

DVD-Video player
DVD825



Toll Free Help Line
Ligne d'assistance en service libre
Línea de ayuda telefónica sin cargo

800-531-0039



Let's make things better.

PHILIPS MAGNAVOX

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

- Once your Philips Magnavox purchase is registered, you're eligible to receive all the privileges of owning a Philips Magnavox product.
- So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your Philips Magnavox warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

PHILIPS MAGNAVOX



Congratulations on your purchase, and welcome to the "family!"

Dear Philips Magnavox product owner:

C5097

Thank you for your confidence in Philips Magnavox. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the Philips Magnavox "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome—and thanks for investing in a Philips Magnavox product.

Sincerely,

Robert Minkhorst
President and Chief Executive Officer

P.S. Remember, to get the most from your Philips Magnavox product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these *safety* symbols



This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

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

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER	
Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD) 785 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degree.

This product incorporates copyright protection technology that is protected by method 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.

Manufactured under license from Dolby Laboratories. "Dolby", "AC-3" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Works. ©1992-1997 Dolby Laboratories, Inc. All rights reserved.

TruSurround and the SRS symbol are trademarks of SRS Labs., Inc. TruSurround technology is manufactured under license from SRS Labs., Inc.



NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM (WARNING LOCATION: INSIDE ON LASER COVERSIELD)



For Customer Use:

Read carefully the information located at the bottom of your DVD-VIDEO player and enter below the Serial N°. Retain this information for future reference.

Model N°. DVD-VIDEO 825 Serial N°. _____

englishp. 4

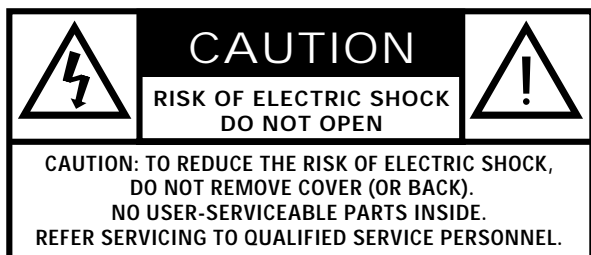
françaisp.26

españolp. 51



The region code for this set is 1.

Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not play, and should be unloaded.



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.



Este símbolo tiene por finalidad advertir al usuario de la presencia de tensión peligrosa no aislada dentro de la caja del aparato, que puede ser lo suficientemente fuerte para constituir un peligro de choque eléctrico.



Este símbolo sirve para advertir al usuario de la presencia de instrucciones de manejo y mantenimiento (servicio) importantes en el manual que acompaña al aparato.



Ce symbole indique la présence d'une tension suffisamment élevée pour engendrer un risque de chocs électriques.



Ce symbole indique que le manuel d'installation fourni avec l'appareil contient d'importantes recommandations quant au fonctionnement et à l'entretien de ce dernier.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure.

The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.

Canada

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

AVISO

Para reducir el riesgo de fuego o choque eléctrico, no exponga el aparato a la lluvia o humedad.

ATENCIÓN

El uso de mando o ajustes o la ejecución de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.

El aparato cumple las normas FCC, Parte 15 y 21 CFR 1040.10.

AVIS

Afin de réduire tout risque d'incendie ou de choc électrique, il ne faut pas exposer cet appareil à la pluie ou à l'humidité.

ATTENTION

L'utilisation des commandes ou réglages ou le non-respect des procédures ci-incluses peuvent se traduire par une exposition dangereuse à l'irradiation.


L'appareil répond aux normes FCC, Part 15 et 21 CFR 1040.10.

Canada

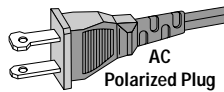
Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

SAFETY INSTRUCTIONS – Read before operating equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

- 1. Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
- 2. Retain Instructions** - The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
- 4. Follow Instructions** - All operating and use instructions should be followed.
- 5. Water and Moisture** - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub or swimming pool, or in a wet basement.
- 6. Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 6A.**  An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
- 7. Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 8. Ventilation** - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- 9. Heat** - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- 10. Power Sources** - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- 11. Grounding or Polarization** - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Caution: To prevent electric shock, match the wide blade of this plug to the wide slot and fully insert. Do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

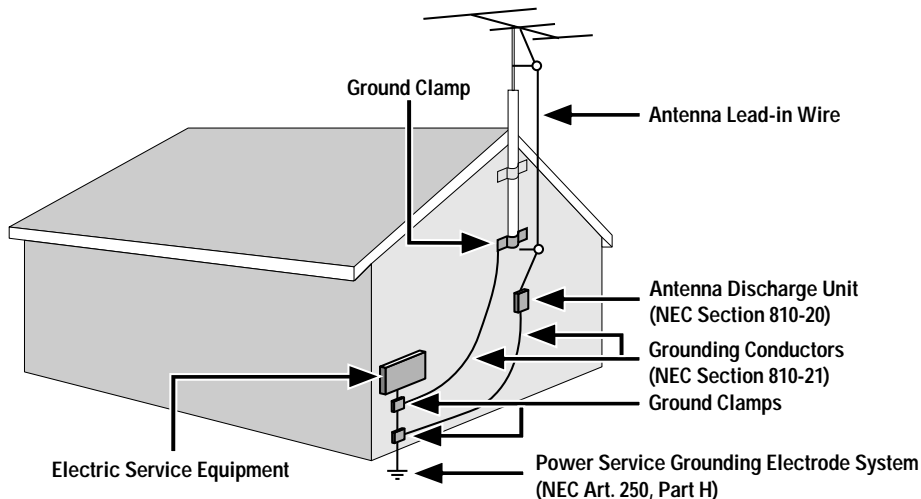


- 12. Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
- 13. Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
- 14. Power Lines** - An outdoor antenna should be located away from power lines.
- 15. Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure below.
- 16. Non-use Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 17. Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- 18. Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
 - A.** The power supply cord or the plug has been damaged; or
 - B.** Objects have fallen, or liquid has spilled into the appliance; or
 - C.** The appliance has been exposed to rain; or
 - D.** The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E.** The appliance has been dropped, or the enclosure damaged.
- 19. Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Note to the Cable TV system installer

This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electrical Code



LIMITED WARRANTY

DVD VIDEO PLAYER

90 Days Free Labor

One Year Exchange Warranty on Parts

This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For 90 days thereafter, all parts will be repaired or replaced, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced, but you pay for all labor charges. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product that is used for commercial or institutional purposes (including but not limited to rental purposes).

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics. In countries where Philips Consumer Electronics does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Take the product to a Philips factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. Because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-363-7278 (English Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____
SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips Service Solutions Group, P.O. Box 2976, Longview, Texas 75606, (903) 242-4800

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DVD-VIDEO

THE ENTERTAINMENT MEDIUM FOR THE MILLENIUM

DVD has brought about a true revolution in video quality. With perfect studio-quality captured in this incredible new format, you get far more than ever before!

At last, it is truly possible to bring the Cinema into the home. Home Cinema is no longer a dream. With super realistic 3D surround sound, digital multi-channel audio, the full impact of special effects, music scores and more are brought into stunning realism.

DVD also allows up to 8 languages and 32 subtitles on a single disc! Watch movies over and over, in different languages, with different sub-titles, using different camera angles, the entertainment never ends. And with DVD, you always see it as sharp as it was meant to be.

Welcome to a whole new world of entertainment!

DIGITAL VIDEO

The wonders of DVD-Video are possible due to the use of the latest state-of-the-art MPEG2 data compression which enables an entire movie to be put on a single 5-inch disc. The complex MPEG2 technology captures even the most complex pictures in all their original glory.

Technically, DVD-Video provides crystal-clear digital pictures with a high resolution of over 500 lines and 720 pixels (picture elements) to each line! This is more than double the resolution of VHS, better than Laser Discs and are the closest match to the digital masters made in recording studios!

While DVD-Video Discs could be either PAL or NTSC, this player can play either, leaving you with no worries and more enjoyment.

DVD-Video is poised to be the universal video system of the future, offering optimal viewing quality on any TV screen.

