

Digital Video Disc Player
Owner's Manual

DVD712



Read this manual first!

*Congratulations on purchasing this Philips product.
We've included everything you need to get started.
If you have any problems, Philips Representatives can
help you get the most from your new product by explaining:*

- Hookups,
- First Time Setup, and
- Feature Operation.

Do not attempt to return this product to the store.

**For fast help, call us first!
1-800-531-0039**

Thank you for making Philips a part of your home!

Let's make things better.



PHILIPS

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

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS 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 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

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

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. 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 "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 product.

Sincerely,

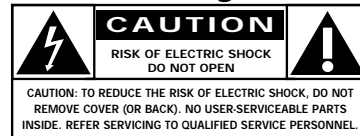



Lawrence J. Blanford
President and Chief Executive Officer


P.S. Remember, to get the most from your PHILIPS 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, fully insert.

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

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. _____



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4 Safety Information

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

Federal Communications Commission (FCC) Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

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.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.

CAUTION: Visible and invisible laser radiation when open and interlock defeated. Do not stare into the beam. The beam is located inside, near the deck mechanism.

Special Information for Canadian Users

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.

Radio/TV Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Copyright Protection


Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited. 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.

Declaration of Conformity

Model Number: DVD712
Trade Name: Philips
Responsible Party: Philips Consumer Electronics
P.O. Box 14810, Knoxville, TN 37914-1810
(865) 521-4316

Safety Information 5

IMPORTANT SAFETY INSTRUCTIONS. READ BEFORE OPERATING EQUIPMENT.

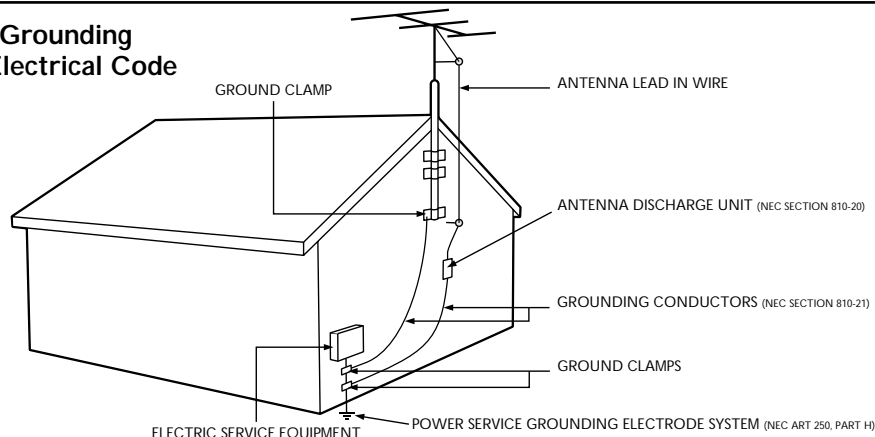
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as if the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or if the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling

information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org

16. **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 been 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.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
 - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
 - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **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.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Example of Antenna Grounding
per NEC - National Electrical Code



04/01

6 Introduction

Welcome!

This Digital Video Disc Player will allow you to enjoy better picture quality, clearer sound, and endless playback features on Digital Video Discs (DVDs). Expanding technology allows you to add options to your viewing - watch a director's cut of a movie, listen to the producer's comments, or play your favorite scene repeatedly. Hear a movie in different languages, or listen only to the soundtrack. The possibilities are limited only by your choices and the materials available on the DVD.

Of course, you can listen to your favorite Audio Compact Discs on this DVD Player, too. Determine the order in which you want to hear the songs, or play the Disc repeatedly - all while seeing the status of the CD on your television.

We hope you enjoy this DVD Player and learn to use its features. To get the most from the DVD Player, read this manual carefully. It will describe how you can access these features.

Features

- Access Control*
 - Audio Language choices*
 - Automatic Detection of Disc type (Audio CD, Video CD, or DVD)
 - Bit Rate Indicator
 - Camera Angle*
 - Display Panel
 - Digital Theater System
 - Dolby Digital Surround Sound
 - DVD Menus in a desired language*
 - Fast Forward/Reverse Search
 - Favorite Track Selection
 - Karaoke Vocal*
 - NTSC/PAL compatibility
 - On-Screen Display for DVD Player
 - Paused/Fast/Slow/Step-by-Step Playback
 - Program Playback
 - Random Playback
 - Repeat (A-B segment, Chapter, Title, Track, Disc)
 - Screen Saver
 - Subtitles in a Desired Language *
 - Time Search
 - Zoom Playback
- * If available on the Disc

When referring to this manual, remember...

DVD Indicates the feature is available on some Digital Video Discs.

AUDIO CD Indicates the feature is available on some Audio Compact Discs.

VIDEO CD Indicates the feature is available on some Video Compact Discs.

Disc Menus...

Some explanations in this manual describe the Disc Menus. These menus are set by the movie producers or by the music industry; the menus will vary among Discs.

Furthermore, not all Discs have menus. However, if the Disc has a menu, you can access the Disc Menu by pressing DISC MENU on the remote control. *Details are on pages 16 and 26.*

DVD Player Menus...

Some instructions explain how to use the DVD Player's menu (or the System Menu) to set up features of the DVD Player or the Disc. You get to the DVD Player Menu by pressing SYSTEM MENU on the remote control. Even if a feature is set up in the DVD Player's menu, it may not be available if the current Disc does not include that feature.

Available Disc Features...






Features in this manual may not be available on every DVD or Audio CD. If the feature is not available on the Disc, you cannot use the DVD Player to make these features available. An "X" will appear in the top left corner of the TV screen if you try to access a feature that is not available on the current Disc or not available at the current time. The "X" may not be visible if the DVD you are playing is in Widescreen format (with black bars at the top and bottom of the picture).

Playable Discs 7

Playable Discs

This DVD Player will play Digital Video Discs (DVDs), Video CDs, Super Video CDs, and Audio CDs. This Player also supports the MP3 format, or music tracks that are compressed with MPEG Audio Layer 3 technology. In order to play a Disc on this DVD Player, make sure the Disc meets the requirements for Region Codes and Color Systems described below. The Discs should have the following logos and should meet these standards.

Disc Type	Logo	Contents	Disc Size	Maximum Playback Time	Disc Segments
Digital Video Disc		Sound and Pictures	12 cm	Approx. 4 hours (single-sided) Approx. 8 hours (double-sided)	DVDs are divided into Titles, which are divided into Chapters. Titles and Chapters are numbered.
			8 cm	Approx. 80 minutes (single-sided) Approx. 160 minutes (double-sided)	
Audio CD		Sound	12 cm	74 minutes	Audio CDs are divided into numbered Tracks, i.e., a track may be one song.
			8 cm (singles)	20 minutes	
Video CD		Sound and Pictures			Video CDs are divided into Tracks.

Region Codes

DVDs must be labeled for ALL regions or for Region 1 in order to play on this DVD Player. You can not play Discs that are labeled for other regions.

Look for the symbols below on your DVDs. If these region symbols do not appear on your DVD, you cannot play the DVD in this DVD Player.



The number inside the globe refers to a region of the world. Region 1 represents the United States, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.

A Disc encoded in a specific region format can play only on DVD Players with the same region code. For example, if a Disc is labeled for Region 2, you can not play the DVD on this DVD Player. A message will appear on the TV screen, but not the DVD Player display panel. The DVD Player may appear to be off.

Color Systems

Different color systems are available throughout the world. The most common color systems are NTSC, which is used primarily in the United States and North America, PAL, and SECAM. This DVD Player can use either the NTSC or PAL color system. Follow the steps on page 15 to select NTSC or PAL for the DVD Player. Choose a setting that matches the color system of your TV. Make sure the Discs you play are in NTSC or PAL. The color system of the DVD may appear on the DVD or on the Disc case.

Helpful Hints

- Super Video CDs are based on the Super VCD IO Standard, referring to the Standard of Electronics Industry of the People's Republic of China.
- On multi-session discs, this DVD Player supports only the first session.

8 General Information

Putting Batteries in the Remote Control

1

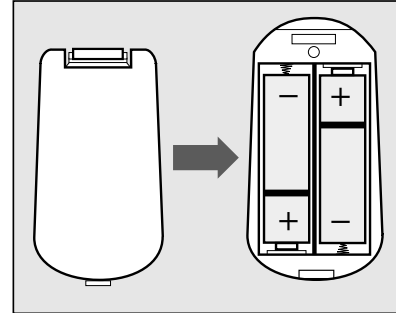
Remove the battery compartment lid on the back of the remote control by pressing in the tab, then lifting off the lid.

2

Place two AA batteries inside the battery compartment with their + and - ends aligned as indicated. Do not mix old and new batteries or different types of batteries (standard, alkaline, etc.).

3

Replace the battery compartment lid.



Using the Remote Control

Unless stated otherwise, the remote control can perform all operations. Always point the remote control directly at the remote sensor on the front of the DVD Player, not the TV. *Details are on page 20.* Make sure there are no barriers between the remote control and the DVD Player.

Environmental Information

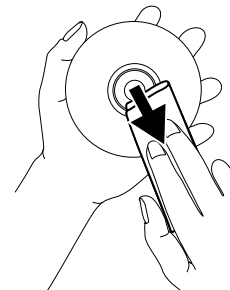
Your system consists of materials that can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Safety Information

- Do not expose the system to excessive moisture, rain, sand, or heat sources.
- Place the DVD Player on a firm, flat surface.
- Keep the DVD Player away from domestic heating equipment and direct sunlight.
- When placing the DVD Player in a cabinet, allow about one inch of space all around the DVD Player for ventilation.

Cleaning Discs

- When a Disc becomes dirty, clean it with a cleaning cloth. Wipe the Disc from the center out, in a straight line.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for analog discs.
- If the DVD Player cannot read Discs correctly, use a commonly available cleaning CD/DVD to clean the lens. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.
- The lens may cloud over if you suddenly move the DVD Player from cold to warm surroundings. Playing a Disc is not possible then. Leave the power on for about one hour with no Disc in the unit until normal playback is possible.



Depending on your TV and other equipment you wish to connect, there are various ways you could connect the DVD Player. Use only one of the connections described in the following pages.

Before you begin...

- Refer to the manuals of your TV, VCR, Stereo System or other devices as necessary. Note the style of jacks and connectors on the other equipment. Determine how to choose different Audio and Video In channels on your other equipment so you can see and hear the DVD Player on the TV, Stereo, etc.
- Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have finished hooking up everything. Never make or change connections with equipment connected to the power outlet.

Determining the best possible connection...

Your hookup will be determined primarily by feature availability of your existing equipment. However, the following guidelines describe which options have the best picture and sound quality.

- ★★★★ Use Component Video jacks for the best picture quality.
- ★★★ Use the S-Video jack for excellent picture quality.
- ★★ Use the yellow Video jack for good picture quality.
- ★★ **If your TV only has an RF-style jack, usually labelled Antenna In or 75 ohm, you will need an adapter in order to connect the DVD Player to the TV.** Ask your electronics retailer for details. The DVD picture still will exceed the quality of videotapes and other analog recordings.
- ★★★★ Digital audio connections provide the clearest sound. Connect one of the DVD Player's DIGITAL AUDIO OUT jacks (COAXIAL or OPT(ical) OUT) to your Stereo Receiver for the best sound quality.
- ★★★ If digital connections are not possible, connect the DVD Player's red and white AUDIO OUT jacks to the Audio In jacks of your Stereo Receiver or TV.

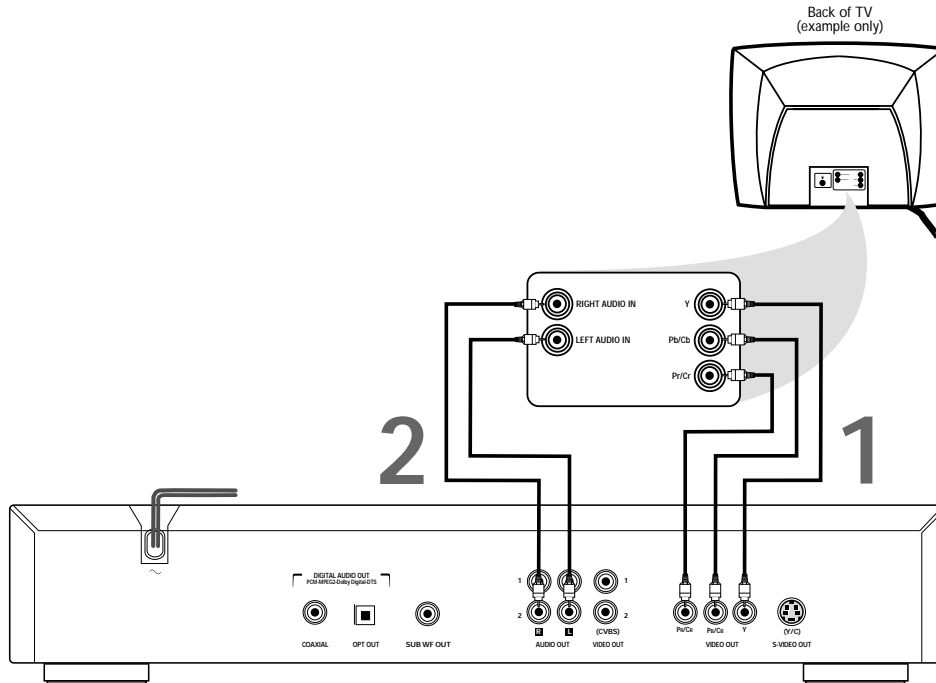
Remember...

- Connect the DVD Player directly to the TV. For example, do not connect the DVD Player to a VCR, then connect the VCR to a TV. This type of connection may distort the picture and sound. Also, your VCR might have the copy protection system, which could further distort the DVD image.
- Set the TV to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are located near channel 00. See your TV owner's manual for details.
- Set the Stereo Receiver to the correct channel or "source" mode.
- Do not connect the DVD Player's AUDIO OUT jack to the PHONO IN jack of your Stereo Receiver.
- You only need one audio connection and one video connection.

Once you determine the best option, find your choice on pages 10-14. Follow the specific steps for the hookup you chose.

10 Hookups (cont'd)

Connecting to a TV Only TV has Component Video In Jacks



1

Connect the Pr/Cr Pb/Cb Y VIDEO OUT jacks on the DVD Player to the corresponding Pr/Cr Pb/Cb Y VIDEO IN jacks on the TV. Use a Pr/Cr Pb/Cb Y cable (not supplied).

2

Connect the supplied red and white audio cables to one set of the Left and Right AUDIO OUT jacks on the DVD Player. Connect the other end of the cables to the left/right AUDIO IN jacks on the TV. Match the cable colors to the jack colors.

3

Connect the power cords of the DVD Player and the TV to the power outlet. Turn on the power of the TV and the DVD Player.

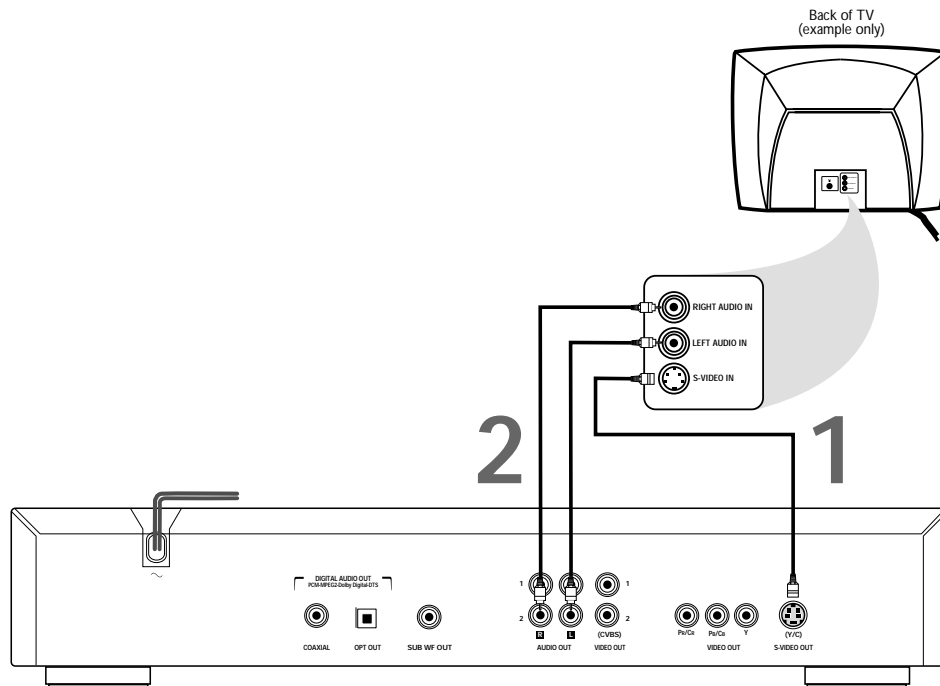
4

Set the TV to the correct Component Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are near channel 00. See your TV owner's manual for details. Or, continue to change channels at the TV until you see the DVD Player's screen saver on the TV screen.

