

SAMSUNG

SAMSUNG

ELECTRONICS



DVD PLAYER
DVD-N505

1. Setting up

Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (7-10cm). Make sure the ventilation slots are not covered. Do not stack other heavy devices on top of the player. Do not place the player on amplifiers or other equipment, which may become hot. Before moving the player ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electricity supply. In order to separate the player completely from the mains, it has to be disconnected by unplugging the main plug. This is recommended when left unused for a long period of time.

2. Caution

Protect the player from; moisture (ensure no objects filled with liquids e.g. vases, are placed on the player), excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (e.g. speakers). Disconnect the power cable from the mains electricity supply if the player malfunctions. Your player is not intended for industrial use but for domestic personal purposes only. **WARNING:** If your player or discs have been stored in a cold atmosphere e.g. during transportation in the winter, wait for approximately 2 hours until they have reached room temperature before use.

3. For your safety

Never open the player or any of its components, this can be dangerous to you and may damage fragile components. Do not place your eyes close to the opening of the disc tray or any other opening to look inside the player.

4. Disc

Always handle your discs with care. Hold a disc by the border or centre hole. Always place disc with the label facing upward (especially single sided discs). To clean discs, always use a soft damp (water only) cloth to clean disc. Wipe from the centre to the border. Always put disc back into their cases after playing and store in a vertical position. Always place the disc properly into the tray using the proper guide area. Never use record cleaning sprays, benzene, static electricity liquids or any other solvent, to clean disc.

5. Battery

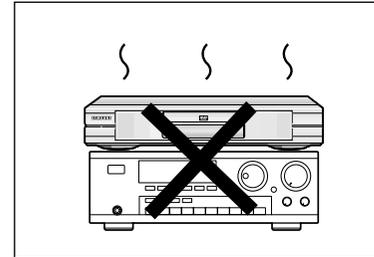
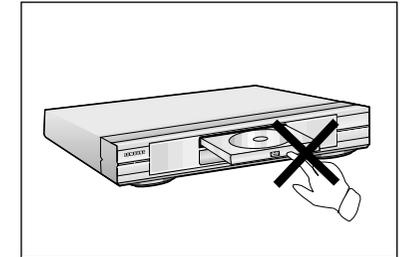
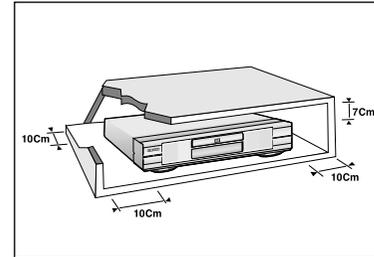
The battery used in this product contains chemicals that are harmful to the environment. Do not dispose of batteries with the general household waste. **RECOMMENDATION:** Replacement of the battery should be carried out by a qualified technician.

6. Maintenance of cabinet

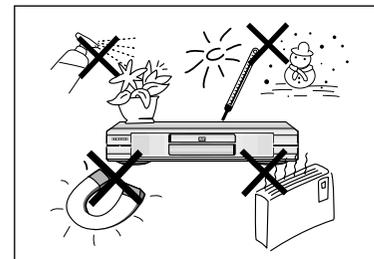
For safety reasons, be sure to disconnect the AC power cord from the AC outlet.

- Do not use solvents for cleaning.
- Wipe the cabinet with a soft cloth.

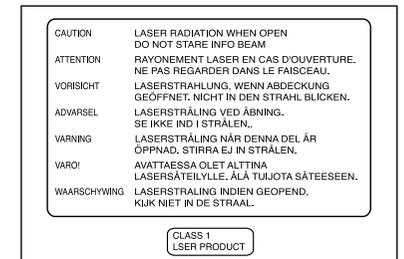
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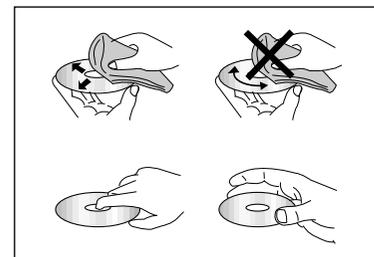
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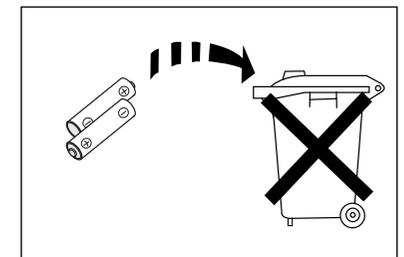
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4



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About Discs

Discs you can play



Digital video discs

5" and 3 1/2", Single, double sided or dual layer.
DVDs are high density optical discs on which high quality picture and audio are recorded.



Video CDs

5" and 3 1/2" (With or without playback control).



Audio CDs

5" and 3 1/2"



NUON interactive DVD software

Disc Functions

Functions and information available on the DVDs (titles, chapters, subtitles, ratings, multi-angles and more) may differ from disc to disc.

- When  appears on screen, it indicates an invalid button has been pressed.

Discs that cannot be played

CD-I, CD-ROM, DVD-ROM, DVD-RAM discs cannot be played in this unit. CD-G can play audio only, not graphics.



Region code

Your DVD player is designed and manufactured to respond to three-region management information that is recorded on a DVD disc.

COPY PROTECTION

- Many DVD discs are encoded with copy protection. Due to 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 when viewing copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by claims of U.S. patents and other intellectual property rights owned by the Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorised by the Macrovision Corporation, and is intended for home and other limited viewing uses, unless otherwise authorised by the Macrovision Corporation. Reverse engineering or disassembly is prohibited.

DVD-N505



General Features

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.

Lock

The parental control allows users to set the level necessary to prohibit children from viewing harmful movies containing violence or adult subject matter.

Various On-Screen Menu Functions

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

Repeat

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

MP3

This unit can play discs created from MP3 files.

HDCD

This unit can play HDCD (High Definition Compact Discs). These discs have a higher sampling rate than regular CDs which contributes to superior sound reproduction.