INTRODUCTION

INTRODUCTION

Your DVD-Video player is a player for digital video discs conforming to the universal DVD Video standard. With it, you will be able to enjoy full-length movies with true cinema picture quality, and stereo or multichannel sound (depending on the disc, and on your playback set-up). The unique features of DVD-Video, such as selection of sound track and subtitle languages, and of different camera angles (again depending on the disc), are all included. What's more, Parental Control lets you decide which discs your children will be able to see.

You will find your player remarkably easy to use, by way of the On-Screen Display and player display, in combination with the remote control.

It is important to note that CD-R, CD-RW discs must be FINALIZED before they can be played on this player. The disc types which run on the player feature one or more of these logos on the disc packaging:



UNPACKING

First check and identify the contents of your DVD-Video player package, as listed below:

- DVD-Video player
- Remote Control Handset with separately-packed batteries
- 2-core power cord
- Cinch cable
- User Manual

If any item should be damaged or missing, please inform your supplier without delay.

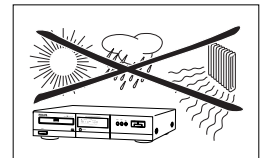
Keep the packaging materials; you may need them to transport your player in the future.

PLACEMENT

- This player includes an advanced suspension system to insulate all relevant parts from vibrations. In order to get optimal performance from the suspension system, do not touch or put anything on the disc loading tray during playback.

- Place the player on a firm, flat surface.

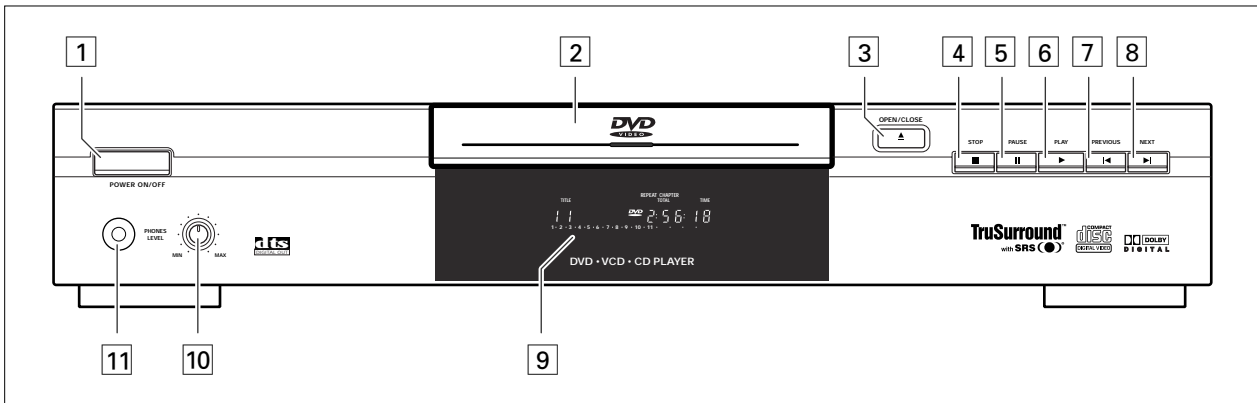
- Keep away from domestic heating equipment and direct sunlight.



- In a cabinet, allow at least 2.5 cm (1 inch) of free space all around the player for adequate ventilation.

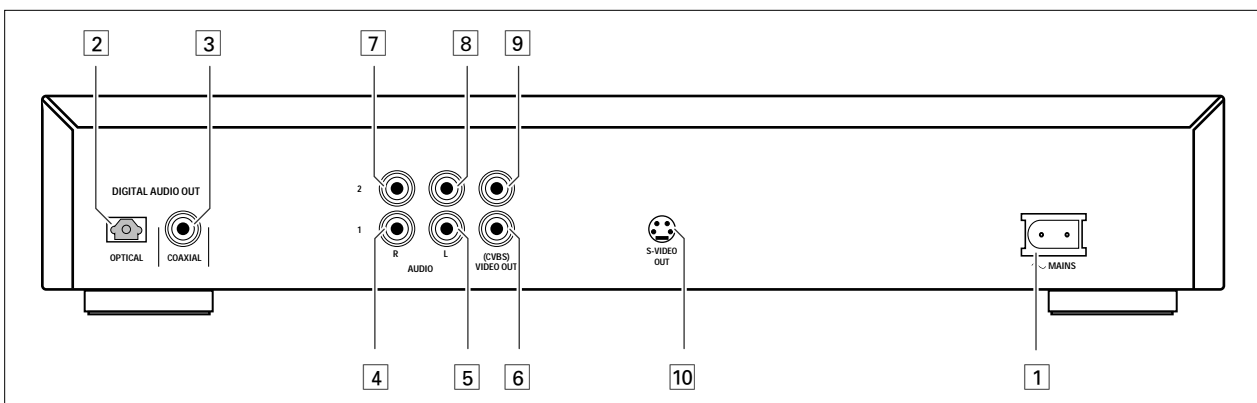
- If the DVD-Video player cannot read CDs/DVDs correctly use a commonly available cleaning CD/DVD to clean the lens before taking the DVD-Video player to be repaired. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens. *Refer to section on "Before Requesting For Service".*

- The lenses may cloud over when the DVD-Video player is suddenly moved from cold to warm surroundings. Playing a CD/DVD is not possible then. Leave the DVD-Video player in a warm environment until the moisture evaporates.



FRONT OF PLAYER

- | | |
|----------------------------------|----------------------|
| 1 POWER ON/OFF | 9 Display |
| 2 Disc loading tray | 10 Headphones Level |
| 3 ▲ Tray OPEN/CLOSE | 11 Headphones socket |
| 4 ■ STOP | |
| 5 ■ PAUSE/Still/Step | |
| 6 ► PLAY | |
| 7 ◀ PREVIOUS title/chapter/track | |
| 8 ▶ NEXT title/chapter/track | |



REAR OF PLAYER

- | |
|-------------------------------|
| 1 Mains socket |
| 2 Digital Audio Out - Optical |
| 3 Digital Audio Out - Coaxial |
| 4 Audio Out 1 - Right |
| 5 Audio Out 1 - Left |
| 6 Video Out 1 (CVBS) |
| 7 Audio Out 2 - Right |
| 8 Audio Out 2 - Left |
| 9 Video Out 2 (CVBS) |
| 10 S-Video output |

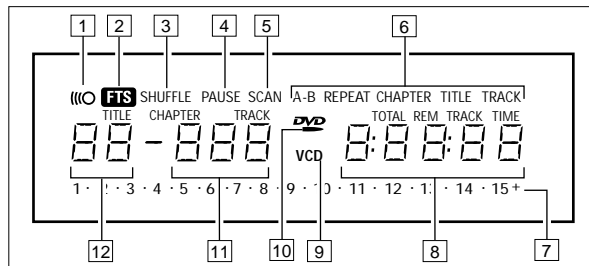
CAUTION

DO NOT TOUCH THE INNER PINS OF REAR-PANEL CONNECTORS. ELECTROSTATIC DISCHARGE MAY CAUSE PERMANENT DAMAGE TO THE UNIT.