Helpful Hint

- Your TV may have a different jack panel than the one shown. You will only need the jacks shown on this page for this hookup.

Connecting to a TV Only TV has an S-Video In Jack



1

Connect the (Y/C) S-VIDEO OUT jack of the DVD Player to the S-VIDEO IN jack on the TV. Use an S-Video cable (not supplied).

2

Connect the supplied red and white audio cables to one set of the Left and Right AUDIO OUT jacks on the DVD Player. Connect the other end of the cables to the left/right AUDIO IN jacks on the TV. Match the cable colors to the jack colors.

3

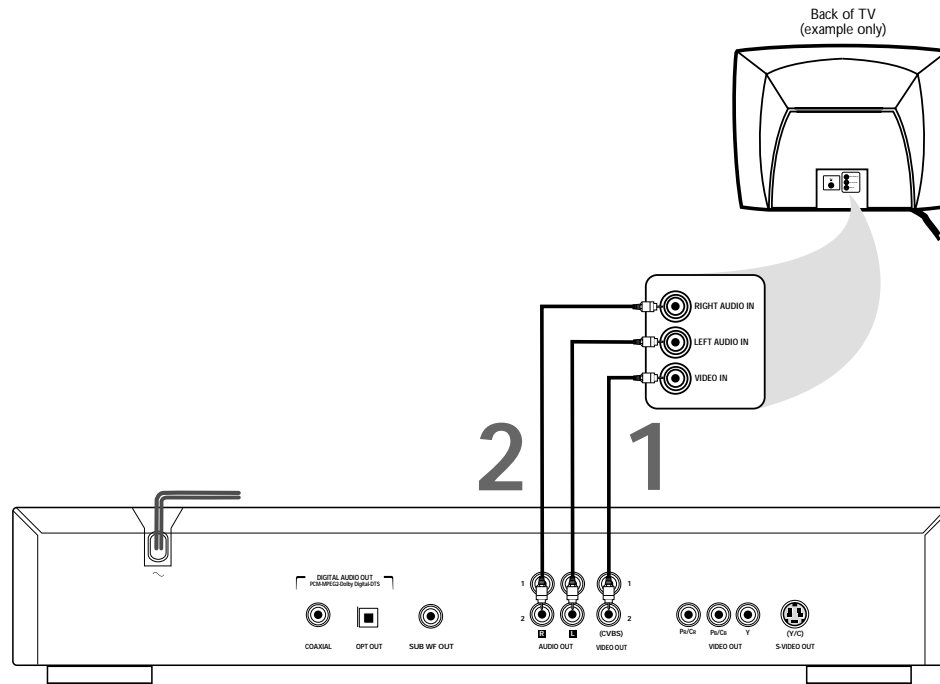
Connect the power cords of the DVD Player and the TV to the power outlet. Turn on the power of the TV and the DVD Player.

4

Set the TV to the correct S-Video In channel. This channel might be near channel 00. See your TV owner's manual for details. Or, continue to change channels at the TV until you see the DVD Player's screen saver on the TV screen.

12 Hookups (cont'd)

Connecting to a TV Only TV has a single (CVBS) Video In jack



1

Connect the yellow (CVBS) VIDEO OUT jack of the DVD Player to the corresponding VIDEO IN jack on your TV. Use the supplied yellow video cable.

2

Connect the supplied red and white audio cables to one set of the Left and Right AUDIO OUT jacks on the DVD Player. Connect the other end of the cables to the left/right AUDIO IN jacks on the TV. Match the cable colors to the jack colors.

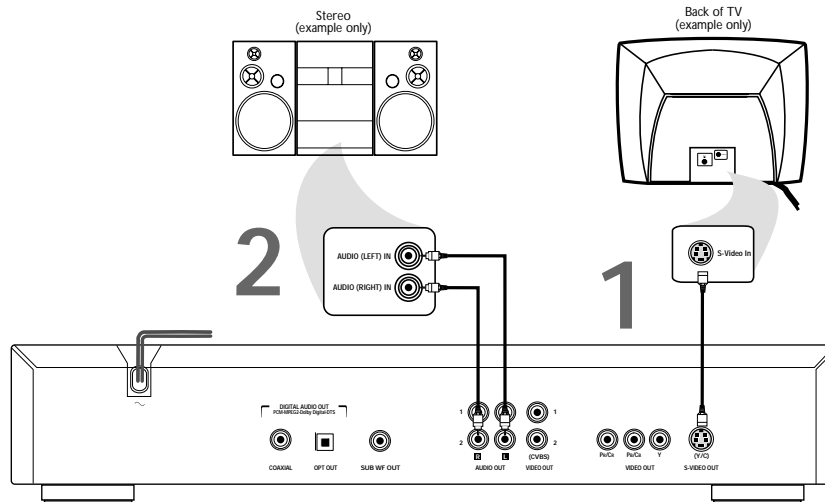
3

Connect the power cords of the DVD Player and the TV to the power outlet. Turn on the power of the TV and the DVD Player.

4

Set the TV to the correct Audio/Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are near channel 00. See your TV owner's manual for details. Or, continue to change channels at the TV until you see the DVD Player's screen saver on the TV screen.

Connecting to a TV and a Stereo Receiver Stereo has Dolby Surround or Stereo has 2-channel analog (right and left Audio In jacks)



1

Connect an S-Video cable to the S-VIDEO OUT jack of the DVD Player and to the corresponding S-VIDEO IN jack on your TV. Use an S-Video cable (not supplied).

Or, use the CVBS VIDEO OUT jack (using the supplied yellow video cable) or Component VIDEO OUT jacks. Details are on pages 10 and 12. You only need one video connection.

2

Connect the supplied red and white audio cables to one set of the Left and Right AUDIO OUT jacks on the DVD Player. Connect the other end of the cables to the left/right AUDIO IN jacks on the Stereo Receiver. Match the cable colors to the jack colors.

3

Connect the power cords of the DVD Player, Stereo Receiver, and TV to the power outlet. Turn on the power of the TV, Stereo Receiver, and DVD Player.

4

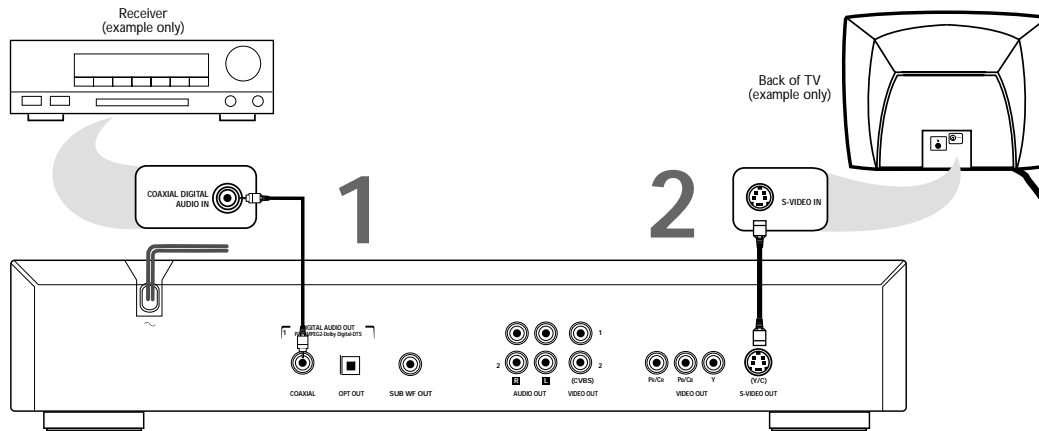
Set the TV to the correct Video In channel. Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or AV IN, S-Video In, EXT1 or EXT2, etc. These channels often are near channel 00. See your TV owner's manual for details. Or, continue to change channels at the TV until you see the DVD Player's screen saver on the TV screen.

5

Set your Stereo Receiver to the correct Audio In channel or sound source. Refer to the owner's manual of the Stereo Receiver.

14 Hookups (cont'd)

Connecting to a TV and a Multi-channel Receiver that has 2-channel digital stereo (PCM) or supports Dolby Digital™, MPEG2, or Digital Theater System



1

Connect one of the DVD Player's **DIGITAL AUDIO OUT** jacks (**COAXIAL** or **OPT(ical) OUT**) to the corresponding digital audio in jack on your Stereo Receiver. You only need one connection. Use a digital audio cable (not supplied).

2

Connect an S-Video cable to the **S-VIDEO OUT** jack of the DVD Player and to the corresponding **S-VIDEO IN** jack on your TV. Or, use the **CVBS VIDEO OUT** jack (using the supplied yellow video cable) or **Component VIDEO OUT** jacks. Details are on pages 10 and 12. You only need one video connection.

3

You may connect a subwoofer (not supplied) to the **SUB WF. OUT** jack on the DVD Player. Follow the instructions supplied with the subwoofer.

4

Connect the power cords of all the equipment to power outlets. Turn on the power of the TV, Stereo Receiver, and DVD Player.

5

Set the TV to the correct **Video In** channel. These channels often are near channel 00. See your TV manual. Or, change TV channels until you see the DVD logo on the TV screen. Set your Stereo Receiver to the correct **Audio In** channel or sound source. Refer to the Stereo's manual.

6

Set the DVD Player's digital output. Details are on page 45.

Helpful Hints

- If your Digital Output setting does not match your Stereo's capabilities, the Stereo may produce a strong, distorted sound or no sound at all.
- Six Channel Digital Surround Sound via digital connection can only be obtained if your Stereo has a Digital Multichannel Decoder.
- Your Stereo must support MPEG2, Dolby Digital™ or Digital Theater System (DTS). Check the Stereo's manual.
- When playing MP3 files, you may not hear sound if you used the DIGITAL AUDIO OUT jacks. See page 40 for details.

NTSC/PAL Settings, Black Level Shift 15

NTSC/PAL Settings

You can switch the NTSC/PAL setting of the DVD Player to match the color system of your TV. Most TVs in the United States use the NTSC color system. So, if your TV uses NTSC, set the DVD Player to NTSC. The Discs you play should have the same color system (NTSC or PAL) that you choose for the DVD Player and TV. To change the DVD Player's NTSC/PAL setting, follow the steps below. Read through all the steps first to become familiar with the process.

1

Press **POWER ON/OFF** on the front of the DVD Player to turn Off the DVD Player.

2

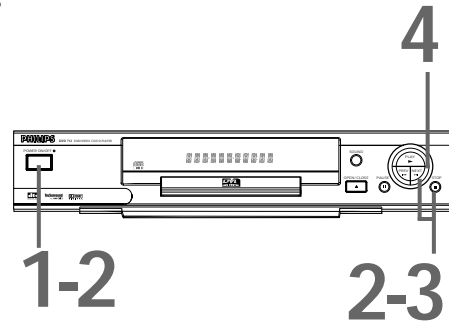
Press and hold **STOP** ■ and **NEXT** ►► on the front of the DVD Player. While still holding **STOP** ■ and **NEXT** ►►, press **POWER ON/OFF** to turn on the DVD Player.

3

After **PAL** or **NTSC** appears on the DVD Player's display panel, release **STOP** ■ and **NEXT** ►►. The **PAL** or **NTSC** indicator that appears is the current setting.

4

To change the setting, press **NEXT** ►► within three seconds. The new setting (**PAL** or **NTSC**) will appear on the display briefly.



Black Level Shift

If you set the DVD Player to **NTSC**, set **Black level shift** to **On**. This will improve the color contrast during Disc playback. **Black level shift** has no effect if the DVD Player is set to **PAL**. To set **Black level shift** to **On**, follow these steps.

1

Press the **SYSTEM MENU** button. **↑** will be selected. Press **▼**.

2

TV will be selected. Press **►**.

3

Press **▼** to select **Black level shift**, then press **►**. Press **▲** or **▼** to select **On** or **Off**, then press **OK**.

4

Press the **SYSTEM MENU** button to remove the menu.

Helpful Hints

- You may need to turn off the DVD Player, then turn it on again, before your **NTSC/PAL** changes take effect.
- You also may select **NTSC**, **PAL**, or **Auto** in the DVD Player's menu. Press the **SYSTEM MENU** button. **↑** will be selected; press **▼**. **TV** will be selected; press **►**. Then, press **▼** repeatedly to select **TV System**, then press **►**. Press **▲** or **▼** to choose **NTSC**, **PAL**, or **Auto**, then press **OK**. Press the **SYSTEM MENU** button to remove the menu.
- Select **AUTO** only if your TV has both **NTSC** and **PAL** and you are using the (CVBS) **VIDEO OUT** jack. Slight picture distortions may occur; this is normal. **AUTO** provides the best picture quality.

16 Playing a Disc

DVD AUDIO CD VIDEO CD

1

Press the **POWER ON/OFF** button on the front of the DVD Player to turn on the DVD Player. Turn on your TV. Make sure it is set to the correct **Video In** channel. You should see the DVD logo on the TV screen. Details are on page 9.

2

Press **OPEN/CLOSE** on the front of the DVD Player to open the disc tray. Load your Disc in the tray, with the label facing up. If the Disc is two-sided, make sure the side you want to play is facing up.

3

Press **OPEN/CLOSE** again to close the tray. **READING** flashes on the DVD Player's display. Playback may begin automatically.

4

If DVD playback does not start automatically, a Disc menu may appear. If the Title or Chapter selections are numbered, press a **Number** button to select an item. Or, press the **▼ ▲ ◀ ▶** buttons to select an item, then press **OK**. The number of the current Title and Chapter will appear on the display panel. Playback will begin.

If Audio CD playback does not start automatically, press **PLAY ▶** to begin Audio CD playback.

5

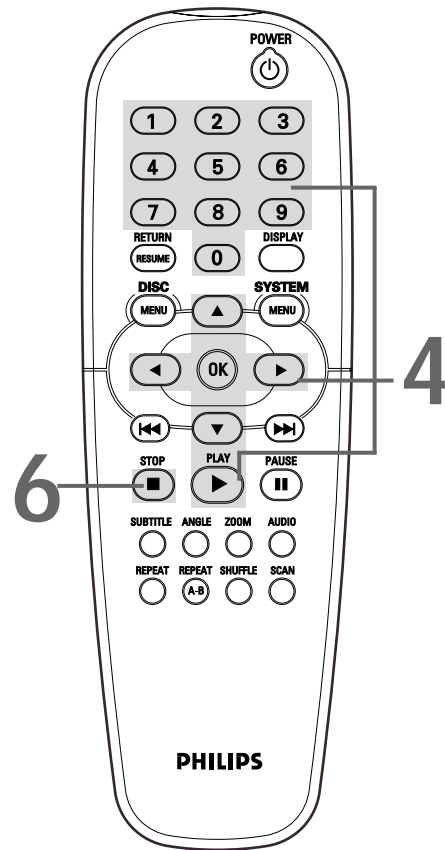
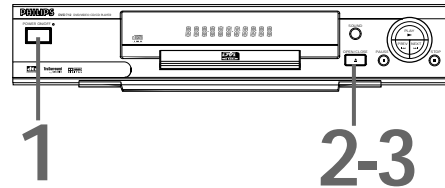
Playback will stop at the end of the Title or after the last Track.

6

To stop playback at any time, press **STOP ■**.

To resume playback at the point at which you last stopped playback on a DVD, press **PLAY ▶**. While you see **Resume ▶** on the TV screen, press **PLAY ▶** again.

The resume feature applies not only to the current DVD, but also to the last four discs you played. Reload a Disc and press the **RESUME** button. Or, press **PLAY ▶** while you see **Resume ▶** on the TV screen.



Helpful Hints

- If the Disc is Locked by Access Control, you must enter the 4-digit code or authorize the Disc. Details are on pages 30-34.
- DVDs have a region code. Your Player will not play discs that have a region code different from the region code of your Player. The Player's region code is 1 (one). Details are on page 7.
- Resume may not be available with some DVDs.

Searching, Track/Chapter Selection 17

DVD AUDIO CD VIDEO CD

Forward and Reverse Searching

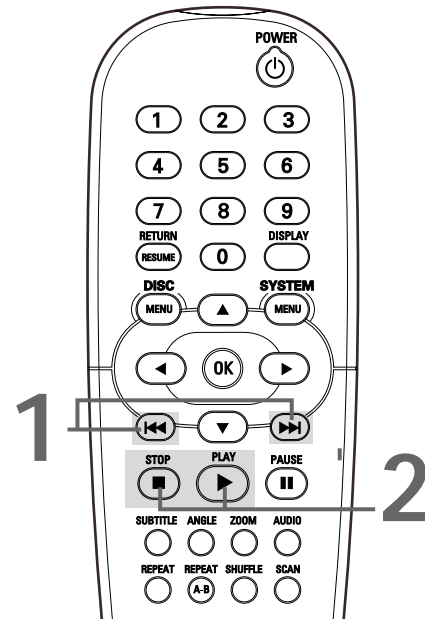
1

On a DVD, to search the Disc at four times the normal speed, press and hold **◀◀** or **▶▶** for about two seconds during playback. To search at 32 times the normal speed, press and hold **◀◀** or **▶▶** again. The sound will be muted during searching on a DVD.

