

DVD Player DVD-E232





UK

Precautions

1. Setting up

- * Refer to the identification label located on the back panel of your player for its proper operating voltage.
- * Install your player in a cabinet with adequate ventilation holes. (7~10cm)
- Do not block ventilation holes on any of the components for circulation of air.
- * Do not push the disc tray by the hand.
- * Do not stack components
- * Be sure to turn all components off before moving the player.
- * Before connecting other components to this player, be sure to turn them off.
- * Be sure to remove the disc and turn off the player after use, especially if you don't use it for a long time.

2. For your safety

* 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 covers and do not repair yourself. Refer servicing to qualified personal.

3. Caution

- * Your player is not intended for industrial use but for domestic purposes. Use of this product is for personal use only.
- * Do not put any container filled with liquid or any small metal objects on the player.
- * Exterior influences 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.
- * When condensation forms inside the player due to sharp changes in temperature, the player may not operate correctly. If this occurs, leave the player at room temperature until the inside of the player becomes dry and operational.

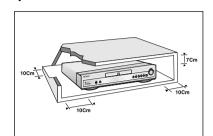
4. Disc

- * Do not clean record-cleaning sprays, benzene, thinner, or other volatile solvents that may cause damage to the disc surface.
- * Do not touch the disc's signal surface. Hold by the edges or by one edge and the hole in the center
- * Wipe the dirt away gently; never wipe a cloth back and forth over the disc.

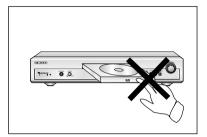
5. Environmental info

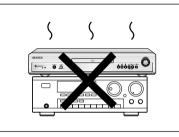
The battery used in this product contains chemicals that are harmful to the environment. So, dispose of batteries in the proper manner, according to federal, state, and local regulations.

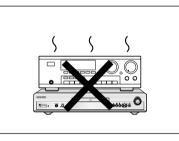
CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

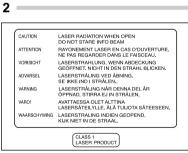


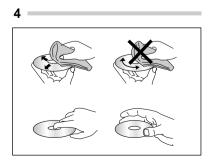
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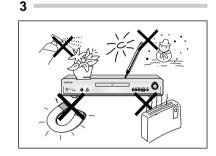


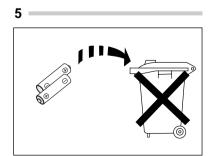




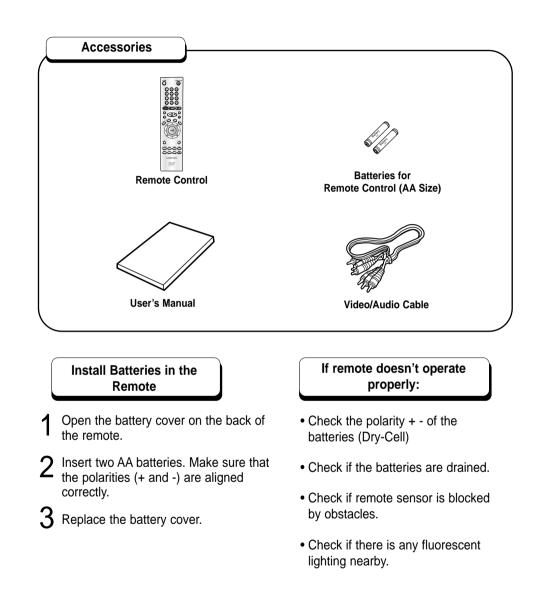








Before You Start



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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)

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.

EZ VIEW

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

COPY PROTECTION

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.



* Discs which cannot be played with this player.

DVD-RAM

• CDV

- DVD-ROM
- CD-ROM
- 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
- * It may not play CD-R, CD-RW and DVD-R in all cases due to the type of disc or condition of the recording.
- 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.