INSTALLATION

DISPLAY

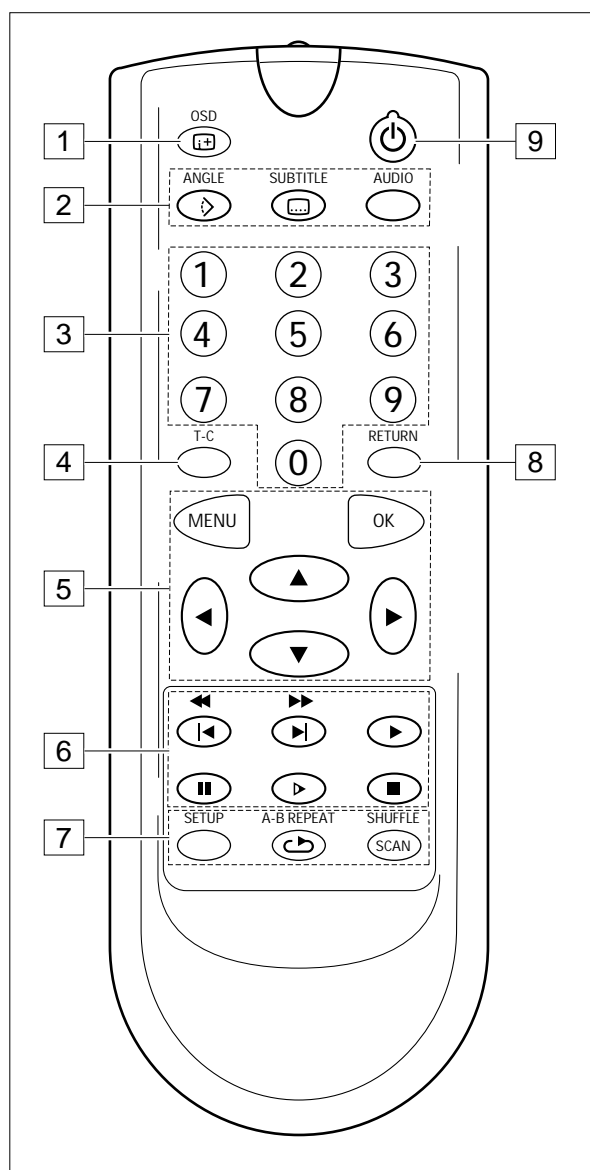
- 1 Remote control active (flashing)
- 2 FTS active
- 3 SHUFFLE active
- 4 PAUSE active
- 5 SCAN active
- 6 REPEAT A-B/CHAPTER/TITLE/TRACK mode active
- 7 Chapter or track calendar
- 8 TOTAL/REMaining/TRACK TIME in hours, minutes and seconds
- 9 (V)CD disc inserted



- 10 DVD disc inserted
- 11 DVD CHAPTER or VCD/CD TRACK number
- 12 DVD TITLE number

REMOTE CONTROL

- 1 **OSD**.....(On-Screen Display) on/off
- 2 **ANGLE**select DVD camera
- SUBTITLE**.....language selector or subtitle on/off*
- AUDIO**.....language selector
- 3 **0-9**numerical key pad
- 4 **T-C**.....mode selector title/chapter
- 5 **MENU**select DVD-defined menu
- OK**(acknowledge menu selection).
- (▲ ▼ ◀ ▶)(up/down/left/right) cursor movement
- 6 **◀ ◀**previous chapter or track / search back
- ▶ ▶**next chapter or track/ search forward
- ||**pause or still frame /step frame
- ▷**slow motion (1/2, 1/4, 1/8 speed)
- ▶**play
-stop
- 7 **SETUP**.....select player settings menu (in stop mode only)
- REPEAT*/REPEAT A-B...**(chapter, track, title, disc)
- SHUFFLE/SCAN***.....shuffle or scan on/off
- 8 **RETURN**(go back to previous menu step)
- 9 **⏻**standby/on (set DVD player to standby mode or turn on the DVD player)



* Press key for about 1 second

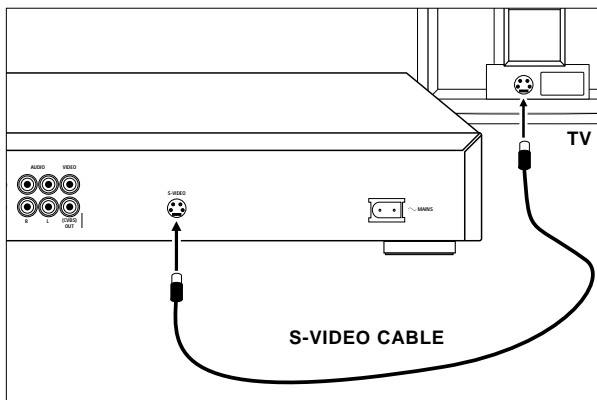
GENERAL NOTE

- Depending on your TV and other equipment, there are various ways you could connect the DVD-Video player. These are shown below.
- Please refer to your TV, VCR, Stereo System and any other User Manual(s) as necessary to make the optimal connections.
- Do not connect your DVD-player via your VCR, because the video quality could be distorted by the copy protected system.
- If the audio format of the digital output does not match the capabilities of your receiver, the sound will be muted.

CAUTION

DO NOT CONNECT THE PLAYER'S AUDIO OUTPUT TO THE PHONO INPUT OF YOUR STEREO SYSTEM.

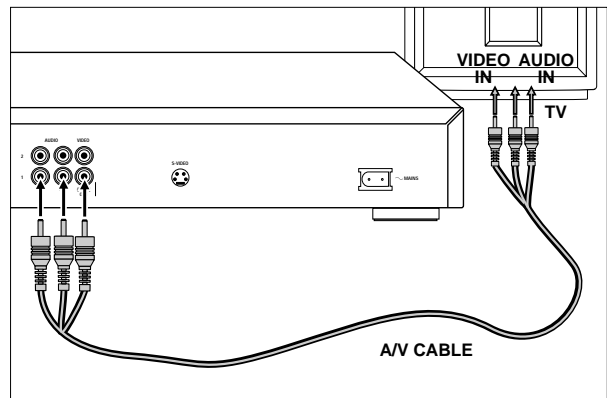
HIGHEST QUALITY A/V CONNECTION



Connection to a TV with a S-Video socket.

- 1 Connect the S-Video connector on the rear of the player to the corresponding connector on the TV using the S-Video cable (*not supplied*).
- 2 Connect the audio Left and Right channel sockets on the player rear panel to the corresponding sockets on your TV or stereo system (e.g. AUX, CD, etc.).

EXCELLENT A/V CONNECTION



Connection to a TV with a video (CVBS) socket.

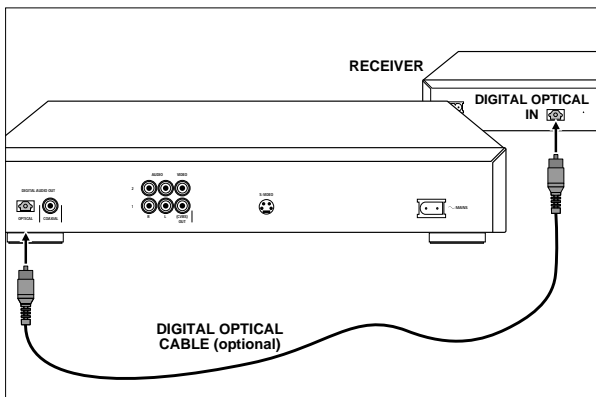
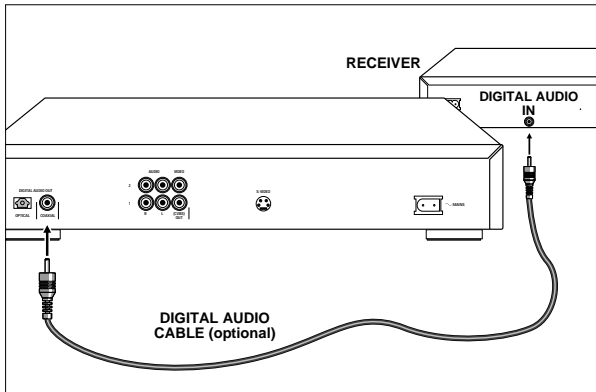
- 1 Connect the Video socket on the rear of the player to the corresponding socket on the TV using the cable supplied.
- 2 Connect the audio Left and Right channel sockets on the rear of the player to the corresponding sockets on the TV using the cable supplied. Alternatively, you can use the same cable to connect the audio Left and Right sockets on the rear of the player to the corresponding sockets on your TV or stereo system (e.g. AUX, CD, etc.).

STANDARD CONNECTIONS

DIGITAL AUDIO (STEREO) SOUND CONNECTION

For this connection, which produces the highest possible stereo sound quality, you need an audio amplifier with digital audio input. Connect the player's digital audio output to the corresponding input on the amplifier. In this case, do not use the player's audio Left and Right outputs.

