EZ View)

To play back using aspect ratio (DVD)

Press the EZ VIEW button.

- The screen size changes when the button is pressed repeatedly.
- The screen zoom mode operates differently depending on the screen setting in the initial setup menu.
- To ensure correct operation of the EZ VIEW button, you should set the correct aspect ratio in the initial setup (See page 43).

If you are using a 16:9 TV

① For 16:9 aspect ratio discs

- **Wide Screen**
Displays the content of the DVD title in 16:9 aspect ratio.
- **Screen Fit**
The top and bottom of the screen are cut off. When playing a 2.35:1 aspect ratio disc, the black bars at the top and bottom of the screen will disappear. The picture will look vertically stretched. (Depending on the type of disc, the black bars may not disappear completely.)
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

② For 4:3 aspect ratio discs

- **Normal Wide**
Displays the content of the DVD title in 16:9 aspect ratio. The picture will look horizontally stretched.
- **Screen Fit**
The top and bottom of the screen are cut off and the full screen appears. The picture will look vertically stretched.
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.
- **Vertical Fit**
When a 4:3 DVD is viewed on a 16:9 TV, black bars will appear at the left and right of the screen in order to prevent the picture from looking horizontally stretched.

Adjusting the Aspect Ratio (EZ View)

If you are using a 4:3 TV

① For 16:9 aspect ratio discs

- **4:3 Letter Box**
Displays the content of the DVD title in 16:9 aspect ratio. The black bars will appear at the top and bottom of the screen.
- **4:3 Pan Scan**
The left and right of the screen are cut off and displays the central portion of the 16:9 screen.
- **Screen Fit**
The top and bottom of the screen are cut off and the full screen appears. The picture will look vertically stretched.
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

② For 4:3 aspect ratio discs

- **Normal Screen**
Displays the content of the DVD title in 4:3 aspect ratio.
- **Screen Fit**
The top and bottom of the screen are cut off and the full screen appears. The picture would look vertically stretched.
- **Zoom Fit**
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

NOTE

- This function may behave differently depending on the type of disc.

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 During play, press the PLAY/PAUSE (▶||) button.
- 2 Press and hold the ▶| button to choose the play speed between 1/8, 1/4 and 1/2 of normal during PAUSE or STEP mode.
- 3 Press the REPEAT button to select the point where the function starts. (A)
(See page 23)
- 4 Press the REPEAT button to select the point where the function ends. (B)
(See page 23)

NOTE

- The disc will play from A to B repeatedly at the speed you chose.
- To terminate the function, press the 'CLEAR' button.
- A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.

Selecting the Audio Language

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

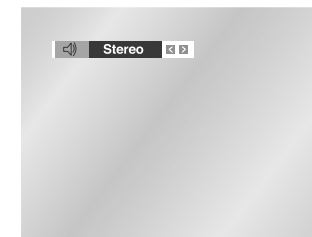
Using the AUDIO button

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

DVD



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 40.

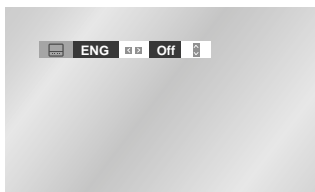
Selecting the Subtitle Language

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 LEFT/RIGHT buttons to select the desired subtitle language.
- 3 Use the UP/DOWN buttons 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 40.

Changing the Camera Angle

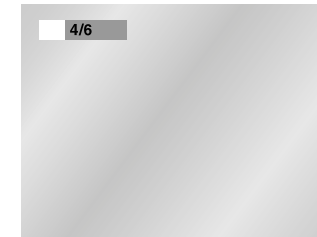
When a DVD contains multiple angles of a particular scene, you can select the Angle function.

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

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.

Use the LEFT/RIGHT buttons to select the desired screen angle.

To turn off the display, press the ANGLE button again.