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

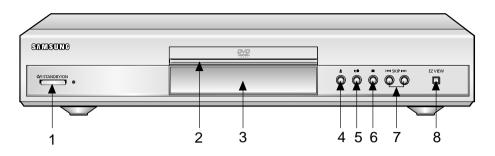
Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics	
DVD	Audio	12 Cm	Single-sided 240 min. Double-sided 480 min.	• DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system.	
VIDEO	+ Video	8 Cm	Single-sided 80 min. Double-sided 160 min.	• Various screen and audio functions can be easily selected through the on- screen menu.	
AUDIO-CD	Audia	12 Cm	74 min.	CD is recorded as a Digital Signal with better audio quality, less	
	Audio -	8 Cm	20 min.	distortion and less deterioration of audio quality over time.	

Disc M	arkings					
~	PAL	DIGITAL	STEREO	DIGITAL SOUND	dts	
• Play Region Number	• PAL broadcast system in U.K, France, Germany, etc.	Dolby Digital disc	Stereo disc	Digital Audio disc	DTS disc	• MP3 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.



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. DISC TRAY

• Place the disc here.

3. DISPLAY

• Operation indicators are displayed here.

4. OPEN/CLOSE

• Press to open and close the disc tray.

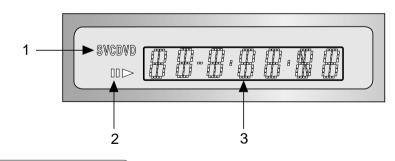
5. PLAY/PAUSE (►/II) • Begin or pause disc play.

6. STOP (■)
• Stops disc play.

7. SKIP (I≪ / ►)
• Use to skip a scene or music.

8. EZ VIEW

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



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.

Image: Auton out <td

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, MPEG-2 or DTS decoder.

2. ANALOG AUDIO OUT JACKS

• Connect to the Audio input jacks of your television, audio/video receiver.

3. VIDEO OUT JACKS

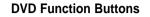
• Use a video cable to connect to the Video input jack on your television.

4. S-VIDEO OUT JACK

 Use the S-Video cable to connect this jack to the S-Video jack on your television for a higher picture quality. The video output in setup menu must be set to the S-Video.

5. SCART AV JACK

• Connect to a TV with scart input jack.



- DVD POWER Button

 Turns the power on or off.
- 2. NUMBER Buttons
- **3. STEP Button** Advances play one frame at a time.
- 4. I.REPLAY Button
 This function is used to replay the previous 10 seconds of the movie from the current position.
- 5. EZ VIEW Button
 - Easy View can convert Letter Box images to full screen viewing on your conventional TV.
- 6. SEARCH Buttons (◀ / ►)
 Allows you to search forward/backward through a disc.
- 7. STOP Button (
- 8. DISC MENU Button
 Brings up the Disc menu.
- 9. TITLE MENU Button
 Brings up the Title menu.
- 10. CLEAR Button

 Use to remove menus or status displays from the screen.
- 11. BOOKMARK Button
- **12. MENU Button**Brings up the DVD player's setup menu.
- 13. OPEN/CLOSE Button
 - To open and close the disc tray.
- 14. 3D Button

15. I.SKIP Button

• This function skips playback ahead 10 seconds.

- 16. PLAY/PAUSE Button (►/II)
 Begin/Pause disc play.
- 17. SKIP Buttons (I → I → I)
 Use to skip the title, chapter, or track.
- 18. RETURN Button• Returns to a previous menu.
- 19. INFO ButtonDisplays the current disc mode.
- 20. ENTER/DIRECTION Button (UP/DOWN or LEFT/RIGHT Buttons) • This button functions as a toggle switch.
- 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.

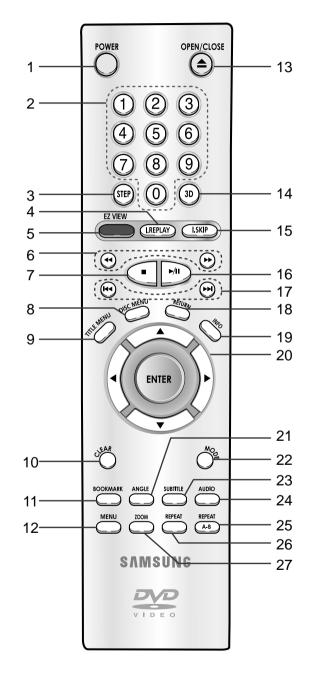
25. REPEAT A-B Button

• Use to mark a segment to repeat between A and B.