MULTI-CHANNEL SOUND FOR HOME CINEMA



For multichannel sound, your player provides both digital and analog audio outputs.

DIGITAL (MPEG 2 MULTICHANNEL , DOLBY DIGITAL™ OR DTS) MULTICHANNEL SOUND

- 1 For this, which provides the highest possible sound quality, you need a digital multichannel A/V receiver.
- 2 Connect the player's digital audio or digital optical output to the corresponding input on the receiver using the optional digital audio or digital optical cable. In this case, do not use the player's audio Left and Right outputs.
- 3 You will need to activate the digital output of the player (See Settings).
- 4 The audio format of the digital output is dependent on the audio format of the selected audio stream. Make sure that the selected audio stream matches the capabilities of the receiver connected to the digital output.

ANALOG (DOLBY PRO LOGIC™) MULTICHANNEL SOUND

- 1 If your TV set has a Dolby Pro Logic™ decoder, you simply hook up the player to the TV using the S-Video, or Video (CVBS) and audio connections.
- 2 If not, you need to make the S-Video, or Video (CVBS) connection to the TV, and connect the player's audio Left and Right outputs to the corresponding inputs on a Dolby Pro Logic™ Audio/Video receiver, using the cable supplied.
- 3 For speaker connections, follow the instructions given in the TV set or A/V receiver user manual.

NOTE

- If the audio format of the digital output does not match the capabilities of your receiver, the sound will be muted.

CONNECTING THE POWER SUPPLY

- 1 Plug the female end of the power cable supplied into the Power connector on the rear of the player.
- 2 Plug the male end of the cord into an AC outlet.

- When the player is in the "OFF" position, it is still consuming some power. If you wish to disconnect your player completely from the mains, withdraw the plug from the AC Outlet.

Caution

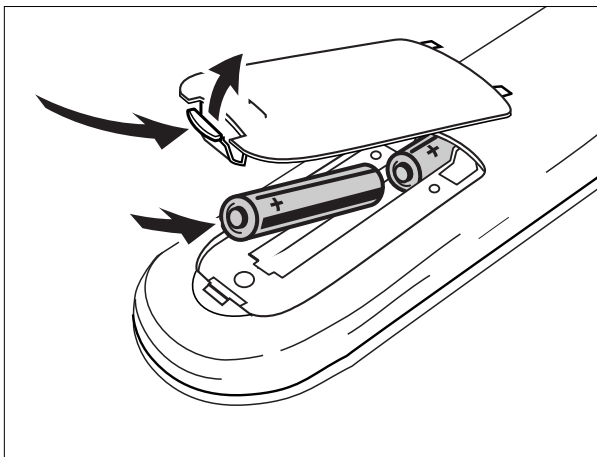
Only qualified service personnel should remove the cover or attempt to service this device.

INFRA RED REMOTE CONTROL**LOADING THE BATTERIES**

- 1 Open the battery compartment cover.
- 2 Insert two 'AAA' (R03) batteries as indicated inside the battery compartment.
- 3 Close the cover.

Caution

Do not mix old and new batteries. AND never mix different types of batteries (standard, alkaline and so on).

**OPERATION****NOTE**

- Unless otherwise mentioned, all operations can be carried out with the remote control. Always point the remote control directly at the player, making sure there are no obstructions in the path of the infrared beam.

- When there are corresponding keys on the front panel, they can also be used.

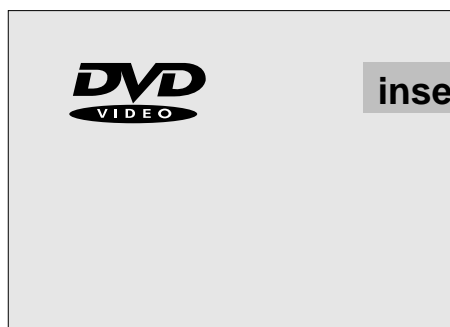
SWITCHING ON

- 1 Switch on the TV and select the video input for your DVD-Video player.
- 2 To enjoy sound through your stereo system, turn on the system and select the source input for the DVD-Video player.

OR

To enjoy DVD-Video with multichannel (surround) sound, switch on the Home Cinema system and select the source input for your DVD-Video player.

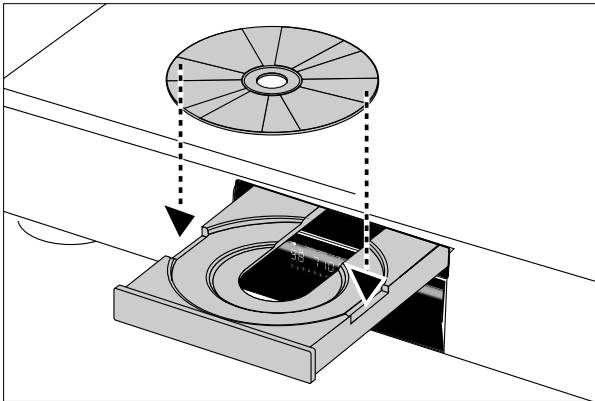
- 3 On the front of the DVD-Video player, press Power ON/OFF. The player display lights, and the OSD invites you to load a disc.
- 4 With Autoplay ON (the factory setting) any disc already loaded in the player starts to play.

**NTSC/PAL SETTING**

You can switch the NTSC/PAL setting of the DVD player to match the video signal of your TV. This setting only affects the television's on-screen display that shows the stop and setup modes. You may select either NTSC or PAL. To change the DVD player setting to PAL or NTSC, follow the step below.

- 1 Press POWER ON/OFF button on the front panel of the DVD player to turn OFF the DVD player.
- 2 Press and hold ▲ and ► on the front of the DVD player. While holding ▲ and ►, press POWER ON/OFF to turn ON the DVD player.
- 3 After PAL or NTSC appears on the display panel of the DVD player, release ▲ and ► at the same time. The PAL or NTSC that appears on the display panel indicates the current setting.
- 4 To change the setting, press ► within 3 seconds. The new setting (PAL or NTSC) will appear on the display panel.

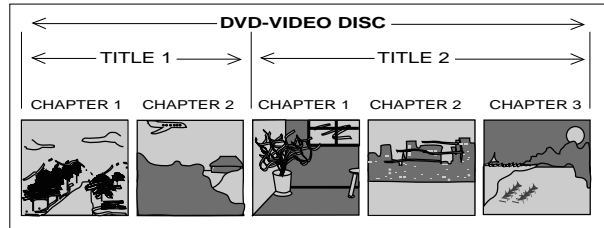
LOADING A DISC



- 1 Press OPEN/CLOSE on the front of the player. The disc loading tray opens.
- 2 Lay your chosen disc in the tray, label side up. Make sure it is sitting properly in the correct recess.
- 3 Press OPEN/CLOSE, to close the tray.
 - With Autoplay ON (the factory setting) play starts.
 - With Autoplay OFF, the (play) screen for the type of disc loaded appears on the OSD, and information about the disc's contents and total playing time appear on the display.
 - To turn Autoplay OFF or ON, refer to section on *SETTINGS*.

PLAYING A DVD-VIDEO DISC

You will recognize DVD-Video discs by the logo. Depending on the material on the disc (a movie, video clips, a drama series, etc.) these discs may have one or more Titles, and each Title may have one or more Chapters. Play stops at the end of each Title. To make access easy and convenient, your player lets you move between Titles, and also between Chapters.










NOTE

- During play, various icons will appear on the TV screen for about 2 seconds to confirm that a function has been selected. You can get rid of these icons by pressing OSD.
- At any time during play, you can press OSD to call up the Play Banner, which shows you which functions are active, for about 2 seconds. To keep the Play Banner on the screen, hold down OSD for a couple of seconds. To get rid of the Play Banner, press OSD again.