NOTE

- * The MP3 files encoded within 56kbps to 256kbps are played, but the other files might not normally be played.
- * If there are any gaps (blank data) on multi-session discs, you may experience playback problems.
- * In case of multi-session disc, only continuously recorded discs can be played. If there is a blank date in the middle, this disc can be played only up to continuous sessions.
- * In case of VBR (variable bit rate) files, an intermittent or abnormal sound might be heard.
- * HDCD®, High Definition Compatible Digital® and Pacific Microsonics™ are either registered trademarks or trademarks of Pacific Microsonics, Inc. in the United States and/or other countries. HDCD system manufactured under license from Pacific Microsonics, Inc. This product is covered by one or more of the following: In the USA: 5,479,168, 5,638,074, 5,640,161, 5,808,574, 5,838,274, 5,854,600, 5,864,311, 5,872,531, and in Australia: 669114. Other patents pending.

Disc Markings



- Play Region Number
- PAL broadcast system in UK, France, Germany etc.
- Dolby Digital disc
- Stereo disc
- Digital Audio disc
- DTS disc

Play Region Number

Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

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

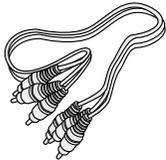
Accessories



Remote Control



Batteries for Remote Control (AA Size)



Video/Audio Cable



User's Manual

Install Batteries in the Remote

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

If remote does not operate properly

- Check the polarity (+ and -) 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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PLAY

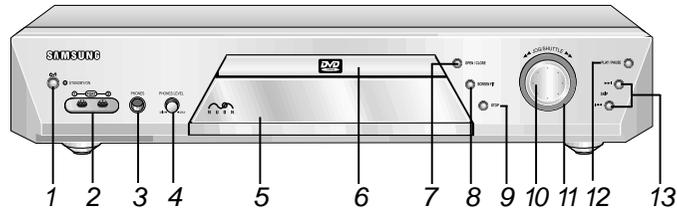
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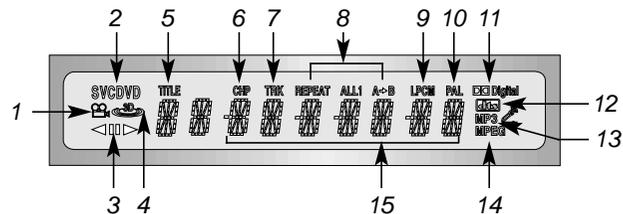
REFERENCE

Description-Front Panel



Front Panel Controls

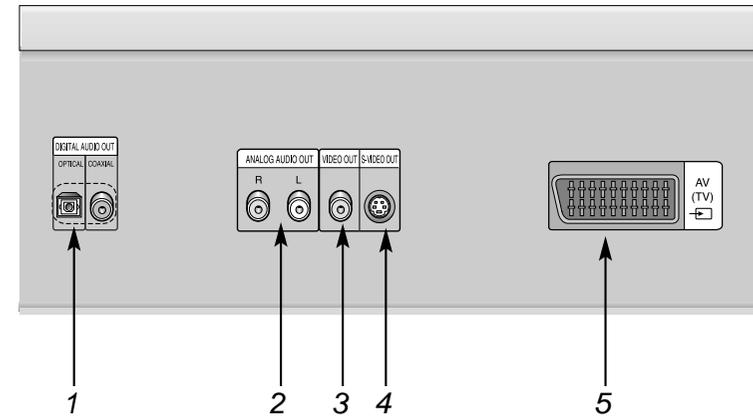
- | | |
|---|--|
| <p>1 STANDBY/ON
•When the unit is first plugged in, this indicator lights.</p> <p>2 NUON PORTS
•Allow you to plug in a joystick or other peripherals.</p> <p>3 HEADPHONES JACK
•You can attach headphones here for private listening.</p> <p>4 HEADPHONES VOLUME
•Use to adjust headphones volume level.</p> <p>5 DISPLAY
•Operation indicators are displayed here.</p> <p>6 DISC TRAY
•Press OPEN/CLOSE to open and close the disc tray.</p> | <p>7 OPEN/CLOSE
•Press to open and close the disc tray.</p> <p>8 SCREEN FIT
•Allows you to eliminate the black bars of the screen and fill any TV screen completely with the picture.</p> <p>9 STOP
•Stops disc play.</p> <p>10 JOG DIAL
•Operates frame by frame play. In CD mode, performs track search.</p> <p>11 SHUTTLE DIAL
•Performs fast or slow motion play.</p> <p>12 PLAY/PAUSE
•Begin or pause disc play.</p> <p>13 SKIP
•Use to skip chapters or tracks.</p> |
|---|--|



Front Panel Display

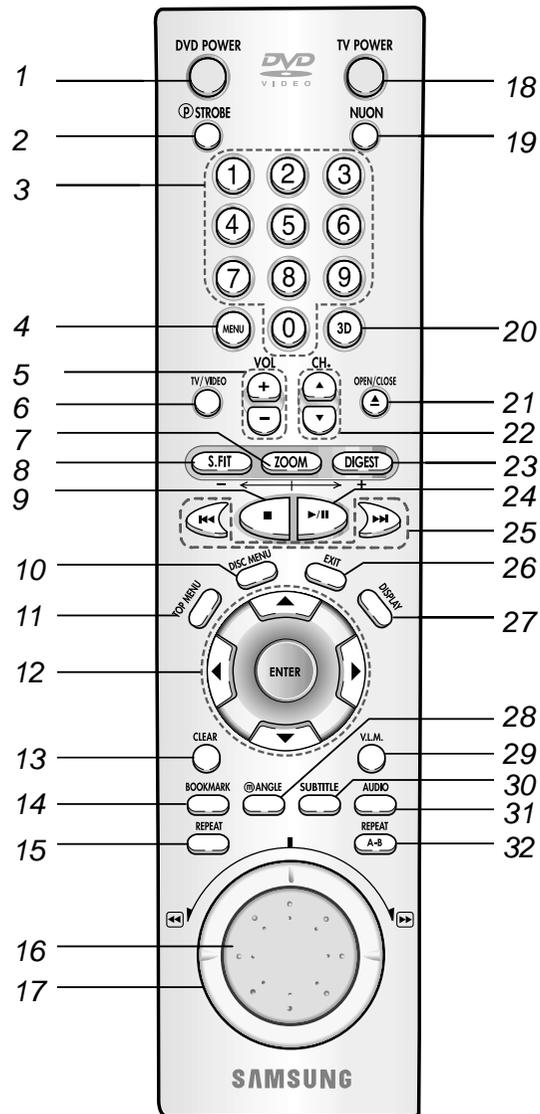
- | | |
|---|--|
| <p>1 Angle indicator. You can select multiple angles of a scene recorded by different cameras.</p> <p>2 Disc type indicators</p> <p>3 Reverse play / Pause / Forward play</p> <p>4 Lights when 3D surround is turned on.</p> <p>5 Title number</p> <p>6 Chapter number.</p> <p>7 Video/Audio CD : Track number</p> <p>8 Repeat play mode</p> <p>9 Linear PCM audio output</p> <p>10 PAL indicator</p> <p>11 Dolby Digital Audio output</p> | <p>12 DTS (Digital Theater System) output</p> <p>13 MP3 indicator</p> <p>14 MPEG-2 Audio output</p> <p>15 Displays various messages concerning operations such as PLAY, STOP, LOAD, ...</p> <p>no DISC : No disc loaded.</p> <p>OPEN : The disc tray is open.</p> <p>LOAD : Player is loading disc information.</p> <p>HDCCD® : When an HDCCD® recording is detected, the letters "HDCCD" will flash for about 10 seconds at the beginning of every track.</p> |
|---|--|