On an Audio CD, to search the Disc at four times the normal speed, press and hold **◀◀** or **▶▶** for about two seconds during playback. Sound will be muted partially. To search at eight times the normal speed, press and hold **◀◀** or **▶▶** again. The sound will be muted. Each press and hold of **◀◀** or **▶▶** switches between the slower and faster search speed.

2

To end the search, press **▶** to resume playback or press **■** to stop playback.



DVD AUDIO CD VIDEO CD

Selecting Another Chapter/Track

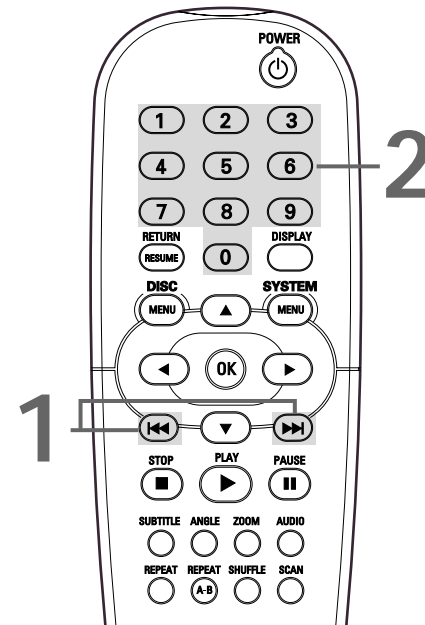
1

Press **▶▶** briefly during playback to go to the next Track/Chapter. Press **◀◀** briefly to return to the beginning of the current Track/Chapter.

Press **◀◀** repeatedly and quickly to step back to previous Tracks/Chapters.

2

To go directly to any Track/Chapter during playback, press the Number buttons to enter the Track/Chapter number. If you enter an invalid number, an "X" may appear in the top left corner of the TV screen. The current Track or Chapter will continue to play. Or, an incorrect Track/Chapter may begin to play. Make sure the Track/Chapter number you enter is available on the Disc.



Helpful Hint

- You also can press **◀** or **▶** for a forward or reverse search during playback of some DVDs.

18 Slow Motion, Still Picture/Frame-by-Frame Playback

DVD

Slow Motion

1

During Disc playback, press the SYSTEM MENU button to access the menu bar.

2

Press **▶** repeatedly to select **▶** (Slow motion) in the menu bar.

3

Press **▼** to enter the Slow motion menu. Playback will pause.

4

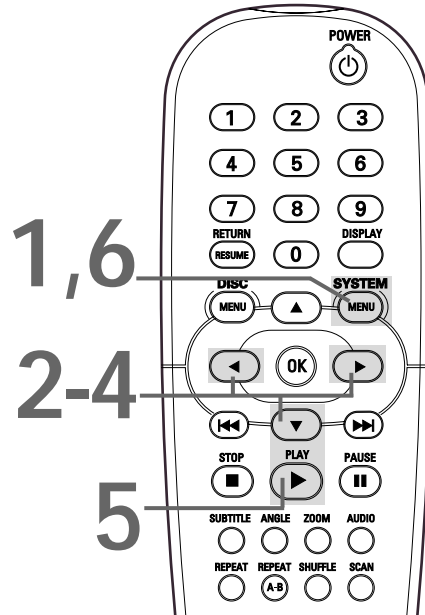
Press **◀▶** to select the required speed: -1, -1/2, -1/4 or -1/8 (backward), or +1/8, +1/4, +1/2 or +1 (forward). Select 1 to play the Disc at normal speed again. Select 0 or press PAUSE **||** on the remote control to pause the picture.

5

To return to normal playback, press PLAY **▶**.

6

Press SYSTEM MENU to remove the menu bar.



DVD

Still Picture/Frame-by-frame Playback

1

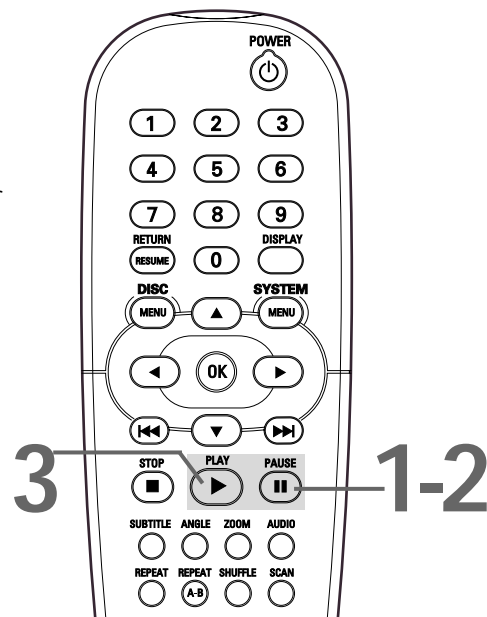
During playback, press PAUSE **||**. A still picture will appear on the TV screen.

2

To advance the still picture one frame at a time, press PAUSE **||** repeatedly.

3

To resume normal playback, press PLAY **▶**.



Scan, Shuffle 19

DVD

AUDIO CD

VIDEO CD

Scan

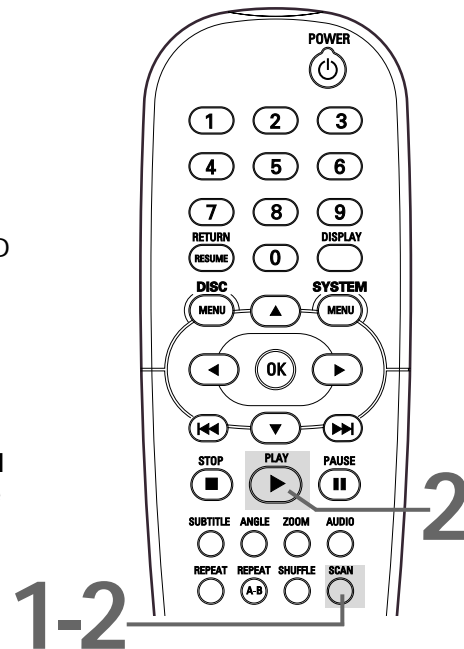
Scanning plays the first 10 seconds of each Chapter/Track on the Disc.

1

Press the **SCAN** button. SCAN will appear briefly on the DVD Player display panel. Scanning will begin, starting at the beginning of the current Chapter/Track if you pressed the SCAN button during playback.

2

To continue playback from a Chapter/Track, press **SCAN** again or press **PLAY** ►. SCAN OFF will appear briefly on the display panel.



DVD

AUDIO CD

VIDEO CD

Shuffle

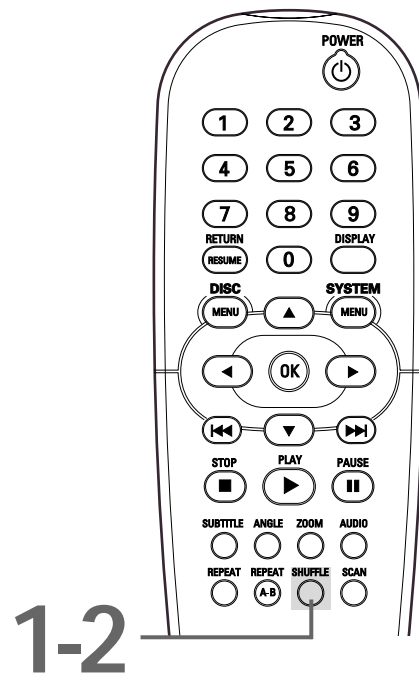
On a DVD, this shuffles the playing order of Chapters within a Title, if the Title includes more than one Chapter. On an Audio CD, activating Shuffle will play all the Tracks in random order.

1

Press the **SHUFFLE** button. SHUFFLE will appear briefly on the DVD Player display panel. The Tracks or Chapters will begin playing in random order.

2

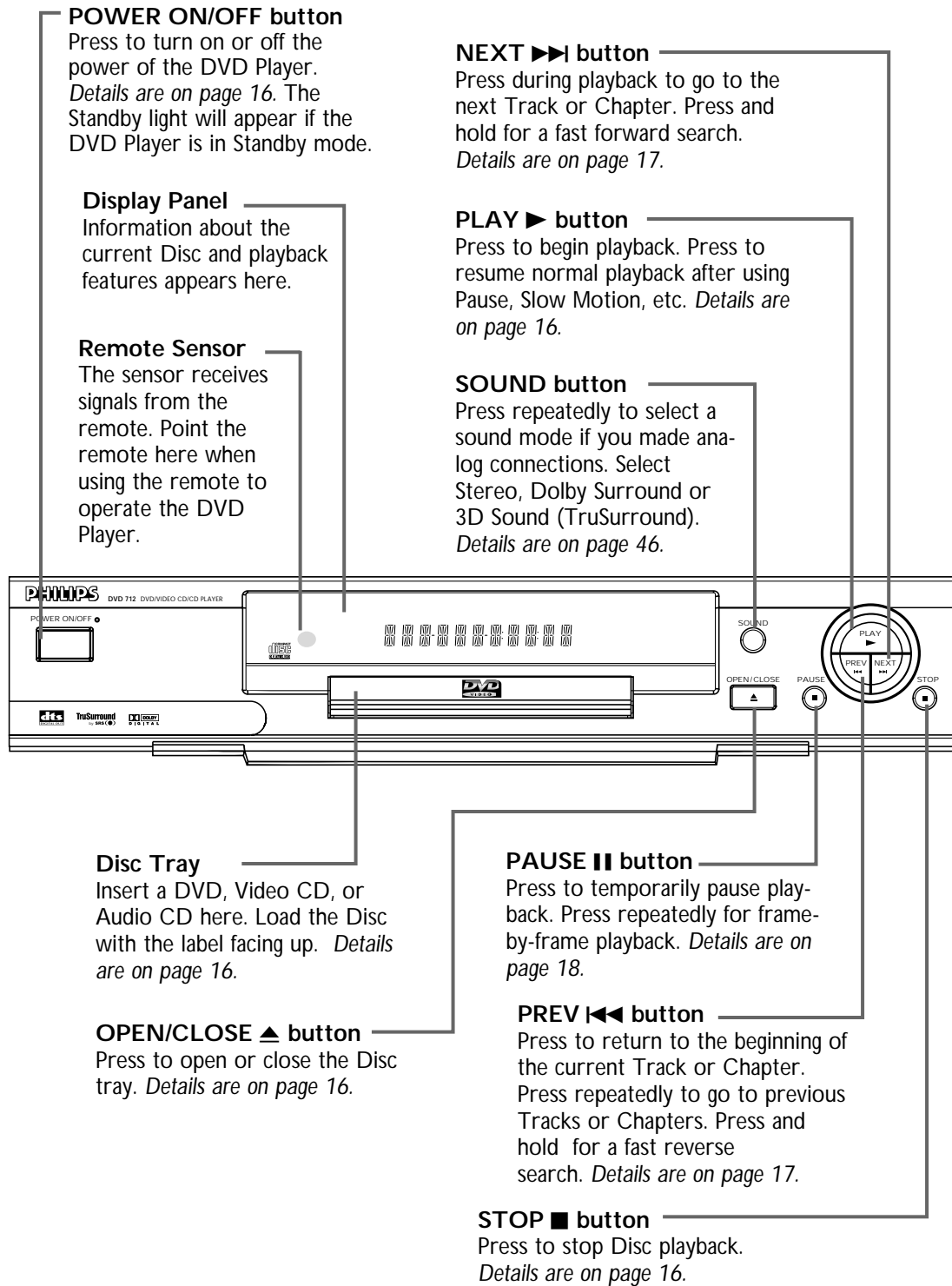
To return to normal order playback, press the **SHUFFLE** button again. SHUFFLE OFF will appear briefly on the display panel. Regular playback will resume from the current Track/Chapter.



Helpful Hint

- Set FTS to Off to ensure Scan and Shuffle operate as described above. Details are on pages 36-39.

20 Front Panel



Rear Panel 21



PR/CR Pb/Cb Y VIDEO OUT

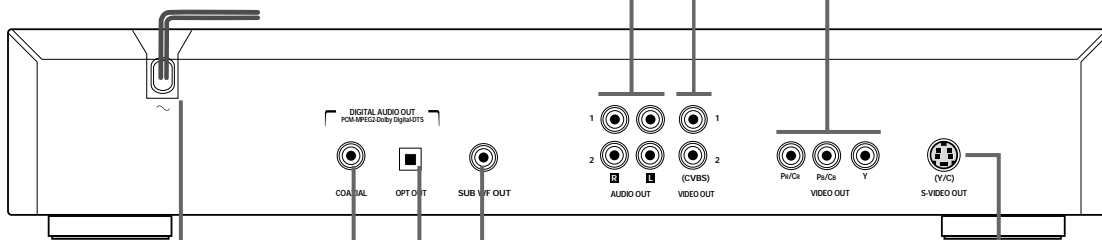
Connect an optional component video cable here and to the component Video In jacks of a TV. *Details are on pages 10, 13-14.*

(CVBS) VIDEO OUT

Connect the yellow video cable (supplied) here and to the TV's Video In jack. *Details are on page 12.*

AUDIO OUT (Left/Right)

Connect the supplied red and white audio cables here and to the Audio In jacks of a television or Stereo Receiver. *Details are on pages 10-13.*



AC Power cord

Connect to a standard AC outlet to supply power to the DVD Player.

COAXIAL (Digital Audio Out)

Connect an optional audio coaxial digital cable here and to the coaxial digital Audio In jack of a Stereo Receiver. *Details are on page 14.*

OPT OUT (Digital Audio Out)

Connect an optional audio optical cable here and to the optical digital Audio In jack of a Stereo Receiver. *Details are on page 14.* When the OPT OUT jack is not in use, make sure its protective cap is in place.

SUB WF OUT (Subwoofer Out)

Connect this jack to the In jack on your Subwoofer (not supplied). Refer to the Subwoofer manual for details.

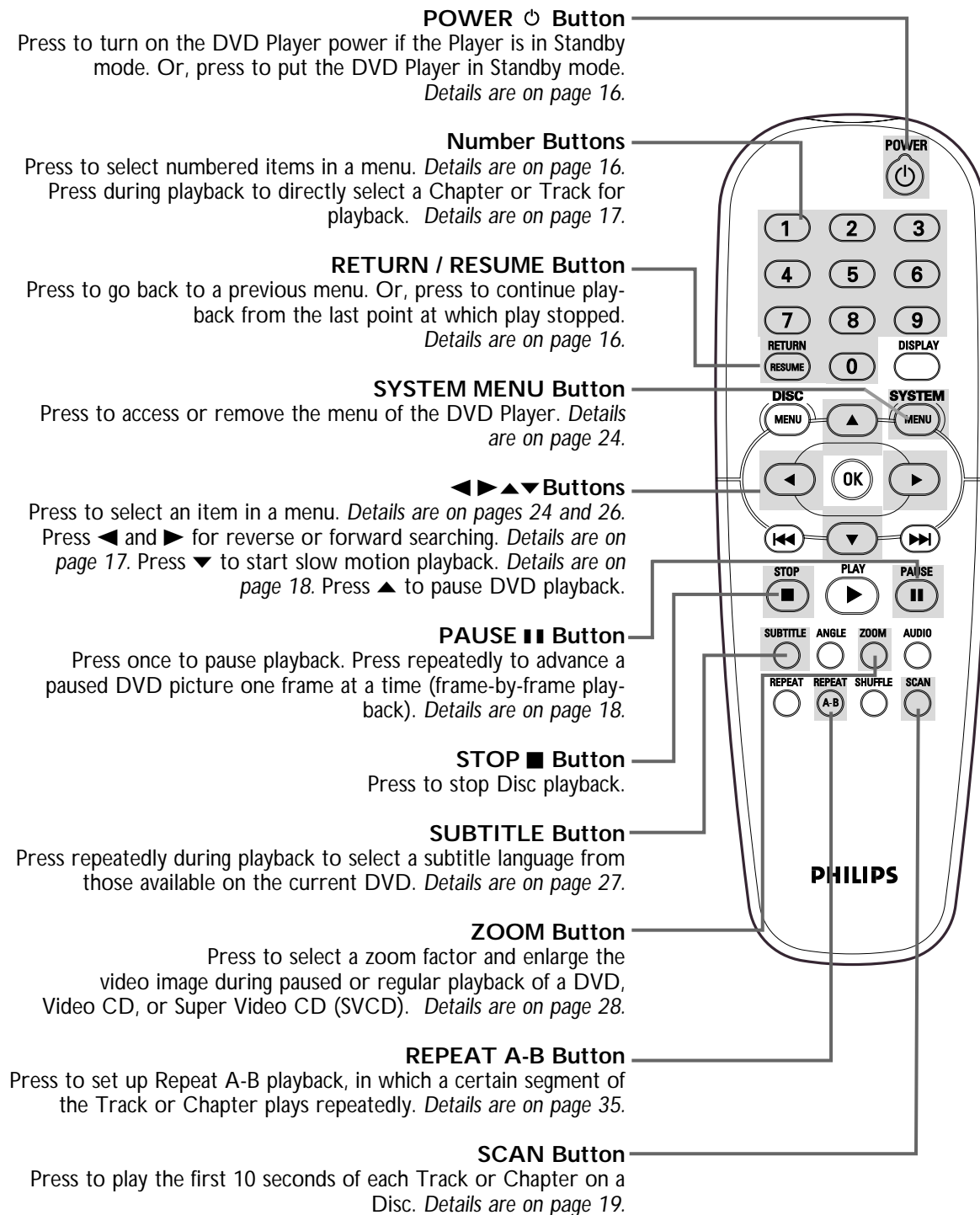
S-VIDEO OUT (Y/C)