- List of icons:

-Play
-Pause
-Stop
-Search forward
-Search backward
-Slow forward
-A-B repeat start
-A-B repeat
-Repeat disc
-Repeat title
-Repeat chapter
-Chapter shuffle
-Title indication
-Chapter indication
-Disable function
-Angle
-No alternative angle

PLAYING A DVD-VIDEO DISC



	.....Subtitle language
	.....Audio language
	.....Audio system
	.....Remaining time of title
	.....Elapsed time
	.....Resume
	.....Total time

PLAYING A TITLE

- With Autoplay ON, play starts when you close the disc drawer.
- With Autoplay OFF, press ►.

NOTE

- Some DVD-Video discs carry their own Autoplay, in which case play always starts automatically.

- The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key; if not, use the ◀ / ▶, ⏪ / ⏩ keys to highlight your selection, and press OK.
→ As the disc plays, the player display shows the current title and chapter, and the elapsed playing time.
- Play will stop at the end of the Title, this can result in return to menu. To go on to the next Title, press ►.
- To stop play at any other time, press ■.
- You can resume play from the point at which you stopped. Press ►, when you see the Resume icon  on the screen.
→ The RESUME feature applies, not only to the disc in the player, but also to the last four discs you have played.
→ Simply reload the disc, press ► if Autoplay is off, and when you see the Resume  icon on the screen, press ► again.

MOVING TO ANOTHER CHAPTER

When a title on a disc has more than one chapter (which you can see from the player display), you can move to another chapter as follows:

- Press ► briefly during play to step forward to the next chapter.
- Press ◀ briefly during play to return to the beginning of the current chapter. Press ◀ briefly again to step back to the previous chapter.
- To go directly to any chapter, enter the chapter number using the numerical keys (0-9).

NOTE

- If the number has more than one digit, press the keys in rapid succession.

- For more information about chapters, see "Checking the contents of DVD-Video discs: Menus".

MOVING TO ANOTHER TITLE

When a disc has more than one title (which you can see from both the OSD and the player display if you press ■), you can move to another title as follows:

- Press T-C, then press ► briefly during play to step forward to the next title.
- Press T-C, then press ◀ briefly during play to return to the beginning of the current title. Press ◀ briefly again to step back to the previous title.
- To go directly to any title, press T-C, then enter the title number using the numerical keys.

NOTE

- If the number has more than one digit, press the keys in rapid succession.

- For more information about titles, see "Checking the contents of DVD-Video discs: Menus".

PARENTAL CONTROL

- If you activate Parental Control, only discs that you have already authorized as suitable for all ages can be played as above.



- To play any other DVD-Video disc, the OSD will ask for the Parental Control PIN code to be entered. When this has been done, play starts automatically.

- To activate Parental Control, and to authorize discs, see Activating Parental Control.

NOTE

- If you forget your PIN code, you can erase it when the code is requested as above, by pressing STOP ■ four times.



Parental Control will then be de-activated. To re-activate it, see Activating Parental Control.

PLAYING A DVD-VIDEO DISC

STILL PICTURE AND STEP FRAME

- To get a still picture, press **II** during play.
- To step forward to the next picture frame, press **II** again.
- To return to play, press **▶**.

SEARCH


- To search forwards or backwards through the disc at 4x normal speed, hold down **▶** or **◀** for about 1 second during play.
→ Search begins, and sound is muted.
- To step up to 32x normal speed, press **▶** or **◀** again.
- To go directly to 32x normal speed, hold down **▶** or **◀** until the  or  icon appears.
- To return to 4x normal speed, press **▶** or **◀** again.
- Search speed and direction are indicated on the screen for 2 seconds each time **▶** or **◀** is pressed.
- To end the search, press **▶**, or **II**, or **▶**, or **■** as desired.

SLOW MOTION

- Press **▶** to play video at 1/2 normal speed with sound muted.
- Press **▶** again to play at 1/4 normal speed.
- Press **▶** again to play at 1/8 normal speed.
- Press **▶** again to play video at 1/2 normal speed
- Play speed is indicated on the screen for 2 seconds each time the button is pressed.
- To exit slow motion mode, press **▶**, **II**, **◀/▶** or **■**.

SHUFFLE

This shuffles the playing order of chapters within a title, if the title has more than one.

- Press SHUFFLE during play.
→ The shuffle icon  appears on the screen for about 2 seconds.
- As each chapter is played, its number disappears from the track calendar.
- To return to normal play, press SHUFFLE again.

REPEAT CHAPTER/TITLE/DISC



- To repeat the current-playing chapter, press REPEAT for about 1 second:
→ **REPEAT CHAPTER** appears on the player display.
- To repeat the current-playing title, press REPEAT a second time for about 1 second:
→ **REPEAT TITLE** appears on the display.
- To repeat the entire disc, press REPEAT a third time for about 1 second;
→ **REPEAT** appears on the display.
- To exit Repeat mode, press REPEAT a fourth time for about 1 second.

REPEAT A-B

To repeat or loop a sequence in a title:



- Press REPEAT A-B at your chosen starting point;
→ **A-** appears on the player display.
- Press REPEAT A-B again at your chosen end point;
→ **A-B** appears on the display, and the repeat sequence begins.
- To exit the sequence, press REPEAT A-B again.

CAMERA ANGLE

- If the disc contains sequences recorded from different camera angles, the angle icon appears  showing the number of available angles, and the angle being shown. You can then change the camera angle if you wish.
- To get another angle, press ANGLE .
→ The angle icon will show the next angle.
- To go to any angle directly, enter the angle number using the numerical keys **(0-9)**.

NOTE

- The angle icon remains on the screen unless you turn off the angle feature.

- To turn off the angle feature, press OSD :
→ the angle icon disappears.
- To turn the angle feature on again, press angle  again:
→ the angle icon reappears.

CHANGING THE AUDIO LANGUAGE AND CHANNEL CONFIGURATION

This changes the language and the audio channel configuration when alternatives are available on the disc. (e.g. Dolby Digital, DTS and etc...)

- Press AUDIO during playback.
 - The audio language and channel configuration icons appear on the screen for 2 seconds.
- Press AUDIO repeatedly to step through the options.
 - At each step, the language changes. If the sound configuration changes too (for example from multichannel to stereo) this is also indicated.



NOTE

- Before selecting DTS, ensure that you have a DTS decoder amplifier connected and set the Digital Output to ALL (refer to section on Setting) in order to hear the digital sound.

SUBTITLES

- When subtitles are available on a disc, you can turn them on by holding SUBTITLE down during play until the subtitles appear.
- To step through the language options, press SUBTITLE repeatedly.
- To turn the subtitles off, hold SUBTITLE down (1 second) again.

SCAN

Plays the first 10 seconds of each title on the disc.

- Press SCAN for about 1 second.
- To continue play at your chosen title, press SCAN again for about 1 second or press ►.

CHECKING THE CONTENTS OF DVD-VIDEO DISCS: MENUS

For titles and chapters, selection menus may be included on the disc. The DVD's menu feature allows you to make selections from these menus. Press the appropriate numerical key; or use the / , / keys to highlight your selection, and press OK.

- Press MENU.
 - If the present title has a root menu, this now appears on the OSD.
- The root menu can list camera angles, spoken language and subtitle options, and chapters for the title.
- To remove the root menu, press MENU again.
- Press T-C followed by MENU.
 - If the disc has a title menu, this now appears on the OSD.
- To remove the title menu, press T-C again.

PLAYING A VIDEO CD

You will recognize Video CDs by the logo. Depending on the material on the disc (a movie, video clips, a drama series, etc.) these discs may have one or more tracks, and tracks may have one or more indexes, as indicated on the disc case. To make access easy and convenient, your player lets you move between tracks, and between indexes.



Some Video CDs have Play Back Control (PBC), which is a pre-defined playback sequence stored on the disc.

NOTE



- During play, various icons will appear on the TV screen for about 2 seconds to confirm that a function has been selected. You can get rid of the icon by pressing OSD.
- At any time during play, you can press OSD to call up the Play Banner, which shows you which functions are active, for about 2 seconds. To keep the Play Banner on the screen, hold down OSD for a couple of seconds. To get rid of the Play Banner, press OSD again.

