Digital Video Disc and Super Audio CD Player Owner's Manual

DVD765SA

Important! Return your Warranty Registration Card within 10 days. See why inside.

STOP!

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. 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.

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

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 Model No. and Serial No., which are 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.

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 Player or the remote control to excessive moisture, rain, humidity, sand, or heat sources.
- Place the Player on a firm, flat surface.
- Keep the Player away from domestic heating equipment and direct sunlight.
- If you put the Player in a cabinet, allow about one inch of space around the Player for ventilation.
- Do not spill water or put anything that is wet on the remote control.
- Do not drop the remote control.
- Batteries contain chemical substances; dispose of them properly and keep them away from children.

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: DVD765SA
Trade Name: Philips
Responsible Party: Philips Consumer Electronics North America
P.O. Box 14810, Knoxville, TN 37914-1810
(865) 521-4316

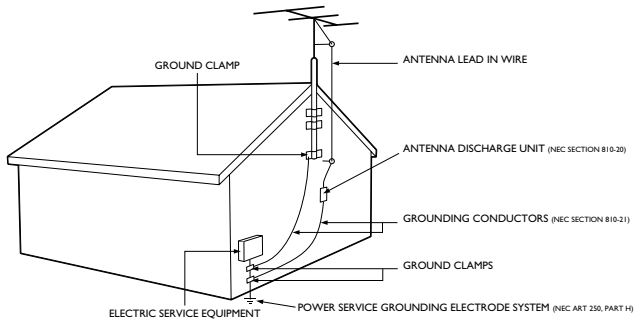
IMPORTANT SAFETY INSTRUCTIONS.
READ BEFORE OPERATING EQUIPMENT.

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.
22. **Battery usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage or damage to the unit:
    • Install all batteries correctly, with + and - aligned as marked on the unit.
    • Do not mix batteries (old and new or carbon and alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.

Example of Antenna Grounding per NEC - National Electrical Code



04/01

6 Introduction

Welcome!

We hope you enjoy this Player and learn to appreciate its features. Read this manual carefully to learn to use the following features.

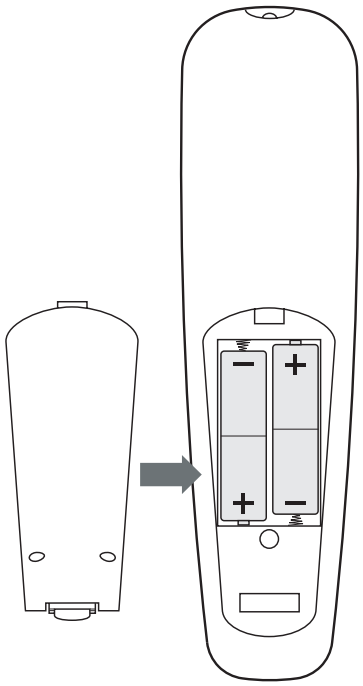
Features

- Access Control*
- Favorite Track Selection
- Forward/Reverse Search
- Language choices for Subtitles*, System Menu, and Audio*
- NTSC/PAL compatibility
- Paused/Slow/Step-by-Step Playback
- Random Playback (Shuffle)
- Repeat (A-B segment, Chapter, Title, Track, Disc)
- Smart Power-off
- Time Search
- Wake-up Timer
- Zoom Playback

* *If available on the Disc*

Package Contents

- DVD/SACD Player
- Remote control with two AA batteries
- Audio cable (red, white)
- Video cable (yellow)
- This owner's manual and registration materials



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

Always point the remote control directly at the remote sensor on the front of the Player, not the TV. *Details are on page 18.* Make sure there are no barriers between the remote control and the Player.

When referring to this manual, remember...

DVD Indicates the feature may be on some Digital Video Discs.

AUDIO CD Indicates the feature may be on some Audio Compact Discs.

VIDEO CD Indicates the feature may be on some Video Compact Discs.

SACD Indicates the feature may be on some Super Audio Compact Discs.

DVD Disc Menus

Some explanations in this manual describe the DVD Disc Menus, which vary among DVDs. DVD Disc Menus allow you to choose different playback features from those available on the DVD. If the DVD has a menu, access it by pressing DISC MENU on the remote control. *Details are on page 22.*

Player's System Menu

Some instructions explain how to use the Player's System Menu to set up features of the Player or the Disc. Access the Player's System Menu by pressing SYSTEM MENU on the remote control. *Details are on page 20.* Even if a feature is set up in the System Menu, it will not be available if the current Disc does not include that feature.

Available Disc Features

Features described in this manual may not be available on every Disc. If the feature is not on the Disc, you cannot use the Player to make the feature available. An "X" will appear in the top left corner of the TV screen if you try to access a feature that is not on the Disc.

Playable Discs

This Player will play Digital Video Discs (DVDs), Video Compact Discs (VCDs), Super Video CDs, Audio CDs, and Super Audio CDs. This Player also will play MP3 files (music tracks compressed with MPEG Audio Layer 3 technology) recorded onto a Compact Disc Recordable (CD-R) or a Compact Disc Rewritable (CD-RW).
Discs having the following logos should play on this Player. DVDs must also meet the Region Code and Color System requirements described below.

DVD

Super Video CD (SVCD)

Audio CD

CD-R

Super Audio CD (SACD)

CD-RW

Video CD (VCD)

MP3 files

Region Codes

DVDs must be labeled for **ALL regions** or for **Region 1** in order to play on this Player. You cannot 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 Player.

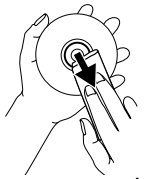
The number inside the globe refers to a region of the world. Region 1 represents the United States of America, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.
A Disc encoded in a specific region format can play only on DVD Players that have the same region code. So, if a Disc is labeled for Region 2, you cannot play that DVD on this Player (because it is a Region 1 Player).

Color Systems

Different color systems are available throughout the world. DVD makers record DVDs in a certain color system. The color system of the DVD may appear on the DVD or its case. The most common color systems are NTSC, which is used primarily in the United States, PAL, and SECAM.
This Player is compatible with both the NTSC and PAL color systems. Follow the steps on page 37 to set the Player to NTSC or PAL. Choose a setting that matches the color system of your TV and your DVDs.

Cleaning Discs and the Player

- Clean Discs with a cleaning cloth, wiping from the center out in a straight line. Do not wipe the Disc in a circular motion.



- Do not use solvents such as benzine, thinner, commercially-available cleaners, or anti-static spray intended for analog discs.
- If the Player cannot read Discs correctly, use a commonly available CD/DVD lens cleaner. 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 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 playback is possible.
- To clean the Player's cabinet, use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia, or abrasives.

Helpful Hints

- *If you are having trouble playing a certain Disc, remove the Disc and try a different one. Improperly formatted Discs will not play on this Player.*
- *This Player supports only the first session of multi-session Discs.*

8 Hookups

Determining the best possible connection...

Your existing equipment, especially your TV, will determine your connection possibilities. However, the following guidelines describe which options provide the best picture and sound quality.

★★★★★ Progressive Scan provides the best picture quality and flicker-free pictures. Your TV must be capable of accepting Progressive Scan. *Details are on page 12.*

★★★★ Component Video provides excellent picture quality. *Details are on page 11.*

★★★ S-Video provides good picture quality. *Details are on page 10.*

★★ Composite Video (a yellow Video jack) provides standard picture quality. *Details are on page 9.*

★★ **Your TV may have only an RF-style jack, usually labeled Antenna In or 75 ohm or RF In. You will need an RF modulator in order to view the Player's materials at your TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.**

★★★★ Digital audio connections provide the clearest sound, but you must have a digital stereo. Connect either the COAXIAL or OPTICAL DIGITAL AUDIO OUT jack of the Player to your Stereo for the best sound quality. *Details are on page 14.*
However, you cannot hear SACDs or MP3 files playing when you use the Digital Audio connections.

★★★ If you have a Multichannel Receiver, (which is connected to Front, Center, and Surround/Rear Speakers and a subwoofer) connect the Player's MULTICHANNEL AUDIO OUT jacks to the corresponding IN jacks on the Receiver. *Details are on page 15.*

★★★ If digital connections or multichannel connections are not possible, connect the Player's red and white (right and left) AUDIO OUT jacks to the Audio In jacks of your Stereo or TV. *Details are on pages 9-13.*
If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable than the one supplied. You need a "splitter" audio cable to go from the left/right AUDIO OUT jacks of the Player to the single Audio In jack on your TV. See an electronics retailer or contact Philips for details.

Before you begin...

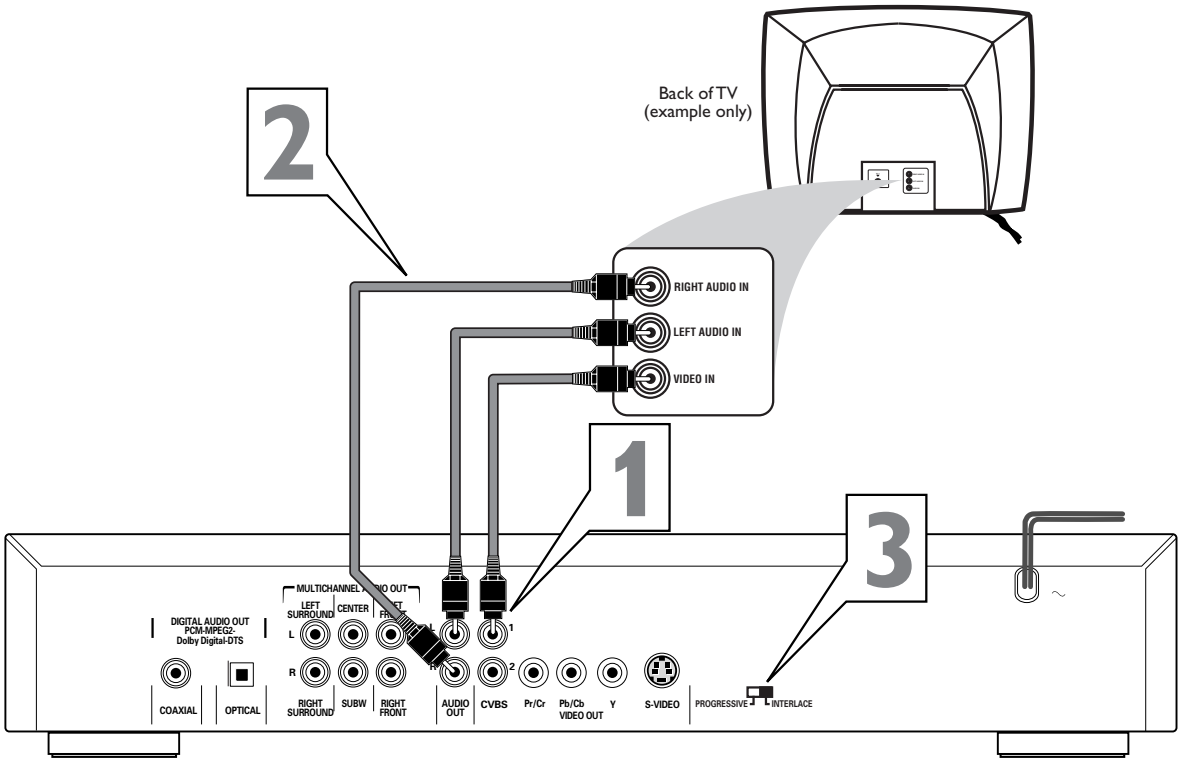
- Refer to the manuals of your TV, Stereo, Receiver, or other equipment as necessary. Note the style of jacks and connectors on the other equipment. Determine how to choose different Audio and Video In channels on your other equipment so you can see and hear the Player's materials on the TV, Stereo, etc. Some equipment may let you choose the channels using a remote control or by adjusting a TV/VIDEO/AUXILIARY switch.
- 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.

Remember...

- If you are using the Component, Composite, or S-Video connection, set the PROGRESSIVE/INTERLACE switch to INTERLACE. Otherwise, you will not have a picture.
- Connect the Player directly to the TV. For example, do not connect the Player to a VCR, then connect the VCR to a TV. This type of connection may distort the picture and sound. Also, your VCR may have a copy protection system that may distort the picture or prevent playback of some Discs.
- 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 or External In, etc. These channels are often near channel 00. Your TV or its remote control may have a Video or Auxiliary switch/button that allows you to choose the correct Video In channel. See your TV manual for details. Or, change TV channels until you see the Player's blue screen saver on the TV.
- Set the Stereo or Receiver to the correct channel or "source" mode.
- Do not connect the Player's AUDIO OUT jacks to the PHONO IN jack of your Stereo.
- You only need one audio connection and one video connection between the Player and your TV and/or Stereo or Receiver. So, you might not use all the jacks on the Player.
- Set TV System (page 37), Digital output (page 40), and/or Analog output (page 41) accordingly.
- Set the PROGRESSIVE/INTERLACE switch on the back of the Player to PROGRESSIVE when connecting the Player's Pr/Cr Pb/Cb Y (VIDEO OUT) jacks to a Progressive Scan TV.
- If you are using Progressive Scan, S-Video and Composite Video connections are not possible at the same time.

Once you determine the best option, find your choice on pages 9-15. Follow the steps for the hookup you choose.

Connecting to a TV Only
TV has a yellow Video In jack



1 **Connect the supplied yellow video cable to the Player's yellow CVBS (VIDEO OUT) jack and to the corresponding VIDEO IN jack on your TV.** There are two CVBS (VIDEO OUT) jacks in case you want to connect the Player to two separate TVs. For simply connecting the Player to a single TV, you may use either of the jacks, but you will not have to use both.

2 **Connect the supplied red and white audio cables to the Player's red and white (right and left) AUDIO OUT jacks and to the right/left AUDIO IN jacks on the TV.** Match the cable colors to the jack colors.

3 **Set the PROGRESSIVE/INTERLACE switch to INTERLACE.**

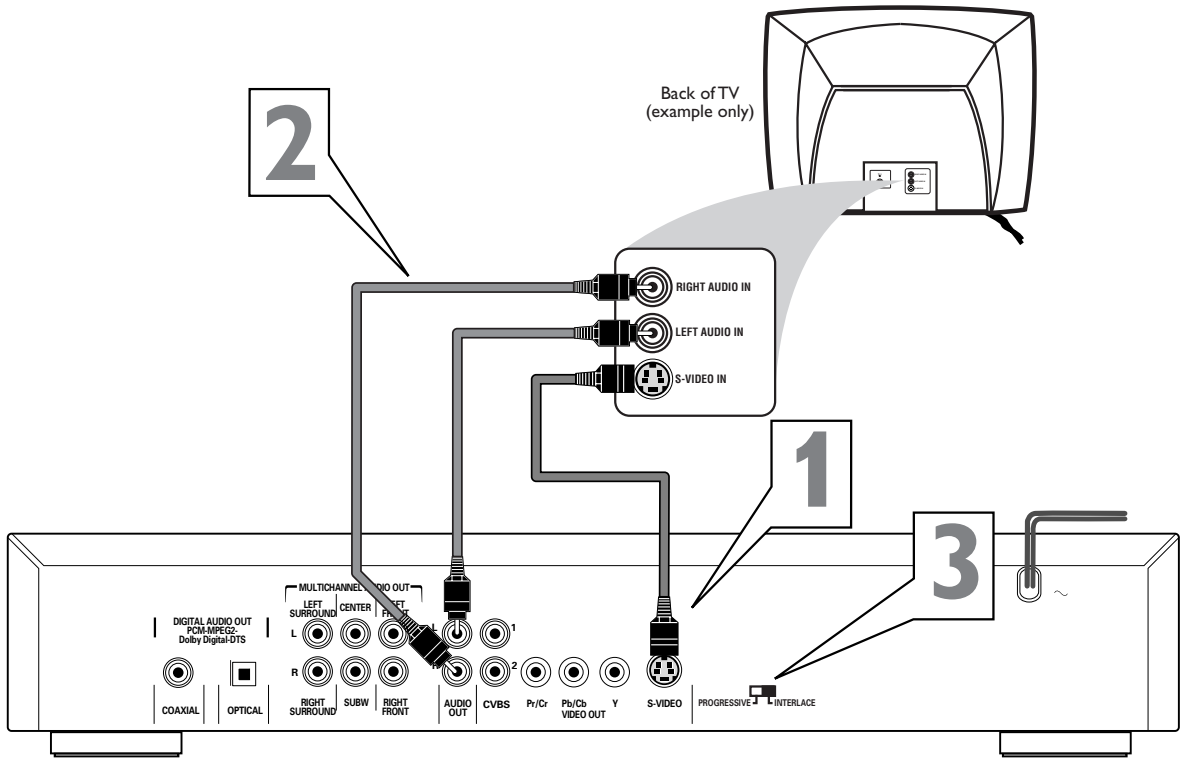
4 **Connect the power cords of the Player and the TV to a power outlet.**
Press STANDBY-ON on the front of the Player to turn on the Player. The red Standby light will disappear.