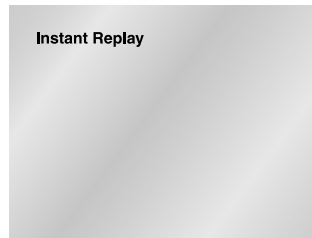
Using the Instant Replay/Skip Function

Using the Instant Replay function (DVD)

If you miss a scene, you can see it again using this function.

If you press the I.REPLAY button, the current scene moves backward about 10 seconds, and plays back.

- Depending on the disc, the Instant Replay function may not work.

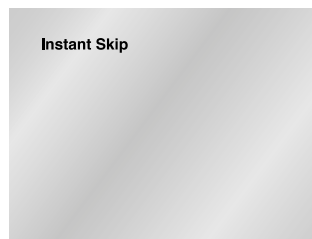


Using the Instant Skip function (DVD)

Use this function to skip playback 10 seconds ahead of the current scene.

Press the I.SKIP button.

- Playback will skip ahead 10 seconds.
- Depending on the disc, this function may not work.

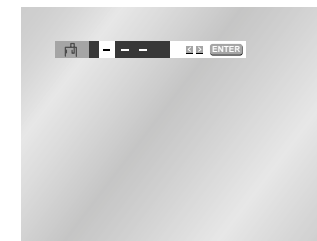


Using the Bookmark Function

This feature lets you bookmark sections of a DVD or VCD (MENU OFF mode) so you can quickly find them at a later time.

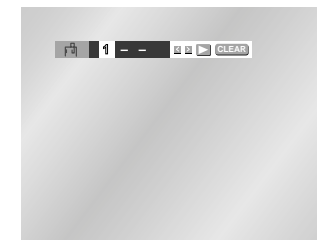
Using the Bookmark Function (DVD/VCD)

- 1 During play, press the BOOKMARK button on the remote. The Bookmark icons will be displayed.
- 2 Use the LEFT/RIGHT buttons 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 buttons to select a marked scene.
- 3 Press the PLAY/PAUSE (▶||) buttons to skip to the marked scene.



Clearing a Bookmark

- 1 During play, press the BOOKMARK button on the remote.
- 2 Use the LEFT/RIGHT buttons 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 the display.

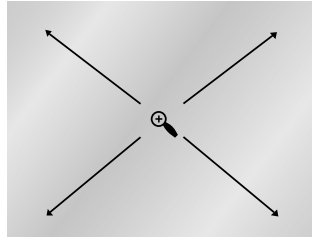
NOTE

- 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)

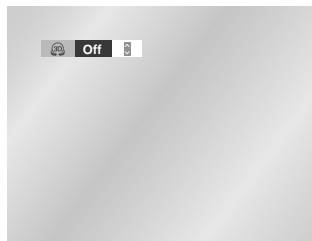
- 1 During play or pause mode, press the ZOOM button on the remote.
A zoom mark will be displayed on screen.
- 2 Use the UP/DOWN or LEFT/RIGHT buttons to select the part of the screen you want to zoom in on.
- 3 Press the ENTER button.
 - During DVD play, press ENTER to zoom in 2X/4X/2X/Normal in order.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



Using the 3D Sound Function

The simulated surround effect 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.)

- 1 During play, press the 3D SOUND button. The 3D SOUND mark will be displayed on screen.
- 2 Press the UP/DOWN buttons to turn the 3D Sound feature on or off.



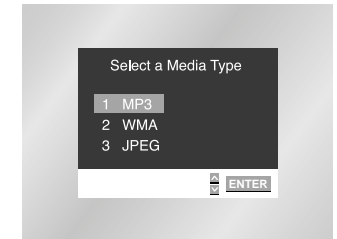
NOTE

- 3D Sound is possible only on discs recorded using DOLBY SURROUND or DOLBY DIGITAL. However, some of these discs do not contain rear channel sound signals.
- Depending on the disc, the Zoom and 3D Sound function may not work.