Description-Rear Panel



Rear Panel Jacks

- 1 DIGITAL AUDIO OUT JACK**
 - Use 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 decoder or DTS decoder.
- 2 ANALOG AUDIO OUT JACKS**
 - Connect to the Audio input jacks of your television, audio/video receiver, or VCR.
- 3 VIDEO OUT JACK**
 - 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 quality picture.
- 5 SCART AV JACK**
 - Connect to a TV with scart output jack.



DVD Function Buttons

- | | |
|--|---|
| <p>1 DVD POWER Button</p> <p>2 $\text{\textcircled{P}}$ STROBE Button
• Shows snapshots of nine successive frames of the movie as it plays. You may pause and select one frame.</p> <p>3 NUMBER Buttons</p> <p>4 MENU Button
• Brings up the Disc menu.</p> <p>5 VOLUME Buttons</p> <p>6 TV/VIDEO Button</p> <p>7 ZOOM Button</p> <p>8 S.FIT Button / Zoom Out</p> <p>9 STOP Button</p> <p>10 DISC MENU Button</p> <p>11 TOP MENU Button
• Take you to the menu on the DVD disc or CD/VCD.</p> <p>12 ENTER/DIRECTION Button (UP/DOWN or LEFT/RIGHT buttons)</p> <p>13 CLEAR Button
• Use to remove pop-up menus or status displays from the screen.</p> <p>14 BOOKMARK Button
• Use to memorise scenes for replay.</p> <p>15 REPEAT Button
• Allows you to repeat play a title, chapter, track, or disc.</p> <p>16 JOG DIAL
• Operates frame-by-frame play. In CD mode, performs track search.</p> <p>17 SHUTTLE DIAL
• Performs fast or slow motion play.</p> | <p>18 TV POWER Button</p> <p>19 NUON Button
• Pressing this button brings up a special NUON menu. When a DVD disc has enhanced NUON content, you can navigate and view this extra content by going to this menu first.</p> <p>20 3D Button</p> <p>21 OPEN/CLOSE Button</p> <p>22 CHANNEL Buttons</p> <p>23 DIGEST Button / Zoom In</p> <p>24 PLAY/PAUSE Button
• Begin/Pause disc play.</p> <p>25 SKIP Buttons
• Use to skip the title, chapter, or track.</p> <p>26 EXIT Button
• Returns to a previous menu.</p> <p>27 DISPLAY Button
• Use to see the status of various settings.</p> <p>28 $\text{\textcircled{A}}$ ANGLE Button
• Use to access various camera angles on a DVD.</p> <p>29 V.L.M. Button (Virtual Light Machine)</p> <p>30 SUBTITLE Button</p> <p>31 AUDIO Button
• Use this button to access various audio functions on a disc.</p> <p>32 REPEAT A-B Button
• Use to mark a segment to repeat between A and B.</p> |
|--|---|