5 **Turn on the power of the TV and 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, change channels at the TV until you see the Player's blue screen saver on the TV screen.

Helpful Hint

- *On the TV, the Video In jack is usually yellow and might be labeled video, CVBS, composite, or baseband.*
- *Your TV may have an RF-style jack. RF modulator details are on page 8.*

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



1 **Connect an S-Video cable (not supplied) to the Player's S-VIDEO (VIDEO OUT) jack and to the TV's S-VIDEO IN jack.**

2 **Connect the supplied red and white audio cables to the Player's red and white (right and left) AUDIO OUT jacks and to the right/left AUDIO IN jacks on the TV.** Match the cable colors to the jack colors.

3 **Set the PROGRESSIVE/INTERLACE switch to INTERLACE.**

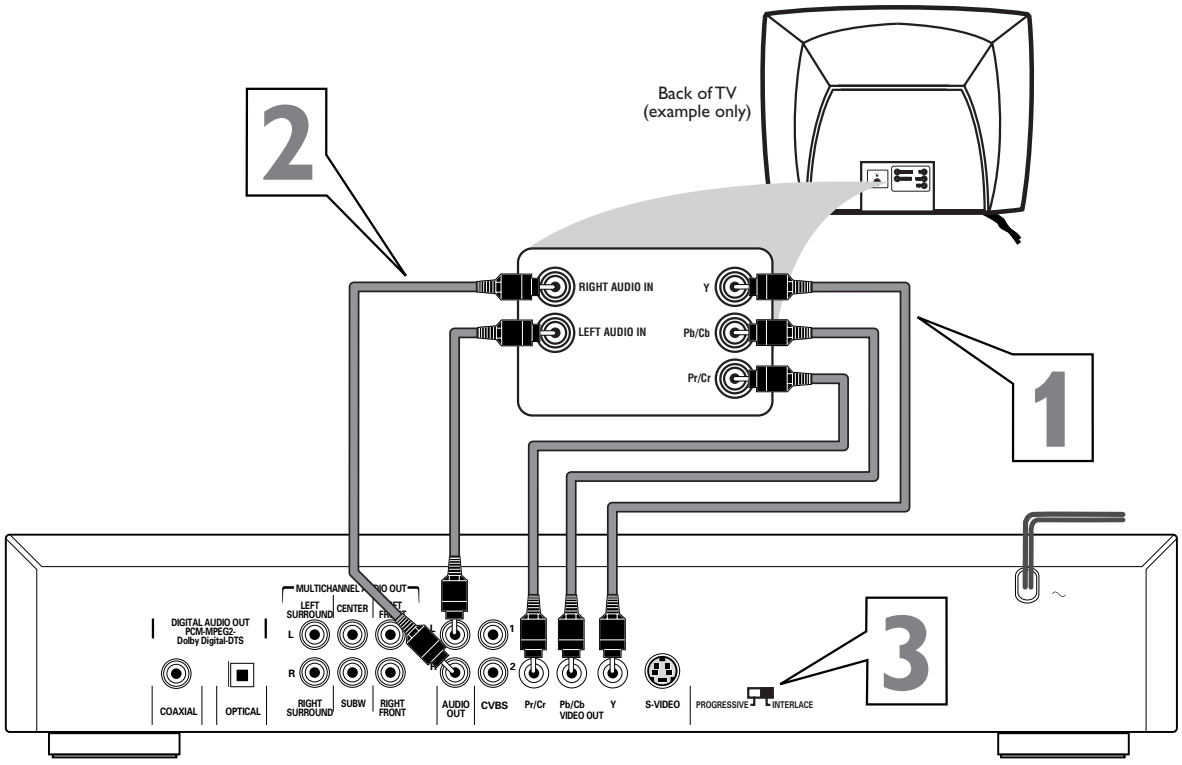
4 **Connect the power cords of the Player and the TV to a power outlet.**
Press STANDBY-ON on the Player to turn on the Player.
The red Standby light will disappear.

5 **Turn on the TV power and 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, change channels at the TV until you see the Player's blue screen saver on the TV screen.

Helpful Hint

- *On the TV, the S-Video In jack may be labeled Y/C, S-Video, or S-VHS (Super Video).*

Connecting to a TV Only
TV has Component Video In Jacks



1 **Connect the Player's Pr/Cr Pb/Cb Y (VIDEO OUT) jacks to the corresponding Pr/Cr Pb/Cb Y VIDEO IN jacks on the TV.** Use component video cable (not supplied).

2 **Connect the supplied red and white audio cables to the Player's red and white (right and left) AUDIO OUT jacks and to the right/left AUDIO IN jacks on the TV.** Match the cable colors to the jack colors.

3 **Set the PROGRESSIVE/INTERLACE switch to INTERLACE.**

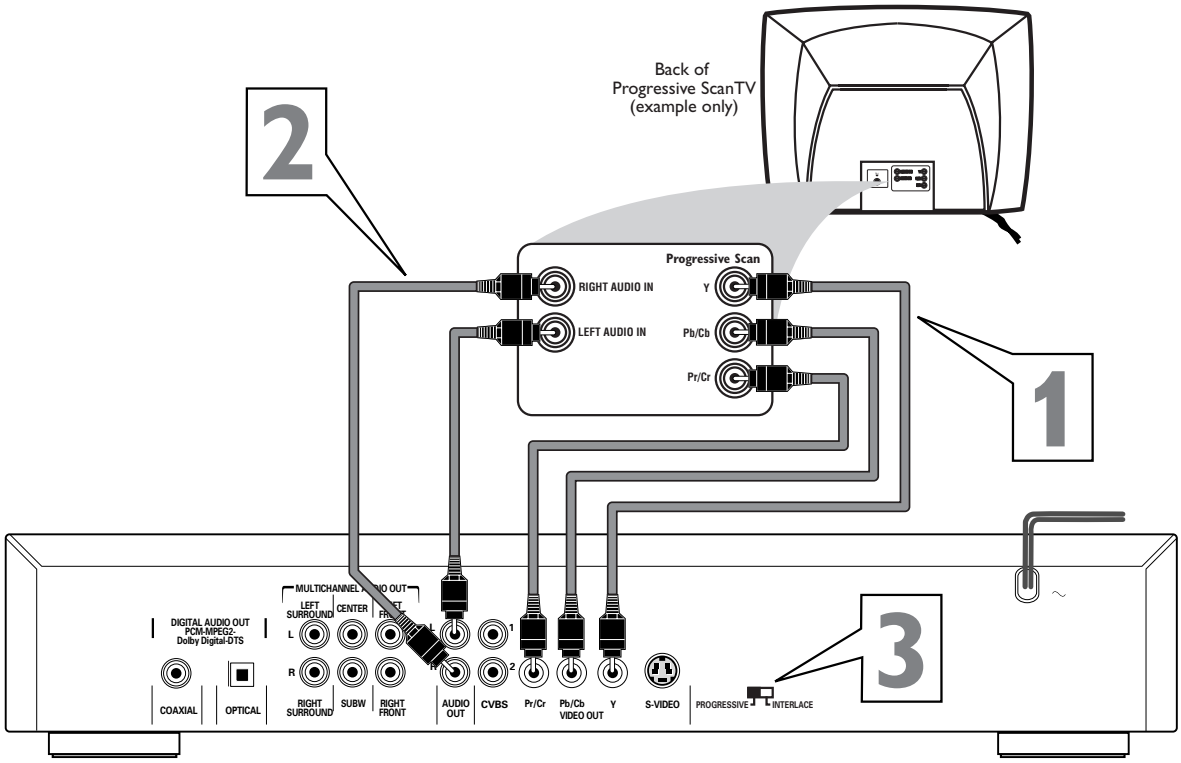
4 **Connect the power cords of the Player and the TV to the power outlet.**
Press STANDBY-ON on the front of the Player to turn on the Player. The red Standby light will disappear.

5 **Turn on the TV power and set the TV to the correct Component Video In channel.** See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue screen saver on the TV screen.

Helpful Hint

- *On the TV, the component video in jacks may be labeled YUV or Pr/Cr Pb/Cb Y and may be red, blue, and green.*

Connecting to a Progressive Scan TV Only
TV has Progressive Scan Component Video In Jacks



1 **Connect the Player's Pr/Cr Pb/Cb Y (VIDEO OUT) jacks to the corresponding Progressive Scan Pr/Cr Pb/Cb Y VIDEO IN jacks on the TV.** Use component video cable (not supplied).

2 **Connect the supplied red and white audio cables to the Player's red and white (right and left) AUDIO OUT jacks and to the right/left AUDIO IN jacks on the TV.** Match the cable colors to the jack colors.

3 **Set the PROGRESSIVE/INTERLACE switch on the back of the Player to PROGRESSIVE.**

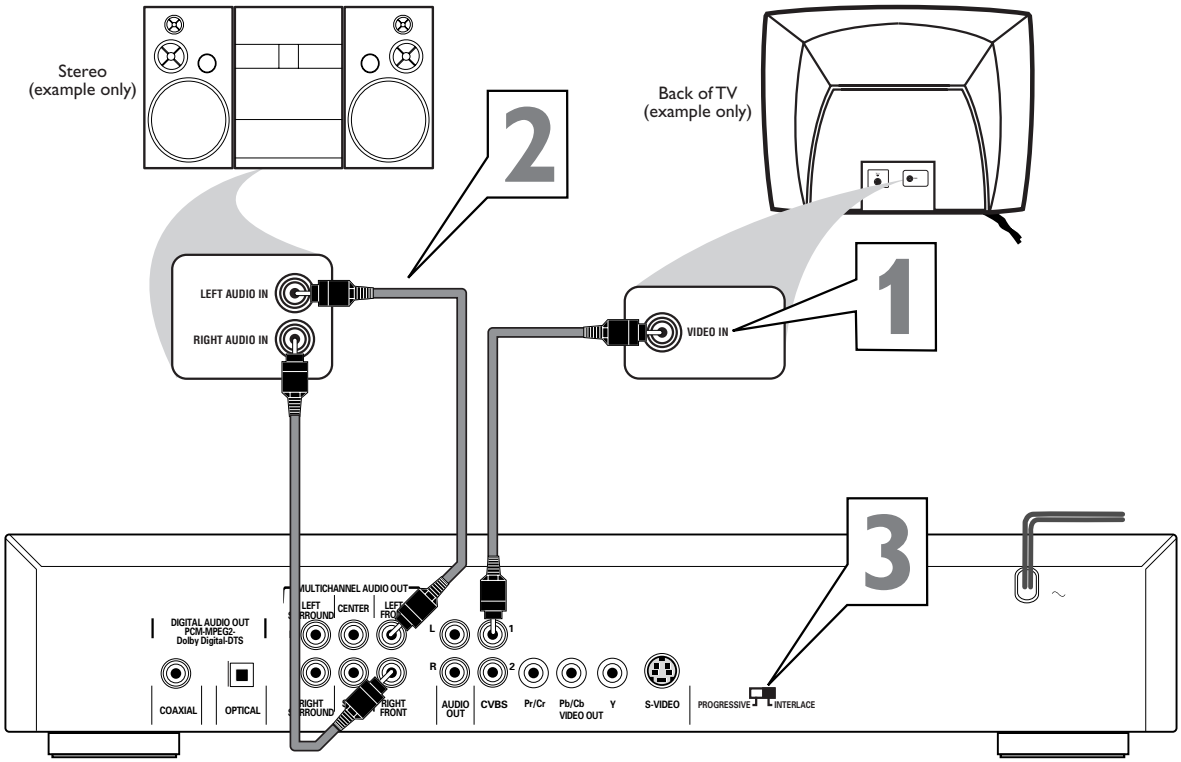
4 **Connect the power cords of the Player and the TV to the power outlet.**
Press STANDBY-ON on the front of the Player to turn on the Player. The red Standby light will disappear.

5 **Turn on the TV power and set the TV to the correct Progressive Scan In channel.** See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue screen saver on the TV screen.

Helpful Hints

- *On the TV, the Progressive Scan component video in jacks may be labeled YUV or Pr/Cr Pb/Cb Y and may be red, blue, and green. The jacks or TV must indicate Progressive Scan or ProScan capability.*
- *Progressive Scan also may be referred to as 480p (480 lines progressive). Progressive Scan is most likely to be available on high-definition televisions (marketed as HDTV).*
- *Switching between PROGRESSIVE/INTERLACE is available only during PLAY, PAUSE and STOP mode.*
  In any other mode, an "X" will appear on the left hand corner of the TV screen.

Connecting to a TV and a two-channel Stereo (Stereo has Dolby Pro Logic or right/left Audio In jacks)



1 **Connect the supplied yellow video cable to the Player's yellow CVBS (VIDEO OUT) jack and to the corresponding VIDEO IN jack on your TV.** There are two CVBS (VIDEO OUT) jacks in case you want to connect the Player to two separate TVs. For simply connecting the Player to a single TV, you may use either of the jacks, but you will not have to use both.

2 **Connect the supplied red and white audio cables to the Player's FRONT (right and left) MULTICHANNEL AUDIO OUT jacks and to the right/left AUDIO IN jacks on the Stereo.** Match the cable colors to the jack colors. Using the FRONT jacks will provide the best sound quality when playing Audio CDs and SACDs.

3 **Set the PROGRESSIVE/INTERLACE switch to INTERLACE.**

4 **Connect the power cords of the Player, TV, and Stereo to a power outlet.**
Press STANDBY-ON on the front of the Player to turn on the Player. The red Standby light will disappear.

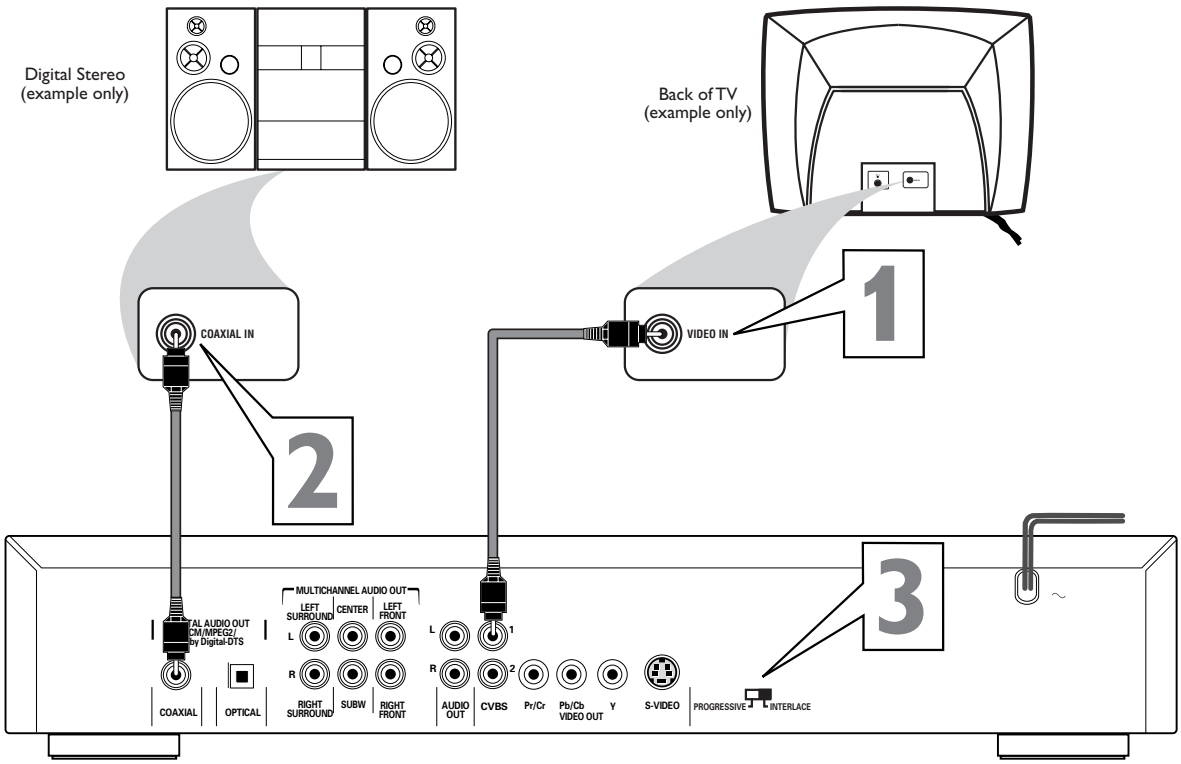
5 **Turn on the TV and set it to the correct Video In channel.** Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are near channel 00. See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue screen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

6 **Turn on the Stereo and set it to the correct Audio In channel or sound source.** Refer to the Stereo owner's manual.