MP3/WMA Play

When an MP3/WMA Disc is inserted into the DVD player, the first song file of the first folder plays.

- If more than two file extensions are present, select the media of your choice by pressing UP/DOWN, then press the ENTER button.
- To change the currently playing media, press the STOP (■) button twice and then press the DISC MENU button.
- If no button on the remote controller is pressed for 60 seconds, the menu will disappear and the selected item will be played.



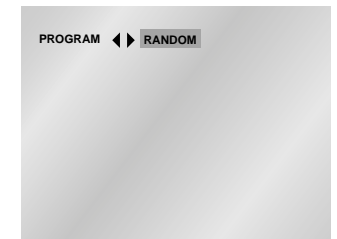
MP3/WMA Play Function

- 1 When the first song file is playing, the music folder menu will appear on the right side of the screen. Up to 8 music folders can be displayed at a time. If you have more than 8 folders on a disc, press the LEFT/RIGHT buttons to bring them up on the screen.
- 2 Use the UP/DOWN buttons to select the desired music folder, then press ENTER. Use the UP/DOWN buttons again to select a song file. Press ENTER to begin playback of the song file.



Program/Random playback

Press the PROG button to switch between the PROGRAM and RANDOM modes. See page 35 for more information on these modes.



NOTE

- Press the REPEAT button to hear only music continuously and press it once again to release.
- PROGRAM/RANDOM playback cannot be used if the disc contains more than two types of file extensions.

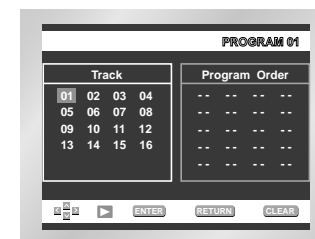
CD-R MP3/WMA discs

When playing CD-R/MP3 or WMA discs, please follow all the recommendations for CD-R above, plus the comments below:

- **Your MP3 or WMA files should be ISO 9660 or JOLIET format.**
ISO 9660 format and Joliet MP3 or WMA files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.
- **When naming your MP3 or WMA files do not exceed 8 characters, and place ".mp3, .wma" as the file extension.**
General name format of: Title.mp3. or Title.wma. When composing your title, make sure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including: (.,/, \, =, +).
- **Use a decompression transfer rate of at least 128 Kbps when recording MP3 files.**
Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to MP3 format, of at least 128 Kbps and up to 160 Kbps. However, choosing higher rates, like 192 Kbps or more, only rarely give better sound quality.
Conversely, files with decompression rates below 128 Kbps will not be played properly.
- **Use a decompression transfer rate of at least 64Kbps when recording WMA files.**
Sound quality with WMA files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to WMA format, of at least 64Kbps and up to 192Kbps.
Conversely, files with decompression rates below 64Kbps or over 192Kbps will not be played properly.
- **Do not try recording copyright protected MP3 files.**
Certain "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You cannot copy such files.
- **Important:** The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality.
You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (degraded sound quality and in some cases, inability of the player to read the files).
- This unit can play a maximum of 500 files and 300 folders per disc.

Program Play (CD/MP3/WMA)

- 1 Press the PROG button.
- 2 Use the LEFT/RIGHT buttons to select PROGRAM. Press the ENTER button.
- 3 Use the UP/DOWN/LEFT/RIGHT buttons to select the first 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.



Random Play (CD/MP3/WMA)

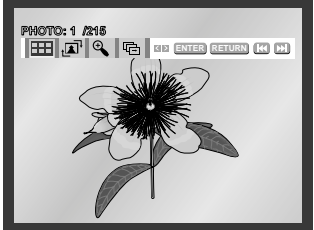
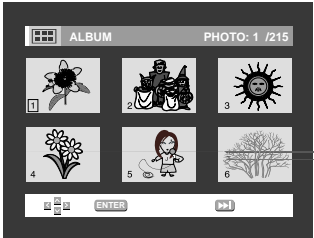
- 1 Press the PROG button.
- 2 Use the LEFT/RIGHT buttons to select RANDOM. Press the ENTER button.
The disc will be played in random order.