Connect an optional S-Video cable here and to the S-Video In jack of a television. *Details are on page 11.*

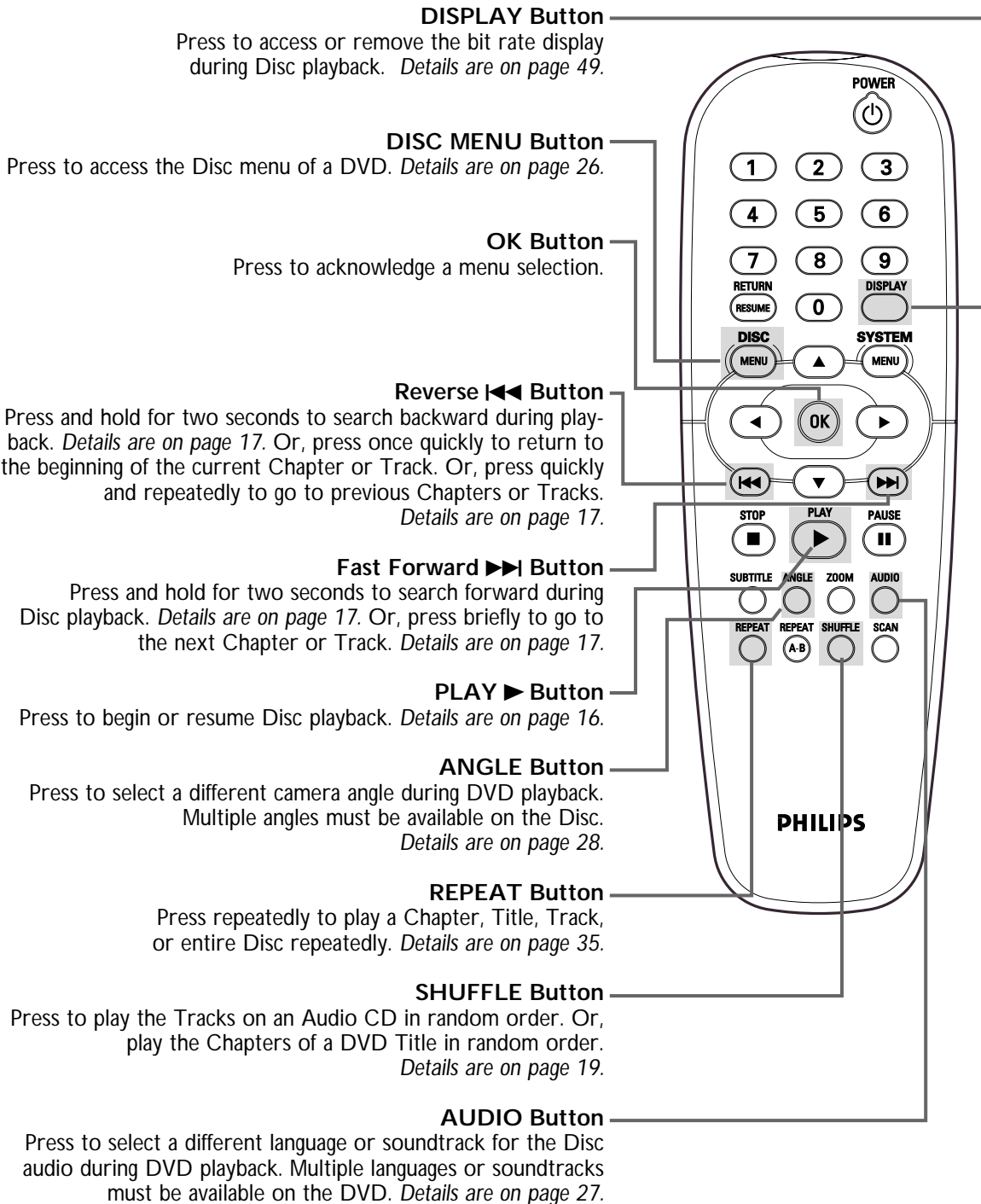
Caution

- Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

22 Remote Control Buttons



Remote Control Buttons (cont'd) 23








24 Menu Bars

In addition to using the shortcut buttons on the remote control to select features, you can also use the Menu Bars to operate features.






Press SYSTEM MENU repeatedly to select Menu Bar 1, Menu Bar 2, or Menu Bar 3. Press SYSTEM MENU again to remove all the Menu Bars from the TV screen.

When a Menu Bar is on the screen, press the ▲ ▼ ► ◀ buttons to select an item. The ▲ ▼ ► ◀ symbols in the Menu Bar mean more items are available. Press ▲ ▼ ► ◀ on the remote control to select these items or to change the setting of an item.





Menu Bar 1

-  **User Preference Settings** Set your preferences for audio and video quality, depending on the equipment you connected to the DVD Player. Also set up Languages, Access Control, Playback Control, and DVD Player display messages here.
-  **Subtitle Language** If the current Disc has subtitles in multiple languages, select a language here. *Details are on page 27.*
-  **Audio Language** If the current Disc has multiple audio soundtracks, choose one here. For example, some Discs let you play the movie in Spanish, or hear a director's commentary during playback. Check the Disc case for details. *Details are on page 27.*
-  **Smart Picture** Choose a color setting that you prefer. *Details are on page 44.*
-  **Sound Mode** Select to choose a sound mode: Stereo, Dolby Surround, or 3D Sound. *Details are on page 46.*

Menu Bar 2

-  **Frame-by-frame playback** Select for forward or reverse frame-by-frame playback of a DVD.
-  **Slow motion** Select to slow the speed of DVD playback. *Details are on page 18.*
-  **Fast motion** Select to play a DVD forward or backward at four, eight, or 32 times the normal playback speed.
-  **Angle** Select to choose a different camera angle, if available, during DVD playback. *Details are on page 28.*
-  **Zoom** Select to enlarge the DVD picture by 1.33, 2, or 4 times the normal size. *Details are on page 28.*

Menu Bar 3

-  **Title** Select to choose an available Title for playback.
-  **Chapter** Select to choose an available Chapter for playback.
-  **Time Search** Select to enter a specific time at which you want playback to begin. *Details are on page 29.*
-  **Favorite Track Selection (FTS)** Select to enter the Favorite Track Selection menu and set up an FTS program. *Details are on pages 36-39.*

On-screen Symbols / Status Window 25

On-screen Symbols

The following symbols appear in the top left corner of the TV screen when you activate a feature.



Scan The first 10 seconds of each Track or Chapter will play. *Details are on page 19.*



Repeat A-B A segment of the Disc will play repeatedly. *Details are on page 35.*



Repeat All The entire Disc will play repeatedly. *Details are on page 35.*



Angle Multiple angles are available. *Details are on page 28.*



Repeat Title The current Title will play repeatedly. *Details are on page 35.*



Locked The current Disc is locked and can not play. *Details are on pages 30-34.*



Repeat Track The current Track will play repeatedly. *Details are on page 35.*



Safe The current Disc is authorized for playback. *Details are on pages 30-34.*



Repeat Chapter The current Chapter will play repeatedly. *Details are on page 35.*



Resume Press the PLAY ► button while Resume appears. Play will resume at the point at which it last stopped.



Shuffle The Tracks or Chapters will play in random order. *Details are on page 19.*



"X" The feature you just attempted is not available on the current Disc or at the current time.



Shuffle Repeat The Tracks or Chapters will play repeatedly in random order.



Repeat A Point A for Repeat A-B playback has been entered. *Details are on page 35.*

Status Window

Different information appears in the Status Window. The window may indicate when the disc tray is opening or closing, what type of Disc is installed, and total or remaining Disc playback time. A status window example is below.



The status window appears only if Status window is On. To set Status window to On: Press the **SYSTEM MENU** button. will be selected. Press repeatedly to select , then press . Press to select Status window, then press . Press to choose On, then press **OK**. Press the **SYSTEM MENU** button to remove the menu.

26 Disc Menus, Playback Control

DVD

Title/Disc menus

1

Press the **DISC MENU** button. If the current Title of the current Disc has a menu, the Title menu will appear on the screen. Otherwise, the Disc menu will appear.

The menu may list camera angles, spoken language and subtitle options, and Chapters for the Title.

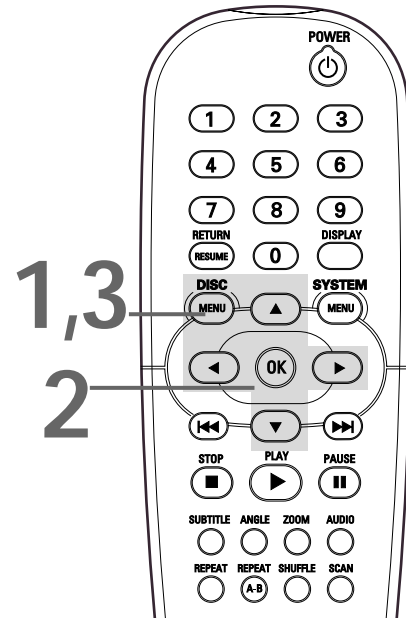
2

Press the **◀▶▲▼** buttons on the remote control to select items in the menu, then press **OK** to continue.

Continue until you set up all the features you want.

3

If you do not start Disc playback from the menu, press the **DISC MENU** button to remove the menu.



VIDEO CD

Playback Control (PBC)

This feature is available only on Video CDs. The Video CD must be compatible with Playback Control. Check the Video CD case for details.

1

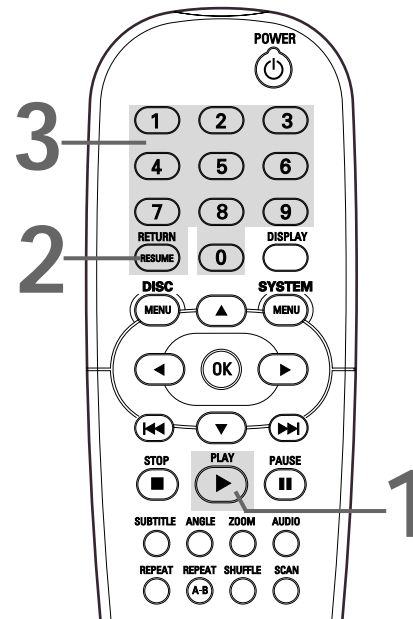
Load a Video CD with PBC and press the **PLAY ▶** button. The Video CD will show instructions or options on the TV screen. Use the DVD Player's remote control buttons as directed by the Video CD.

2

Press **RETURN** to go to a previous menu.

3

If a PBC menu has Titles, select a Title directly by pressing the Number buttons on the remote.



Helpful Hint

- You may turn off PBC. Press the **SYSTEM MENU** button. **↑** will be selected; press **▼** repeatedly to select **⊖**, then press **▶**. Press **▼** repeatedly to select **PBC**, then press **▶**. Press **▲** or **▼** to choose **On** or **Off**, then press **OK**. Press the **SYSTEM MENU** button to remove the menu.

Audio and Subtitle Languages 27

DVD

Audio Language

Some DVDs are recorded in different languages. You may be able to watch the same movie in French, Spanish, etc. The movie may have special audio features, such as a director's commentary or music soundtrack. If these are available on the DVD, access the different languages or featured soundtracks by following these steps.

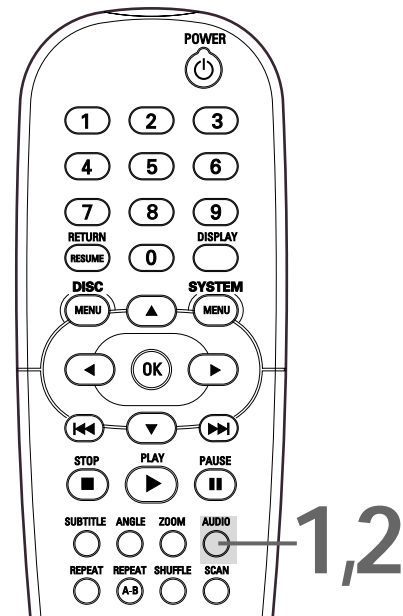
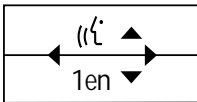
1

During DVD playback, press the **AUDIO** button.

⏮ Audio will be selected in the menu bar.

2

Within five seconds, press the **AUDIO** button repeatedly to see the different languages available. Or, press ▲ or ▼ repeatedly to see the different languages. The language you select will be audible in a few seconds. The menu bar will disappear automatically in a few seconds.



DVD

Subtitles

Some DVDs include subtitles in different languages. To choose subtitles, follow these steps.

1

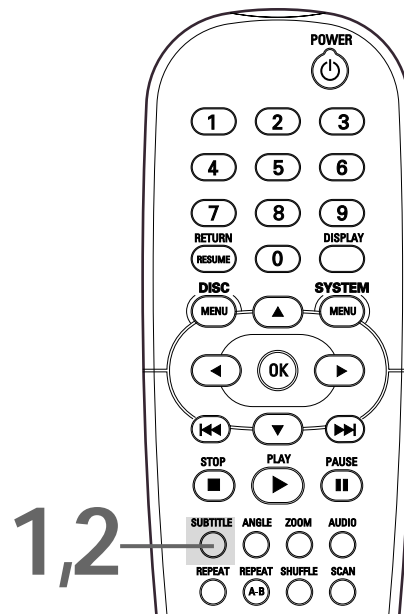
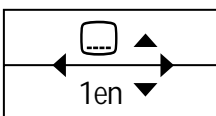
During DVD playback, press the **SUBTITLE** button.

⏮ Subtitle will be selected in the menu bar.

2

Within five seconds, press the **SUBTITLE** button repeatedly to see the different subtitle languages. Or, press ▲ or ▼ to see the different subtitle languages. Subtitles will appear after a few seconds. The menu bar will disappear automatically in a few seconds.

You can choose subtitles only if they are available on the DVD.



28 Zoom, Angles

DVD

VIDEO CD

Zoom

Zooming lets you enlarge the video image during DVD playback and pan through the enlarged image.

1

Press the **ZOOM** button during DVD playback. Zoom will be selected in the menu bar.



2

Within five seconds, press **▲** or **▼** to choose 1.33, 2 or 4. Playback will pause, and the still picture will appear at 1.33, 2, or 4 times the normal size.

3

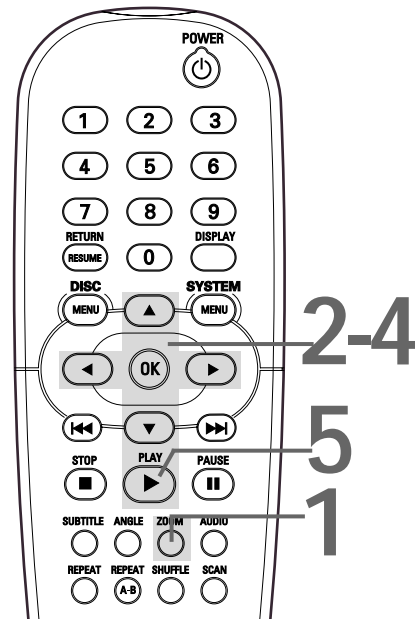
To move the enlarged picture around on the TV screen, or "pan," press the **OK** button. Then, press the **◀▶▲▼** buttons to move the picture across the screen.

4

Press **OK** again to see only the still, zoomed picture. The menu bar will disappear. The still, zoomed picture will dim if left on the TV screen for more than five minutes. This prevents damage to your TV.

5

To remove the zoomed image and return to regular playback, press the **PLAY ▶** button.



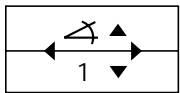
DVD

Camera Angle

Some DVDs include scenes recorded from different angles. To watch segments from a different angle, follow these steps.