Helpful Hints

- *Set Analog output accordingly. Details are on page 41.*
- *You may use S-Video, Progressive Scan, or Component Video connections instead for higher picture quality. These options must be available on your TV. Details are on pages 10-12.*

Connecting to a TV and a Digital Stereo (Stereo has PCM, Dolby Digital™, MPEG2, or Digital Theater System)



1 **Connect the supplied yellow video cable to the Player's yellow CVBS (VIDEO OUT) jack and to the corresponding VIDEO IN jack on your TV.** There are two CVBS (VIDEO OUT) jacks in case you want to connect the Player to two separate TVs. For simply connecting the Player to a single TV, you may use either of the jacks, but you will not have to use both.

2 **Connect one of the Player's DIGITAL AUDIO OUT jacks (COAXIAL or OPTICAL) to the corresponding DIGITAL AUDIO IN jack on your Stereo.** You only need one connection, so you will not use both jacks. Use a digital audio cable (not supplied).

3 **Set the PROGRESSIVE/INTERLACE switch to INTERLACE.**

4 **Connect the power cords of the Player, TV, and Digital Stereo to a power outlet.**
Press STANDBY-ON on the front of the Player to turn on the Player. The red Standby light will disappear.

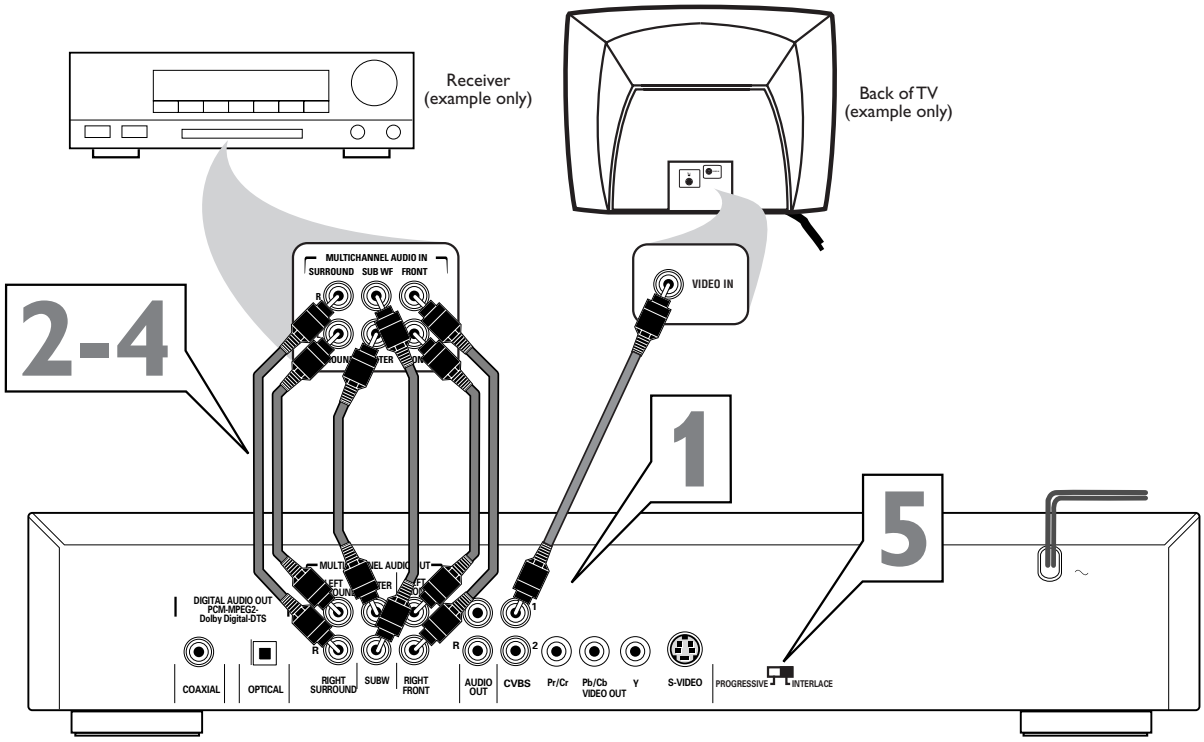
5 **Turn on the TV and set it to the correct Video In channel.** Such channels may be called AUX or AUXILIARY IN, AUDIO/VIDEO or A/V IN, EXT1 or EXT2, etc. These channels often are near channel 00. See your TV owner's manual for details. Or, change channels at the TV until you see the Player's blue screen saver on the TV screen.
Turn on the Stereo and set it to the correct Audio In channel or sound source. Refer to the Stereo's manual.

6 **Set the Player's Digital output.** *Details are on page 40.*

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.*
- *You will have six-channel digital surround sound with this connection only 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 or SACDs, you will not have sound if you use the DIGITAL AUDIO OUT jacks.*
- *You may use S-Video, Progressive Scan, or Component Video connections instead for higher picture quality. These options must be available on your TV. Details are on pages 10-12.*

Connecting to a TV and to a Six-channel Receiver (Dolby Digital or DTS)



1 **Connect the supplied yellow video cable to the Player's yellow CVBS (VIDEO OUT) jack and to the corresponding VIDEO IN jack on your TV.** There are two CVBS (VIDEO OUT) jacks in case you want to connect the Player to two separate TVs. For simply connecting the Player to a single TV, you may use either of the jacks, but you will not have to use both.

2 **Connect the Player's CENTER jack to the Receiver's CENTER IN jack. Connect the Player's SUBW jack to the Receiver's SUBWOOFER IN jack (or directly to the Subwoofer itself if possible).**

3 **Connect the Player's right/left FRONT jacks to the right/left FRONT IN jacks on your Receiver.**

4 **Connect the Player's right/left SURROUND jacks to the right/left SURROUND IN jacks on your Receiver.** Your Receiver may refer to Surround as Rear. These are the same.

5 **Set the PROGRESSIVE/INTERLACE switch to INTERLACE.**

6 **Connect the power cords of the Player, TV, and Receiver to a power outlet.**
Press STANDBY-ON on the Player to turn on the Player. The red Standby light will disappear.

7 **Turn on the TV and set it to the correct Video In channel.** Refer to your TV manual. Or, change TV channels until you see the Player's blue screen saver on the TV screen.
Turn on your Receiver and set it to the correct Audio In channel or sound source. Refer to the Receiver's manual.

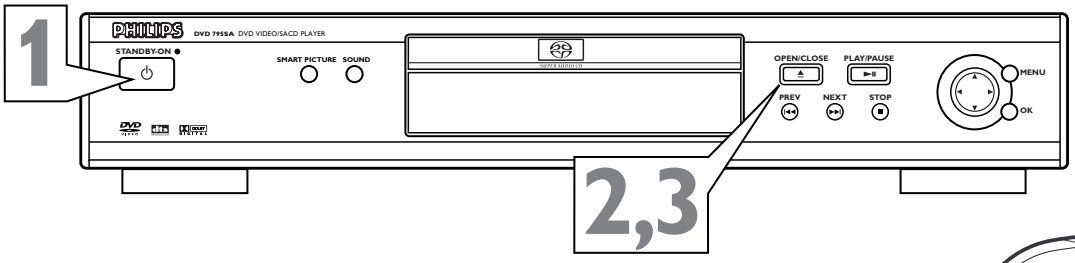
8 **Set Analog Output to Multi-channel.** *Details are on page 41.*
Adjust the Speakers if necessary. *Details are on page 44.*

Helpful Hints

- *Cables for the connections to the Receiver are not supplied with the Player.*
- *You may use S-Video, Progressive Scan, or Component Video connections instead for higher picture quality. These options must be available on your TV. Details are on pages 10-12.*

16 Quick Disc Playback

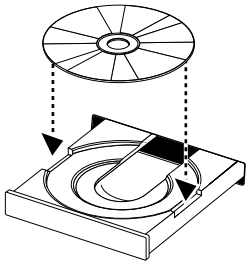
DVD | AUDIO CD | VIDEO CD | SACD



There are many playback features and options available on Discs. After familiarizing yourself with the Player and its remote control as described on pages 17-21, see pages 22 and following to try additional features.

1 **Press STANDBY-ON to turn on the Player.** The red Standby light will disappear from the front of the Player.
Turn on your TV. Set it to the correct Video In channel. You should see the Player's blue background screen on the TV.

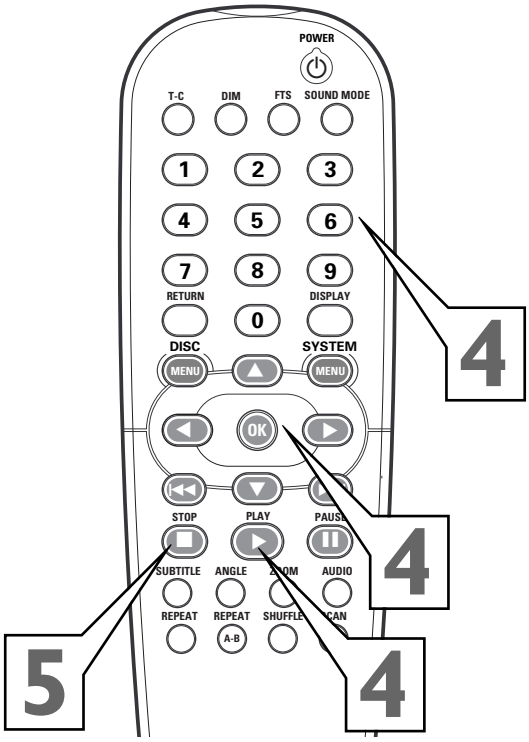
2 **Press OPEN/CLOSE ▲ on the front of the Player to open the disc tray. Load your Disc in the tray**, with the label facing up and the shiny side facing down. If the Disc is two-sided, make sure the side you want to play is facing up.



3 **Press OPEN/CLOSE ▲ again to close the tray. Playback may begin automatically.**

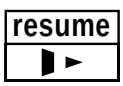
4 **If playback does not start automatically, press PLAY ►.** Playback will stop at the end of the Title or after the last Track.
If DVD playback does not start automatically, a Disc menu may appear. If the Title or Chapter selections are numbered, **press a Number button to select an item. Or, press ◄►▲▼ to select an item for playing, then press OK.**

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



Resume

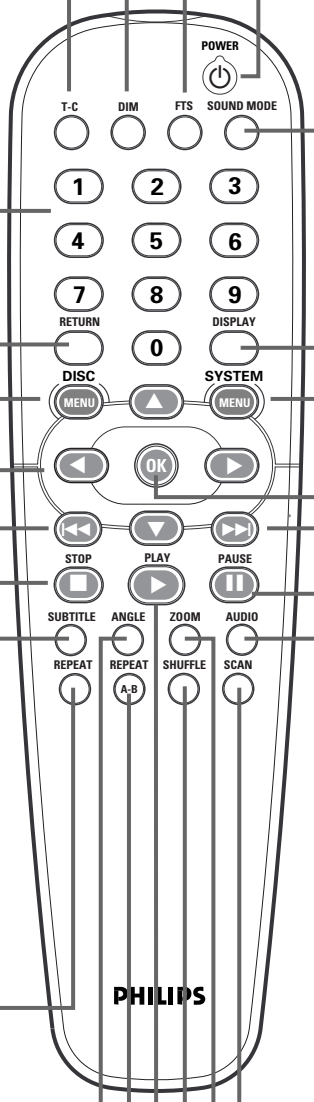
The Resume feature is available with the last five DVDs, Video CDs, and Super Video CDs you played. Pressing STOP ■ to stop playback sets up the Resume feature. The next time you start playing the Disc, play will resume at the same point at which you last stopped it.
However, if you press STOP ■ twice to stop Disc playback, Resume will not be activated. The next time you start playing the Disc, play will start at the beginning of the Disc.
If the Resume symbol (see below) appears on the TV screen when you reload a Disc, play will resume from the point at which you last stopped playback if you press PLAY ► while the Resume symbol appears.



Resume symbol

Helpful Hints

- *If the Disc is Locked by Access Control, you must enter the four-digit code or unlock the Disc. Details are on pages 29-32.*
- *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 all Discs.*
- *When playing MP3 files or SACDs, you will not have sound if you used the DIGITAL AUDIO OUT jacks. See page 35 for details.*
- *If a Video CD will not play, make sure Playback Control is Off. Details are on page 36.*
- *If you have no picture and you did not use a Progressive Scan connection, set the PROGRESSIVE/INTERLACE switch on the rear of the Player to INTERLACE.*



DIM Button
Press repeatedly to adjust the brightness of the Player's display panel. There are four levels of brightness from which to choose.

T-C Button
Press to select "T" (Title/Track) or "C" (Chapter) in the System Menu Bar, then press ▲ ▼ to select the Title, Track, or Chapter number you want to play.

Number Buttons
Press to select numbered items in a DVD Disc menu. Press during playback to directly select a Chapter or Track for playback. *Details are on page 22.*

RETURN Button
Press to go back to a previous menu.

DISC MENU Button
Press to access a DVD's Disc menu. *Details are on page 22.*

▲ ▼ ◀ ▶ Buttons
Press to select an item in a menu. *Details are on pages 20 and 22.* Press ◀ or ▶ for reverse or forward searching, ▲ for slow motion playback, or ▼ for paused playback.

|◀◀ Button
Press and hold for two seconds to search backward during playback. Press repeatedly to return to a previous Chapter/Track or to the beginning of the current Chapter/Track. *Details are on pages 22-23.*

STOP ■ Button
Press to stop Disc playback.

SUBTITLE Button
Press to select an available subtitle language. *Details are on page 27.*

REPEAT Button
Press repeatedly to play a Chapter, Title, Track, or entire Disc repeatedly. *Details are on page 26.*

ANGLE Button
Press to select Angle in the System Menu Bar. Multiple angles must be available on the Disc. *Details are on page 25.*

REPEAT A-B Button
Press to set up Repeat A-B playback, in which a certain segment of the Track or Chapter plays repeatedly. *Details are on page 26.*

PLAY ▶ Button
Press to begin Disc playback. *Details are on page 16.*

FTS Button
Press to access Video Favorite Track Selection. *Details are on page 33.*

POWER ⏻ Button
Press to turn on or off the Player.

SOUND MODE Button
Press during DVD or Video CD playback to select a Sound mode: st (Stereo), sur (Dolby Surround-compatible), 3d (surround sound effect) or 6ch (multichannel). *Details are on page 41.*
Press to choose CD, SACD Stereo, or SACD Multichannel as the SACD Sound Mode. *Details are on page 49.*

DISPLAY Button
Press to access or remove the Bit Rate Indicator during DVD playback. Press to see CD text if available on an Audio CD or SACD. If no text is available, NO TEXT will appear on the Player's display panel.

SYSTEM MENU Button
Press to access or remove the Player's System Menu Bars. *Details are on page 20.*

OK Button
Press to acknowledge a menu selection.

▶▶| Button
Press and hold for two seconds to search forward during playback. Press to go to the next Chapter or Track. *Details are on pages 22-23.*

PAUSE ❚❚ Button
Press once to pause playback. Press repeatedly to advance a paused DVD or Video CD picture one frame at a time (frame-by-frame playback). *Details are on page 24.*

AUDIO Button
Press to select a different language during DVD playback. Press to choose an audio channel during Video CD playback. *Details are on page 27.*

SCAN Button
Press to play the first 10 seconds of each Track or Chapter. *Details are on page 28.*

ZOOM Button
Press to access Zoom in the System Menu Bar to enlarge the picture. *Details are on page 25.*

SHUFFLE Button
Press to play Tracks or Chapters in random order. *Details are on page 28.*

STANDBY-ON Button
Press to turn the Player on or off. The Standby light is red when the Player is in Standby mode (power off). The light does not appear if the power is on.

SMART PICTURE Button
Press to select a set of color settings. *Details are on page 39.*

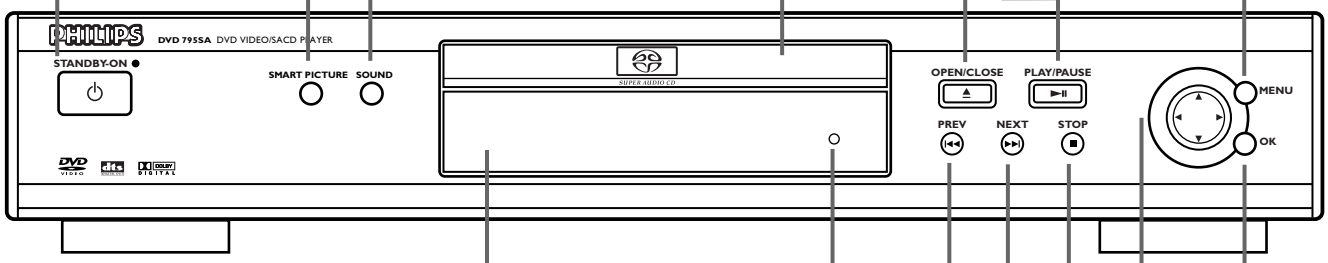
Disc Tray
Insert a Disc here. Load the Disc with the label facing up (shiny side facing down). If the Disc is two-sided, make sure the side you want to play is facing up.