NOTE

- Depending on the disc, the Program and Random Play functions may not work.
- To resume normal play, press the CLEAR button.
- PROGRAM/RANDOM playback cannot be used if the disc contains more than two types of file extensions.
- This unit can support a maximum of 99 programmed order.

Picture CD Playback



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 MENU button on the remote. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.

❶ **Language Setup** : Setup of the Language.

❷ **Audio Setup** : Setup of the Audio Options

❸ **Display Setup** : Setup of the Display Options
Use to select which type of screen you want to watch and several display options.

❹ **Parental Setup** : 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.

❺ **DVI Output** : This function corrects a biased TV screen to secure a normal view.

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 MENU button again.

NOTE

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



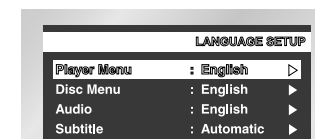
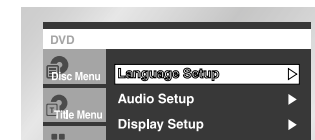
Setting Up the Language Features

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 MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 4 Select **Player Menu** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 5 Use the UP/DOWN buttons to select '**English**'.
- 6 Press the ENTER button.
- English is selected and the screen returns to SETUP menu.
- To make the SETUP menu disappear, press the RETURN or LEFT 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 MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 4 Select **Disc Menu** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 5 Use the UP/DOWN buttons to select '**English**'.
- Select "Others" if the language you want is not listed.
- 6 Press the ENTER button.
- English is selected and the screen returns to SETUP menu.

e.g) Setting up in English.



Setting Up the Language Features

Using the Audio Language

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 4 Select **Audio** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 5 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.
- 6 Press the ENTER button.
 - English is selected and the screen returns to SETUP menu.



Using the Subtitle Language

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 4 Select **Subtitle** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 5 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.
- 6 Press the ENTER button.
 - English is selected and the screen returns to SETUP menu.

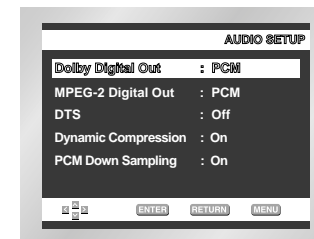
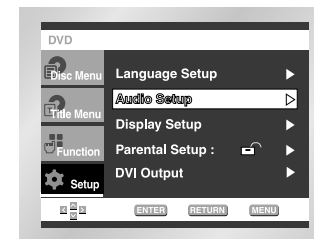


NOTE

- 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 or LEFT button.

Setting Up the Audio Options

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **Audio Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 4 Use the UP/DOWN buttons to select the desired item. Then press the RIGHT or ENTER button.



1 Dolby Digital Out

1. **PCM :**
Converts to PCM(2CH) 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.

3 DTS

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

4 Dynamic Compression

1. On : To select dynamic compression.
2. Off : To select the standard range.

5 PCM Down Sampling

1. On : Select this when the amplifier connected to the player is not 96KHz compatible. In this case, the 96KHz signals will be down converted to 48KHz.
2. Off : Select this when the amplifier connected to the player is 96KHz compatible. In this case, all signals will be output without any changes.

NOTE

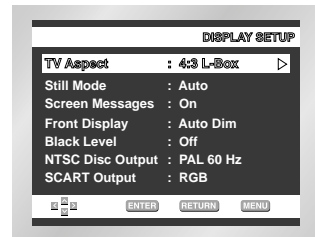
- **How to make the SETUP menu disappear or return to menu screen during set up;** Press RETURN or LEFT button.
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

2 MPEG-2 Digital Out

1. **PCM :**
Converts to PCM(2CH) audio.
Select PCM when using the Analog Audio Outputs.
2. **Bitstream :**
Converts to MPEG-2 Digital Bitstream (5.1CH or 7.1CH).
Select Bitstream when using the Digital Audio Output.