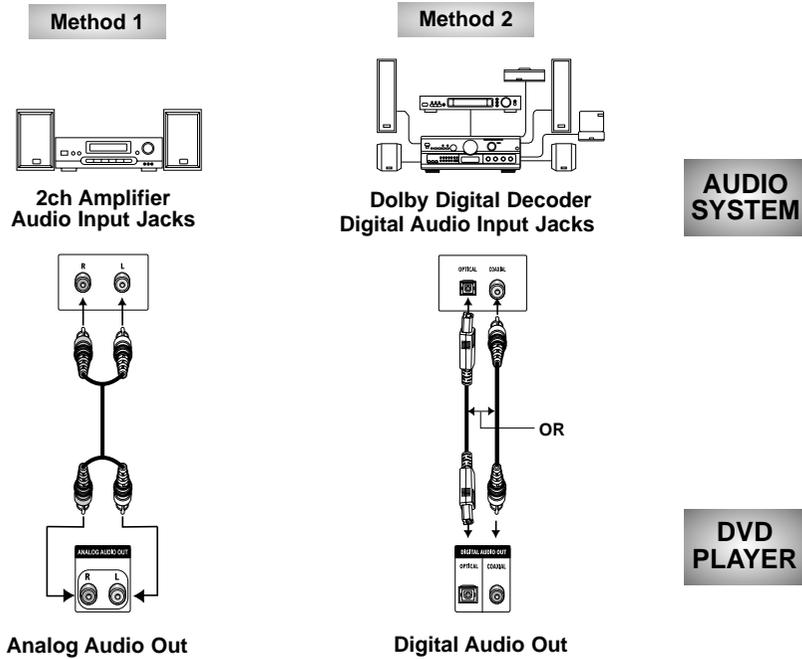
Choosing a Connection

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

Before Connecting the DVD Player

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

Connection to an Audio System



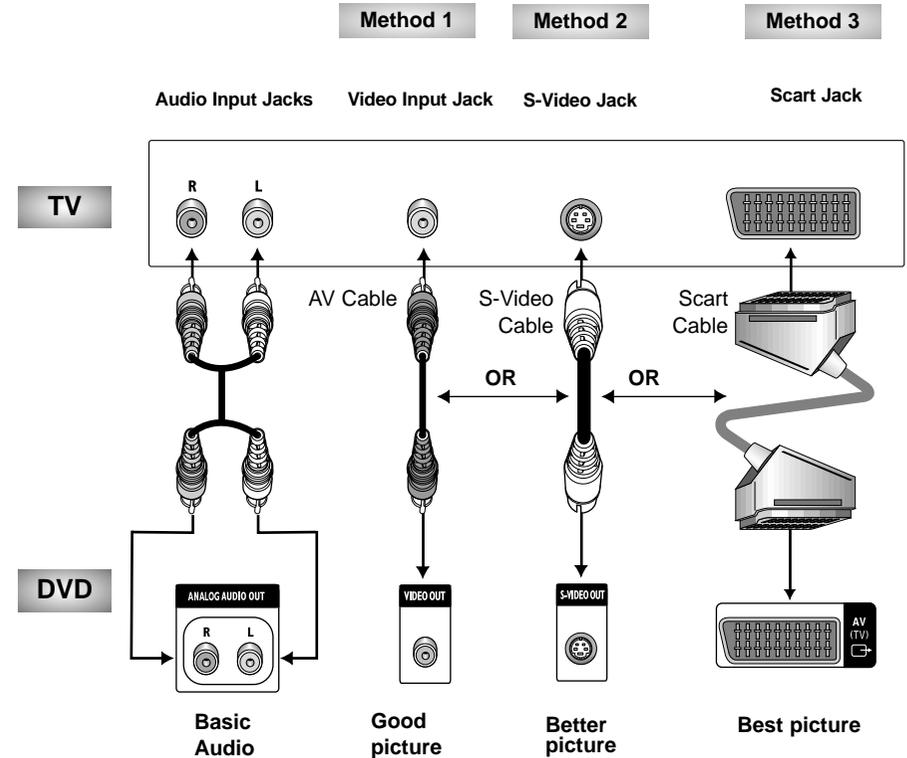
Connection to an Audio System

- **Method 1** DVD Player + 2CH Stereo Amplifier, Dolby Pro Logic Decoder
- **Method 2** DVD Player + Amplifier with Dolby Digital Decoder/DTS Decoder

Choosing a Connection

Connection to a TV

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



Connection to a TV (For Video)

- **Method 1** DVD Player + TV with Video Input Jack
- **Method 2** DVD Player + TV with S-Video Input Jack
- **Method 3** DVD Player + TV with Scart Input Jack

Using the Menu

The Menu lets you customise your DVD player by allowing you to select various language preferences, set up a parental control, even adjust the player to the type of television screen you have.

- 1 Press the MENU button on the remote.

- **Language**

- Setup of the Menu Language.
The language in which you would like to view your SAMSUNG DVD menus.

- **Movie**

- Setup of the Movie.

- **Audio**

- Setup of the Audio.

- **Video**

- Setup of the Video.

- **Lock**

- Setup of the Lock.
-Use to deny playback of discs or scenes with objectionable material.
(Must be supported by the disc.)

- **Help**

- This menu describes the terms that are displayed on the DVD player.

- 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 menu screen disappear after setting up, press the MENU button again or the EXIT button twice.

NOTE

- Not all Menu selections will work - this is dependent on the DVD disc content. For example, the subtitle menu option will not have any effect on a disc that does not have subtitle support.
- Once each menu is selected, its submenus will appear on the right of the screen.

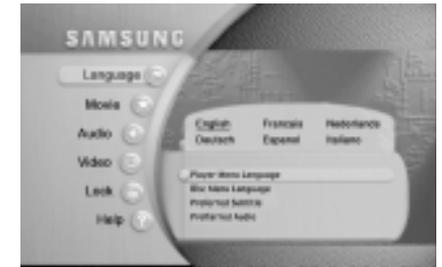


Setting Up the Language Features

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

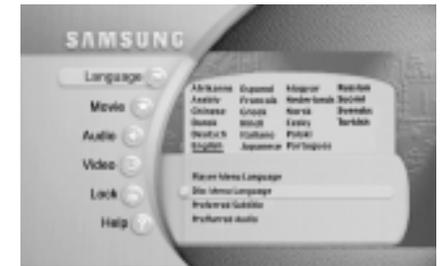
- 1 Press the MENU button.
- 2 Press the ENTER button.
- 3 Use the UP/DOWN buttons to select the Player Menu Language.
- 4 Press the ENTER button.
- 5 Use the LEFT/RIGHT/UP/DOWN buttons to select 'English'.
- 6 Press the ENTER button.
-English is selected and the screen returns to the language submenu.
- 7 Press the EXIT button twice or the MENU button, and the menu screen will disappear.



Using the Disc Menu Language

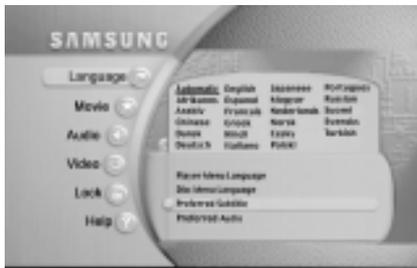
This function changes the text language on the disc menu screens.

- 1 Press the MENU button.
- 2 Press the ENTER button.
- 3 Use the UP/DOWN buttons to select the Disc Menu Language.
- 4 Press the ENTER button.
- 5 Use the LEFT/RIGHT/UP/DOWN buttons to select 'Language'.
- 6 Press the ENTER button.
- 7 Press the EXIT button twice or the MENU button, and the menu screen will disappear.



Setting Up the Language Features

Using the Preferred Subtitle



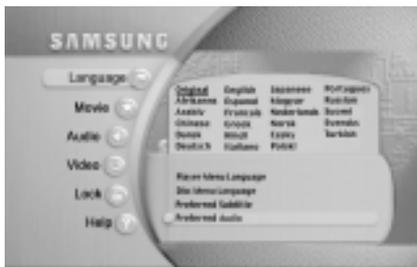
ex) Setting up in English.