26. REPEAT Button

Allows you to repeat play a title, chapter, track, or disc.

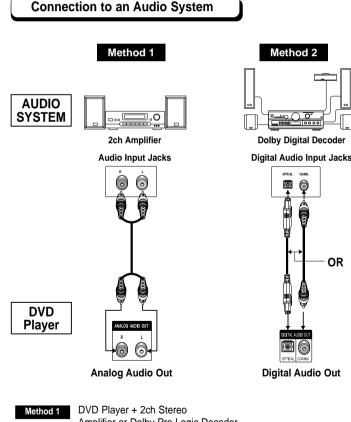
27. ZOOM ButtonEnlarges the DVD picture.

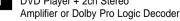


The following shows examples of connections commonly used to connect the DVD player with a TV and other components.

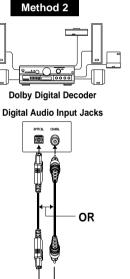
Before Connecting the DVD Player

- 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.



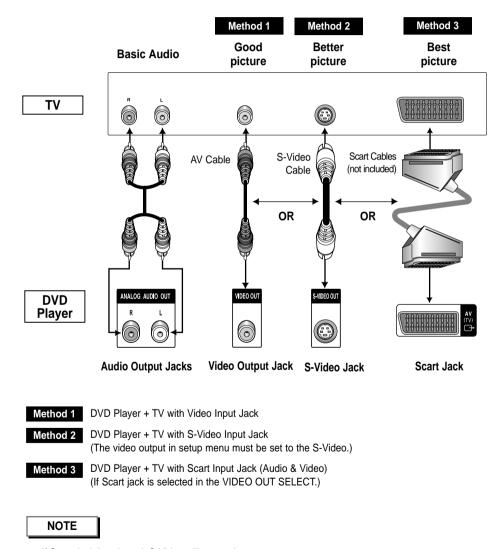


DVD Player + Amplifier with Dolby Digital Method 2 Decoder/DTS Decoder/MPEG-2



Connection to a TV (For Video)

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



If Scart Jack is selected, S-Video will not work.

If S-Video is selected, Scart Jack will not work.

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.)



Step Motion Play (Only DVD)

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 (▶/II) to resume normal play. (You can only perform step motion play in the forward direction.)

8 Slow Motion Play (Only DVD)

Press the >> button on the remote during PAUSE or STEP mode.

By pressing the ▶ 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 (>/II) to resume normal play.
- Reverse slow motion play will not work.

Play

- 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 (►/II) 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 (►/II) or STEP button on the remote during play. - Screen stops, no sound.

- To resume, press PLAY/PAUSE (>/II) button once again.

RESUME function

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



- 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 (►/II) button to resume normal play.
- This Ø 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

Press the *I* or *I* button on the remote and press again to search at a faster speed on the DVD, CD.

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

Skipping Tracks

During play, press the \bowtie or \bowtie button.

- When plaving a DVD, if you press the *b* 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 CD, if you press the D button, it moves to the next track. If you press the *i* button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.

When Playing a DVD/CD

- During play, press the INFO button on the remote. DVD
- 2 Use the UP/DOWN buttons to select the desired item
- 3 Use the LEFT/RIGHT buttons to make the desired setup.
 - 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.

To make the screen disappear, press the INFO button again.



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



0:00:13

ENG 5.10

ENTER

5

CD



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



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



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



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



A surround sound effect is generated using only two Real front speakers.

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.
- $2 \begin{array}{l} \text{Select Title Menu using the UP/DOWN buttons,} \\ \text{then press the RIGHT or ENTER button.} \end{array} \right.$



- Using the Function Menu
- Press the MENU button during playback.
- 2 Use the UP/DOWN buttons to highlight Function, then press the RIGHT or ENTER button.
- **3** Function selection screen appears, Info, Zoom, Bookmark, Repeat and EZ View.
 - Info (See Page 17)
 - Zoom (See Page 30)
 - Bookmark (See Page 29)
 - Repeat (See Page 20)
 - EZ View (See Page 22~23)

Use the UP/DOWN button to highlight one of the 5 functions. Then press the RIGHT or ENTER button to access the function.



• 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 Title Menu and the Disc Menu, using the TITLE MENU and the DISC MENU buttons on the remote.