Setting Up the Display Options

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **Display Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 4 Use the UP/DOWN buttons to select the desired item. Then press the RIGHT or ENTER button.



- 1 TV Aspect
- 2 Still Mode
- 3 Screen Messages
- 4 Front Display
- 5 Black Level
- 6 NTSC Disc Output
- 7 SCART Output

NOTE

- How to make the SETUP menu disappear or return to menu screen during set up;
Press the RETURN or LEFT button.

Setting Up the Display Options

- 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. Auto : When selecting Auto, Field/Frame mode will be automatically converted.
 2. Field : Select this feature when the screen shakes in the Auto mode.
 3. Frame : Select this feature when you want to see small letters more clearly in the Auto mode.
- 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. Auto Dim : Makes the Front Panel Display dim automatically when playing a DVD.
 2. Bright : Makes the Front Panel Display bright.
 3. Dim : Makes the Front Panel Display dim.
- 5 **Black Level**
Adjusts the brightness of the screen.(On/Off)
- 6 **NTSC Disc Output**
"NTSC" if the screen only has one NTSC-video entrance. If this is not the case, you can choose to leave " PAL 60Hz" as is.
- 7 **SCART Output**
 1. RGB : Sends RGB signal from the AV JACK(SCART terminal).
 2. Video : Sends COMPOSITE VIDEO signal from the AV JACK(SCART terminal).

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 the MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **Parental Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 4 Use RIGHT or ENTER to select **Yes** if you want to use a password. The **Enter Password** screen appears.
- 5 Enter your password. The Re-enter Password screen appears to confirm the password. Enter your password again. The Parental Control screen appears.

About the Rating Level ;

The Rating Level will work only when **Use Password** is set to Yes. To unlock the player, use UP/DOWN to select No. Use RIGHT or ENTER to select **Rating Level**. Press ENTER.

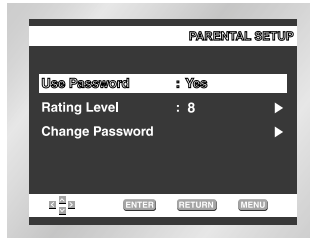
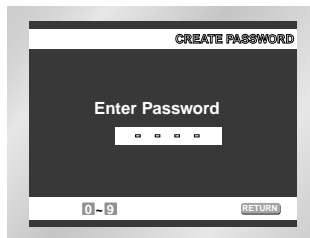
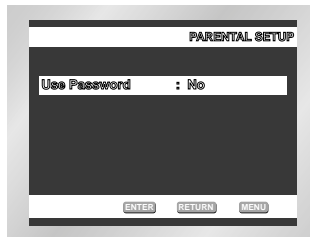
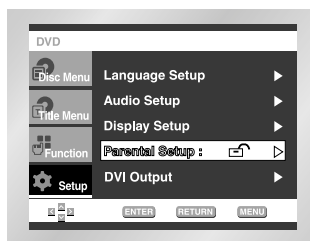
- Use UP/DOWN to select the level(e.g. Level 6) and press ENTER. Discs that contain Level 7 will now not play.
- To cancel the rating level, use RIGHT or ENTER to select No in Use Password.

About the Change Password ;

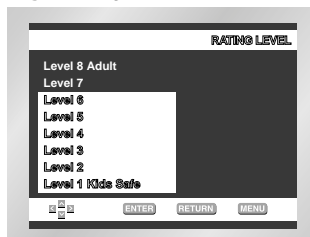
- Use UP/DOWN to select Change Password. Press ENTER. The Change Password screen appears.
- Enter your new password. Re-enter the new password again.

NOTE

- **How to make the SETUP menu disappear or return to menu screen during set up;**
Press RETURN or LEFT button.
- If you have forgotten your password, see Forget Password in the Troubleshooting Guide.