NOTE

- If the selected language is not recorded on the disc, the original pre-recorded language is selected.

- 1 Press the MENU button.
- 2 Press the ENTER button.
- 3 Press the UP/DOWN buttons to select Preferred Subtitle.
- 4 Press the ENTER button.
- 5 Use the UP/DOWN or LEFT/RIGHT buttons to select 'English'.
 - Select "Automatic" if you want the subtitle language to be the same as the language selected as the audio preference.
- 6 Press the ENTER button.
 - English is selected and then the submenu of language menu returns.
- 7 Press the EXIT button twice or the MENU button, and the menu screen will disappear.

Using the Preferred Audio



ex) Setting up in English.

- 1 Press the MENU button.
- 2 Press the ENTER button.
- 3 Press the UP/DOWN buttons to select Preferred Audio.
- 4 Press the ENTER button.
- 5 Use the UP/DOWN or LEFT/RIGHT buttons to select 'English'.
 - Select "Original" if you want the default soundtrack language to be the original language the disc is recorded in.
- 6 Press the ENTER button.
 - English is selected and then the submenu of language menu returns.
- 7 Press the EXIT button twice or the MENU button, and the menu screen will disappear.

Setting up the Movie

- 1 Press the MENU button.
- 2 Press the UP/DOWN buttons to select to Movie.
- 3 Press the ENTER button.
- 4 Use the UP/DOWN buttons to select the desired item. Press the ENTER button.
- 5 Use the NUMBER buttons to enter the desired Time, Title or Chapter.



NOTE

- In case no disc is inserted, the Movie menu doesn't appear.

- **Time**
 - Use to enter the time from which you want to start.
 - **Title**
 - Use to select a title number.
 - A DVD may contain several different titles. For example, if a disc contains four different movies, each might be considered a title.
 - **Chapter**
 - Use to select a chapter number.
 - Each Title on a DVD can be divided into chapters (similar to tracks on an audio CD).
 - **Angle**
 - See page 28.
 - **Available Subtitle**
 - See page 30.
 - **Available Audio**
 - See page 29.
- 6 Press the EXIT button twice or the MENU button, and the menu screen will disappear.

Setting Up the Audio



- 1 Press the MENU button.
- 2 Use the UP/DOWN buttons to select Audio. Press the ENTER button.
- 3 Use the UP/DOWN buttons to select the desired item. Press the ENTER button.
- 4 Use the LEFT/RIGHT buttons to select the desired item. Press the ENTER button.

• Digital Output

- PCM : Converts to PCM (2CH) 48KHz/16Bit audio.
Select PCM when using the Analog Audio Outputs.

- Bitstream : Converts to Dolby Digital Bitstream (5.1CH).
Select Bitstream when using the Digital Audio Output.

• LPCM 96 KHz · 48 KHz (ON/OFF)

- For discs recorded with 96 KHz Linear PCM, you must change 96KHz(Off) to 48KHz(On) for analogue and digital output.
PCM won't be output when it is set to LPCM 96 KHz.

• DTS

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

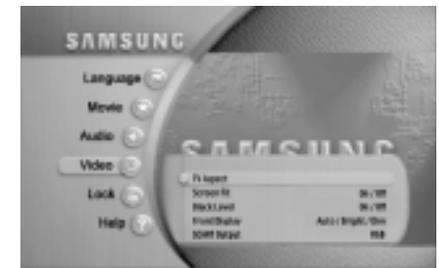
• Dynamic Compression

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

• Analog 2X Scan Audio

- On : Turns analogue 2X scan audio on.
2X Scan Audio does not work using the digital output.
- Off : Turns analogue 2X scan audio off.

Setting Up the Video



- 1 Press the MENU button.
- 2 Use the UP/DOWN buttons to select Video, then press the ENTER button.
- 3 Use the UP/DOWN buttons to select the desired item. Press ENTER.
- 4 Use the LEFT/RIGHT buttons to select the desired item. Press the ENTER button.

• TV Aspect

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

- 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.
- 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.)
- Wide : You can view the full 16:9 picture on your widescreen TV.

• Screen Fit

- You can view your picture either letter boxed(with bars), or stretch the picture to fit the screen.

• Black Level

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

• Front Display

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

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

• SCART Output

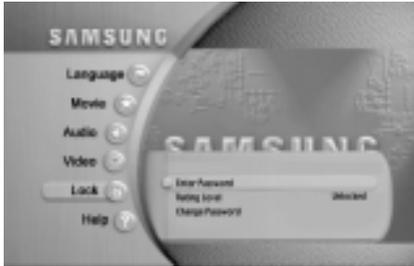
1. RGB : Sends RGB signal from the AV JACK(SCART terminal).
2. VIDEO : Sends COMPOSITE VIDEO signal from the AV JACK(SCART terminal).
3. S-VIDEO : Sends S-VIDEO signal from the AV JACK (SCART terminal).

- 5 Press the EXIT button twice or the MENU button again, and the MENU screen will disappear.

Setting Up the Lock

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.

Setting the Rating Level



- 1 Press the MENU button.
- 2 Press the UP/DOWN buttons to select LOCK, then press the ENTER button.
- 3 Use the UP/DOWN buttons to select Enter Password.
- 4 Press the ENTER button and enter your 4-digit password by pressing the 0-9 button.
- 5 Use the UP/DOWN buttons to select Rating Level and press the ENTER button.
- 6 Use the UP/DOWN or LEFT/RIGHT buttons to choose a Rating Level, then press ENTER.
 - For example, if you choose Level 7, the disc which contains LEVEL 7 or 8 will now not play.
 - The default password is '9999'.
- 7 Press the EXIT button twice or the MENU button, and the menu screen will disappear.

NOTE

- To change your password, press the UP/DOWN buttons and select 'Change Password' from the LOCK menu.
- Changing password is possible only when the password has been entered.

Playing a Disc

Play

- 1 Press the OPEN/CLOSE button.
The STANDBY indicator light goes out and the tray opens.
- 2 Place a disc gently into the tray with the disc's label facing up.
- 3 Press the PLAY/PAUSE button to start play.
- 4 Press the STOP button to stop play.