NOTE

· You can also directly select the parts of these functions using thier respective buttons on the remote.

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



- **1** Press the REPEAT button on the remote. Repeat screen appears.
- 2 Select Chapter, Title or A-B using the LEFT/RIGHT buttons.
 - Chapter : repeats the chapter that is playing.
 - Title : repeats the title that is playing.
 - A-B : repeats a segment of the disc that you select.

* REPEAT A-B

- Press the REPEAT button. Select A-B on screen with the LEFT/RIGHT buttons or press the 'REPEAT 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).
- To terminate the function, press the 'CLEAR' button or the 'REPEAT A-B' button again.
- 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.

NOTE

- DVD repeats play by chapter or title, CD repeat play by disc or track.
- Depending on the disc, the Repeat function may not work.





CD



Program Play (CD)

Press the MODE 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.
- Press the PLAY/PAUSE (►/II) button. The disc will be played in programmed order.
 - While in playback mode, press the CLEAR button on the remote control to cancel Programmed Play.





Random Play (CD)

- Press the MODE 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.
- This unit can support a maximum of 20 programmed order.
- This function is also cancelled when you eject the disc from the player.

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 41).

If you are using a 16:9 TV

• 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.

Por 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.

If you are using a 4:3 TV

• 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.

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

When playing a DVD

- During play, press the PLAY/PAUSE (►/II) button.
- 2 Press the ➡ 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 the function starts. (A)
- A Press the REPEAT A-B button to select the point where the function ends. (B)

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

Using the AUDIO button

- 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 CD)



CD

⊲) Stereo ≤ ≥



NOTE

- The disc will play 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.
- A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.

NOTE

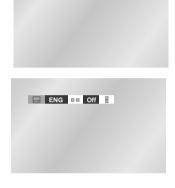
- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 8 audio languages.
- How to have the same audio language come up whenever you play a DVD; Refer to "Setting Up the Language Features" on page 39.

Selecting the Subtitle Language

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

Using the SUBTITLE button

- 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 subtitle will not appear on screen.
 - The subtitle languages are represented by abbreviations.



ENG 💵 On 💆

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 ((a)) 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.
- 2 Use the LEFT/RIGHT buttons to select the desired screen angle.
- ${\bf 3} \ \, {\rm To \ turn \ off \ the \ display, \ press \ the \ ANGLE} \\ {\rm button \ again.}$

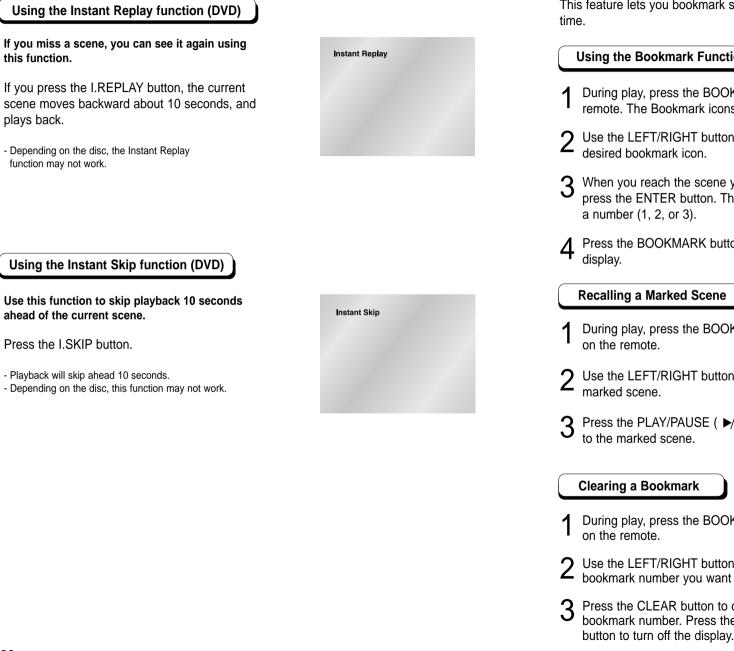


NOTE

- 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 39.

NOTE

• If the disc has one angle, this feature won't work. Currently, very few discs have this feature.



· Depending on the disc, the Bookmark function may not work.