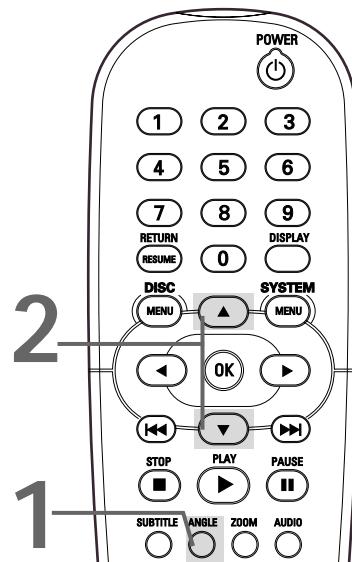
1

During DVD playback, press the **ANGLE** button. Angle will be selected in the menu bar.



2

Within five seconds, press **▲** or **▼** to select a different angle. In a few seconds, playback changes to the selected angle.



Time Search 29

DVD

VIDEO CD

Time Search lets you choose a specific time at which you want to begin Disc playback.

1

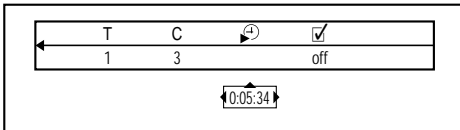
Press the **SYSTEM MENU** button.

2

Press the **▶** button repeatedly to select **Time Search**.

3

Press the **▼** button. Playback will pause; a time edit box will appear, showing the elapsed playing time of the current Disc, or the point at which the Disc is currently.



4

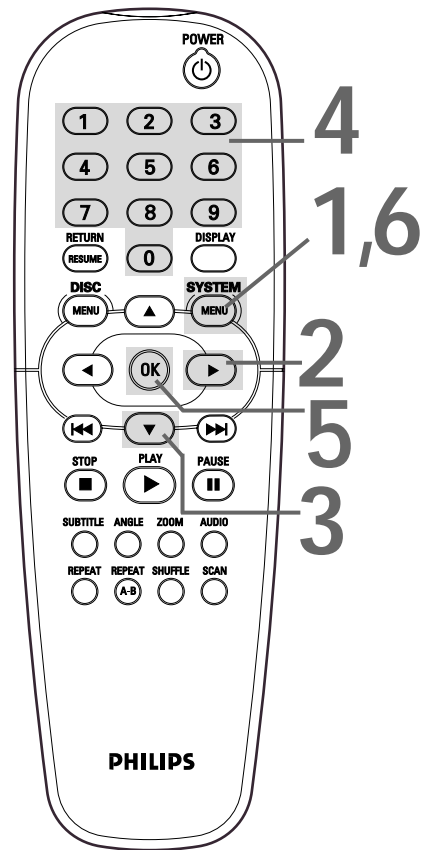
Press the **Number** buttons to enter the time at which you want playback to begin. Enter the hour, minute and second from left to right in the box.

5

Press **OK**. After a few seconds, playback will resume at the point you selected.

6

Press the **SYSTEM MENU** button to remove the menu.



30 Access Control

DVD VIDEO CD


Access Control limits viewing of Discs that exceed the limits you set. This feature will not limit viewing if the Disc manufacturer did not code the Disc. Philips cannot guarantee the availability of Access Control with all Discs, and therefore denies any liability associated with unintended watching of Discs. Make sure your Discs play according to your Access Control settings before you allow children access to the DVD Player.

Setting or Changing the 4-digit Code

1

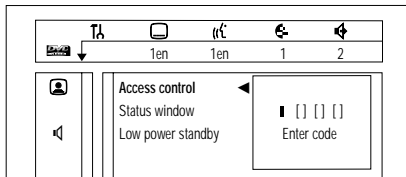
Press the **SYSTEM MENU** button.  will be selected.

2

Press the **▼** button repeatedly to select , then press the **▶** button. Access control will be selected.

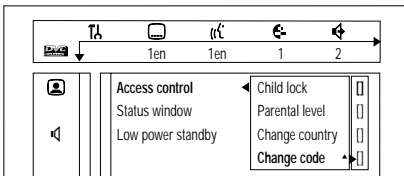
3

Press the **▶** button again, then press the **Number** buttons to enter your old four-digit code. When doing this the first time, enter any four numbers you prefer. You will have to enter the same code, exactly, twice. This will set your code for the first time.



4

Press the **▼** button repeatedly to select **Change code**. Then, press the **▶** button.

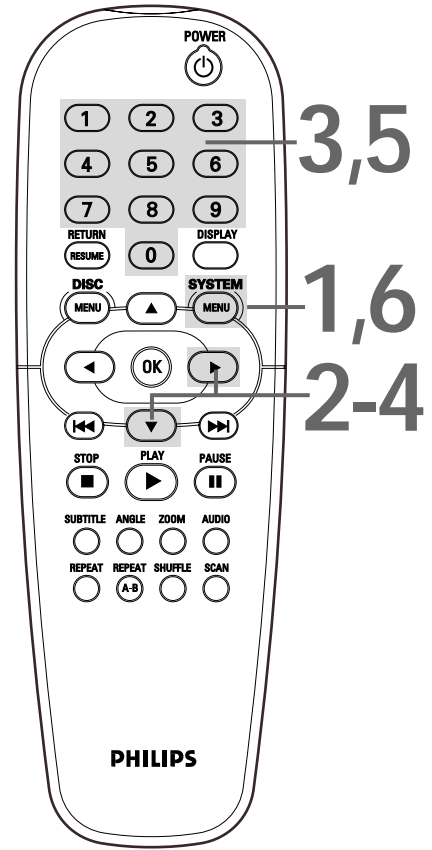


5

Press four **Number** buttons to enter the new four-digit code. Then, enter it again - exactly - to confirm it.

6

Press the **SYSTEM MENU** button to remove the menu.



Helpful Hint

- You may need to enter the four-digit code twice when you: enter the code for the very first time; change the code; or cancel the code.


Access Control (cont'd) 31

Activating/Deactivating Child Lock in Access Control

1

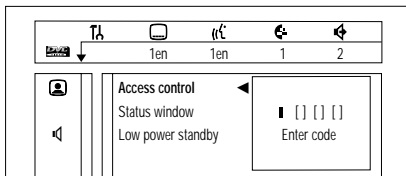
Press the **SYSTEM MENU** button.  will be selected.

2

Press the **▼** button repeatedly to select , then press the **▶** button. Access control will be highlighted.

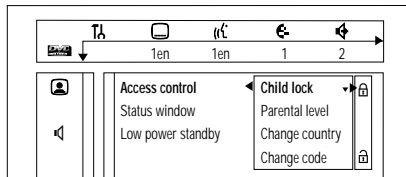
3

Press the **▶** button again, then press the Number buttons to enter your four-digit code. *Details are on page 30.*





4

Child lock will be highlighted. Press the **▶** button.

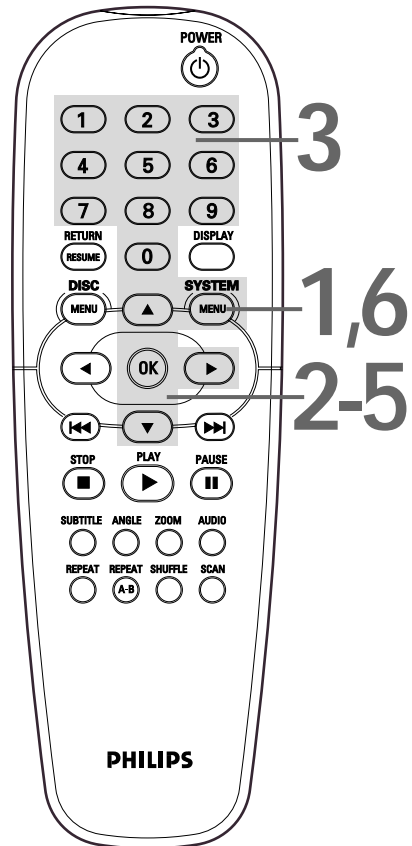


5

Press the **▲** or **▼** button to select Locked  or Unlocked . Press the **OK** button. If you chose Locked, unauthorized or Locked discs will not play unless you enter your four-digit code.

6

Press the **SYSTEM MENU** button to remove the menus.



32 Access Control (cont'd)

Locking or Unlocking Specific Discs

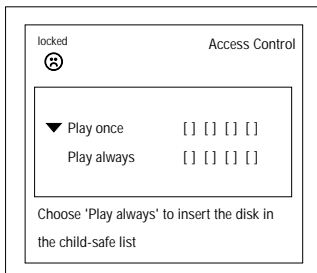
Not all DVDs are coded with rating information or Parental Control levels. You may choose to specifically lock or unlock a Disc by choosing Play once or Play always. This way, you can disable viewing regardless of the rating of the DVD.

You will need to know your 4-digit code.

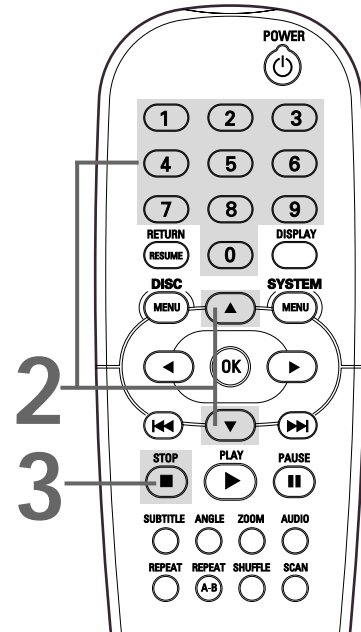
The DVD Player can memorize Lock/Unlock settings for 120 Discs. A Disc is memorized when you select Play Always. Playing an unlocked Disc will place it at the top of the list. When the list is full and a new Disc is added, the last Disc in the list will be removed from the list.

1

Insert a Disc. The Access Control message will appear on the TV screen. PIN will appear on the display panel of the DVD Player.



1

 Insert a Disc.

2

Press the ▲ or ▼ button to select Play once or Play always. Then, press the Number buttons to enter your four-digit code.

- If you select Play Once, the Disc can play as long as it is in the DVD Player and the DVD Player power is On.
- If you select Play Always, the Disc will play always, even if you set Child Lock to (Locked). *Details are on page 31.*

3

If you later decide to lock the Disc so that it will not play always:

When you insert the Disc, playback begins automatically and appears on the TV screen. **Press the STOP button while is on the TV screen.** The locked will appear. If the Disc continues playing, press the STOP button again to stop playback. You may need to turn off the DVD Player or remove the disc before the Disc is completely Locked. The next time you turn on the DVD Player, the Disc will not play unless you enter the four-digit code.

Helpful Hints


- The Access Control screen will appear when you try to play a Locked Disc. If you do not know your code, press STOP . Then, select Access Control as described in steps 1-3 on page 30. When you are asked to enter the code, press STOP four times. Press SYSTEM MENU, then press PLAY to start playback.
- Two-sided DVDs may have a different ID for each side. To unlock the entire Disc, unlock each side.
- Multi-volume Video CDs may have a different ID for each volume. To unlock the complete set, unlock each volume.

Access Control (cont'd) 33


Setting Parental Levels

DVDs may contain alternative scenes that conform to the Parental Level, or movie rating, that you select. The Parental Level may apply to the complete Disc or to certain scenes on the Disc. These scenes are rated from 1 to 8. Follow the steps below to set the Parental Level at which you want Discs to play.

1

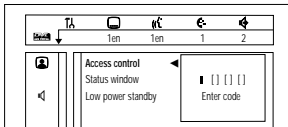
Press the **SYSTEM MENU** button.  will be highlighted.

2

Press the **▼** button repeatedly to select , then press the **►** button. Access control will be highlighted.

3

Press the **►** button again, then press the Number buttons to enter your four-digit code.



4

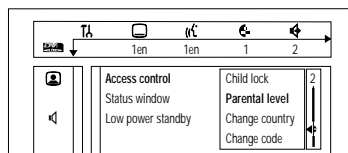
Press the **▼** button to select Parental level, then press the **►** button.

5

Press the **▲** or **▼** buttons or the Number buttons (1-8) to select a rating, then press the **OK** button.

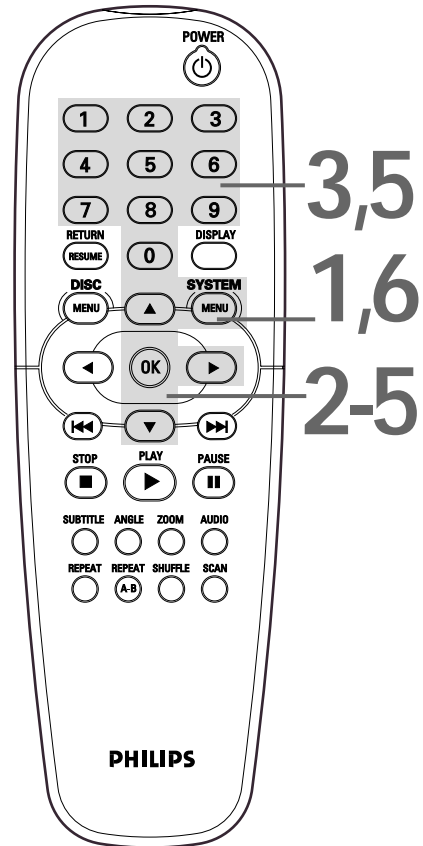
Select "0" (– –) to deactivate Parental level. The entire Disc will play.

Choose a rating between 1-8, and scenes with the same rating or lower will play. Higher rated scenes will not play unless an alternative scene is available on the Disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback will stop. Enter the 4-digit code to play the Disc.



6

Press the **SYSTEM MENU** button to remove the menus.



Helpful Hint

- You may select a rating between 1-8. One (1) limits the most playback. Select the lower numbers if you want to block most viewing for movies rated above G for General Audience. Eight (8) allows the most playback, allowing viewing of almost everything.


34 Access Control (cont'd)

Changing the Country


If a Disc has Parental Level coding, the codings are applicable only for the country specified on the Disc. The Disc manufacturer sets these codings. For example, a Disc may be coded at Level 3 for the United States.

So, for some Discs, you may need to choose the Country for which the Disc is coded in order for the Disc to play at the Parental Level you select. *Parental Level details are on page 33.*

1

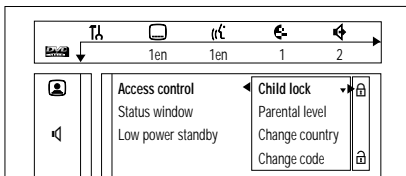
Press the **SYSTEM MENU** button.  will be selected.

2

Press the **▼** button repeatedly to select , then press the **▶** button. Access control will be highlighted.

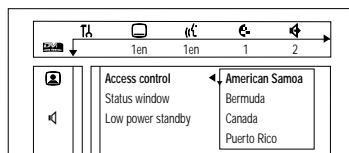
3

Press the **▶** button again, then press the **Number** buttons to enter your four-digit code. Child lock will be highlighted.



4

Press the **▼** button repeatedly to select **Change country**. Then, press the **▶** button.

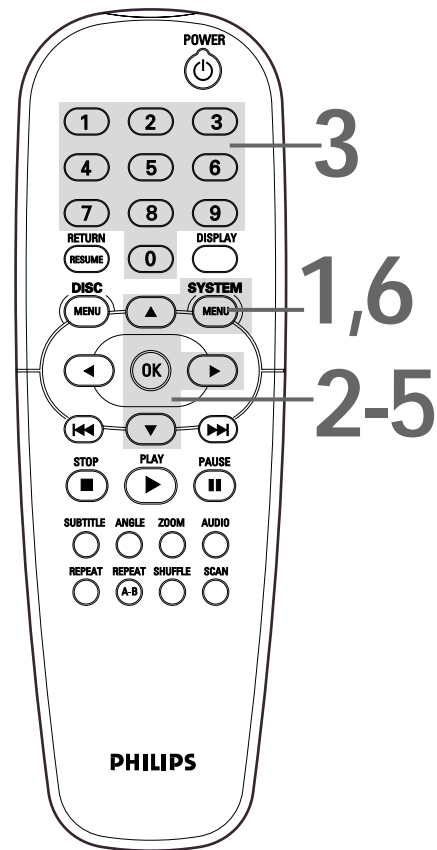


5

Press the **▲** or **▼** button to select the country for which the Disc is coded, then press the **OK** button.

6

Press the **SYSTEM MENU** button to remove the menus.



Repeat, Repeat A-B 35

DVD

AUDIO CD

VIDEO CD

Repeat

You may play a Chapter, Track, Title or entire Disc repeatedly.

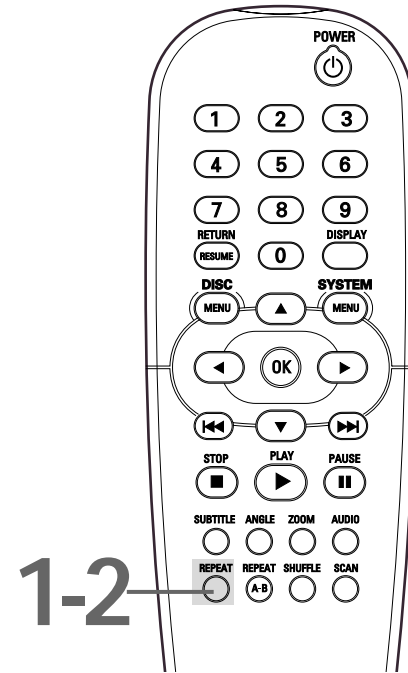
1

During Disc playback, press the REPEAT button repeatedly to choose a Repeat mode. The Repeat mode will appear in the on-screen symbols on the TV screen. *Details are on page 25.*

- To repeat the current Chapter or Track, press the REPEAT button. REPEAT CHPT or REPEAT TRK will appear briefly on the DVD Player's display panel.
- To repeat the current Title, press REPEAT again. REPEAT TITL will appear briefly on the display panel.
- To repeat the entire Disc, press REPEAT again. REPEAT DISC will appear briefly on the display panel.