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.
- The power is automatically turned off after approximately 30 minutes have elapsed in the stop mode (auto power-off feature).
- If the player is left in stop mode for more than one minute without any user interaction, a screen saver will be activated.
- This  icon indicates an invalid button press.

Stop

Press the STOP button during play.

Remove

Press the OPEN/CLOSE button.

Pause

Press the PLAY/PAUSE or STEP button on the remote during play.

- Screen stops, no sound.
- To resume, press the PLAY/PAUSE button once again.

Slow Motion (Except CD)

Press the FWD or REV SEARCH button on the remote during PAUSE mode.

- By pressing or shuttling, you can select slow motion playback for 1/2, 1/4 or 1/8 of normal speed.
- No sound is heard during slow mode.
- When playing a VCD, reverse slow motion playback will not work.

Searching a Chapter/Track

Searching is not restricted to within a "chapter" or "track".

- Press the REVERSE or FORWARD SEARCH button on the remote and press again to search at a faster speed(2X/4X/8X/16X/32X/64X/128X, in order) on the DVD.
- Press the REVERSE or FORWARD SEARCH button on the remote and press again to search at a faster speed(2X/4X/8X/16X/32X) on VCD and CD.
- To return to normal speed play, press the PLAY/ PAUSE button.
- Select a desired reproduction speed by turning the shuttle dial left or right.
(2X -> 4X -> 8X -> 16X -> 32X -> 128X for DVD)

Skipping Chapter/ Tracks

The skip function allows you to "skip" from one chapter to another in the forward or reverse direction.

Press the NEXT SKIP or BACK SKIP button during play.

- When playing a DVD, if you press the NEXT SKIP button, it moves to the next chapter. If you press the BACK SKIP button, it moves to the beginning of the chapter. One more press makes it move to the beginning of the previous chapter.
- When playing a VCD or a CD, if you press the NEXT SKIP button, it moves to the next track. If you press the BACK SKIP button, it moves to the beginning of the track. One more press makes it move to the beginning of the previous track.

NOTE

- When in search mode (4X/8X/16X/32X/64X/128X) on a DVD or high-speed playback (4X/8X/16X/32X) on a VCD, no sound will be heard.
- Depending on the disc, audio may not be heard when a disc is in 2X playback mode.

Repeat A-B

The Repeat A-B function lets you mark a segment to repeat between the beginning (A) and the end (B) of the segment you want to review.



NOTE

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

3D Sound

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



NOTE

- The Repeat A-B function works on the same title or track.
- If the title or track is completed before marking the end (B), the end of the title or track becomes B automatically.
- Depending on the disc, the Repeat A-B and 3D Sound functions may not work.
- 3D sound will not operate in V.L.M (Virtual Light Machine) mode.(CD-DA, MP3, etc.)
- All the pop-up menus (except Repeat A-B) automatically disappear five seconds later.

- 1 Press the REPEAT A-B button at the beginning (A) of the segment you want to review.
- 2 Press the REPEAT A-B button again or the ENTER button at the end (B) of the segment you want to review.
- 3 To clear Repeat A-B, press the REPEAT A-B button again.

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

During playback, press the BOOKMARK button on the remote. A 'BOOKMARK' will be displayed.



To store a Bookmark

- 1 Use the LEFT/RIGHT buttons to move to the desired bookmark.
- 2 When you reach the scene you want to mark, press the ENTER button. The icon will change to a number (1, 2, or 3).
- 3 Press the BOOKMARK button to turn off the display.

To recall a Bookmarked scene

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

To clear a Bookmark

- 1 During playback, 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 display.

NOTE

- Up to three scenes may be marked at the same time.
- Depending on the disc, the Bookmark function may not work.

MediaMacro™ Zoom & Pan

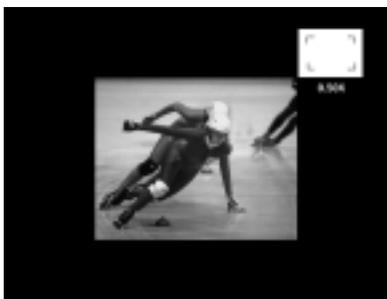
For DVDs, VCDs

This function allows complete control over what part of the picture you want to see. You can select any portion of the screen and magnify that portion up to 15 times.



Zoom In

- 1 Press the ZOOM button on the remote control, and the Zoom screen appears on the upper right hand corner of the screen.
- 2 Press the DIGEST and S-FIT buttons for Zoom IN/OUT.
- 3 Press the ZOOM button again to exit.



Zoom Out

NOTE

- Use the DIRECTION (UP/DOWN/LEFT/RIGHT) button to move the zoom picture.

ActionCapture™ Strobe

This unique strobe function takes snapshots of a continuous motion, then displays these snapshots in order. This is a useful for analyzing golf swings, a pianist's finger movements or even a pitcher's technique.

- 1 Press the P-STROBE button, and the screen will be divided into nine subscreens.
- 2 Press the PLAY button, and the current progressing subscreen is highlighted in yellow.
- 3 Use the TOGGLE (UP/DOWN/LEFT/RIGHT) button to move the highlight.
- 4 Press the ENTER button, and the highlighted subscreen becomes a still screen. To return to the P-strobe status, press the P-STROBE button.
- 5 Press the PLAY button again for normal play.



AngleView™ Display & Screen Fit

Using the **ANGLE** Button

The DVD-N505 displays each angle in a portion of the screen, allowing you to select any angle at the touch of the remote.



Example) If there are 6 angles available

Press the **ANGLE** button to see if an 'ANGLE (' mark is present in the upper right hand corner of the screen.

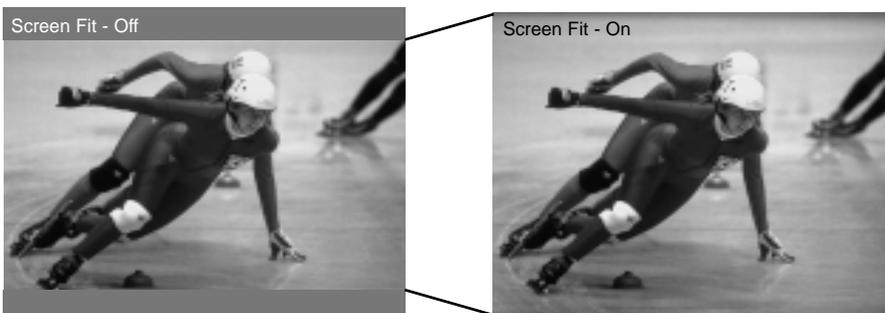
- 1 When an 'ANGLE' mark is shown, press the **ANGLE** button.
- 2 Use the LEFT/RIGHT/UP/DOWN buttons to select the desired screen angle. Then press the ENTER button.