SOUND Button
Press during DVD or Video CD playback to select a Sound mode: st (Stereo), sur (Dolby Surround-compatible), 3d (surround sound effect) or 6ch (multichannel). *Details are on page 41.* Press to choose CD, SACD Stereo, or SACD Multichannel as the SACD Sound Mode. *Details are on page 49.*

OPEN/CLOSE ▲ Button
Press to open or close the Disc tray.

PLAY/PAUSE ►II Button
Press to start playing a Disc. Press once during playback to pause play; press again to resume play.

MENU Button
Press to access a DVD's Disc menu during playback. *Details are on page 22.* This button does not access the Player's System Menu.



Display
Current Disc information appears here. Such information may include SACD or CD text, a Title/Chapter/Track number, elapsed playing time, or messages about current Player activity, such as: OPENING, CLOSING, READING, PLAY, INFO (Player is checking Disc or going to a menu), PAUSE, REPEAT CHPT, REPEAT TITL, REPEAT DISC, REPEAT A-B, REPEAT OFF, SCAN, SHUFFLE, SHUFFLE OFF, STOP, or PIN (four-digit code for Access Control).

OK Button
Press to acknowledge a selection in either a DVD Disc menu or the Player's System Menu.

Remote Sensor
Point the Player's remote control here when using the remote to operate the Player.

◄ ► ▲ ▼Button
Press to select items in a DVD Disc menu or the Player's System Menu.

PREV (ious) I◄◄ Button
Press to go to previous Chapters or Tracks or to the beginning of the current Chapter/Track. Press and hold for two seconds to start a reverse search during playback. *Details are on pages 22-23.*

NEXT ►►I Button
Press to move immediately to the next Chapter or Track. Press and hold for two seconds to start a fast forward search during playback. *Details are on pages 22-23.*

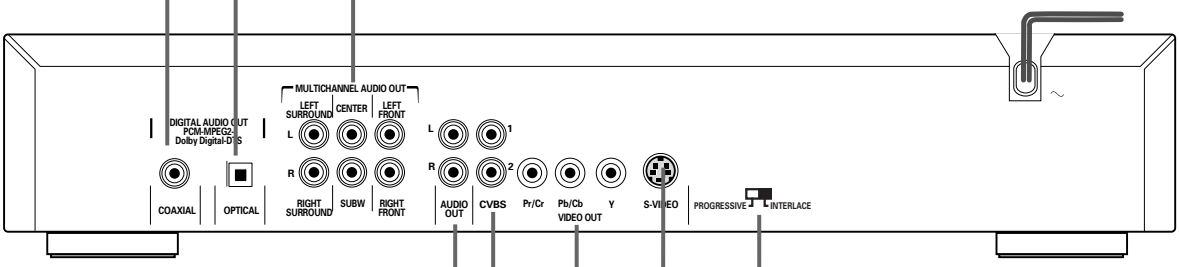
STOP ■ Button
Press to stop Disc playback.

AC Power cord
Connect to a standard AC outlet to supply power to the Player.

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

OPTICAL (Digital Audio Out)
Connect an optional audio optical cable here and to the optical digital Audio In jack of a Stereo. *Details are on page 14.* When the OPTICAL jack is not in use, replace its protective cap.

MULTICHANNEL AUDIO OUT
If you have a multiple channel Receiver (one that has connections for six speakers), connect the MULTICHANNEL AUDIO OUT jacks on the Player to the corresponding In jacks on the Receiver. *Details are on page 15.*



AUDIO OUT (Left/Right)
Connect the supplied red and white audio cables here and to the Audio In jacks of a television or Stereo. *Details are on pages 9-12.*

CVBS (Video Out)
Connect the yellow video cable (supplied) here and to the TV's Video In jack. *Details are on page 9.*

Pr/Cr Pb/Cb Y (Video Out)
Connect component video cable here and to the Component Video In jacks of a TV. *Details are on page 11.*
Or, if your TV has Progressive Scan, connect these jacks to the Progressive Scan In jacks on the TV. *Details are on page 12.*

S-VIDEO (Video Out)
Connect an S-Video cable here and to the S-Video In jack of a television. *Details are on page 10.*

PROGRESSIVE/INTERLACE switch
Set this switch to PROGRESSIVE only when connecting the Player to Progressive Scan In jacks on your TV. Set this switch to INTERLACE in all other cases. *Details are on pages 9-12.*

Caution

- *Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may damage the unit permanently.*

20 System Menu Bars

Use the System Menu Bars to operate features. Press SYSTEM MENU on the remote control repeatedly to select System Menu Bar 1, System Menu Bar 2, or System Menu Bar 3. Press SYSTEM MENU again to remove all the System Menu Bars from the TV screen.
Press ◄ ► ▲ ▼ on the remote control to select items or to change the setting of an item.

System Menu Bar 1

User Preference Settings Set your preferences for audio and video quality, depending on the equipment you connected to the Player. Also set up Languages, Access Control, Playback Control, and other Player features. Each feature is described specifically throughout this owner's manual.

Current Subtitle Language If the current DVD has subtitles in multiple languages, select a language here. *Details are on page 27.*

Current Audio Language If a DVD has multiple languages, choose one here. If a Video CD has information recorded on separate left and right audio channels, choose to listen to the left channel (LL), right channel (RR), or both (LR) channels. *Details are on page 27.*

Smart Picture (Smart Color) Choose a set of color settings that you prefer. *Details are on page 39.*

Sound Mode Choose a sound mode here: Stereo (st), Dolby Surround-compatible (sur), 3D Sound (3d), or Multichannel (6ch). *Details are on page 41.*

System Menu Bar 2

Frame-by-Frame Select for forward or reverse frame-by-frame playback of a DVD or Video CD. Press ▼, then press ◄ or ► to move the picture backward or forward one frame at a time.

Slow motion Select to slow the speed of DVD or Video CD playback.
Details are on page 23.

Fast motion (Scan Speeds) Select to play a DVD or Video CD forward or backward at four, eight, or 32 times the normal playback speed. Press ▼, then press ◄ or ► to choose a backward (minus or -) or forward speed.

Angle If multiple camera angles are available, the current angle number and the total number of angles available will appear here.
Details are on page 25.

Zoom (Enlarge picture) Select to enlarge the DVD or Video CD picture by 1.33, 2, or 4 times the normal size. *Details are on page 25.*

System Menu Bar 3

Title Select to choose an available Title for playback. Use the Number buttons or the ▲ ▼ buttons to select the Title you want.

Chapter Select to choose an available Chapter for playback. Use the Number buttons or the ▲ ▼ buttons to select the Chapter you want.

Time Search Select to enter a specific time at which you want playback to begin. *Details are on page 24.*

Favorite Track Selection (FTS) Select to enter the Favorite Track Selection menu and set up an FTS program. *Details are on page 33-34.*

Wake-up Timer Select to enter the amount of time in minutes in which you want the Player to turn on automatically. *Details are on page 45.*

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

Scan The first 10 seconds of each Chapter will play. *Details are on page 28.*

Repeat All The entire Disc will play repeatedly. *Details are on page 26.*

Repeat Title The current Title will play repeatedly. *Details are on page 26.*

Repeat Chapter The current Chapter will play repeatedly. *Details are on page 26.*

Shuffle The Chapters will play in random order. *Details are on page 28.*

Repeat A Point A for Repeat A-B playback has been entered. *Details are on page 26.*

Repeat A-B A segment of the Disc will play repeatedly. *Details are on page 26.*

Angle Multiple angles are available. *Details are on page 25.*

Locked The current Disc is Locked and cannot play. *Details are on pages 29-32.*

Safe The current Disc is authorized for playback. *Details are on pages 29-32.*

Resume Press PLAY ▶ while Resume appears during DVD playback. Play will resume at the point at which you last stopped it.

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

22 Title/Disc Menus, Chapter/Track Selection

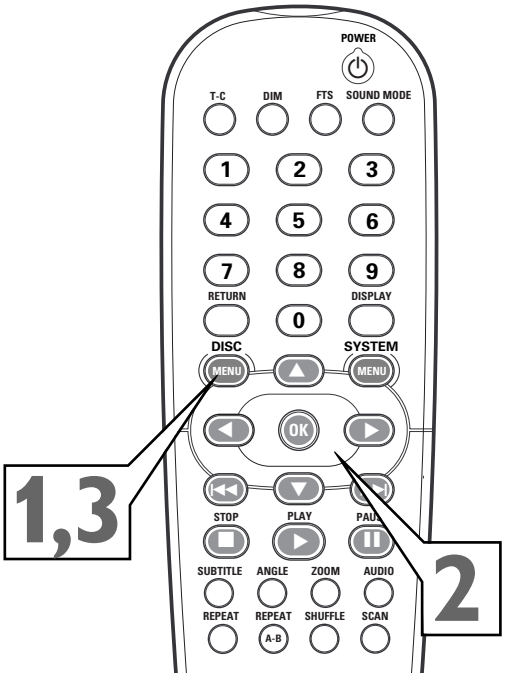
DVD

Title/Disc Menus

1 **Press DISC MENU.** If the current Title of the current Disc has a menu, the Title menu will appear on the screen. Otherwise, the main DVD Disc menu will appear.
The menu may list camera angles, spoken language and subtitle options, Chapters for the Title, or other Disc features.

2 **Press ◄ ► ▲ ▼ 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 playback from the menu, **press DISC MENU to remove the menu.**

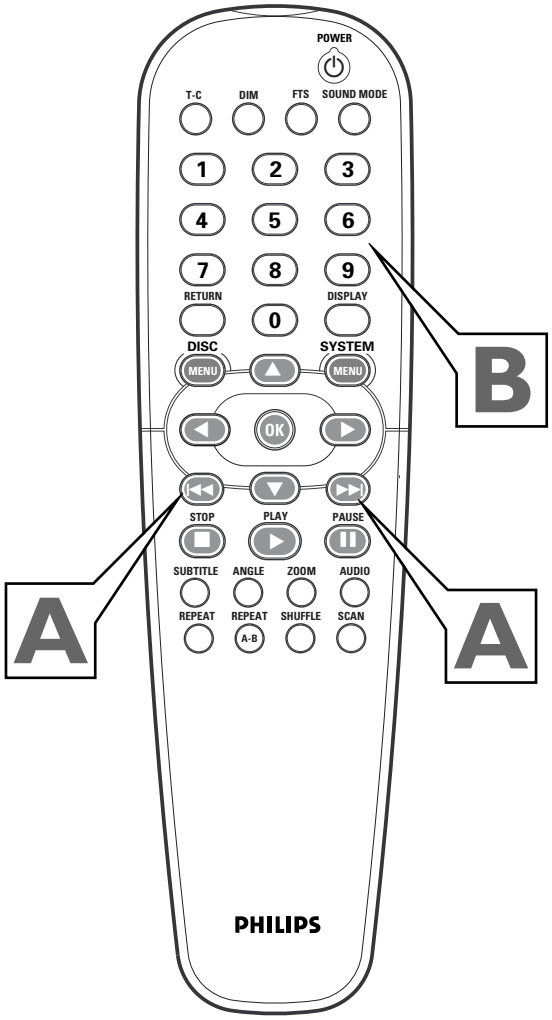


DVD | AUDIO CD | VIDEO CD | SACD

Chapter/Track Selection

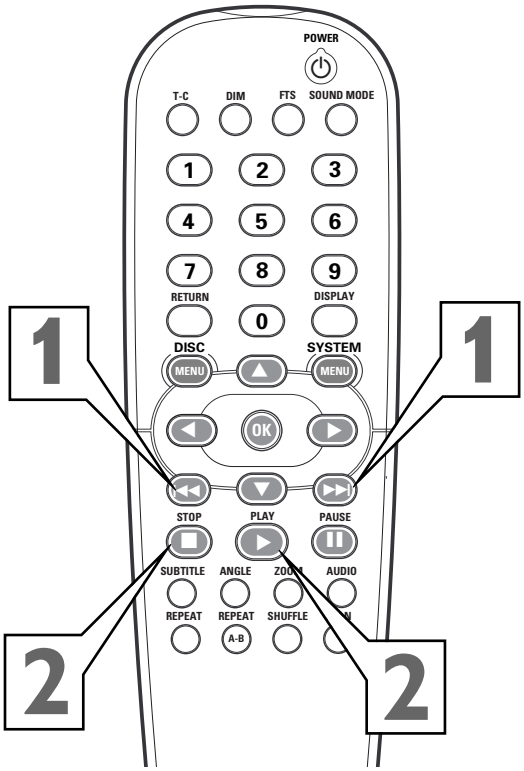
A **Press ▶▶| briefly during playback to go to the next Track/Chapter. Press |◀◀ briefly to return to the beginning of the current Track/Chapter.**
Press |◀◀ repeatedly and quickly to step back to previous Tracks/Chapters.

B **To go directly to any Track/Chapter during playback, press the Number buttons to enter the Track/Chapter number.**
The System Menu Bar may appear briefly. It will disappear once the new Track/Chapter starts to play.
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.



DVD | AUDIO CD | VIDEO CD | SACD

Forward and Reverse Searching

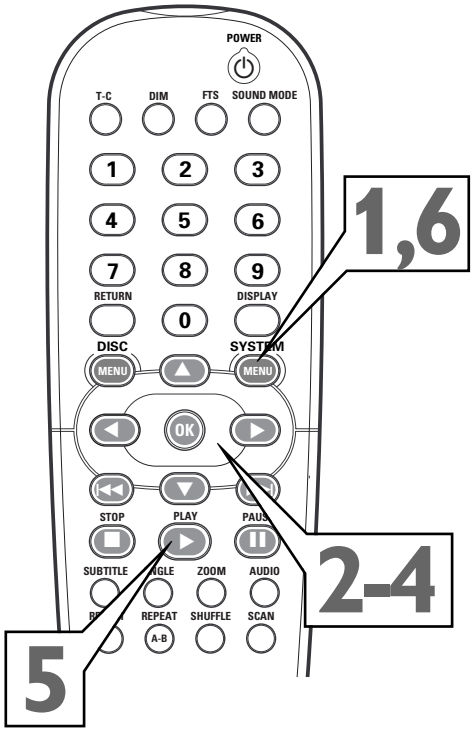


1 **On a DVD or Video CD, to search the Disc at four times the normal speed, press and hold ⏮ or ⏭ for about two seconds during playback.** To search at 32 times the normal speed, press and hold ⏮ or ⏭ again. The sound will be mute.
On an Audio CD or SACD, to search the Disc at four times the normal speed, press and hold ⏮ or ⏭ for about two seconds during playback. Sound will be intermittent. To search at eight times the normal speed, press and hold ⏮ or ⏭ again. The sound will be mute.
Each press and hold of ⏮ or ⏭ switches between the slower and faster search speed.

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

DVD | VIDEO CD

Slow Motion

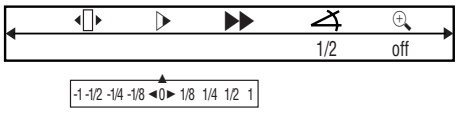


1 **During playback, press SYSTEM MENU to access the System Menu Bar.**

2 **Press ▶ repeatedly to select ▷ Slow motion in the System Menu Bar.**

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

4 **Press ◀ or ▶ to select the required speed: -1, -1/2, -1/4 or -1/8 (backward), or 1/8, 1/4, 1/2 or 1 (forward).** Sound will be mute during slow motion playback.
For example, select 1/2 to play the Disc forward at half the regular speed. Select 1 to play the Disc at normal speed again. Select 0 or press PAUSE ❚❚ on the remote control to pause the picture.
If the beginning of the Title/Track is reached during backward Slow Motion, regular play will resume.