29

This feature lets you bookmark sections of a DVD so you can guickly find them at a later

Using the Bookmark Function (DVD)

- During play, press the BOOKMARK button on the remote. The Bookmark icons will be displayed.
- Use the LEFT/RIGHT buttons to move to the
- When you reach the scene you want to mark, press the ENTER button. The icon will change to
- Press the BOOKMARK button to turn off the

Recalling a Marked Scene

- During play, press the BOOKMARK button
- Use the LEFT/RIGHT buttons to select a
- Press the PLAY/PAUSE (▶/II) buttons to skip
- During play, press the BOOKMARK button
- Use the LEFT/RIGHT buttons to select the bookmark number you want to delete.
- Press the CLEAR button to delete a bookmark number. Press the BOOKMARK

📬 1 – – 🛛 🖻 🗖 CLEAR

· Up to three scenes may be marked

NOTE

at a time.

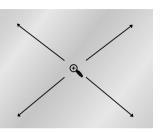


Using the Zoom Function (DVD)

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.

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.)

- During play, press the 3D button.
- The 3D SOUND mark will be displayed on screen.
- $2 \begin{array}{c} {\rm Press \ the \ UP/DOWN \ buttons \ to \ turn \ the} \\ {\rm 3D \ Sound \ feature \ on \ or \ off.} \end{array}$

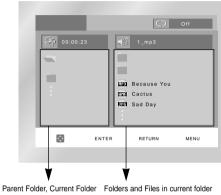


NOTE

- 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.

- Open the disc tray.
- Place the disc on the tray.
- Place the disc with the labeled side up.
- **3** Close the tray.

- The tray closes and you should get a screen that looks like the one below.



Parent Folder, Current Folder Folders and Files in current folder and Peer Folders

- : File name of currently playing.
- : Current Playback Time.
- Current Playback Mode : There are 4 modes, toggle by the REPEAT button.
 Off : Normal Playback
 - Track : Repeat the current track.
 - Folder : Repeat the current folder.
 - RANDOM : Files in the disc will be played in random order.
 - * If you select the JPEG, the function doesn't work.
- THE : MP3 file icon.
- JPEG file icon.
- IIIII : WMA file icon.
- Folder icon.
- 🚤 : Current Folder icon.

Folder Selection

The folder can only be selected in the Stop mode.

• To select the Parent Folder

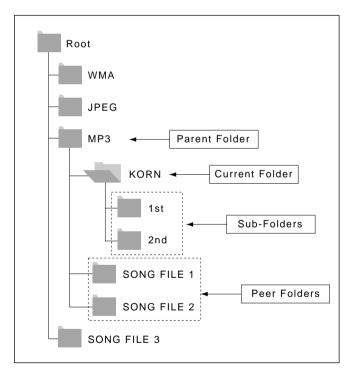
Press the RETURN button to go to Parent folder, or use the UP/DOWN buttons to select ".." and press ENTER to go to the Parent folder.

• To select the peer folder

Use the LEFT/RIGHT buttons to highlight left window. Use the UP/DOWN buttons to select the desired folder, then press ENTER.

· To select the sub-folder

Use the LEFT/RIGHT buttons to highlight right window. Use the UP/DOWN buttons to select the desired folder, then press ENTER.



Open the disc tray.

Place the disc on the tray. - Load the disc with the labeled side up.

3 Place the tray. - The trav closes and you should get a screen that looks like the one below.

MP3/WMA Play Function

- Select the desired folder. (See page 32 to change folder.)
- 2 Use the UP/DOWN buttons to select a song file.
- **3** Press ENTER to begin playback of the song file.



Repeat/Random playback

Press the REPEAT button to change playback mode. There are 4 modes, Off, Track, Folder and RANDOM.

- Off : Normal Playback
- Track : Repeats the current song file.
- Folder : Repeats the song files which have the same extention in the current folder.
- RANDOM : Song files which have the same extension in disc will be played in random order.

* To resume normal play, press the CLEAR button.

MP3/WMA Play

Picture CD Playback

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: (.,/, h,=,+).

• 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 the sound quality of audio CD 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 the sound quality of audio CD 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 3000 files and 300 folders per disc.