2

To cancel repeat playback, press the REPEAT button again. REPEAT OFF will appear briefly on the DVD Player's display panel.



Repeat A-B

You can also set the DVD Player to play only a specific portion of a Chapter or Track repeatedly. Follow these steps.

1

Press the PLAY ► button to start Disc playback.

2

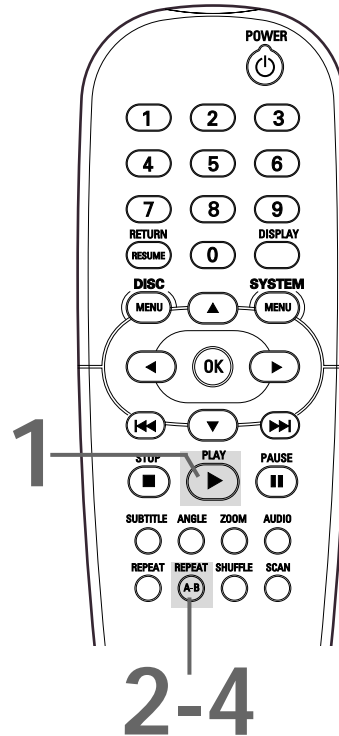
When the Disc reaches the point at which you want repeated playback to begin, press the REPEAT A-B button. A- will appear briefly on the TV screen.

3

When the Disc reaches the point at which you want to end the segment, press the REPEAT A-B button again. REPEAT A-B will appear briefly on the DVD Player's display panel. The segment will begin playing repeatedly.

4

To resume regular playback, press the REPEAT A-B button again. REPEAT OFF will appear briefly on the DVD Player's display panel. Regular playback will resume.



36 Video FTS

DVD

VIDEO CD

A Video FTS Program lets you play your favorite Titles/Chapters or Tracks/Indexes in the order you set. A Program can contain 20 items (titles, chapters, etc.).

Setting up a Program

1

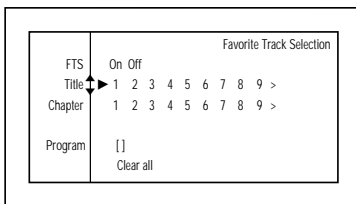
While playback is stopped, press the **SYSTEM MENU** button.

2

Press the **▶** button repeatedly to select Favorite Track Selection in the menu bar. Press the **▼** button. FTS will be highlighted.

3

Press the **▼** button to select Title, then press the **▶** and **◀** buttons to select a Title number you want. If you want to put the entire Title in the Program, press the **OK** button. The Title number will show in the Program.



4

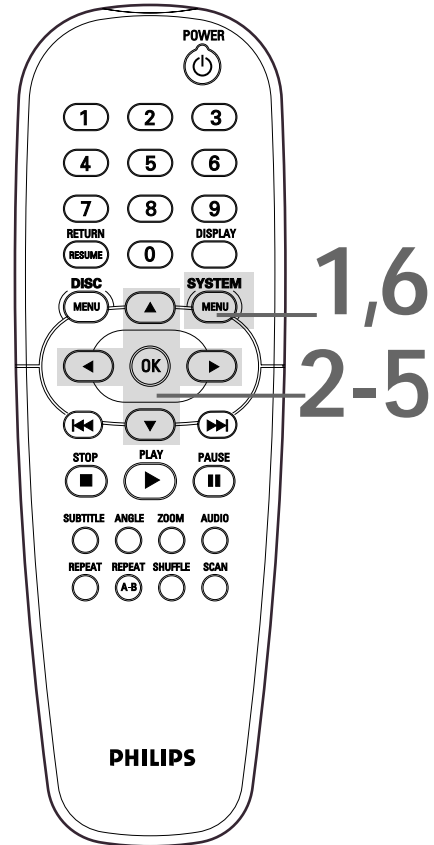
If you want to play only a certain Chapter within a Title, press the **▼** button to select Chapter. Press the **▶** and **◀** buttons to select a Chapter number, then press the **OK** button. The Title and Chapter number will show in the Program. Continue steps 3-4 until you enter all the Chapters or Titles you want.

5

Press the **▲** button to select FTS, then press **▶** or **◀** to choose On or Off. Then press the **OK** button. If you choose On, press the **PLAY ▶** button to play the Program.

6

Press the **SYSTEM MENU** button to remove the menu bar.



Erasing an entire Program

1

While playback is stopped, press the SYSTEM MENU button.

2

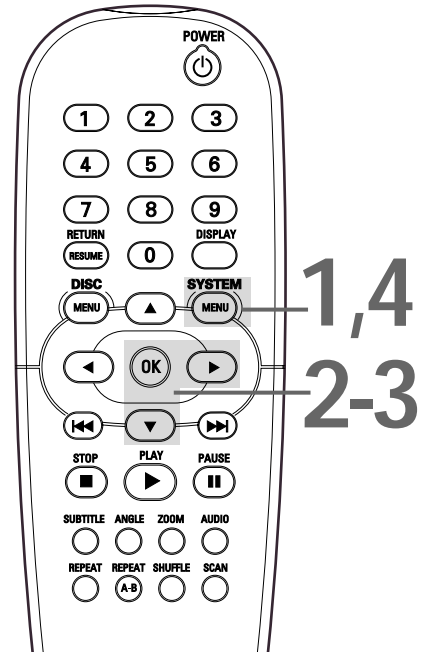
Press the ► button repeatedly to select Favorite Track Selection in the menu bar.

3

Press the ▼ button repeatedly to select Clear all, then press the OK button. This will erase the program and set FTS to Off automatically.

4

Press the SYSTEM MENU button to remove the menu.



Erasing an Item in the Program

1

While playback is stopped, press the SYSTEM MENU button.

2

Press the ► button repeatedly to select Favorite Track Selection in the menu bar. Then, press the ▼ button.

3

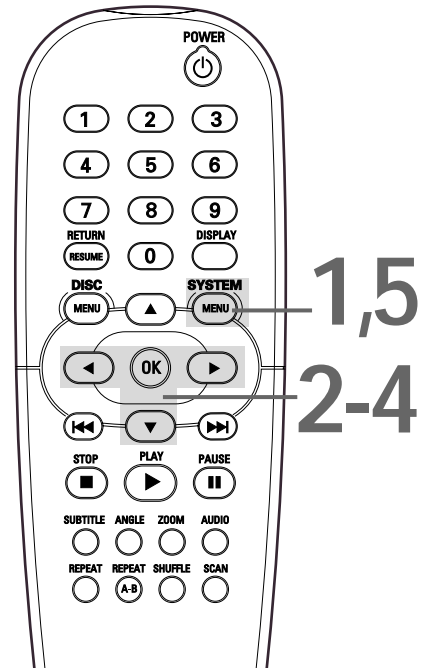
Press the ▼ button to select Program, then press the ► or ◀ button to select an item.

4

Press the OK button to erase the item.

5

Press the SYSTEM MENU button to remove the menus.



38 Audio CD FTS

AUDIO CD

An Audio CD FTS Program lets you play your favorite Tracks in the order you set. A Program can contain 20 Tracks.

Setting up a Program

1

Load an Audio CD. Press the **STOP** ■ button to stop Disc playback if necessary.

Audio Disk Mode				
Stop	Track	Time	Total tracks	Total time
■	--	-----	14	5:29.78
FTS	On Off			
Track	1 2 3 4 5 6 7 8 9 >			
Program	Clear all			

2

Press the ▼ button to select Track.

3

Press the ► and ◀ buttons to select a Track number, then press the **OK** button. The selected Track will show in the Program. The total number of Tracks and the total playing time of the Program will appear at the top of the display and on the DVD Player's display panel.

Repeat step 3 until you add all the Tracks you want.

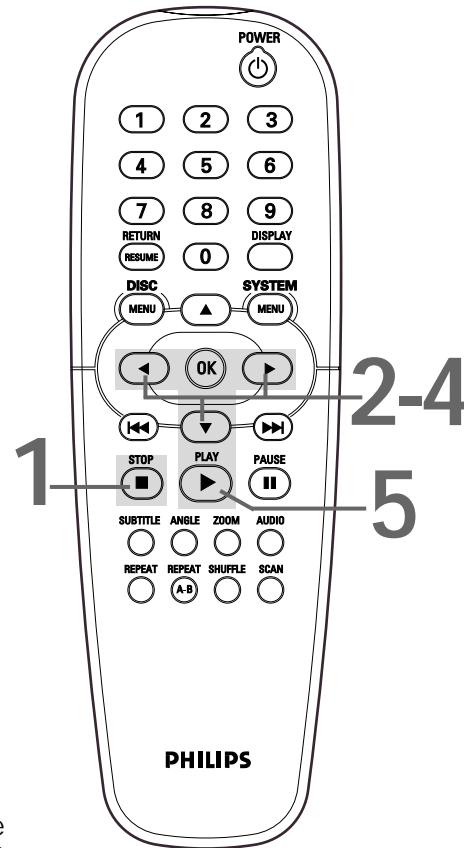
4

To erase a Track from the Program, press the ▼ button to select Program, then press the ► and ◀ buttons to select a Track number, then press the **OK** button.

The Track number will disappear from the Program.

5

To play the Program, press the **PLAY** ► button. FTS will be On automatically.



Helpful Hint

- You also can select Track numbers using the Number buttons at step 3.

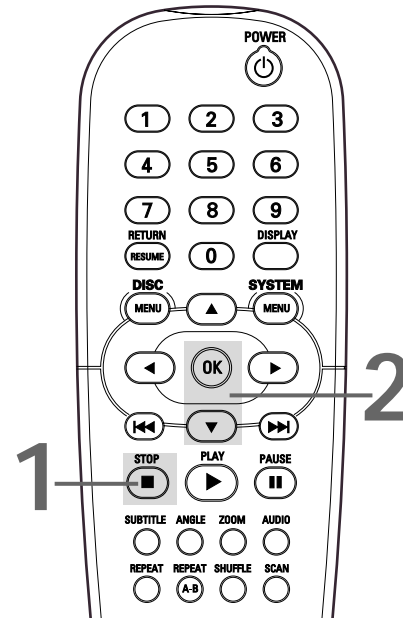
Erasing a Program

1

Press the **STOP** ■ button to stop Disc playback if necessary.

2

Press the ▼ button repeatedly to select **CLEAR ALL**, then press the **OK** button. This erases the Program for the current Disc and sets FTS to Off.



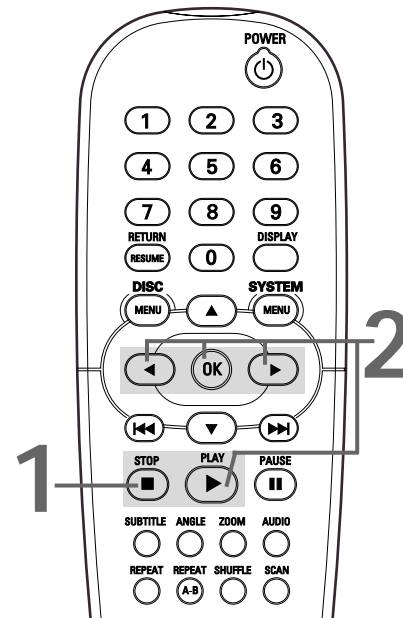
Turning FTS On or Off

1

Press the **STOP** ■ button to stop Disc playback if necessary.

2

FTS is selected. Press the ► or ◀ buttons to choose **On** or **Off**, then press the **OK** button. If you choose **On**, press the **PLAY** ► button to begin playing the Program. If you choose **Off**, the Tracks will play in normal order when you begin playback.



40 MP3 Playback

MP3 is a compression technology. MP3 compresses large digital music files, making them up to 10 times smaller without losing significant sound quality. MP3 has become a standard audio compression format on the world wide web, allowing quick and easy transfer of audio or music files on the Internet. As a file storage solution, it allows you to store tracks on your computer's hard disk without using too much space. You can then transfer your Tracks from your computer onto a CD Recordable or CD Rewritable disc, then play that Disc on this DVD Player.

Tracks that are compressed or recorded with MP3 technology will have a computer file name that ends in .mp3.

You may either purchase MP3 recordings (digital) or record your own MP3 music (analog) using your personal computer. (You will need MP3 recording software. Materials and equipment with which to make MP3 recordings are not supplied with this DVD Player. Check with your retailer for details about MP3, or visit the Philips web site at www.philips.com.)

This chart compares the sound quality of MP3 recordings based on the speed, or bit rate, at which they were recorded. Keep these characteristics in mind when making Discs that you intend to play on the DVD Player.

Comparable Sound Quality	Bit Rate	Compression Ratio	Approximate playing time	Comments
AM radio	32 kbps	40 : 1	40 hrs	Slow Bit Rates let you compress more and use less space, but sound quality is significantly affected.
FM radio	64 kbps	20 : 1	20 hrs	
Near-CD	96 kbps	15 : 1	15 hrs	The Bit Rates and used space are acceptable. The sound quality is good.
CD-like	128 kbps	10 : 1	10 hrs	
CD	256 kbps	5 : 1	5 hrs	Fast Bit Rates provide quality recordings, but use a lot of disc space.
CD	320 kbps	3 : 1	3 hrs	

This DVD Player supports the following characteristics of MP3 files:

- Names of Albums, Artists, etc., on an MP3 file with a maximum of 30 characters.
- Maximum nested directory is eight levels.
- The maximum ALB number is 32.
- VBR bit-rate
- Sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
- Bit-rates: 32, 64, 96, 128, 192, 256 (kbps)

The following characteristics are not supported:

- File names ending in .wma, .aac, .dlf, *.m3u, and .pls
- Chinese file names
- Non-session closed discs
- Discs recorded in UDF format

Additional notes for MP3 playback:

- If you are playing analog MP3 files (that you recorded yourself), connect the DVD Player to your Stereo Receiver using the red and white AUDIO OUT jacks. *Details are on page 13.*
- If you are playing digital MP3 files, connect the DVD Player to your sound equipment using the DIGITAL AUDIO OUT jacks (Coaxial or Optical). *Details are on page 14.*
- It may take the DVD Player 10 seconds or more to read MP3 files when you first insert the Disc.
- The DVD Player only supports the first session of multisession discs.
- MP3 files may skip occasionally during playback. This is normal.

MP3 Playback (cont'd) 41

Playing an Album or Title

To view or select the next or previous Album or Title on an MP3 formatted disc, follow these steps.

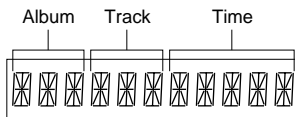
1

Press the ▲ ▼ buttons to scroll through the Albums.

2

Press the ◀ ▶ buttons to scroll through the Tracks.

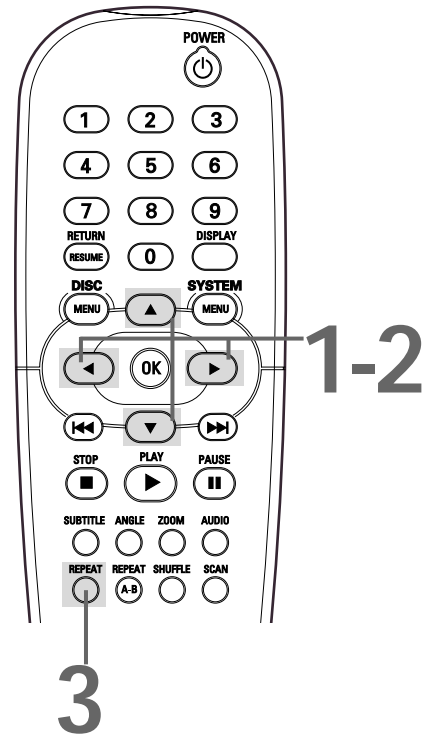
The following is an example of the display that will appear.



3

To play a Track, Album, or the entire Disc repeatedly, press the REPEAT button repeatedly.

- Press the REPEAT button once to play a Track repeatedly. REPEAT TRK will appear on the DVD Player's display panel.
- Press the REPEAT button again to play an Album repeatedly. REPEAT ALBM will appear on the DVD Player's display panel.
- Press the REPEAT button again to play an entire MP3 disc repeatedly. REPEAT DISC will appear on the DVD Player's display panel.
- Press the REPEAT button again to cancel repeat playback and resume regular playback.