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

6 **Press SYSTEM MENU to remove the System Menu Bar.**

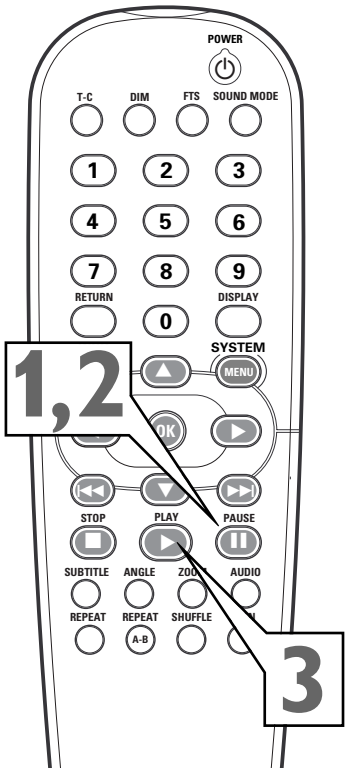
Helpful Hints

- *Start forward slow motion playback simply by pressing ▼ during playback. Press ▼ repeatedly to choose a Slow Motion speed of 1/2, 1/4, or 1/8 the regular speed.*
- *If you reach the beginning of the Disc or Title during a reverse search, regular play will resume automatically.*

24 Still Picture/Frame-by-Frame Playback, Time Search

DVD | VIDEO CD

Still Picture/Frame-by-Frame Playback



1 **During playback, press PAUSE ❚❚** on the remote control. A still picture will appear on the TV screen.

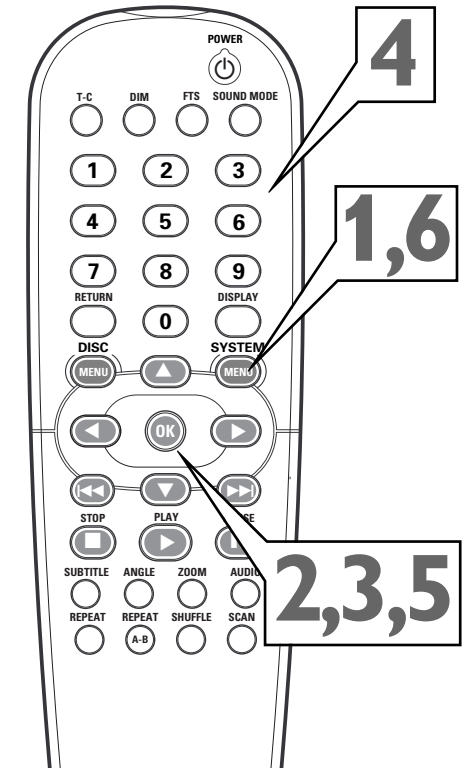
2 **To advance the still picture one frame at a time, press PAUSE ❚❚ repeatedly.**

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

DVD | VIDEO CD

Time Search

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



1 **Press SYSTEM MENU.**

2 **Press ▶ repeatedly to select Time Search.**

3 **Press ▼.** 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. Make sure the time you enter is within the total playing time of the current Title/Track.

5 **Press OK.** After a few seconds, playback will resume at the point you selected.
Or, if you entered an invalid time, the incorrect information will blink in the time edit box. Enter a time that is available in the current Title/Track and press OK again.

6 **Press SYSTEM MENU to remove the System Menu Bar.**

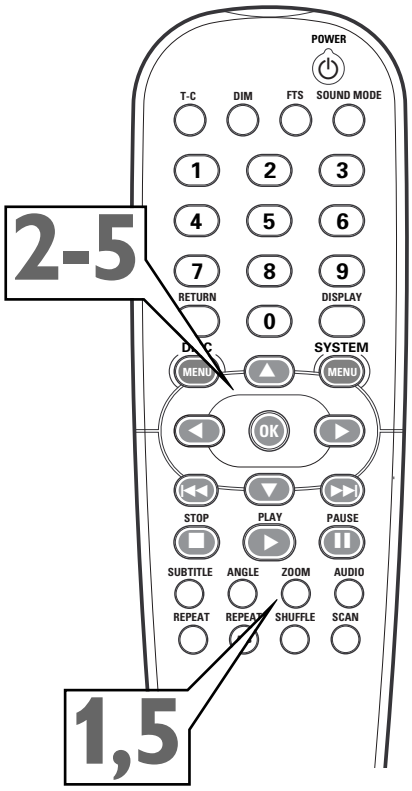
Helpful Hints

- *You can also pause the picture by pressing ▲ during playback.*
- *Frame-by-Frame playback is available in the System Menu Bar. Details are on page 20.*

DVD VIDEO CD

Zoom

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



1 **Press ZOOM during playback.** Zoom will be selected in the System Menu Bar.

2 **Within five seconds, press ▲ or ▼ to choose 1.33, 2 or 4.** The picture will play at 1.33, 2, or 4 times the normal size.

3 **To move within the enlarged picture, or "pan," press OK. Then, press ◄ ► ▲ ▼ to move to the bottom, top, left, or right of the picture.**

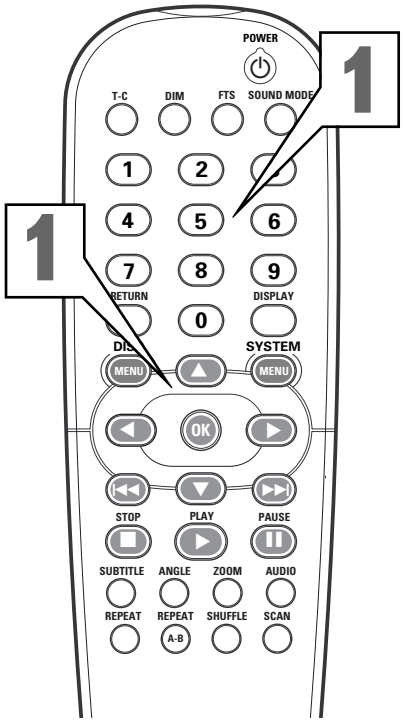
4 **Press OK to remove the System Menu Bar.**

5 **To return the picture to its normal size, press ZOOM, then press ▼ or ▲ to select off, then press OK.**

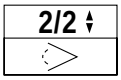
DVD

Camera Angle

Some DVDs include scenes recorded from different angles. You can watch these different angles if the Angle Symbol appears during DVD playback. If the DVD was not recorded with different angles, this feature is not available. Check the DVD case first to see if multiple angles are available.



1 During DVD playback, the Angle Symbol (see below) will appear in the top left corner of the TV screen if multiple angles are available. The current angle and the total number of angles available will appear. In the example below, you are currently watching angle 2 of the two available angles.
While the Angle symbol appears, press ▼ or ▲ or the Number buttons to select the angle from which you want to watch the current scene.



Helpful Hints

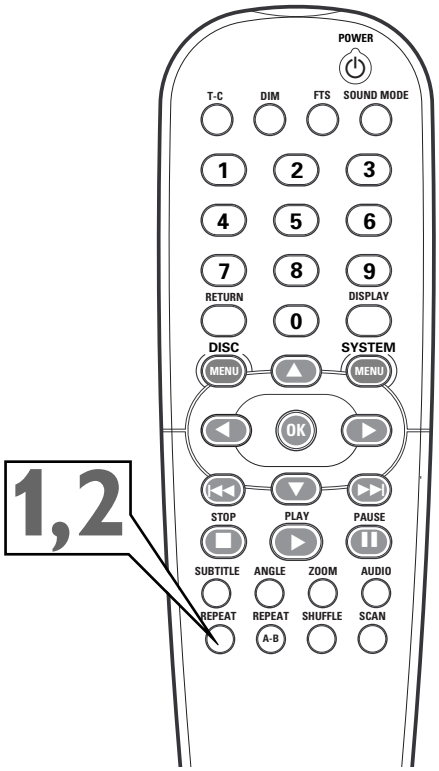
- *Zoom in by factor of 4 is not available during playback of VCDs in Progressive Mode*

26 Repeat, Repeat A-B

DVD | AUDIO CD | VIDEO CD | SACD

Repeat

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



1 **During playback, press REPEAT repeatedly to choose a Repeat mode.**

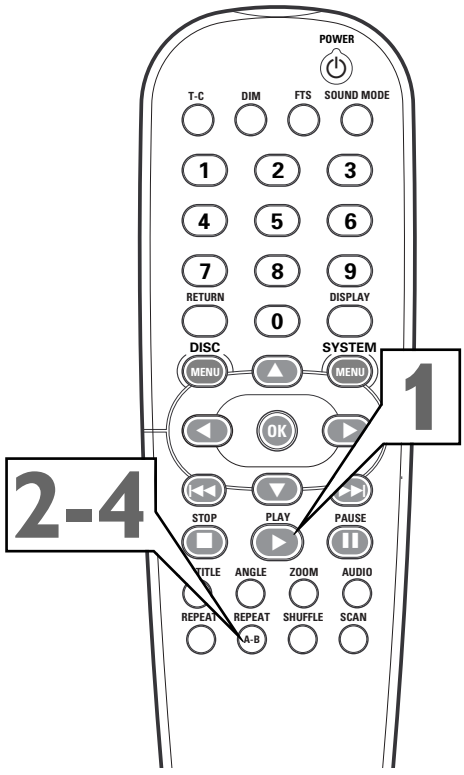
- **To repeat the current Chapter/Track, press REPEAT once.** REPEAT CHPT or REPEAT TRK will appear on the display panel.
- **To repeat the current Title, press REPEAT again.** REPEAT TITL will appear on the display panel.
- **To repeat the entire Disc, press REPEAT again.** REPEAT DISC will appear on the display panel.

2 **To cancel repeat playback, press REPEAT again.** REPEAT OFF will appear on the display panel.

DVD | AUDIO CD | VIDEO CD | SACD

Repeat A-B

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



1 **Press PLAY ▶ to start Disc playback.**

2 **When the Disc reaches the point at which you want repeated playback to begin, press REPEAT A-B.** This sets Point A, or the point at which repeated playback will begin. REPEAT A will appear on the display panel briefly.

3 **When the Disc reaches the point at which you want to end the segment, press REPEAT A-B again.** This sets Point B, or the point at which repeated playback will end. The segment will begin playing repeatedly. REPEAT A-B will appear on the display panel briefly.
Set Point B before the end of the current Track or Title.

4 **To resume regular playback, press REPEAT A-B again.** Regular playback will resume. REPEAT OFF will appear on the display panel briefly.

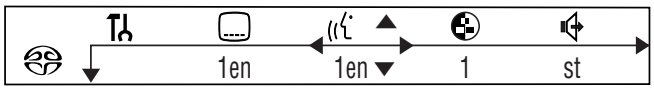
DVD

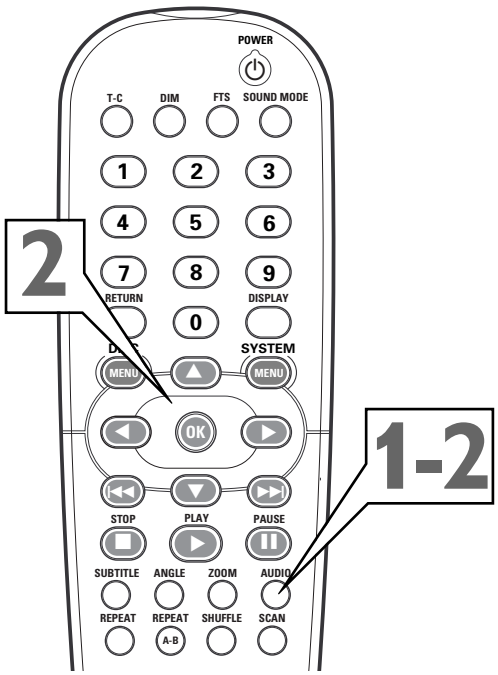
Audio Language

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 AUDIO.** Audio will be selected in the System Menu Bar.

2 **Within five seconds, press AUDIO repeatedly to see the different languages available.** Or, press ▲ or ▼ to see the different languages. The language you select will be audible in a few seconds, and the System Menu Bar will disappear automatically.





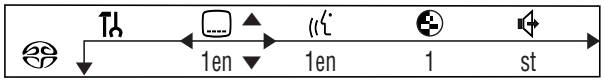
DVD

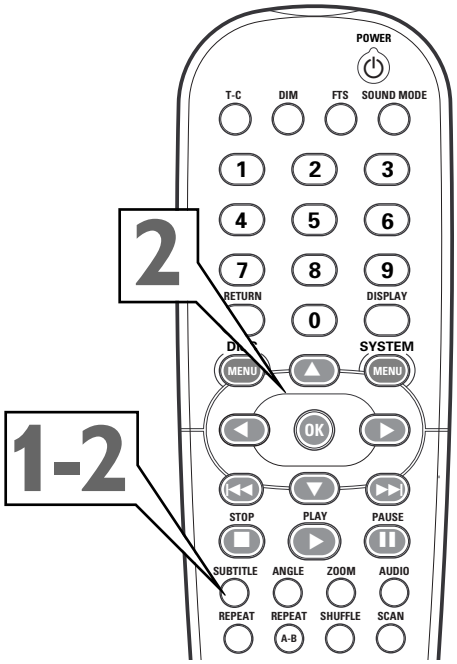
Subtitles

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

1 **During DVD playback, press SUBTITLE.** Subtitle will be selected in the System Menu Bar.

2 **Within five seconds, press SUBTITLE repeatedly to see the different subtitle languages.** Or, press ▲ or ▼ to see the different subtitle languages. The language may be abbreviated or numbered, as in the example below for English. Subtitles will appear after a few seconds, and the System Menu Bar will disappear automatically.
You can choose subtitles only if they are available on the DVD.





Helpful Hints

- *Some Video CDs or Super Video CDs are recorded on multiple audio channels. For example, a Karaoke Disc may record music on the left channel and vocals on the right channel.*
  Press AUDIO repeatedly during playback to choose an audio channel. Choose LR to hear both channels simultaneously (for example, the music and the vocals together). Choose LL to hear only the left channel. Choose RR to hear only the right channel.
- *The Audio language you select may not be audible if Analog output is not set correctly. Details are on page 41.*

28 Scan, Shuffle

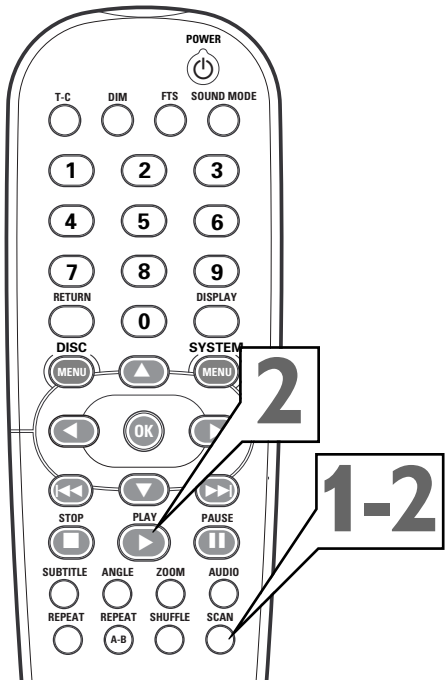
DVD | AUDIO CD | VIDEO CD | SACD

Scan

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

1 **Press SCAN during playback.** Starting at the beginning of the current Chapter/Track, the first 10 seconds of each Chapter/Track will play. SCAN will appear briefly on the Player's display panel.

2 **To continue playback from a Chapter/Track, press SCAN again or press PLAY ▶.** SCAN OFF will appear briefly on the Player's display panel.
Otherwise, scanning stops at the end of the Disc.



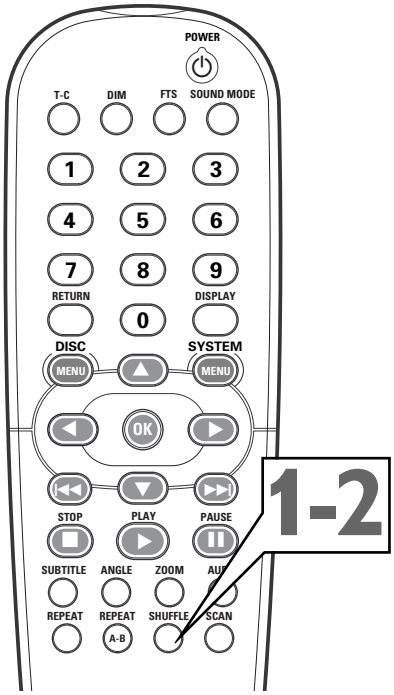
DVD | AUDIO CD | VIDEO CD | SACD

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, Video CD, or SACD, activating Shuffle will play all the Tracks in random order.