NOTE

- This function does not work when a DVD has not been recorded with a multi-camera angle system.

Screen Fit

Press the **SCREEN FIT** button on the remote or the front panel.



Press the **SCREEN FIT**(or **S-FIT**) button on remote control.

- Allows you to eliminate the black bars in the top and bottom of the screen when a movie is playing in the Widescreen format(16:9).

NOTE

- Depending on the disc, the ActionCapture™ Strobe and Screen Fit functions may not work.

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 on the remote.
- 2 Use the UP/DOWN buttons to select the desired Audio language on a DVD.
 - The audio and 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 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 16.

Selecting the Subtitle Language

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

Using the SUBTITLE Button



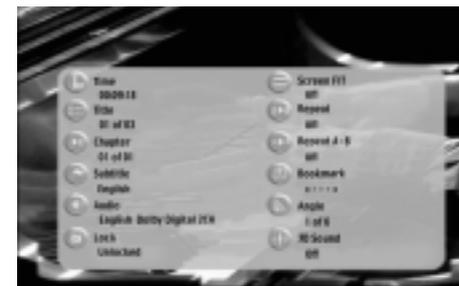
- 1 Press the SUBTITLE button.
- 2 Use the UP/DOWN buttons to select the desired subtitle language.
- 3 Press the ENTER button.
- 4 Use the UP/DOWN buttons to determine whether or not the subtitle will be displayed.
 - Initially, the subtitling will not appear on screen.
 - The audio and subtitle languages are represented by abbreviations.
- 5 Press the EXIT button twice or the MENU button again, and the MENU screen will disappear.

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.

Display

When the user presses the DISPLAY button while playing a DVD, he will see the display screen that shows the status of various settings.



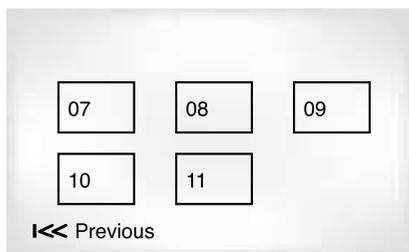
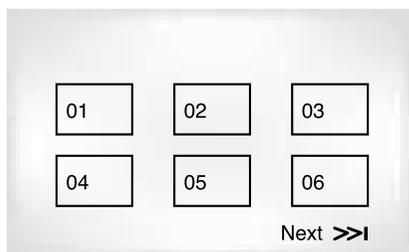
- 1 Press the DISPLAY button.

- Time
- Title
- Chapter
- Subtitle
- Audio
- Lock
- Screen Fit
- Repeat
- Repeat A-B
- Bookmark
- Angle
- 3D Sound

NOTE

- You cannot change settings in the Display menu.
- Press either the DISPLAY button or EXIT button, and the Display screen disappears.

Digest Play



skip button

1 During play, press the DIGEST button.

- You'll see the 6 individual windows representing each of the chapters on the TV screen.
- When each window is displayed, the first 3 seconds of the chapter will be played.

2 Press the UP/DOWN/LEFT/RIGHT button to select the window you would like to view, and press the ENTER button.

The disc will start playing from the window(chapter) you chose.

- Up to 6 windows(chapters) can be displayed on the screen at any time. Press the 'SKIP' button for the next 6 chapters if the movie has more than 6.

3 Press the EXIT button twice or the MENU button again, and the MENU screen will disappear.

NOTE

- 'DIGEST' may not operate depending on the disc in use.
- If the first chapter has no video data, then some of those six chapters may display a black screen.

Virtual Light Machine

1. When a CD-DA or MP3 disc is inserted, the V.L.M. screen is automatically displayed.
2. To switch between the V.L.M. modes (see figure below), press the V.L.M. button, then the UP/DOWN buttons. Each V.L.M. mode has many settings that can be accessed by pressing the ENTER and UP/DOWN buttons.
 - V.L.M. is a series of stunning and incredibly fun visual effects that are 'synchronised' to the music being played.



Manual → Chill Out → Techno
→ Rock/Pop → Classical

Gaming

Your DVD-N505 player, in addition to playing DVD movies, VCD and CD-Audio discs, also supports a wide variety of NUON entertainment and education software titles. NUON ports on the front panel allow you to plug in a wide variety of NUON peripherals. There are two NUON ports on the front panel of your DVD-N505 player. To play a NUON game, you need to connect a NUON joystick to either of these ports (or connect multiple NUON joysticks - two supported by the ports on the front panel, multiple joystick support provided via a NUON splitter that connects to these NUON ports) and insert the NUON game disc in the tray. Depending on the game disc, you may not be able to hear audio via the digital audio out jack. If this occurs, you must hook up the analog outputs to hear NUON game disc audio.

1 Connect the joystick to one of the ports. Insert the game disc in the tray.

2 Press the PLAY/PAUSE button to start playback.

- Samsung DVD-N505 Joystick button Mapping for DVD, VCD, CDDA playback. Button mapping for NUON depends on the NUON disc. NUON button usage is different from disc to disc.
- Unplugging and re-plugging a joystick when playing a game may cause program malfunction. If this occurs, press POWER on the front panel to re-initialize the program.

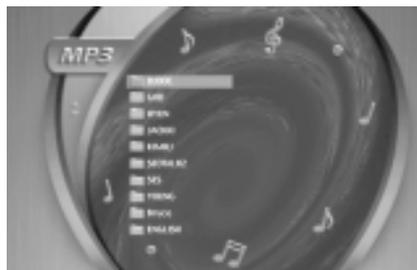
NUON

The default setting of the DVD-N505 is pre-set for NUON mode. This allows you to enjoy NUON enhanced movies which contain a variety of additional interactive features not available on a standard DVD player. When playing a regular DVD movie disc that is not NUON enhanced while the DVD-N505 is in NUON mode, your player's performance will not be affected. No set changes are required. Therefore, we recommend that the default setting for your player be kept in NUON priority. Pressing the NUON button allows you to switch your player's default setting between NUON priority and DVD priority.