List of icons:

	.....Play
	.....Pause
	.....Stop
	.....Search forward
	.....Search backward
	.....Slow forward
	.....A-B repeat start
	.....A-B repeat
	.....Repeat disc
	.....Repeat track
	.....Shuffle
	.....Track indication
	.....Index indication
	.....Remaining time of title
	.....Elapsed time
	.....Total time

PLAYING A VIDEO CD

PLAYING A DISC

- With Autoplay ON (*refer to section on SETTINGS.*), play starts when you close the disc drawer.
- With Autoplay OFF, press ►.
- As the disc plays, the display shows the current track, and the elapsed playing time.
- Play will stop at the end of the disc.
- To stop play at any other time, press ■.
- You can resume play from the point at which you stopped. Press ►, when you see the Resume icon  on the screen.
 - The Resume feature applies, not only to the disc in the player, but also to the last four discs you have played.
 - Simply reload the disc, press ► if Autoplay is off, and when you see the Resume icon  on the screen, press ► again.

MOVING TO ANOTHER TRACK

When a disc has more than one track (which you can see from both the OSD and the player display if you press ■, you can move to another track as follows:

- Press T-C, then press ► briefly during play to step forward to the next track.
- Press T-C, then press ◀ briefly during play to return to the beginning of the current track. Press ◀ briefly again to step back to the previous track.
- To go directly to any track, press T-C, then enter the track number using the numerical keys (0-9).

NOTE

- If the number has more than one digit, press the numerical keys (0-9) in rapid succession.

MOVING TO ANOTHER INDEX

When a track has more than one index (as indicated on the disc case), you can move to another index as follows:

- Press ► briefly during play to step forward to the next index.
- Press ◀ briefly during play to return to the beginning of the current index. Press ◀ briefly again to step back to the previous index.
- To go directly to any index enter the index number using the numerical keys (0-9).

NOTE

- If the number has more than one digit, press the numerical keys (0-9) in rapid succession.

PLAYBACK CONTROL (PBC)

- Load a Video CD with PBC and press ►.
 - The PBC menu appears on the TV screen. (This will be different for different discs)
- Go through the menu with the keys indicated on the TV screen until your chosen passage starts to play. If a PBC menu consists of a list of titles, you can select a title directly.
- Enter your choice with the ◀/▶ or numerical keys (0-9).
- Press ► to start playback of the title.
- Press RETURN to go back to the previous menu.
- PBC can be turned off in the setup menu.

PARENTAL CONTROL



- If you activate Parental Control, only discs that you have already authorized as suitable for all ages can be played as above.
- To play any other Video CD, the OSD will ask for the Parental Control PIN Code to be entered. When this has been done, play starts automatically.
- To activate Parental Control, and to authorize discs, see Activating Parental Control.



NOTE

- If you forget your PIN code, you can erase it when the code is requested as above, by pressing ■ four times. Parental Control will then be de-activated. To re-activate it, see Activating Parental Control.

STILL PICTURE AND STEP FRAME

- To get a still picture, press || during play.
- To step forward to the next picture frame, press || again.
- To return to play, press ►.

SEARCH

- To search forwards or backwards through the disc at 4x normal speed, hold down ► or ◀ for about 1 second during play.
→ Search begins, and sound is muted.
- To step up to 32x normal speed, press down ► or ◀ again.
- To go directly to 32x normal speed, hold down ► or ◀ until the  or  icon appears.
- To return to 4x normal speed, press down ► or ◀ again.
→ Search speed and direction are indicated on the screen for 2 seconds each time ► or ◀ is pressed.
- To end the search, press ►, or II, or ▶, or ■ as desired.

SLOW MOTION

- Press ▶ to play video at 1/2 normal speed with sound muted.
- Press ▶ again to play at 1/4 normal speed.
- Press ▶ again to play at 1/8 normal speed.
- Press ▶ again to play video at 1/2 normal speed.
- Play speed is indicated on the screen for 2 seconds each time the button is pressed.
- To exit slow motion mode, press ►, or II, or ◀/▶, or ■.

SHUFFLE

This shuffles the playing order of the tracks, if the disc has more than one.

- Press SHUFFLE during play.
→ The Shuffle icon appears on the screen for about 2 seconds.
- As each track is played, its number disappears from the track calendar.
- To return to normal play, press SHUFFLE again.

REPEAT TRACK/DISC

- To repeat the currently-playing track, press REPEAT for about 1 second:
→ REPEAT TRACK appears on the player display.
- To repeat the entire disc, press REPEAT a second time for about 1 second;
→ REPEAT appears on the display.
- To exit Repeat mode, press REPEAT a third time for about 1 second.

REPEAT A-B

To repeat or loop a sequence:

- Press REPEAT A-B at your chosen starting point;
→ A- appears on the player display.
- Press REPEAT A-B again at your chosen end point;
→ A-B appears on the display, and the repeat sequence begins.
- To exit the sequence, press REPEAT A-B again.

SCAN

Plays the first 10 seconds of each title on the disc.

- Press SCAN for about 1 second.
- To continue play at your chosen track, press SCAN again for about 1 second or press ►.

PLAYING AN AUDIO CD

PLAYING AN AUDIO CD

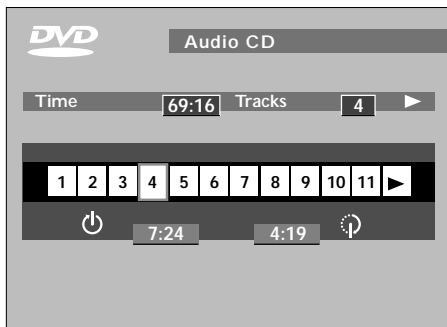
Audio CDs contain music tracks only. You will recognize CDs by their logo. You can play them in conventional style using a stereo system, or via the TV using the OSD.



You can play audio CDs using the OSD or, through a stereo system only, using keys on the remote control and/or front panel.

PLAYING A DISC

- With Autoplay on, play starts when you close the disc drawer.
- With Autoplay OFF, press ►.
 - The disc starts to play; if the TV is on, the CD Play screen appears on the OSD.



- Play will stop at the end of the disc.
- To return to play, press ►.

SEARCH

- To search forwards or backwards through the disc at 4x normal speed, hold down ► or ◀ for about 1 second during play.
 - Search begins, and sound is partially muted.
- To step up to 8x normal speed, press ► or ◀ again.
 - Search goes to 8x speed, and the sound is muted.
- To go directly to 8x normal speed, hold down ► or ◀ until the ►► or ◀◀ icon appears.
- To return to 4x normal speed, press ► or ◀ again.
- If the TV is on, search speed and direction are indicated on the screen each time ► or ◀ is pressed.
- To end the search, press ►, ||, or ■ as desired.

MOVING TO ANOTHER TRACK

- Press ► briefly during play to step forward to the next track.
- Press ◀ briefly during play to return to the beginning of the current track. Press ◀ briefly again to step back to the previous track.
- To go directly to any track, enter the track number using the numerical keys (0-9).

SHUFFLE

- Press SHUFFLE during play.
 - The order of the tracks is changed.
- As each track is played, its number disappears from the player display.
- To return to normal play, press SHUFFLE again.

REPEAT TRACK/DISC

- To repeat the currently-playing track, press REPEAT for about 1 second:
 - REPEAT TRACK appears on the display.
- To repeat the entire disc, press REPEAT a second time for about 1 second;
 - REPEAT appears on the display.
- To exit Repeat mode, press REPEAT a third time for about 1 second.

REPEAT A-B

To repeat or loop a sequence:

- Press REPEAT A-B at your chosen starting point;
 - A- appears on the player display.
- Press REPEAT A-B again at your chosen end point;
 - A-B appears on the display, and the repeat sequence begins.
- To exit the sequence, press REPEAT A-B again.

SCAN

Plays the first 10 seconds of each title on the disc.

- Press SCAN for about 1 second.
- To continue play at your chosen track, press SCAN again for about 1 second or press ►.