Helpful Hints

- When playback is stopped, press the Number buttons to directly choose an Album. During playback, press the Number buttons to choose a Track.
- Only the following options are available for MP3 discs: Stop, Play, Pause, Skip Next/Previous, and Repeat Track/Album/Disc.

42 TV Shape

1

Press SYSTEM MENU.  will be selected.

2

Press the ▼ button to select , then press the ► button.

3

TV shape will be selected. Press the ► button.

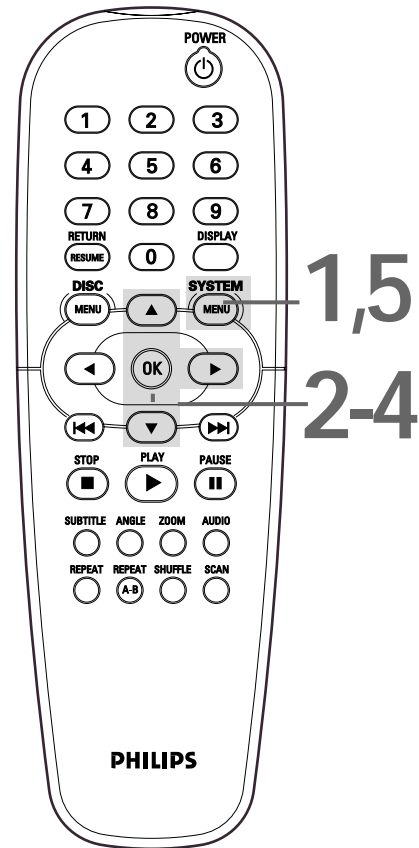
4

Press the ▲ ▼ buttons to select 4:3 letterbox, 4:3 panscan, or 16:9, then press the OK button.

- Select 16:9 if you have a widescreen TV.
- Select 4:3 letterbox if you have a regular TV and want to see the picture with black bars at the top and bottom of the screen. This looks like the picture you see when watching movies in a theater.
- Select 4:3 panscan if you have a regular TV and want both sides of the picture to be trimmed, or formatted to fit your TV screen.

5

Press the SYSTEM MENU button to remove the menus.



Helpful Hint

- The format you selected must be available on the Disc. If it is not, the settings for TV Shape will not affect the picture during Disc playback.

Video Shift 43

The factory sets the DVD Player so the picture will be centered on your TV screen. Use this setting to personalize the position of the picture on your TV by moving it to the left or right.

1

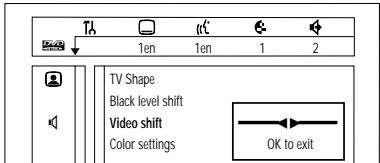
Press **SYSTEM MENU**.  will be selected.

2

Press **▼** to select , then press **▶**.

3

Press **▼** repeatedly to select **Video shift**, then press **▶**.



4

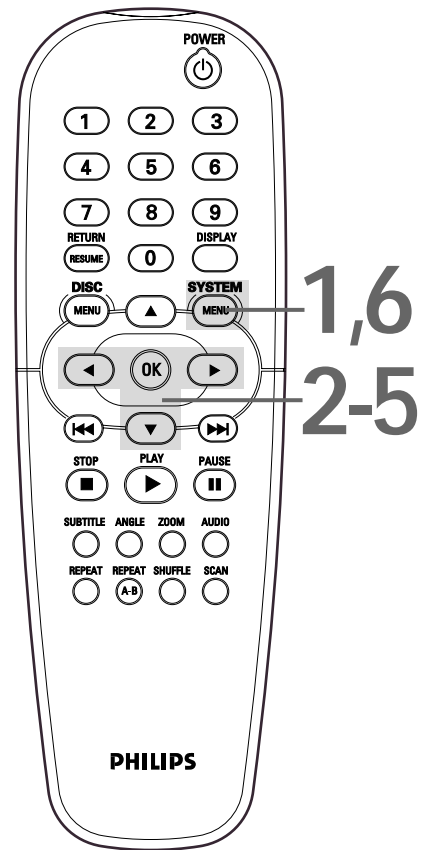
Press **◀** or **▶** to center the picture on your TV screen (or "shift" the "video").

5

When you are satisfied with the adjustments, press **OK**.

6

Press **SYSTEM MENU** to remove the menus.



44 Color Settings (Smart Picture)

You can select one of four predefined sets of color settings or define your own Personal color settings. This feature is a lot like adjusting Brightness, Contrast, etc., on your TV. However, these settings affect the picture sent by the DVD Player to the TV.



1

Press **SYSTEM MENU**.  will be selected.



2

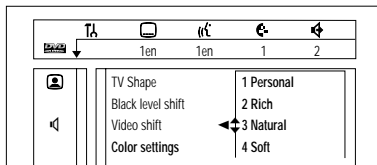
Press  to select , then press .

3

Press  repeatedly to select Color settings, then press .

4

Press  or  to choose **Personal, Rich, Natural, Soft, or Animation**, then press the **OK** button. You may want to play a Disc for a few minutes in each setting to decide which you prefer.




5

If you selected **Personal**, go to step 6.
If you selected **Rich, Natural, Soft, or Animation**, you are finished. Press **SYSTEM MENU** to remove the menus.




6

Press  to select **Personal Color**, then press .

7

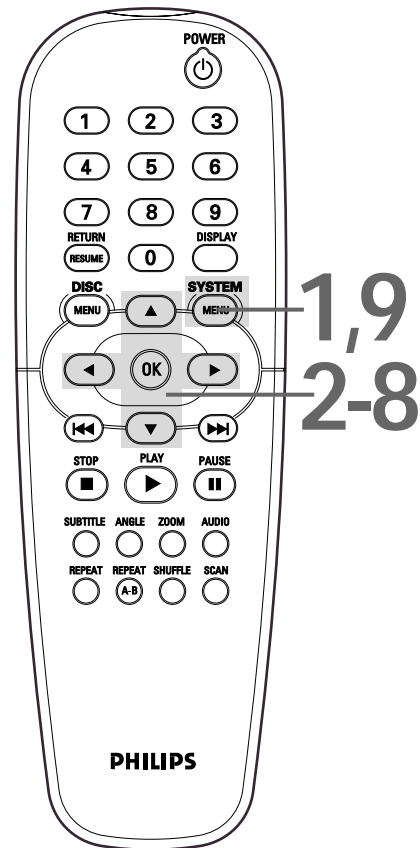
Press   to select **Saturation, Brightness, or Contrast**. Then press .

8

Press   to increase or decrease each setting. Press  to go back and select a different item (Saturation, Brightness, or Contrast). Repeat steps 7-8 as necessary for each item.

9

When you are finished, press **SYSTEM MENU** to remove the menus.




Digital Output 45

After connecting the DVD Player to your TV and other equipment, you may need to change the DVD Player's Digital Output setting. Look to see which DVD Player audio jacks you connected to your other equipment, then set your Digital Output accordingly. The information in step 4 will help you make your choice.

1

Press **SYSTEM MENU**.  will be selected.

2

Press **▼** repeatedly to select , then press **▶**.

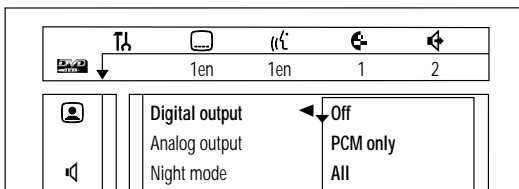
3

Digital output will be selected. Press the **▶** button.

4

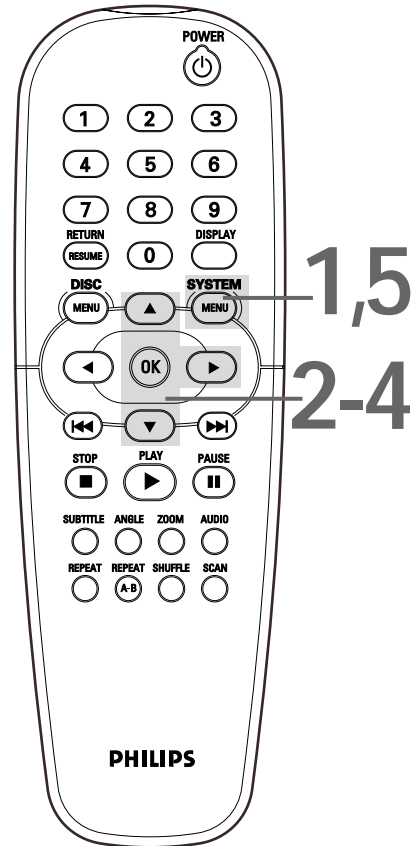
Press **▲** or **▼** to select **Off**, **PCM only**, or **All**, then press the **OK** button.

- Select **All** if you used the **COAXIAL** (Digital Audio Out) jack to connect the DVD Player to Stereo Receiver that has a Multi-channel Decoder. *Details are on page 14.* All is the preset factory setting.
- Select **Off** if you did not use either of the **COAXIAL** or **OPT OUT** (Digital Audio Out) jacks. For example, if you used the supplied red and white audio cables to connect the **AUDIO OUT** jacks of the DVD Player to a TV or Stereo, select **Off**.
- Select **PCM only** if you used the **COAXIAL** or **OPT OUT** (Digital Audio Out) jacks of the DVD Player for connections, but the audio equipment does not include a digital multi-channel Decoder.



5

Press the **SYSTEM MENU** button to remove the menus.



46 Sound (Analog Output)




If you used the red and white AUDIO OUT jacks on the back of the DVD Player to connect to a Stereo Receiver, you need to choose a setting for Analog Output. First, make sure you used the red and white jacks, not the COAXIAL or OPT OUT Digital Audio Out jacks.

Then, check your Stereo Receiver and see if it is compatible with Dolby Surround or TruSurround. Then follow the steps below to choose the Analog Output setting that is most compatible with your audio equipment.

1

Press **SYSTEM MENU**.  will be selected.

2

Press  repeatedly to select , then press .

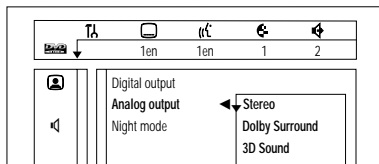
3

Press  to select **Analog output**, then press .

4

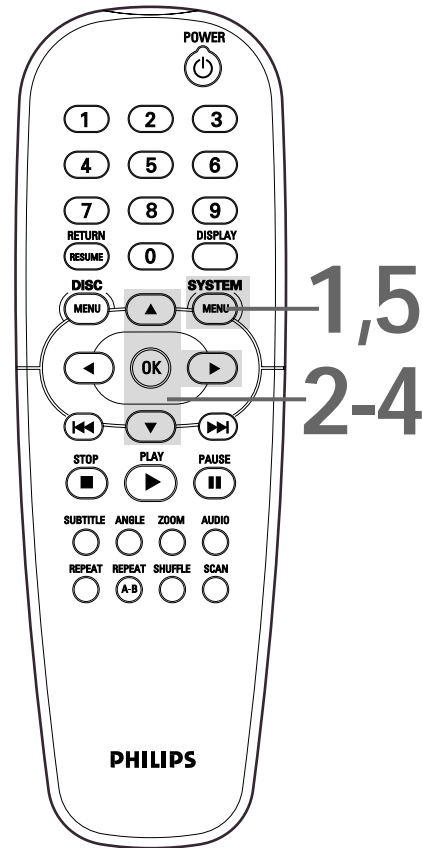
Press  or  to select **Stereo**, **Dolby Surround**, or **3D sound**, then press the **OK** button.

- Select **Stereo** if your audio equipment is not compatible with either **Dolby Surround** or **TruSurround**.
- Select **Dolby Surround** if your audio equipment is compatible with **Dolby Surround**. If it is, usually a **Dolby Surround** logo will appear on the equipment.
- Select **3D Sound** if the audio equipment is **TruSurround** compatible. Again, the audio equipment likely will be labelled with the **TruSurround** logo.



5

Press **SYSTEM MENU** to remove the menus.



Subwoofer Cut-off, Night Mode 47

Subwoofer Cut-off

The frequency of the subwoofer output can be set to High (200Hz) or Low (100Hz) to match your system's playback sound quality.

1

Press SYSTEM MENU. \uparrow will be selected.

2

Press \blacktriangledown repeatedly to select M , then press \blacktriangleright .

3

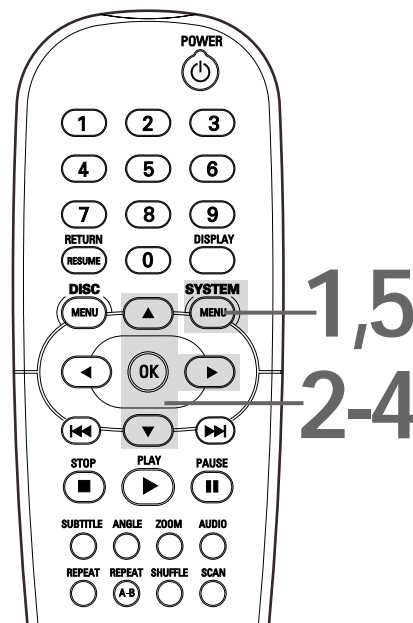
Press \blacktriangledown repeatedly to select Sub-woofer Cut-off, then press \blacktriangleright .

4

Press \blacktriangle or \blacktriangledown to select High or Low, then press OK.

5

Press SYSTEM MENU to remove the menus.



Night Mode

Turn on Night Mode to optimize the dynamics of the sound during low volume playback.

1

Press SYSTEM MENU. \uparrow will be selected.

2

Press \blacktriangledown repeatedly to select M , then press \blacktriangleright .

3

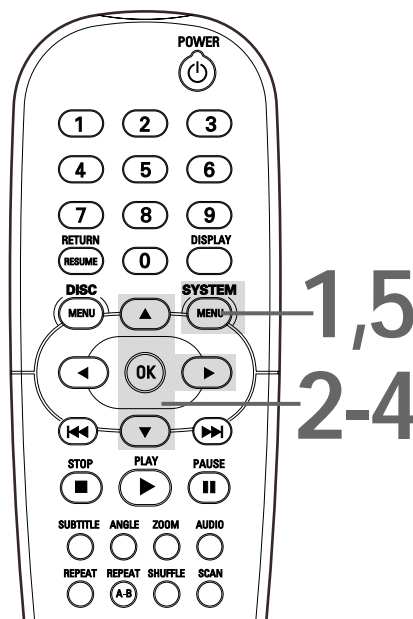
Press \blacktriangledown repeatedly to select Night mode, then press \blacktriangleright .

4

Press \blacktriangle or \blacktriangledown to select On or Off, then press OK.

5

Press SYSTEM MENU to remove the menus.



48 Karaoke Vocal, Language

DVD




Karaoke Vocal

Set Karaoke Vocal to On only when you are playing a multi-channel karaoke DVD. The karaoke channels on the Disc will be mixed into a normal stereo sound.

1

Press SYSTEM MENU.  will be selected.

2

Press  repeatedly to select , then press .

3

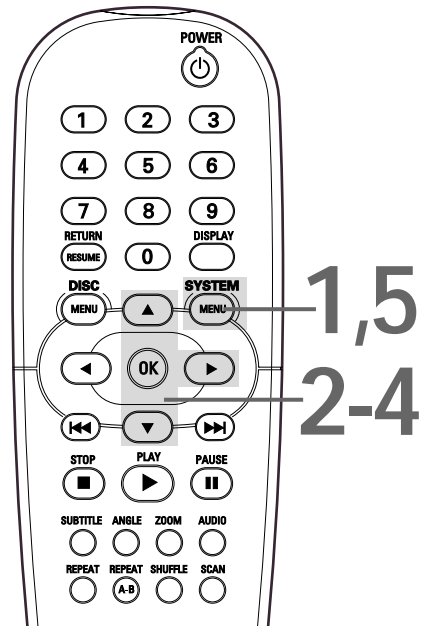
Press  repeatedly to select Karaoke vocal, then press .

4

Press  or  to select On or Off, then press OK.

5

Press SYSTEM MENU to remove the menus.



DVD




Language

Select a different language for the Disc Menu, Audio soundtrack, or Subtitles if multiple languages are available on the Disc.

1

Press SYSTEM MENU.  will be selected.



2

Press  repeatedly to select , then press .

3

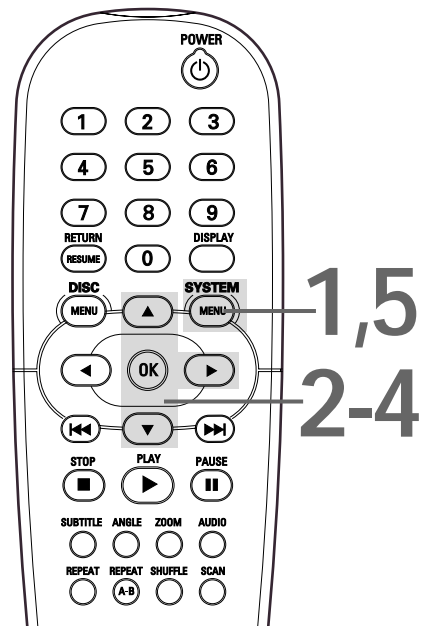
Press  or  to select Audio Language, Subtitle, or Menu, then press the  button.