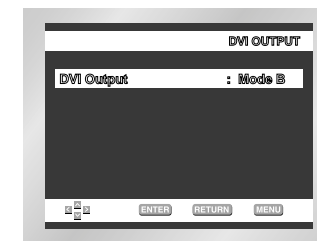


e.g) Setting up in LEVEL 6.



Setting Up the DVI Output

- 1 With the unit in Stop mode, press the MENU button.
- 2 Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
- 3 Select **DVI Output** using UP/DOWN buttons, then press the RIGHT or ENTER button.



This function corrects a biased TV screen to secure a normal view. Select A or B Mode.

Controlling a TV with the Remote

The remote can also be set up to control most TVs. To program the remote, use the code that corresponds to your brand.

TV Codes			
CODE	BRAND	CODE	BRAND
01	SAMSUNG_4	19	TOSHIBA
02	SAMSUNG_6, LG, LOEWE, PHILIPS, FINLUX, YOKO, LOEWE OPTA, MITSUBISHI, PHONOLA, RADIOLA, SCHNEIDER	20	PHILIPS, PHONOLA, RADIOLA
		21	TOSHIBA, GRUNDIG, CGE, IMPERIAL, MIVAR
03	SAMSUNG_1	22	PHILIPS, SABA, BANG&OLUFSEN, BRIONVEGA, FINLUX, FORMENTI, LOEWE OPTA, METZ, WEGA, PHONOLA, RADIOMARELLI, SINGER, SINUDYNE
04	SAMSUNG_2		
05	SAMSUNG_3		
06	SAMSUNG_5	23	NOKIA, PANASONIC, SABA, PIONEER, REZ, SELECO, SALORA
07	TOSHIBA		
08	PANASONIC_4	24	HITACHI, NORDMENDE, PANASONIC, SABA, TELEFUNKEN, THOMSON, CONTINENTAL, EDISON
09	GRUNDIG, BLAUPUNKT, SIEMENS		
10	SHARP		
11	HITACHI		
12	SANYO, AKAI, FISHER	25	PANASONIC_2
13	HITACHI, SABA, THOMSON, NORDMENDE	26	PANASONIC_3
14	HITACHI, NORDMENDE, SABA, TELEFUNKEN, THOMSON, BRANDT, FERGUSON, PIONEER, TELEAVA	27	PANASONIC_6
		28	TELEFUNKEN
		29	MIVAL
15	SONY	30	LG_2
16	TOSHIBA, SANYO, SHARP, SONY, MITSUBISHI	31	SHARP_2
		32	JVC
17	TOSHIBA, GRUNDIG, FINLUX	33	THOMSON ASIA
18	TOSHIBA	34	THOMSON ASIA

- 1 Turn on the TV.
- 2 Point the DVD's remote at the TV.
- 3 While holding the TV POWER button down, enter the code for your brand.

- 4 If the TV turns off, setup is complete. Enter other codes of the same brand if the first code does not work.
- 5 To operate the TV, use the "TV Function Buttons" described on page 11.

e.g) For SAMSUNG 4 TVs




While holding down the TV POWER button, enter 0 and then 1.

NOTE

The remote may not be able to control every model TV of the brands listed.

Troubleshooting

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
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. 	P18
Disc Menu doesn't appear.	<ul style="list-style-type: none"> Check if the disc has a Menu. 	P38-39
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. 	P38-44
The screen ratio cannot be changed.	<ul style="list-style-type: none"> The Screen Ratio is fixed on your DVDs. 	P42-43
No audio.	<ul style="list-style-type: none"> Make sure you have selected the correct Digital Output in the Audio Options Menu. 	P41
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 MENU 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. 	P44
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. 	