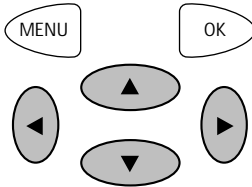
FAVORITE TRACK SELECTION (FTS)

NOTE

- Favorite Track Selection (FTS) is only available for audio disc and can only be compiled with OSD On. To switch on or off FTS, refer to section on SETTINGS.

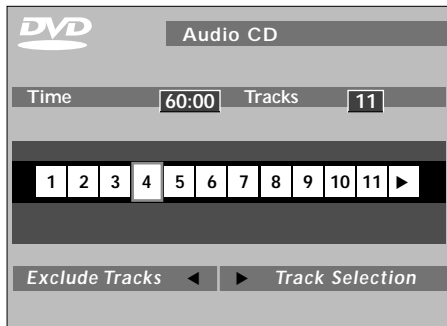
COMPILING AN FTS PROGRAM

On this player, FTS programs can be compiled by selecting the tracks you want to play ("Track Selection") or by excluding the tracks you do not want to play ("Excluding Tracks")

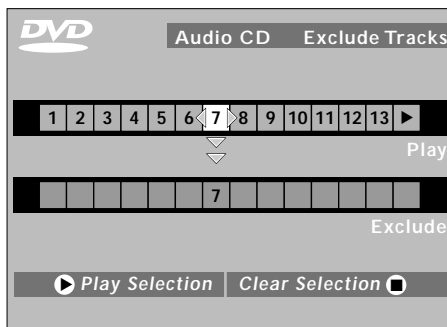


To exclude Tracks:

- 1 Load a disc and go to Stop mode.



- 2 Press .



3

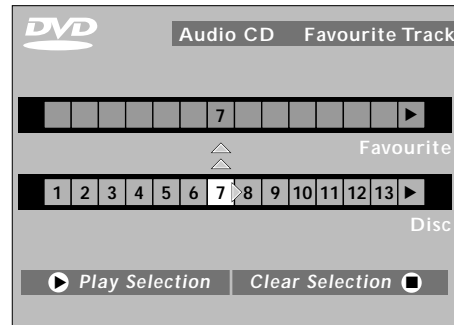
Use the or key to move to the first track number you want to exclude.

- 4 Press the key.
- 5 Exclude further track numbers in the same way. If you change your mind, you can re-include any track number by moving back to it and pressing the key.
- 6 To clear your whole selection and start again, press .

When your FTS program is complete, press to start play, or RETURN to go back to STOP mode. In either case, the FTS program will be automatically memorized.

To select Tracks:

- 1 Load a disc and go to the Stop mode.
- 2 Press .



- 3 Use the or key to move to the first track number you want to select.
- 4 Press the key.
- 5 Select further track numbers in the same way. If you change your mind, you can de-select track numbers in reverse order by pressing the key as required.
- 6 To clear your whole selection and start again, press .

When your FTS program is complete, press to start play, or RETURN to go back to STOP mode. In either case, the FTS program will be automatically memorized.

NOTE

- You can have a total of at least 100 FTS programmed discs. If you exceeds that number, the least frequently played program(s) are automatically deleted.

PLAYING FTS

When Auto FTS is switched on and the disc is compiled with FTS program, playback starts immediately with the FTS program.

When Auto FTS is switched off and the disc is compiled with FTS program, first press the or to start the FTS program and then press to start playback of the FTS program.

SETTINGS

SETTINGS

In the settings menu, you can customize your player to suit your own particular requirements.

In Stop mode:

- Press SETUP to obtain the Settings screen.



- Move to the function you want to change using (/) then use (/) to scroll to your preferred option.



- To exit Settings menu, press RETURN or SETUP.

Audio

The sound will be in the language you choose provided this is available on the disc in play. If not, speech will revert to the first spoken language on the disc.

Subtitle

The subtitles will be in the language you choose provided this is available on the disc in play. If not, subtitles will revert to the first subtitle language on the disc.

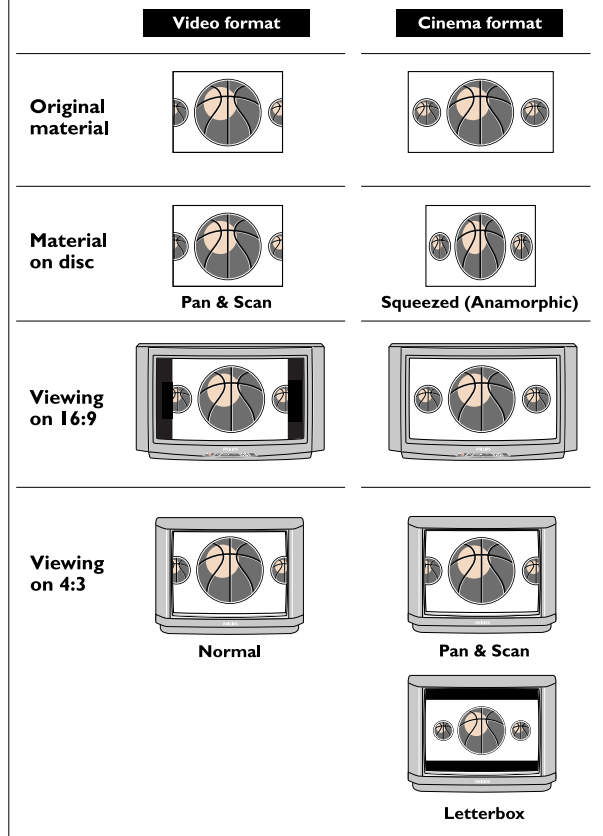
Parental Control

This is described separately under 'Parental Control'.

TV Shape

Factory setting wide screen (16:9). If you have a regular (4:3) TV, you can choose Letterbox for a 'wide-screen' picture with black bars top and bottom, or Pan Scan, for a full-height picture with the sides trimmed. If a disc has Pan Scan, the picture then moves (scans) horizontally to keep the main action on the screen.

Optimal pictures on any TV screen



Auto Play

Factory setting ON means that discs starts to play automatically when loaded. Set to OFF if you prefer to start play manually. Setting not effective if disc contains auto play information.

Auto FTS

Factory setting ON means that when a disc with an FTS program (see 'Compiling an FTS program') is loaded, the FTS program automatically starts to play. Set to Off if you prefer to control FTS play manually.

Digital Output

Factory setting OFF means that there is no audio signal at the digital output. If you are connecting equipment with a digital input, change the setting to ALL.

If your equipment does not include a digital decoder, (e.g. digital speakers) set the digital output to PCM.

Sound

To enjoy multichannel sound even on two speakers, switch Sound on.

Video Shift

Factory setting is such that the video will be centered on your screen. Use this setting to personalize the position of the picture on your TV by scrolling it to the left or right.





OSD Language

The player's on-screen display will be in the language you choose.



PARENTAL CONTROL

ACTIVATING PARENTAL CONTROL

This can only be done in Stop mode

- 1 Press SETUP to obtain the SETTINGS menu.
 - 2 Move to Parental Control using the ( / ) keys.
 - 3 Press  or  to change Parental Control to Active.
 - 4 You will be asked to enter a 4-digit pin code of your own choice, and then to confirm your choice.
 - Enter the 4-digit pin code again to confirm.
 - 5 Press SETUP to exit the SETTINGS menu.
- ***This code must then be entered to play any DVD-Video or Video CD disc, unless you have previously authorized the disc as suitable for all ages.***
 - To de-activate Parental Control repeat the above procedure.