4

Press  or  to select the language you want from the available languages, then press the OK button. The changes will be effective only if the language is available on the Disc.

5

Press SYSTEM MENU to remove the menus.



Bit Rate Indicator, Help Text 49

DVD

Bit Rate Indicator

The Bit Rate Indicator shows the bit rate for video and audio, as well as the total bit rate. This is available during playback of DVDs and Super Video CDs.

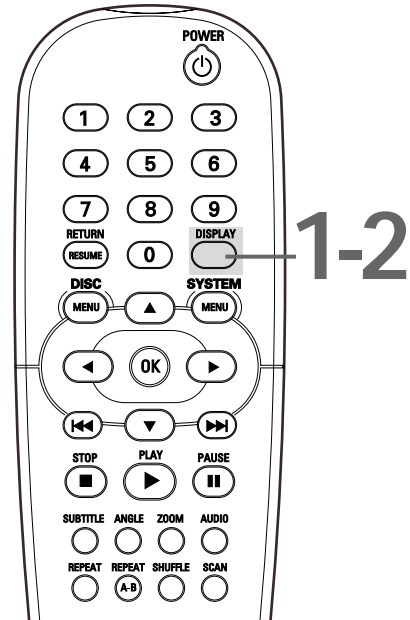
1

To see the Bit Rate Indicator, press the DISPLAY button once during Disc playback.

aud	vid	tot
████████	████████	████████
████████	████████	████████
████████	████████	████████
████████	████████	████████
████████	████████	████████
████████	████████	████████
████████	████████	████████
████████	████████	████████
0-1	0-10	0-10
mbits/s		

2

To remove the Bit Rate Indicator, press the DISPLAY button again.






Help Text

Set Help text to On if you want a description of on-screen icons.

1

Press SYSTEM MENU.  will be selected.

2

Press  repeatedly to select , then press .

3

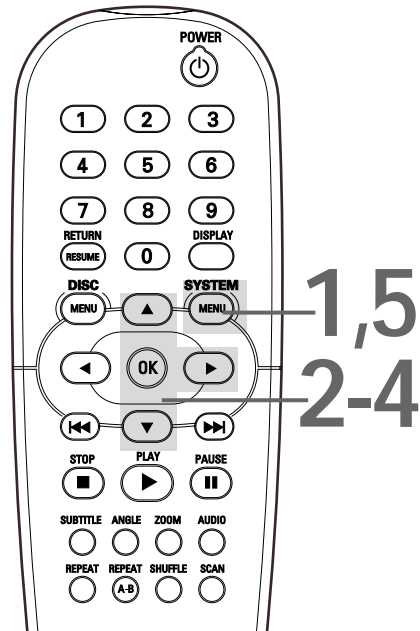
Press  repeatedly to select Help text, then press .

4

Press  or  to choose On or Off, then press OK.

5

Press SYSTEM MENU to remove the menus.



50 Helpful Hints

If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.

If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is on the back of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representatives will be happy to assist you.

No power

- Press the POWER ON/OFF button on the front of the DVD Player to turn on the DVD Player.
- Make sure you connected the power cord to an AC power outlet.
- Make sure the AC outlet has power by plugging in another appliance.

No picture

- Make sure the TV power is on.
- Check the video cables. Make sure the cable(s) are fastened securely to the DVD Player and to the TV.
- Set your TV to the correct Video In channel. These channels are usually near channel 00. Or, you may have a button on the TV remote control that selects an Auxiliary or A/V IN channel. See your TV owner's manual for details. Or, just change channels at the TV until you see the DVD logo on the TV screen.

Distorted picture

- Check the Disc for fingerprints. Clean the Disc with a soft cloth, wiping from the center to the edge in a straight line.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.

The picture is distorted or the picture is only black and white during DVD or Video CD playback.

- TVs are produced to meet NTSC or PAL color system standards. If the Disc's or DVD Player's color system is different than your TV's color system, the picture will be distorted or colorless.

However, you can change the color system of the DVD Player by adjusting the TV System setting. In the United States, NTSC is the most common TV color system. Choose NTSC, PAL, or Auto, depending on your TV. *Details are on pages 7 and 15.*

No sound

- Check the audio connections. *Details are on pages 9-14.* Remember, you only need one audio connection.
- Make sure cables are connected firmly to all equipment.
- Select another sound source or Auxiliary station at your Stereo Receiver. See your Stereo Receiver's manual for details. Or, just continue selecting the different sound sources or modes on the Stereo Receiver until you hear sound from the Disc that is in the DVD Player. *Details are on pages 9-14.*
- Check your Analog output settings or Digital output settings. Make sure you choose the right setting, based on what equipment you connected to the DVD Player. *Details are on pages 10-14 and 45-46.*
- Make sure your Analog output settings or Digital output settings match the capabilities of your Stereo Receiver. *Details are on pages 45-46.*

Helpful Hints (cont'd) 51

The sound is distorted during Disc playback through a Stereo.

- Make sure you did not connect any cables from the DVD Player to the Amplifier's "Phono IN" jack.

Disc will not play.

- Make sure the Disc label is facing up. If you are playing a two-sided Disc, make sure the side you want to play is facing up. *Details are on page 16.*
- Check the Access Control settings for the Disc. *Details are on pages 30-34.*
- Check the NTSC/PAL settings of the Disc and the DVD Player. *Details are on page 15.*
- Check the Region Code of the Disc. The Disc must be coded for All regions or Region 1 in order to play on this DVD Player. *Details are on page 7.*
- See if the Disc is defective by trying another Disc. Make sure the Disc is not scratched or warped. Carefully clean the Disc. *Details are on page 8.*
- Use a commonly available cleaning CD/DVD to clean the lens of the DVD Player.

The DVD logo does not appear on the TV screen after you remove a Disc.

- Reset the DVD Player by switching it off, then on again.

The DVD Player does not respond to the remote control.

- Aim the remote control directly at the sensor on the front of the DVD Player. *Details are on page 20.*
- Remove any obstacles between the DVD Player and the remote control.
- Inspect or replace the batteries in the remote control.

The buttons on the DVD Player or remote control do not work.

- To reset the DVD Player completely, disconnect the AC power cord from the AC outlet for several minutes. Then reconnect the DVD Player to power again.

The DVD Player will not select some features, such as Angles, Subtitles, or multi-language Audio.

- The feature may not be available on the Disc. If it is not, an "X" will appear on the TV screen. Check the Disc case to see if the Disc has the feature. If the Disc does not have the feature, the DVD Player can not create the feature. This is not a malfunction of the DVD Player.

The still picture is dim or dark.

- A still picture will dim or darken if you leave it on the screen for more than five minutes. This dimming prevents the still image from etching itself into your TV picture tube or screen. To protect your TV, avoid leaving a still image on the screen. This includes video games, station identification logos, etc.

52 Glossary

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. Analog sound is available when you use the red and white audio jacks on your equipment. These jacks send audio through two channels, the left and right.

AUDIO OUT Jacks: Jacks on the back of the DVD Player that send audio to another system (TV, Stereo Receiver, etc.).

Bit Rate: The amount of data used to hold a given length of music; measured in kilobits per seconds, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a disc.

For example, an MP3 music file recorded at 32 kbps will record slowly, use the least Disc space, and have the poorest sound quality. But, an MP3 music file recorded at 96 kbps will record quicker, use more Disc space, and have significantly better sound quality.

CD: Compact Disc (audio).

Coaxial jack: Sends digital audio to a Stereo Receiver, allowing you to adjust the volume at the Receiver. The Receiver must have a coaxial in jack. This connection provides the 5.1 channel surround sound as heard in movie theaters.

Component Video Out Jacks: Jacks on the back of the DVD Player that send high-quality video to a TV that has Component Video In jacks.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the Coaxial or Optical Digital Audio jacks on your equipment. These jacks send audio through multiple channels, instead of just two channels as analog does.

Dolby Digital: A surround sound system that provides 5.1 channel sound as used in movie theaters.

DTS: Digital Theater Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

DVD: Digital Video Disc.

Letterbox: A TV aspect ratio setting (4:3). Displays the video in full-width, with black bars at the top and bottom of the TV screen. This format is similar to seeing a movie in a theater. If the Disc does not include a letterbox format, selecting Letterbox may have no effect. (For example, some DVD discs are two-sided, with one side playing in Letterbox and the other side playing in a normal format.)

Optical Jack: Converts electrical signals into optical signals before sending the audio to the Stereo Receiver. Optical audio is not prone to external electrical influences and has less noise, which reduces adverse effects on external equipment. Be sure to keep the protective cap on the jack when the jack is not in use. This keeps dust out of the jack.

Pan & Scan: A TV aspect ratio setting (4:3). Displays the video with full-height picture, with one or both sides of the picture trimmed. Some movie companies refer to this as "reformatting the picture to fit your TV screen."

Remote Control: The unit that came with your DVD Player and allows you to operate your DVD Player from a distance.

S-Video: Produces a clearer picture by sending separate signals for the luminance and the color. If you connect an optional S-Video cable, you will not need to use the supplied yellow video cable. You can use S-Video only if your TV has an S-Video In jack.

VIDEO OUT Jack: Jack on the back of the DVD Player that sends video to a TV.

Widescreen: A TV aspect ratio setting (16:9). Displays the video appropriately when you connect the DVD Player to a widescreen TV.

Specifications 53

OPTICAL READOUT SYSTEM

Laser type Semiconductor AlGaAs
Numerical Aperture 0.60 (DVD)/0.45 (VCD/CD)
Wavelength 650 nm (DVD)/780 nm (VCD/CD)

VIDEO FORMAT

DA Converter 10 bits
Signal handling Components
Digital Compression MPEG2 (DVD)/MPEG1 (VCD)

TV STANDARD (PAL/50Hz) (NTSC/60Hz)

Number of lines 625 525
Playback Multistandard (PAL/NTSC)

DVD (PAL/50Hz) (NTSC/60Hz)

Horizontal Resolution 720 pixels 720 pixels
Vertical Resolution 576 lines 480 lines

Video CD (PAL/50Hz) (NTSC/60Hz)

Horizontal Resolution 352 pixels 352 pixels
Vertical Resolution 288 lines 240 lines

VIDEO PERFORMANCE

Video out 1 Vpp to 75 ohm
S-Video out Y: 1 Vpp to 75 ohm
C: 0.3 Vpp to 75 ohm
Component video out Y: 1 Vpp to 75 ohm
Cb Cr: 0.7 Vpp to 75 ohm
Black Level Shift On/Off
Video Shift Left/Right

AUDIO FORMAT

Digital MPEG Compressed Digital
DTS/Dolby Digital
PCM 16, 20, 24 bits
fs, 44.1, 48, 96 kHz

Analog Sound Stereo
Dolby Pro Logic downmix from Dolby Digital
multi-channel sound
3D Sound (TruSurround) for virtual 5.1 channel
sound on two speakers

AUDIO PERFORMANCE

DA Converter 24 bits
DVD fs 96 kHz 4 Hz - 44 kHz
fs 48 kHz 4 Hz - 22 kHz
Video CD fs 44.1 kHz 4 Hz - 20 kHz
Audio CD fs 44.1 kHz 4 Hz - 20 kHz
Signal-Noise (1kHz) 100 dB
Dynamic Range (1kHz) 97 dB
Crosstalk (1kHz) 110 dB
Distortion and Noise (1kHz) 88 dB
MPEG MP3 MPEG Audio L3

CONNECTIONS

Y Output Cinch (green)
Pb/Cb Out Cinch (blue)
Pr/Cr Out Cinch (red)
S-Video Out Mini DIN, four pins
Video Out Cinch (yellow)
Audio left/right out Cinch (white/red)
Subwoofer out Cinch (black)
Digital Out 1 coaxial, 1 optical
IEC958 for CDDA / LPCM
IEC1937 for MPEG1/2, Dolby
Digital and DTS

CABINET

Dimensions (w x h x d) 17.12 x 3.62 x 12.60 inches
435 x 92 x 320 mm
Weight: Approximately 8.8 pounds/4 Kg

POWER SUPPLY

120 V/60 Hz

POWER CONSUMPTION

20W (standby <5W)

* typical playing time for movie with 2 spoken languages and 3 subtitle languages
Specifications are subject to change without notice.

54 Limited Warranty

Digital Video Disc Player

90 days Free Exchange / 91 days–One Year Reduced-Cost Exchange

WHO IS COVERED?

You must have proof of the date of purchase to exchange your product. A sales receipt or other document showing the date that you purchased the product is considered such proof.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For 90 days thereafter, you may exchange the defective product for a new or renewed product at the store from which it was purchased or through Philips. Either exchange is made at no cost to you.

From 91 days to one year from the date of purchase, you will pay a preset exchange fee to obtain a new or renewed product. Follow the exchange procedures on the next page. This exchange opportunity ends one year after the date of purchase. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- shipping charges to return defective product.
- 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 improper installation, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics.
- 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 EXCHANGE AVAILABLE?

Warranty exchange 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 exchange the product, although there may be a delay if the appropriate product is not readily available.

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document

showing proof of date of purchase. Attach it to the owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE EXCHANGING THE PRODUCT...

Please check your owner's manual before exchanging the product. Adjustments of the controls discussed there may save you time and money.

LIMITATION OF LIABILITY AND REMEDY...

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.

To the extent permitted by local law, the remedies provided in this warranty statement are your sole and exclusive remedy.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state/province to state/province.

TO EXCHANGE YOUR PRODUCT IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Follow the instructions stated previously in the "What is Covered" section, or refer to the exchange instructions on the next page.

In the U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including the implied warranties of non-infringement, merchantability and fitness for a particular purpose, are specifically disclaimed, and to the extent inconsistent with law of the locality of the user, 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 EXCHANGE A PRODUCT 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. There are no other warranties, express or implied, including any implied warranties of merchantability or fitness for a particular purpose.

TO GET OUT-OF-WARRANTY EXCHANGE...

In the U.S.A., Puerto Rico, or U.S. Virgin Islands, contact Philips Service Solutions Group at 1-800-531-0039 to obtain the cost of out-of-warranty exchange.

REMEMBER...

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

MODEL # _____

SERIAL # _____

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

EL6478E001 /2-01

Limited Warranty (cont'd) 55

EXCHANGE INSTRUCTIONS

If your product is defective, you may be able to exchange it at the store from which it was purchased. Most stores display a Return Policy. If not, ask the manager or sales associate how many days you have to exchange a product with them. After the store's return period has expired, or if the store does not have an exchange program, you may exchange the product with Philips if you have your original sales receipt.

To exchange your product with Philips (per the warranty conditions stated previously), remember:

- If you exchange the product within 90 days of the original purchase, there is no cost to you.
- If you exchange the product more than 90 days after but less than one year after the day of original purchase, contact Philips Service Solutions Group (PSSG) at 1-800-531-0039 to determine the preset cost for exchange.
- After 12 months from the day of original purchase, contact PSSG at 1-800-531-0039 for information regarding out-of-warranty exchange.
- If you do not have your original sales receipt, or if you have any questions, call PSSG at 1-800-531-0039.

To obtain a replacement product from Philips:

1. Contact PSSG at 1-800-531-0039 to determine the cost for exchange.
2. Complete the Exchange Form below.
3. Pack the product and its accessories in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. For packing details, call 1-800-531-0039.
4. Put the completed Exchange Form, a copy of the original sales receipt, and the proper payment amount into an envelope. DO NOT SEND CASH. Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope in the box with the product.
5. Seal the box with packing tape and return the product via United Parcel Service (UPS), insured and freight prepaid, to:

Philips Recovery Center
Rojas 6
12420 Mercantile Avenue
El Paso, TX 79928
ATTENTION: DVD PLAYER EXCHANGE

A replacement will be sent to you via UPS within 48 business hours of Philips' receipt of the product.

EXCHANGE FORM

Your Address (street address to which replacement should be delivered, no P.O. boxes allowed):

Name: _____

Street Address: _____

Apt. #: _____

City: _____

State/Province: _____

Zip Code/Postal Code: _____

Phone (day): _____

Phone (night): _____

Exchange Fee: _____ **+ Sales Tax:** _____ **= Total:** _____

Method of Payment: (Check one. Please, no cash or CODs.)

_____ Check/Money order Check/Money order No. _____

	Account number	Expiration date
_____ American Express	_____	_____
_____ Visa	_____	_____
_____ Novus/Discover	_____	_____
_____ Mastercard	_____	_____

Signature: _____

Detailed reason for return, use additional paper if necessary: _____

Model Number _____ Serial Number _____

Remember, the return box should include the following:

- The product,
- Completed Exchange Form and sales receipt,
- Accessories supplied with the product, and
- Payment, if applicable.

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