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

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

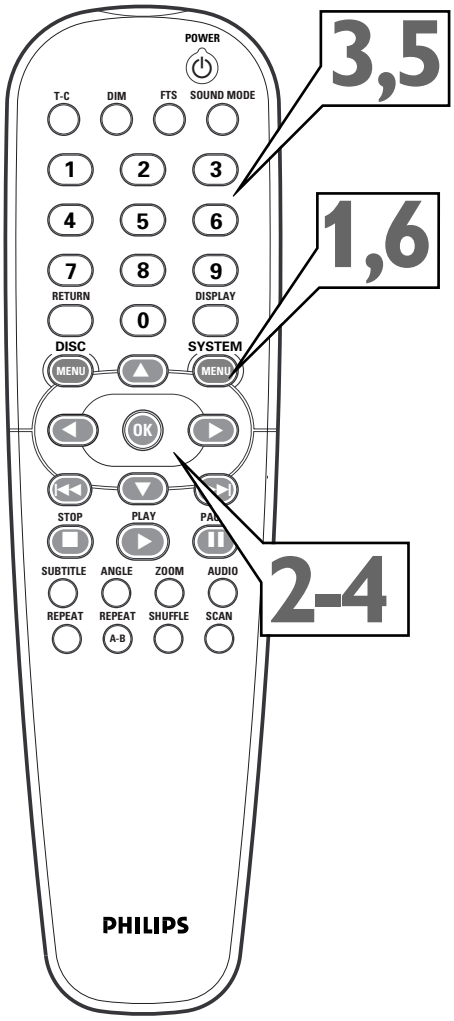


Helpful Hints

- *Set FTS to Off to ensure Scan and Shuffle operate as described. Details are on pages 33-34.*
- *Choosing another Chapter/Track will cancel Scan.*

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.

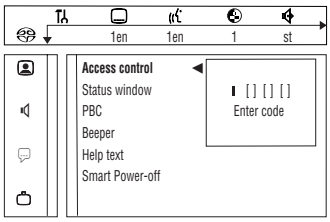


Changing Your Code

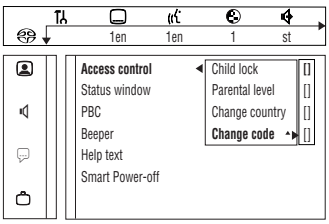
1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▶ 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. Press SYSTEM MENU if this is your first time setting the code. You are finished.



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



5 **Press four Number buttons to enter the new four-digit code. Then, while Confirm code appears in the menu, enter it again - exactly - to confirm it.**

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

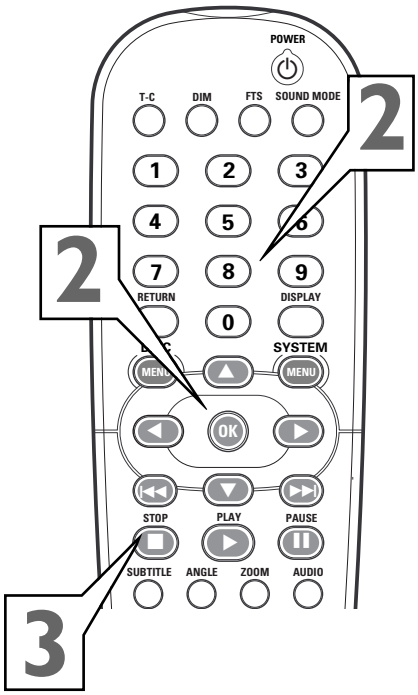
Helpful Hint

- *The Player sometimes asks you to enter your code twice to confirm the code. This is normal.*

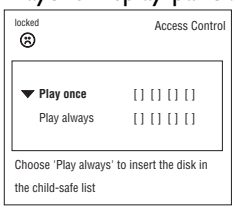
30 Access Control (cont'd)

Play Once/Play Always

With Play once or Play always, you can disable or enable viewing of a specific Disc. The Player memorizes settings for 120 Discs. When you select Play Always, the Disc currently in the Player moves to the top of the list. When the list is full and you add a new Disc, the last Disc in the list will drop out of the list.



1 **Insert a Disc.** The Access Control message will appear on the TV screen if the current Disc is Locked. PIN will appear on the Player's display panel.



2 **Press ▲ or ▼ 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 Player and the Player power is On.
- If you select Play Always, the Disc will play always, even if you set Child Lock to 🔒 (Locked).

3 **If you later want to lock the Disc so it will not play always:** When you insert the Disc, playback begins automatically and safe ☺ appears on the TV screen. **Press STOP ■ while safe ☺ is on the TV screen.** Locked ☹ will appear. If the Disc continues playing, press STOP ■ again to stop playback. You may need to turn off the Player or remove the disc before the Disc is completely Locked. The next time you turn on the Player, the Disc will not play unless you enter the four-digit code.

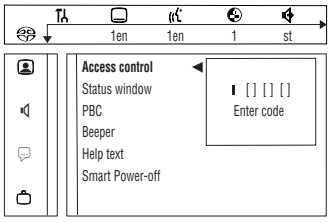
Child Lock

Use Child Lock to disable viewing of a specific Disc, regardless of its rating.

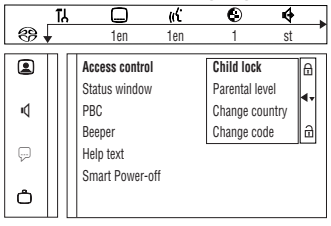
1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▶ again. Use the Number buttons to enter your code.**

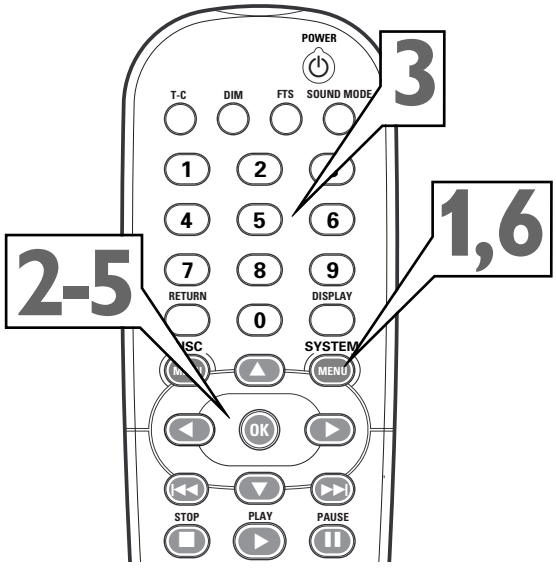


4 Child lock will be highlighted. **Press ▶.**



5 **Press ▲ or ▼ to select Locked 🔒 or Unlocked 🔓. Press OK.** Locked discs will not play unless you enter your four-digit code.

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

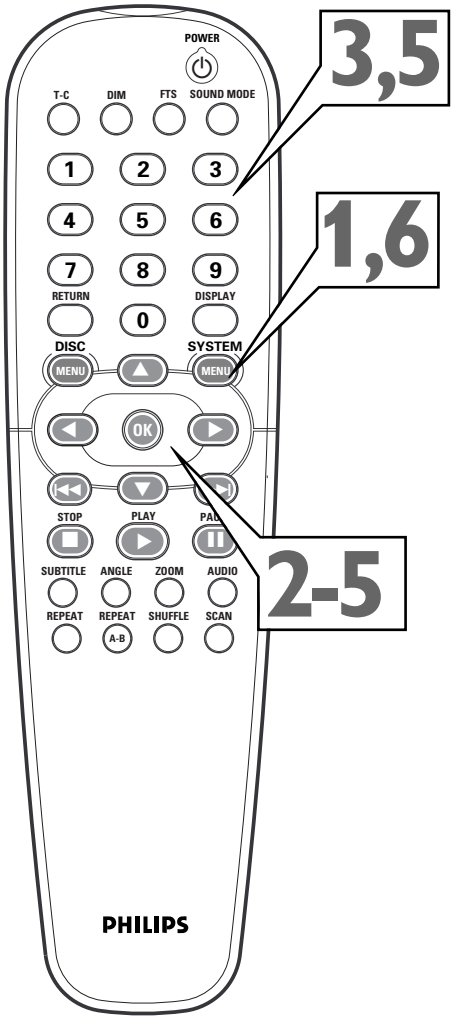


Helpful Hints

- *If you do not know the code, press STOP ■ four times when the Access Control screen appears. Select Access Control as described in steps 1-3 on page 29. When asked to enter the code, use the Player's default code 3308. Then, change the code to one you prefer as described on page 29.*
- *Lock/unlock each side of two-sided DVDs and each volume of multi-volume Video CDs.*

Setting Parental Levels

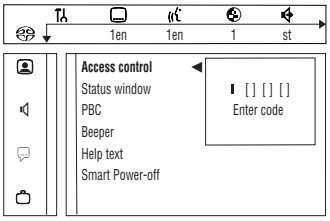
DVDs may contain alternative scenes that conform to the Parental Level, or movie rating, that you select. The Parental Level may apply to the complete Disc or to certain scenes on the Disc. Follow the steps below to set the Parental Level at which you want Discs to play.



1 **Press SYSTEM MENU.** will be highlighted.

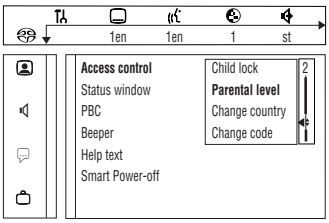
2 **Press ▼ repeatedly to select , then press ▶.** Access control will be highlighted.

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



4 **Press ▼ to select Parental level, then press ▶.**

5 **Press ▲ or ▼ or the Number buttons (0-8) to select a rating, then press OK.**
Select "0" (– –) to deactivate Parental level.
Or, choose a rating between 1-8; Discs or scenes with the same rating or lower will play. Higher rated Discs or scenes will not play unless you enter your 4-digit code. Follow the directions given by the Disc to enter your code and start playback.



6 **Press SYSTEM MENU to remove the menus.**
See page 32 if necessary to select the country for which the Parental level ratings apply (according to your Discs).

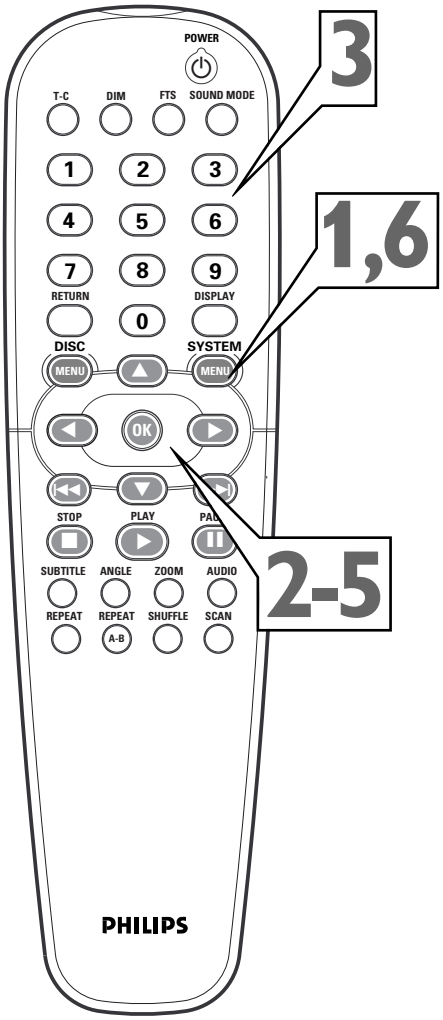
Helpful Hint

- *The rating numbers compare to standard U.S. movie ratings as follows:*
  7 - NC-17
  6 - R
  4 - PG-13
  3 - PG
  1 - G

32 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 31.*

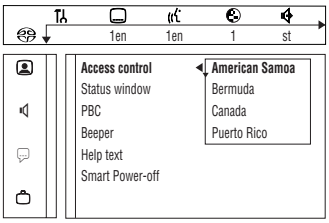


1 **Press SYSTEM MENU .** will be selected.

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

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

4 **Press ▼ repeatedly to select Change country. Press ▶.**



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

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

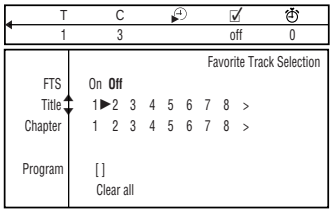
DVD | VIDEO CD

Favorite Track Selection (FTS) lets you play your favorite Titles/Chapters or Tracks/Indexes in the order you select. An FTS Program can contain 20 items (Titles, Chapters, etc.).

Setting a Program

1 **Press FTS while a DVD or Video CD is in the Player.**
☑ Favorite Track Selection will be selected in the System Menu Bar.

2 **Within five seconds, press ▼ repeatedly to select the Title or Track line in the FTS menu, then press ▶ or ◀ to select a Title/Track number you want.**
To put the entire Title/Track in the Program, press OK.
(The Title/Track number will show in the Program line.)
To put only a Chapter/Index in the Program, go to step 3.

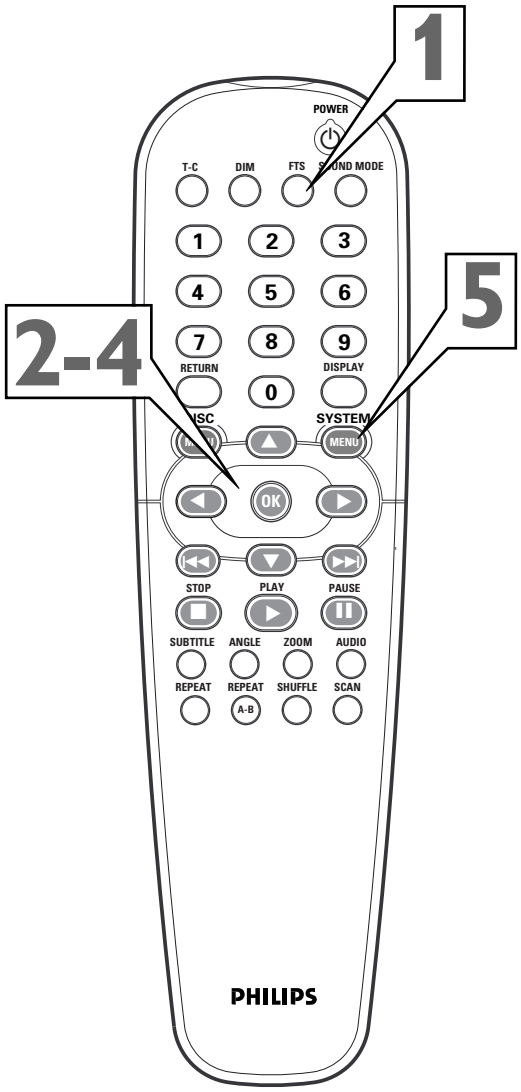


DVD example

3 **To play only a certain Chapter/Index within a Title/Track, press ▼ to select the Chapter or Index line. Press ▶ or ◀ to select a Chapter/Index number, then press OK.** The Title/Chapter or Track/Index number will show in the Program line. Continue steps 2-3 until you enter all the Chapters/Indexes/Titles/Tracks you want.
If you have an incorrect Title/Track/Chapter/Index in the Program, press ▲ or ▼ to select the Program line, then press ▶ or ◀ to select the Title/Track/Chapter/Index you want to erase, then press OK.

4 **Press ▲ to select FTS, then press ▶ or ◀ to choose On or Off. Then press OK.** If you choose Off, playback will continue from its current point. If you select On, the Program will begin playing as you specified.
If you want to erase the Program instead, press ▼ repeatedly to select Clear all, then press OK.

5 **Press SYSTEM MENU to remove the System Menu Bar.**



Helpful Hints

- *If FTS is On, the Program may play each time you start playing the disc. Erase the Program as described in step 4 to play the Disc normally again.*
- *If you have set an FTS Program, ☑ Favorite Track Selection in the System Menu Bar will turn On or Off each time you press FTS on the remote control.*
- *Not all Discs will allow you to set an FTS Program. This is not a fault of the Player.*

34 Audio Programming (FTS)

AUDIO CD

An Audio CD Favorite Track Selection (FTS) lets you play your favorite Tracks in the order you set. An FTS Program can contain 20 Tracks.

Setting a Program

1 **Put an Audio CD in the Player. Press STOP ■ to stop playback if necessary.**

CD				Audio Disc Mode
Stop	Track	Time	Total tracks	Total time
■	--	-.--.--	14	0.43.49

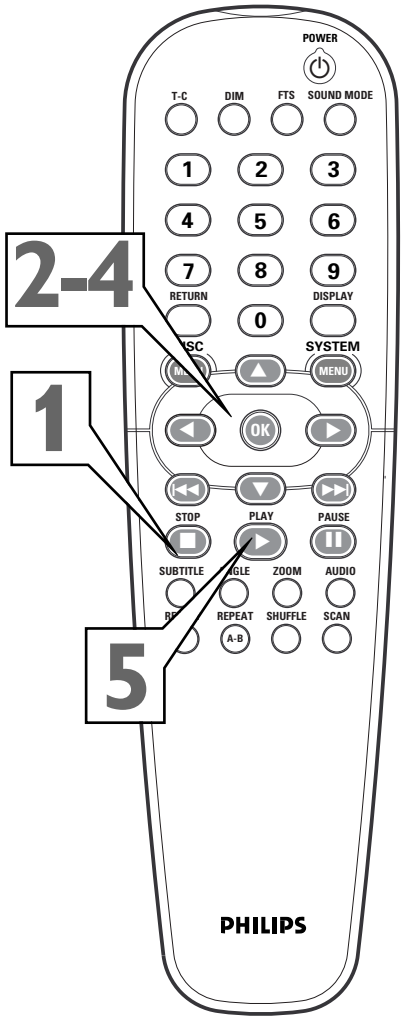
FTS On **Off**
Track 1 2 3 4 5 6 7 8 >
Program
Clear all

2 **Press ▼ to select the Track line in the FTS menu.**

3 **Press ▶ or ◀ to select a Track number, then press OK.** The selected Track will show in the Program line.
Repeat step 3 until you add all the Tracks you want.
To erase a Track from the Program, press ▼ to select the Program line, then press ▶ or ◀ to select a Track number, then press OK. The Track will disappear from the Program.