Select the desired folder. (See Page 32 to select the folder)

2 Highlight by using the UP/DOWN buttons to select a picture file and press the

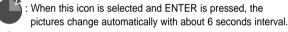
- ENTER Button in clip menu. You should get a screen that looks like the one below.
- E : Return to the Album Screen.
- Each time the ENTER button is pressed, the picture rotates 90 degrees clockwise.
- \bigoplus : Each time the ENTER button is pressed, the picture is enlarged up to 4X. (Normal \rightarrow 2X \rightarrow 4X \rightarrow 2X \rightarrow Normal)
- The unit enters slide show mode.



Picture View Mode

3 Highlight by using the LEFT/RIGHT buttons to select T and press the ENTER button in the Picture View Mode. You should get a screen that looks like the one below.

*Before the Slide Show begin, the picture interval must be set.



- : The pictures change automatically with about 12 seconds interval.
- C : The pictures change automatically with about 18 seconds interval.

*Depending on the file size, each interval between images may take longer or shorter than the manual suggests.

*Press the PLAY/PAUSE button if you want to turn off the Slide Show.



ADVANCED FUNCTIONS

- 4 Press the TITLE MENU button in the Picture View Mode or the Slide Show Mode. You should get a screen that looks like the one below.
- Use the UP/DOWN or LEFT/RIGHT buttons on the remote control to select the picture you want to view and then press the ENTER button.
- To see the next 6 pictures, press the ▶ button.
- To see the previous 6 pictures, press the I dutton.





Album Mode

• If no buttons on the remote control pressed for 10 seconds, the menu will disappear.

- Press the UP/DOWN or LEFT/RIGHT buttons on the remote control to display the menu again.
- Press the STOP button to return to the clips menu.

• When playing a Kodak Picture CD, the unit displays the Photo directly, not the clips menu.

CD-R JPEG Discs

- Only files with the ".jpg" and ".JPG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- The name of the JPEG file may not be longer than 8 characters and should contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 500 images can be stored on a single CD.
- When playing a Kodak Picture CD, only the JPEG files in the pictures folder can be played.
- Kodak Picture CD : The JPEG files in the pictures folder can be played automatically.
- Konica Picture CD : If you want to see the Picture, select the JPEG files in the clips menu.
- Fuji Picture CD : If you want to see the Picture, select the JPEG files in the clips menu.
- QSS Picture CD : The unit cannot play QSS Picture CD.
- If a number of files in 1 Disc is over 3000, only 3000 JPEG file can be played.
- If a number of folders in 1 Disc is over 300, only JPEG files in 300 folders can be played.

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.

- 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.
 - Language Setup : Setup of the Language.
 - **O** Audio Setup : Setup of the Audio Options
 - **Display Setup :** Setup of the Display Options Use to select which type of screen you want to watch and several display options.
 - 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.
- 2 Use the UP/DOWN buttons on the remote to access the different features.

 ${\bf 3}$ 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.

DVD			
B isc Menu	Language Setup		►
2	Audio Setup		►
Title Menu	Display Setup		►
Function	Parental Setup :	-	
Setup			
	ENTER RETURN	MENU)

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

e.g) Setting up in English.

With the unit in Stop mode, press the MENU button.

- 2 Select Setup using UP/DOWN buttons, then RIGHT or ENTER button.
- $3 \begin{array}{l} \text{Select Language Setup using UP/DOWN buttons,} \\ \text{then press the RIGHT or ENTER button.} \end{array} \\$
- 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.

Using the Disc Menu Language

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

- With the unit in Stop mode, press the MENU button.
- 2 Select Setup using UP/DOWN buttons, then RIGHT or ENTER button.
- $3 \hspace{0.1 cm} \begin{array}{l} \hspace{0.1 cm} \text{Select Language Setup using UP/DOWN buttons,} \\ \hspace{0.1 cm} \text{then press the RIGHT or ENTER button.} \end{array}$
- 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.

ENTER

RETURN



Using the Audio Language

- 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.
- Select Audio using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 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

- With the unit in Stop mode, press the MENU button.
- 2 Select Setup using UP/DOWN buttons, then RIGHT or ENTER button.
- $\label{eq:select_language_setup} 3 \begin{array}{l} \text{Select Language Setup using UP/DOWN buttons,} \\ \text{then press the RIGHT or ENTER button.} \end{array}$
- 4 Select **Subtitle** using UP/DOWN buttons, then press the RIGHT or ENTER button.
- 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.