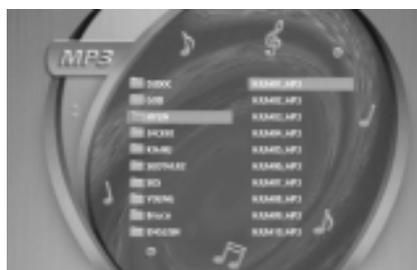
MP3 play

When a MP3 disc is inserted in your DVD player, the disc will be played immediately.

MP3 Play

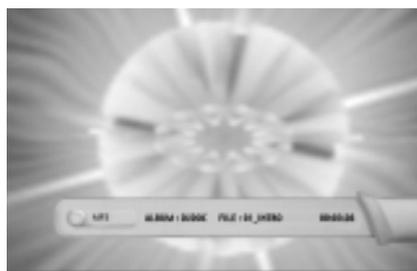


- 1 Press the DISC MENU button. The Disc menu will come up.



- 2 Use the UP/DOWN buttons to select the ALBUM you want to hear, then press the ENTER button.

- 3 Select the track you want to hear by using the UP/DOWN buttons.



NOTE

- Press the DISPLAY button and the detailed information of the current music will be displayed.
- In case of a MP3 disc, the 2X, 4X, scan modes do not operate. Only the SKIP button functions so that track search can operate.
- Folders(also known as directories) contained in CD-R/RW MP3 disc will be recognised by the DVD-N505 as an "ALBUM".

Remote Control Setting

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

- 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.

 For SAMSUNG _4 TVs

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

- 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.

TV Codes

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

NOTE

- The remote may not be able to control every model TV of the brands listed.
- Certain audio features of this product manufactured under a license from Desper Products, Inc. Spatializer® and circle-in-square device are trademarks owned by DesperProducts, Inc.
- Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. ©1992-1997 Dolby Laboratories Inc. All rights reserves
- "DTS" and "DTS Digital Out" are trademarks of Digital Theatre Systems, Inc.
- VM Labs Legal Notices:
Trademark:"NUON™" and "VLM" and "Virtual Light Machine™" are trademarks of VM Labs, Inc. Copyright: NUON Mediaware, Copyright ©1995-2000, VM Labs, Inc. All rights reserved.
Patents: This product is covered by one or more claims of certain issued and pending U.S. Patents and patent applications of VM Labs, Inc. Reverse engineering and disassembly are prohibited.
- HDCD®, High Definition Compatible Digital® and Pacific Microsonics™ are either registered trademarks or trademarks of Pacific Microsonics, Inc. in the United States and/or other countries. HDCD system manufactured under license from Pacific Microsonics, Inc. This product is covered by one or more of the following: In the USA: 5,479,168, 5,638,074, 5,640,161, 5,808,574, 5,838,274, 5,854,600, 5,864,311, 5,872,531, and in Australia: 669114. Other patents pending.

Before requesting service (troubleshooting)

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. 	P6
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. This player cannot play CD-ROMs, DVD-ROMs, CD-R, etc. Insert a DVD, a VIDEO-CD or a CD. 	P4
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. 	P28-30
Disc Menu doesn't appear.	<ul style="list-style-type: none"> Check if the disc has a Menu. 	P14, 15
Playback 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. 	P16-20
The screen ratio cannot be changed.	<ul style="list-style-type: none"> The Screen Ratio is fixed on your DVDs. 	P19
No audio.	<ul style="list-style-type: none"> Make sure you have selected the correct Digital Output in the Audio Options Menu. 	P18
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. "All setup value will be reset to factory settings. Your player will be shut off." will appear. 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 Password Check display will appear. Enter the default password of "9999". You can now set your rating level and change your password to a new number. 	P20
Will not read disc or other error message.	<ul style="list-style-type: none"> Turn the player off and unplug it to reset the DVD player. Wait approximately 2 minutes, plug the player back in and turn it on. 	
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 authorised service center. 	

General	Power Requirements	AC 230 V, 50 Hz
	Power Consumption	15W
	Weight	6.2lbs
	Dimensions	16.9(W) x 9.4(D) x 3.1(H)/inch
	Operating Temperature Range Operating Humidity Range	+41°F to +95°F 10 % to 75 %
Disc	DVD (DIGITAL VERSATILE DISC)	Reading Speed : 11.45 ft/sec Approx. Play Time (Single Sided, Single Layer Disc) : 135 min
	CD : 5" (COMPACT DISC)	Reading Speed : 3.9 to 4.6 ft/sec Maximum Play Time : 74 min
	CD : 3 1/2" (COMPACT DISC)	Reading Speed : 3.9 to 4.6 ft/sec Maximum Play Time : 20 min.
	VCD : 5"	Reading Speed : 3.9 to 4.6 ft/sec. Maximum Play Time : 74 min (Video + Audio)
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load) R(Red) : 0.714 Vp-p (75 Ω load) G(Green) : 0.714 Vp-p (75 Ω load) B(Blue) : 0.714 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 : 0.286 Vp-p (75 Ω load)
	SCART Jack	Luminance Signal : 1.0 Vp-p (75 Ω load) Color Signal : 0.286 Vp-p (75 Ω load)
	S-VIDEO	Luminance Signal : 1.0 Vp-p (75 Ω load) Color Signal : 0.286 Vp-p (75 Ω load)
	2 Channel	(L, R)
Audio Output	Output Level	Analog : 2 Vrms (1 kHz) Digital : 1.15 Vp-p
	*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	92 dB
	*Total Harmonic Distortion	0.003 % (In case of 1 KHz)

*: 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 Centres 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 Centres are available from:

**Samsung Electronics (U.K.) Ltd.,
Euro Service Centre, Stafford Park 12,
TELFORD, Shropshire TF3 3BJ,
Tel: 01952) 292262, Fax: 01952) 207117**

■ 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 Centres. 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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