Problem	Action	Page
No DVI output.	<ul style="list-style-type: none"> Check the connection between the TV and the DVI jack of DVD player. See if the TV supports this 576p/480p/720p/1080i DVD player. 	P14~16
Abnormal DVI output screen.	<ul style="list-style-type: none"> If snow noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital content protect). Check the region number of the DVD. When the screen in replay is biased, select A or B in the DVI Output Mode menu. 	P45
DVI output judder.	<ul style="list-style-type: none"> The screen judder phenomenon may occur when frame rate is converted from 50Hz to 60Hz for 720P/1080i DVI(DIGITAL VISUAL INTERFACE) OUTPUT. 	

General	Power Requirements	AC 110~240V, 50/60 Hz
	Power Consumption	18 W
	Weight	2.5 Kg
	Dimensions	430mm (W) X 240mm (D) X 60mm (H)
	Operating Temperature Range	+5°C to +35°C
	Operating Humidity Range	10 % to 75 %
Disc	DVD (DIGITAL VERSATILE DISC)	Reading Speed : 3.49 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 12Cm (COMPACT DISC)	Reading Speed : 1.2 to 1.4 m/sec. Maximum Play Time : 74 min.
	CD : 8Cm (COMPACT DISC)	Reading Speed : 1.2 to 1.4 m/sec. Maximum Play Time : 20 min.
	VCD : 12Cm	Reading Speed : 1.2 to 1.4 m/sec. Maximum Play Time : 74 min. (Video + Audio)
Video Output	Composite Video	2 channel : 1.0 Vp-p (75 Ω load)
	SCART Jack	R(Red) : 0.7 Vp-p (75 Ω load) G(Green) : 0.7 Vp-p (75 Ω load) B(Blue) : 0.7 Vp-p (75 Ω load) Composite Video : 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 : 0.3 Vp-p (75 Ω load)
	DVI	Digital Visual Interface (50 Ω load)
Audio Output	SCART Jack	2 Channel : L(1/L), R(2/R)
	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	0.004 %

*: Nominal specification

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



UNITED KINGDOM

This Samsung product is warranted for the period of twelve (12) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should return the product to the retailer from whom it was purchased. However, Samsung Authorised Dealers and Authorised Service Centers in other EC Countries will comply with the warranty on the terms issued to purchasers in the country concerned. In case of difficulty, details of our Authorised Service Centers are available from:

**Samsung Electronics (U.K.) Ltd.,
Euro Service Centre, Stafford Park 12,
TELFORD, Shropshire TF3 3BJ,
Tel: 0870) 242 0303, Fax: 01952) 297617**

■ WARRANTY CONDITIONS

1. The warranty is only valid if, when warranty service is required, the warranty card is fully and properly completed and is presented with the original invoice or sales slip or confirmation, and the serial number on the product has not been defaced.
2. Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part.
3. Warranty repairs must be carried out by Authorised Samsung Dealers or Authorised Service Centers. No re-imbusement will be made for repairs carried out by non Samsung Dealers and, any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any Country other than the one for which the product was originally designed and manufactured. This warranty will not cover, and no re-imbusement will be made for such adaptation nor any damage which may result.



REPUBLIC OF IRELAND

5. This warranty covers none of the following:
 - a) Periodic check ups, maintenance and repair or replacement of parts due to normal wear and tear.
 - b) Cost relating to transport, removal or installation of the product.
 - c) Misuse, including the failure to use this product for its normal purposes or incorrect installation.
 - d) Damage caused by Lightning, Water, Fire, Acts of God, War, Public Disturbances, incorrect mains voltage, improper ventilation or any other cause beyond the control of Samsung.
6. This warranty is valid for any person who legally acquired possession of the product during the warranty period.
7. The consumers statutory rights in any applicable national legislation whether against the retailer arising from the purchase contract or otherwise are not affected by this warranty. Unless there is national legislation to the contrary, the rights under this warranty are the consumers sole rights and Samsung, its subsidiaries and distributors shall not be liable for indirect or consequential loss or any damage to records, compact discs, videos or audio taper or any other related equipment or material.

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