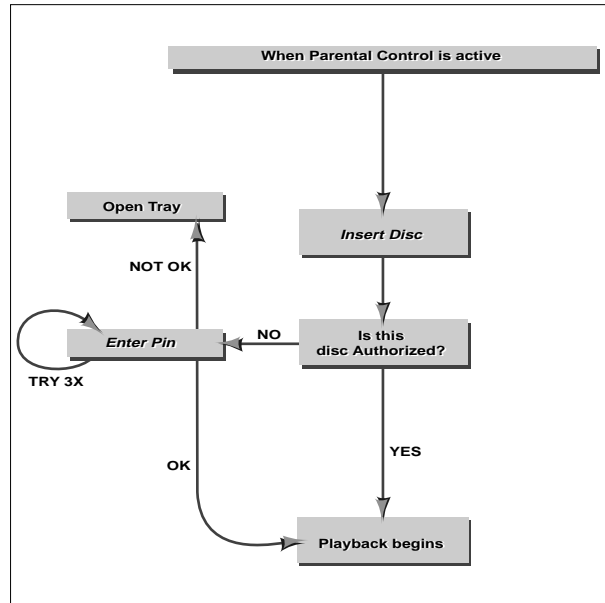
AUTHORIZING DISCS

- 1 Load the disc you wish to authorize and close the tray.
 - The OSD will ask for your pin code.
- 2 Enter your pin code.
 - If your pin code is correct, play will start automatically.
 - If your pin code is not correct, it will allow you two more tries. If it is still incorrect, the disc tray will open.
- 3 Go to Stop, press .
- 4 Select Parental Control on the OSD by pressing  .
 - The OSD will ask you to enter your pin code.
- 5 The disc is now authorized, and will play in the normal way, without the pin code.

To cancel your authorization, repeat steps 4 and 5.

NOTE

- You can have a total of 50 authorized discs. If you exceed that number, the least frequently played disc(s) are automatically de-authorized.



BEFORE REQUESTING SERVICE

BEFORE REQUESTING SERVICE

If it appears that the DVD-Video player is faulty, first consult this checklist. It may be that something simple has been overlooked. **Under no circumstances should you try to repair the player yourself; as this will invalidate the warranty. Only qualified service personnel can remove the cover or service this player.**

Look for the specific symptom(s). Then perform only the actions listed to remedy the specific symptom(s).

SYMPTOM

- Remedy

NO POWER

- Check if the on/off button on the front of the player is set to on.
- Check if both plugs of the mains cord are properly connected.
- Check if there is power at the AC outlet by plugging in another appliance.

NO PICTURE

- Check if the TV is switched on.
- Select the same channel and source on the TV as on the player.
- Check the video connection.

DISTORTED PICTURE

- Check the disc for fingerprints and clean with a soft cloth, wiping from centre to edge.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.

COMPLETELY DISTORTED PICTURE/VERTICAL ROLL

- If the picture is distorted completely or if the picture rolls vertically, make sure the NTSC/PAL setting at the DVD player matches the video signal of your television.
- If your TV video signal is NTSC, select the NTSC setting at the DVD player.
- If your video signal is PAL, select the PAL setting.- see GETTING STARTED, NTSC/PAL SETTING

NO COLOUR IN PICTURE

- The disc format does not match the video signal of your TV (PAL/NTSC)

DISC CAN'T BE PLAYED

- Ensure the disc label is upwards.
- Clean the disc.
- Check if the disc is defective by trying another disc.

NO SOUND

- Check audio connections.
- If using a HiFi amplifier, try another sound source.
- Check the Digital Output menu is selected to ALL if a DTS disc is played.
- Ensure there is a DTS decoder connected when selecting DTS.

DISTORTED SOUND FROM HIFI AMPLIFIER

- Check to make sure that no audio connections are made to the amplifier phono input.

NO RETURN TO START-UP SCREEN WHEN DISC IS REMOVED

- Reset by switching the player off, then on again.
- Check to see if the program requires another disc to be loaded.

THE PLAYER DOES NOT RESPOND TO THE REMOTE CONTROL

- Aim the remote control directly at the sensor on the front of the player
- Avoid all obstacles which may interfere with the signal path.
- Inspect or replace the batteries.

DISTORTED OR B/W PICTURE WITH DVD OR VIDEO CD DISC

- The disc format is not according to the TV-set used (PAL/NTSC)

NO AUDIO AT DIGITAL OUTPUT

- check the digital connections
- Check the settings menu to make sure that the digital output is set to on.
- Check if the audio format of the selected audio language matches your receiver capabilities.

BUTTONS DO NOT WORK

- Turn the player off and on with the power on/off button on the front of the player.

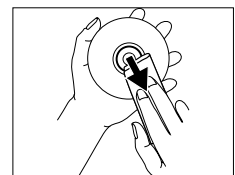
DELAYED PLAY WHEN SWITCHING DISK

- If play delays more than one minute ("Reading" displayed on TV screen), the player did not complete its disk eject cycle.
- Push the STOP button to stop the playback, then wait for the "eject disk" display on the TV Screen before pushing the tray OPEN/CLOSE button.
- The new disk should play within 10 seconds.

CLEANING DISCS

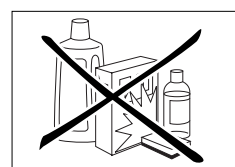
Some problems occur because the disc inside the player is dirty. To avoid these problems clean your discs regularly, in the following way:

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.



CAUTION

Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for analog discs.



SPECIFICATIONS

PLAYBACK SYSTEM

DVD-Video
Video CD
CD (CD-R and CD-RW)

OPTICAL READ-OUT SYSTEM

Type Semiconductor laser GaAlAs
Numerical Aperture 0.60 (DVD)
0.45 (VCD/CD)
Wave length 650 nm (DVD)
780 nm (VCD/CD)

DVD DISC FORMAT

Medium Optical Disc
Diameter 12cm (8cm)
Playing time (12cm)
One layer 2.15 h*
Dual layer 4 h*
Two side, single layer 4.30 h*
Two side, dual layer 8 h*

TV STANDARD

	EUROPE	USA
	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	PAL/NTSC	(PAL/NTSC)

VIDEO FORMAT

Signal Digital
Digital Compression MPEG2 for DVD,
MPEG1 for VCD
DAC 10 bit

DVD

	50HZ	60HZ
Horiz. Resolution	720 pixels**	720 pixels**
Vertical Resolution	576 lines**	480 lines**

VCD

Horiz. Resolution	352 pixels	352 pixels
Vertical Resolution	288 lines	240 lines

VIDEO PERFORMANCE

Video output 1 Vpp into 75 ohm
S-Video 1 Vpp into 75 ohm (Y-NTSC)
286 mVpp into 75 ohm (C-NTSC)
1 Vpp into 75 ohm (Y-PAL)
300 mVpp into 75 ohm (C-PAL)

AUDIO FORMAT

Digital	MPEG/AC-3/DTS	Compressed Digital
	PCM	16, 20, 24 bit
		44.1, 48 kHz
DAC		24 bit

Analog Stereo & Dolby Pro Logic (VCD & downmix from multichannel sound)
SRS 3D (Virtual 3D Surround)

AUDIO PERFORMANCE

Signal	Analog	
DVD	fs 48 kHz	4 Hz - 22 kHz
Video CD	fs 44.1 kHz	4 Hz - 20 kHz
CD	fs 44.1 kHz	4 Hz - 20 kHz
Signal-Noise (1kHz)		95 dB (typical 100 dB)
Dynamic Range (1kHz)		90 dB
Crosstalk (1kHz)		100 dB (typical 115 dB)
Distortion and Noise (1kHz)		85 dB (typical 89 dB)

CONNECTIONS

Video Output	Cinch/S-Video
Audio L+R output	Cinch
Digital Output (co-axial/optical)	IEC958 for CDDA / (coaxial) LPCM IEC1937 for MPEG1, MPEG2, AC-3 and DTS
Headphones	6.5mm Jack, 30 mW at 32 Ohm load, headphones imp. 8-2000 Ohm
S-Video	DIN

POWER SUPPLY

Power Inlet	110V, 60Hz
Power usage	20 Watt
Power usage standby	5 Watt

CABINET

Dimensions	435 x 68 x 305 (w x h x d)
Weight	5 Kg

OTHER PLAYER FEATURES

Screen Saver
Closed Caption
Multi On Screen Display Language
Resume
Audio Output Selection

Some of the functions described in this owner manual may not work with some discs.

* typical playing time for movie with 2 spoken languages and 3 subtitle languages.

** equivalent to 500 lines on your TV