4 **Press ▲ or ▼ to select the FTS line, then press ▶ or ◀ to choose On or Off, then press OK.**
To erase the Program, press ▼ to select Clear All, then press OK.

5 **Press PLAY ▶ to start playback.** If you set FTS to On at step 4, the Program will play. If you set FTS to Off at step 4, Tracks will play in normal order when you resume playback.



Helpful Hints

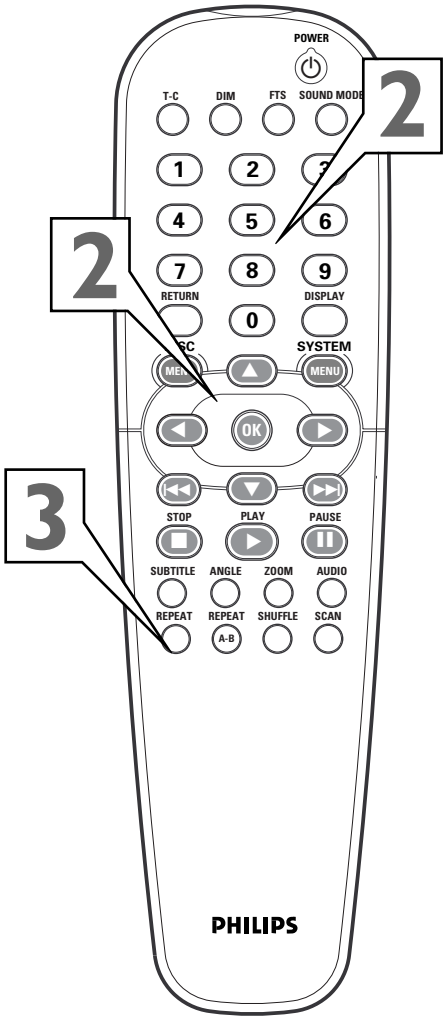
- *You also can select Track numbers by pressing the Number buttons, then OK at step 3.*
- *If FTS is On, the Program may play each time you start playing the Disc (even if you turn off the Player's power). Erase the Program or turn off FTS as described at step 4 to play the Audio CD normally again.*
- *You cannot set an FTS Program for SACDs and MP3.*

MP3 is a compression method that makes digital music files up to 10 times smaller without losing significant sound quality. MP3 is common on the Internet, letting you transfer Tracks to your computer and onto a CD Recordable or CD Rewritable disc. Materials and equipment with which to make MP3 recordings are not supplied with this Player.
MP3 files are recorded at a certain bit rate or speed. Slower bit rates (32 kbps or 64 kbps) let you record more using less Disc space, but have the lowest sound quality. Faster bit rates (256 kbps or 320 kbps) provide better sound quality but use a lot of Disc space. The average bit rates (96 kbps or 128 kbps) provide CD-like quality and are most recommended. Keep these characteristics in mind when making Discs that you intend to play on this Player.

This Player supports the following characteristics of MP3 files:
- File names ending in .mp3
- Names of Albums, Artists, etc., with a maximum of 30 characters
- Maximum nested directory of eight levels
- Sampling frequencies: 32 kHz, 44.1 kHz, 48 kHz
- Bit-rates: 32-256 kbps
- The first session of multisession discs

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

Before playing MP3 files...
- Connect the Player to your Stereo or TV using the red and white AUDIO OUT or FRONT MULTICHANNEL AUDIO OUT jacks. *Details are on pages 9-13*. You will not have sound during MP3 playback if you connect the Player using the DIGITAL AUDIO OUT jacks (COAXIAL or OPTICAL).



Playing MP3 files

1 **When you insert a Disc with MP3 files, the first Track of the first Album will begin to play automatically.** It may take the Player several seconds to recognize the Disc.
MP3 text may appear on the TV screen or the Player's display panel. This could be the song title, artist name, track number, etc., depending on how you recorded the MP3 files. To access or remove the MP3 text, press DISPLAY.

2 **Press ▲ or ▼ to scroll through the available Albums.**
Press ▶ or ◀ to scroll through the Tracks.
Or, use the Number buttons to select an Album or Track you want to play. When playback is stopped, use the Number buttons to select an Album. During playback, use the Number buttons to select a Track.

3 **To play a Track, Album, or Disc repeatedly, press REPEAT repeatedly during playback.**
- Press REPEAT once to play a Track repeatedly.
- Press REPEAT again to play an Album repeatedly.
- Press REPEAT again to play an entire Disc repeatedly.
- Press REPEAT again to cancel repeat playback and resume regular playback.

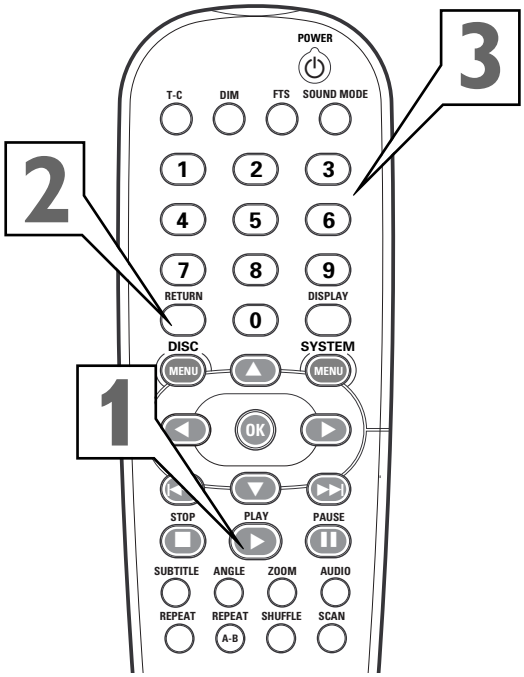
Helpful Hint

- *Only the following options are available for MP3 files: Stop, Play, Pause, Skip Next/Previous, and Repeat Track/Album/Disc.*

VIDEO CD

Activating 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.

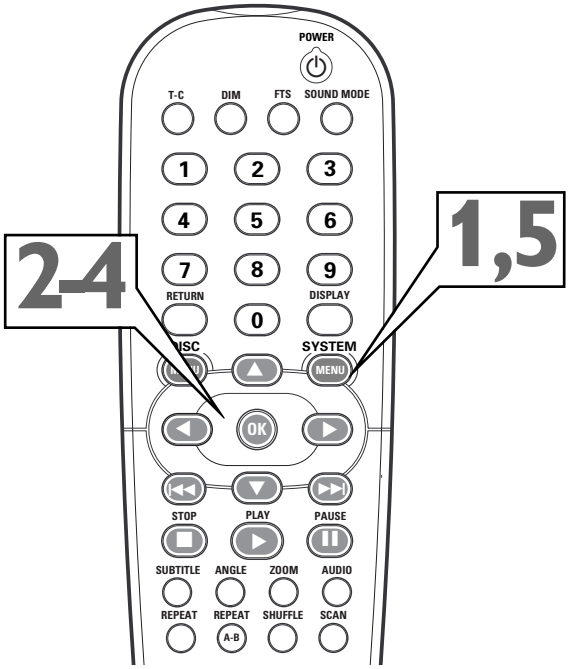


1 **Load a Video CD with PBC and press PLAY ▶.** The Video CD will show instructions or options on the TV screen. Use the Player's remote control buttons as directed by the Video CD.

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.**

Turning off PBC

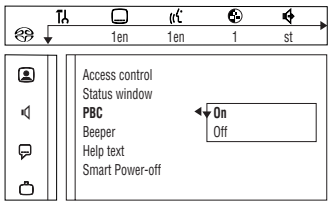


1 **Press SYSTEM MENU.** will be selected.

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

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

4 **Press ▼ or ▼ to choose On or Off, then press OK.**



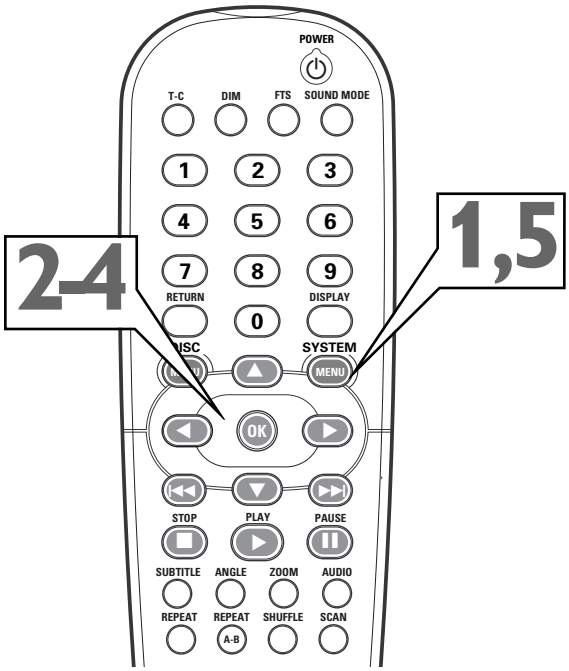
5 **Press SYSTEM MENU to remove the menus.**

Helpful Hint

- *If a Video CD will not play, set Playback Control to Off.*

TV System (NTSC/PAL)

DVDs are recorded according to a color system, the most common of which are NTSC and PAL. NTSC is the most common in the United States. This Player is compatible with NTSC and PAL. Your TV also operates according to a color system.
In order for a DVD to play on this Player, the color system of the DVD, the TV, and the Player should match. If all three are not the same, the DVD may play in only black and white, the picture may roll continuously, or the picture may appear distorted. This feature allows you to set the Player to match the color systems of your DVDs and your TV.

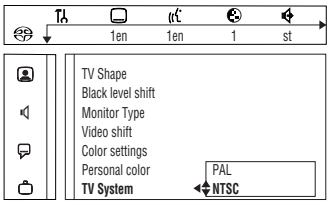


1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▼ repeatedly to select TV System, then press ▶.**

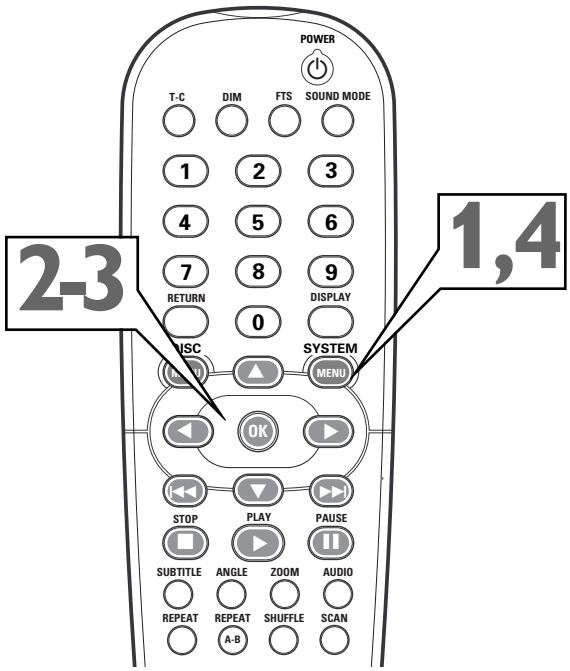
4 **Press ▲ or ▼ to choose PAL, NTSC, or Auto.** Choose NTSC if your TV is NTSC-compatible and your DVDs are recorded in NTSC. Choose PAL if your TV is PAL-compatible and your DVDs are recorded in PAL. Choose Auto if your TV is compatible with both NTSC and PAL and you want the Player to automatically select the color system of the current DVD.



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

Black Level Shift

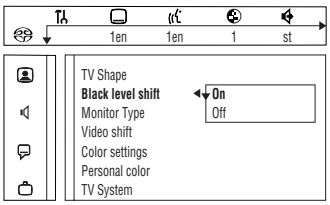
If you set the Player to NTSC, set Black level shift to On. This will improve the color contrast during Disc playback. Black level shift has no effect if the Player is set to PAL.



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

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

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

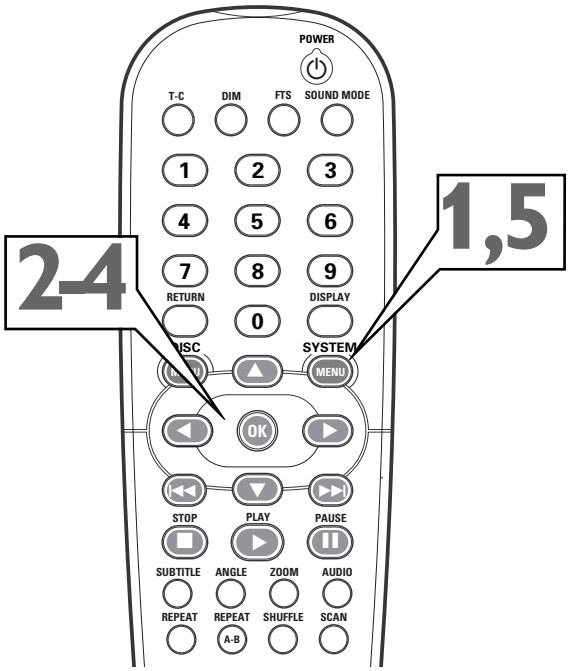


4 **Press SYSTEM MENU to remove the menu.**

38 Video Shift, TV Shape

Video Shift

Use this feature to center the picture on your TV screen, or "shift the video" from left to right.

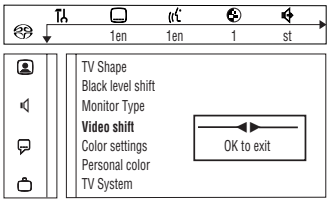


1 **Press SYSTEM MENU.** will be selected.

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

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

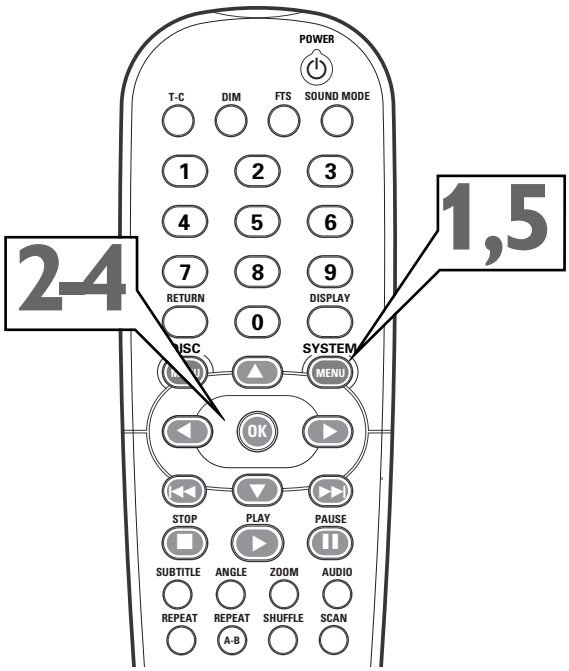
4 **Press ◀ or ▶ to center the picture on your TV screen. When you are satisfied with the adjustments, press OK.**



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

TV Shape

You may set the Player to display the DVD picture in one of three formats: Letterbox, Pan & Scan, or Wide. The TV Shape you select must be available on the DVD. If not, TV Shape settings will not affect the picture.



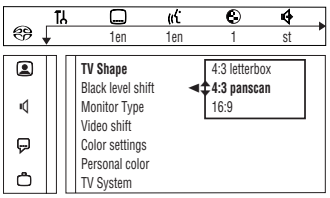
1 **Press SYSTEM MENU.** will be selected.

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

3 TV Shape will be selected. **Press ▶.**

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

- 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. This setting is possible only if the DVD contains letterbox material. The DVD case may say the DVD is in Letterbox or Widescreen format.
- 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. This setting is possible only if the DVD contains pan & scan material. Check the DVD case for details.