AJDIO LANGUARE English Français Audio Deutsch Español Italiano Nederlands Original Others

SUBITILE LANGUAGE Automastic English Français Subtitle Deutsch Español Italiano Nederlands Others E



- 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

- With the unit in Stop mode, press the MENU button.
- $2 \begin{array}{l} \text{Select } \textbf{Setup} \text{ using UP/DOWN buttons, then RIGHT} \\ \text{or ENTER button.} \end{array}$
- 3 Select Audio Setup using UP/DOWN buttons, then press the RIGHT or ENTER button.
 - Use the UP/DOWN buttons to select the desired item. Then press the RIGHT or ENTER button.

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.

Ø 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.

ODTS

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

Operation Operation Dynamic Compression

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

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.





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.

- TV Aspect
- Ø Still Mode
- Screen Messages
- O Front Display
- Black Level
- O NTSC Disc Output
- Video Output











• 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

Setting Up the Parental Control

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.

Ø 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.

Screen Messages

Use to turn on-screen messages On or Off.

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.

Black Level

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

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.

Video Output

- 1. Video : Sends COMPOSITE VIDEO signal from the AV JACK(SCART terminal).
- 2. RGB : Sends RGB signal from the AV JACK(SCART terminal).
- 3. S-Video : Sends S-VIDEO signal from the AV JACK(SCART terminal) and S-Video.

Video Output SETUP MENU	CVBS	S-Video	SCART
VIDEO	0	0	Video
S-VIDEO	0	0	S-Video
RGB	0	Х	RGB

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.

- 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. Enter the new password again.



- 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.



	PAREN	TAL SETUP
Use Password	: No	
ENTER	RETURN	MENU





e.g) Setting up in LEVEL6.



CHANGING SETUP MENU

Troubleshooting

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

Problem	Action Check the batteries in the remote. You 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 to operate remote again.	
No operations can be performed with remote.		
Disc does not play.	 Ensure that the disc is installed with the label side facing up. Check the region number of the DVD. 	
5.1 channel sound is not being reproduced.	 5.1 channel sound is reproduced only when the following conditions are met. : 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 P40
The ⊘ icon appears on screen.	 The features or action cannot be completed at this time because: 1. The DVD's software restricts it. 2. The DVD's software doesn't support the feature (e.g., angles). 3. The feature is not available at the moment. 4. You've requested a title or chapter number or search time that is out of range. 	P15
Disc Menu doesn't appear.	Check if the disc has a Menu.	
Play mode differs from the Setup Menu selection.	Some of the functions selected in the Setup Menu may not work properly if the disc is not encoded with the corresponding function.	P37~43
The screen ratio cannot be changed.	The Screen Ratio is fixed on your DVDs.	P41~42
No audio.	Make sure you have selected the correct Digital Output in the Audio Options Menu.	
Forgot password	Sword Press power on from a cold start with no disc in the unit. Press the STOP (■) and PLAY (▶/II) 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.	
If you experience other problems.	 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. 	

	Power Requirements	AC 230V, 50 Hz
Ï	Power Consumption	12 W
General	Weight	2.4 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.
Disc	CD : 12Cm (COMPACT DISC)	Reading Speed : 1.2 to 1.4 m/sec. Maximum Play Time : 74 min.
ſ	CD : 8Cm	Reading Speed: 1.2 to 1.4 m/sec.
	(COMPACT DISC)	Maximum Play Time : 20 min.
	Composite Video	2 channel : 1.0 Vp-p (75 Ω load)
Video Output	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) Luminance Signal : 1.0 Vp-p (75 Ω load) Color Signal : 0.3 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)
	SCART Jack	2 Channel : L(1/L), R(2/R)
[2 channel	L(1/L), R(2/R)
Audio Output	*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
L.		

*: Nominal specification

• Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.

• Weight and dimensions are approximate.



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-imbursement 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-imbursement will be made for such adaptation nor any damage which may result.

REPUBLIC OF

- 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 faiure 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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