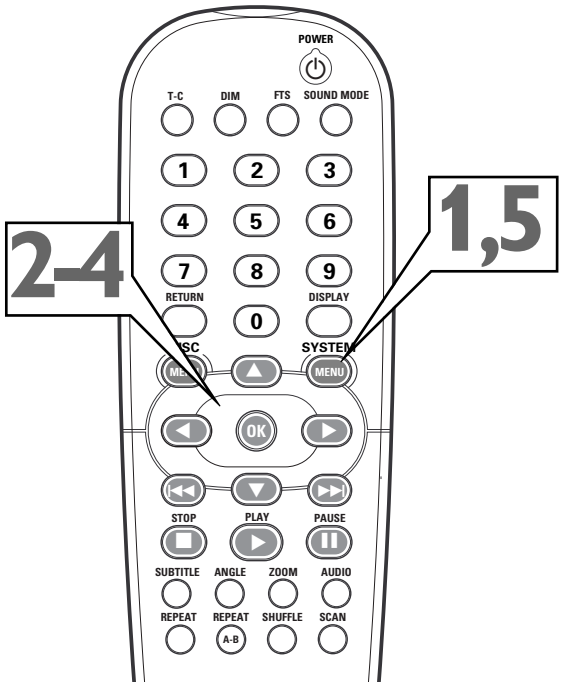
5 **Press SYSTEM MENU to remove the menus.**

Helpful Hint

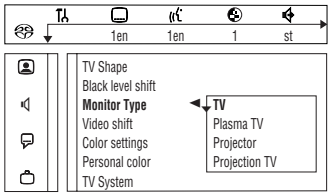
- *Some widescreen TVs may show only part of the Player's System Menu. This is not an error of the Player settings. Adjust the screen mode on your TV. See your TV owner's manual for details.*

Monitor Type

Adjust the Monitor Type setting according to the type of television you connected to the Player.



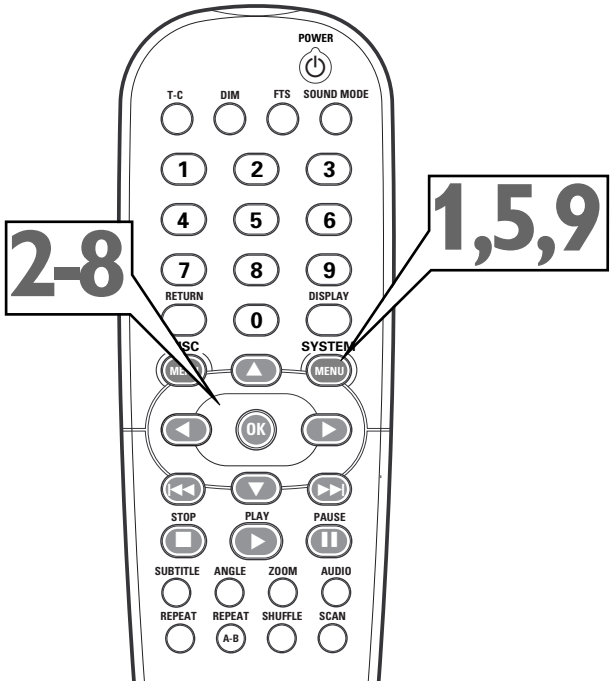
1. **Press SYSTEM MENU.** will be selected.
2. **Press ▼ to select , then press ▶.**
3. **Press ▼ repeatedly to select Monitor Type. Press ▶.**
4. **Press ▲ or ▼ to choose TV, Plasma TV, Projector, or Projection TV, then press OK.**



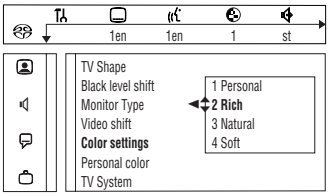
5. **Press SYSTEM MENU to remove the menus.**

Color Settings (Smart Picture)

You can select predefined color settings or make your own Personal color settings. Although similar to adjusting Brightness, Contrast, etc., on your TV, these settings affect the picture the Player sends 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 OK.** 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 finish, press SYSTEM MENU.**

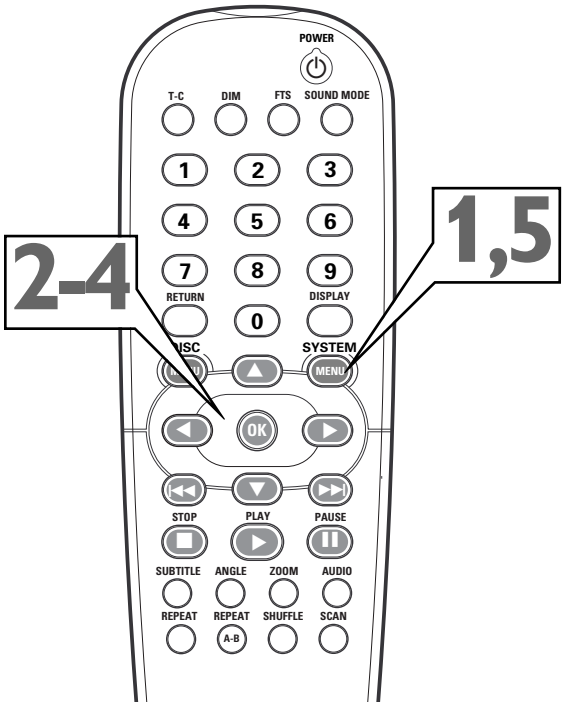
Helpful Hint

- *You can select Color Settings in the System Menu Bar. Press SYSTEM MENU, then press ▶ to choose . Press ▲ or ▼ to choose a color setting number. Press SYSTEM MENU repeatedly to remove the System Menu Bar.*
  Or, repeatedly press SMART PICTURE on the front of the Player to choose a Color Setting number in the System Menu Bar.

40 Digital Output, PCM Output

Digital Output

Adjust Digital output if you used one of the Player's DIGITAL AUDIO OUT jacks (COAXIAL or OPTICAL) to connect the Player to a Stereo.



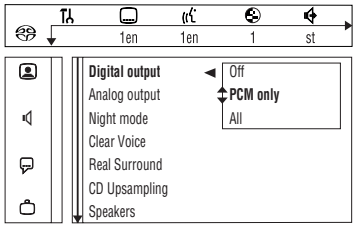
1 **Press SYSTEM MENU.** will be selected.

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

3 Digital output will be selected. **Press ▶.**

4 **Press ▲ or ▼ to select Off, PCM only, or All. Press OK.**

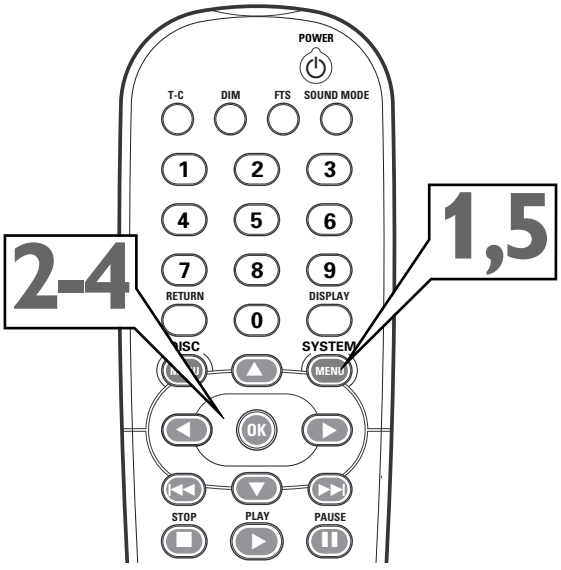
- Select Off if you did not use the DIGITAL AUDIO OUT (COAXIAL or OPTICAL) jacks in your connections.
- Select PCM only if you used the DIGITAL AUDIO OUT (COAXIAL or OPTICAL) jacks of the Player for connections, but the Stereo does not include a built-in digital multichannel Decoder. Adjust PCM Output if necessary as described below.
- Select All if you used one of the Player's DIGITAL AUDIO OUT jacks (COAXIAL or OPTICAL) to connect the Player to a Stereo that has a built-in multichannel Decoder. *Details are on page 14.* All is the preset factory setting.



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

PCM Output

Discs are recorded in a certain sampling rate. The higher the sampling rate, the better the sound quality. Some Discs are recorded in a high sampling rate of 96 KHz, while most are recorded at 48 KHz.
You need to adjust PCM output only if you used the DIGITAL AUDIO OUT (COAXIAL or OPTICAL) jacks of the Player.

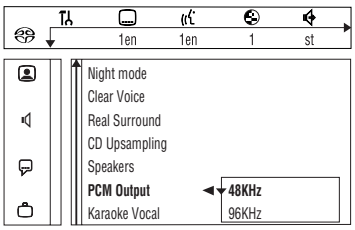


1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▼ repeatedly to select PCM Output, then press ▶.**

4 **Press ▲ or ▼ to select 48 KHz or 96 KHz.** Select 96 KHz if you are playing a Disc recorded in PCM 96 KHz. Otherwise, select 48 KHz.

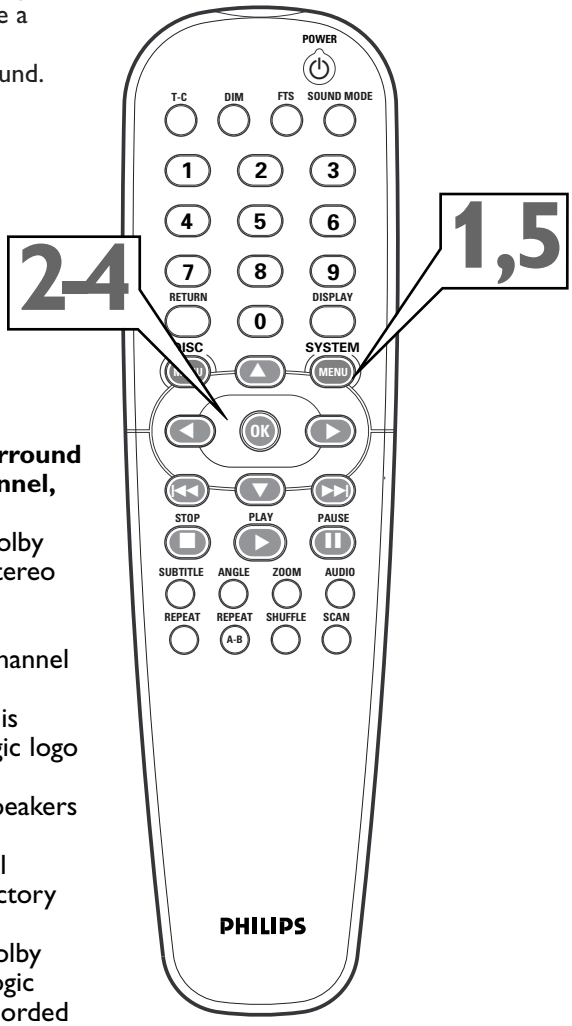


5 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *For copy protected (CSS) discs, digital output will be downsampled to 48kHz, if PCM output is set to 96kHz.*
- *PCM is Pulse Code Modulation.*

If you connected the Player's red and white AUDIO OUT or FRONT MULTICHANNEL AUDIO OUT jacks to a Stereo as shown on page 13, or if you connected the Player to a six-channel Receiver as shown on page 15, choose a setting for Analog Output.
Check your Stereo or Receiver and see if it is compatible with Dolby Surround. Then, follow these steps to choose the Analog Output setting that is most compatible with your equipment.



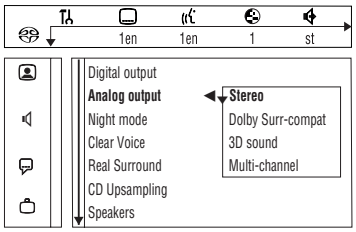
1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▼ to select Analog output, then press ▶.** Analog output may be selected already. If so, just press ▶ to continue.

4 **Press ▲ or ▼ to select Stereo, Dolby Surr-compat (Dolby Surround compatible), 3D sound (surround sound effect), or Multi-channel, then press OK .**

- Select Stereo if your audio equipment is not compatible with Dolby Surround, or if you connected the Player to a TV only or to a Stereo with Right/Left Audio In jacks. When you play Discs that were recorded in Dolby Digital 5.1, the sound will be mixed into the appropriate Stereo sound that will be acceptable by your two-channel TV or Stereo.
- Select Dolby Surr-compat (surround compatible) if your Stereo is compatible with Dolby Surround. If it is, usually a Dolby Pro Logic logo will appear on the equipment.
- Select 3D Sound if you did not connect any rear or surround speakers to the Player, but still want the effect of surround sound.
- Select Multi-channel if you connected the Player to a six-channel Receiver as described on page 15. Multi-channel is the preset factory setting.
  The Multi-channel setting means the Player's sound will be in Dolby Digital 5.1 or DTS **when available on the Disc**. Dolby Pro Logic decoding will be available on DVDs or Video CDs that were recorded in Stereo. Dolby Pro Logic decoding is not available with SACDs.



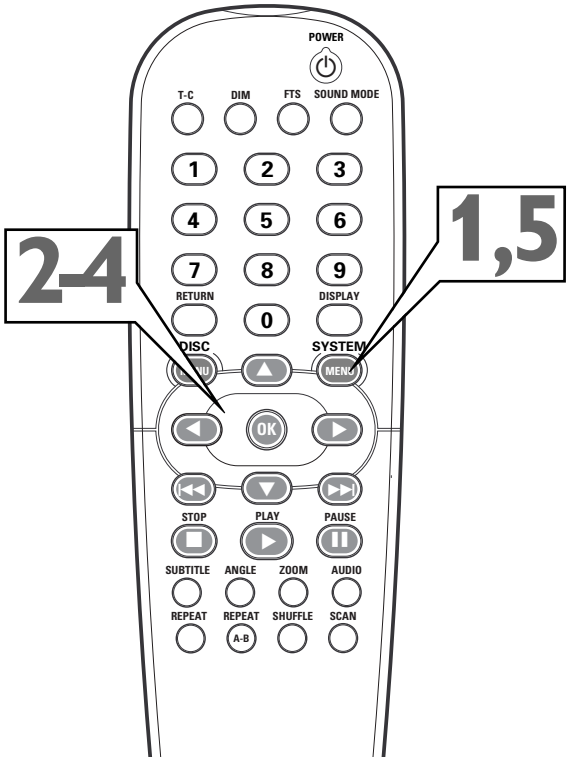
5 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *Multi-channel (six-channel) sound will be heard only if the Disc is recorded in Dolby Digital 5.1 or DTS. Check the Disc case for details on DTS or Dolby Digital 5.1 availability.*
- *Set Analog output simply in the System Menu Bar during DVD or Video CD playback. Press SOUND MODE to select . Within five seconds, press ▲ or ▼ to select st, sur, 3d, or 6ch.*
- *If you set Analog output to Multi-channel, adjust the speakers as described on page 45.*
- *Multi-channel and Stereo sound cannot be available at the same time.*

Clear Voice

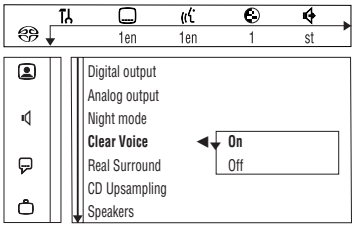
Clear Voice is a Philips-unique dialog enhancer. Turn on Clear Voice to enhance the clarity of Disc dialog (characters' speech and voice) and to position the speech toward the center of your listening space.
Clear Voice is available only when Analog Output is set to Multi-channel and only if the Disc is recorded in Dolby Digital 5.1 or DTS. *Analog output details are on page 41.*



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

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

3 **Press ▼ repeatedly to select Clear Voice, then press ▶.**



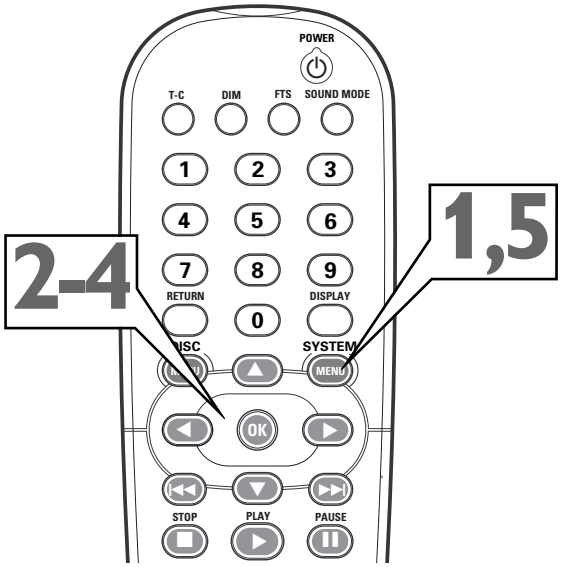
4 **Press ▲ or ▼ to select On or Off, then press OK.**

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

Real Surround

Real Surround provides multi-channel sound during playback of Audio CDs, MP3 files, or Video CDs. You can use Real Surround to create an actual surround sound effect from your Audio CD, Video CD or MP3 discs, even though they are originally recorded in Stereo. The sound will come from the MULTICHANNEL AUDIO OUT jacks at the rear of the player.

- Before you begin, make sure you connected the DVD Player to a six-channel Receiver. *(Details are on page 15.)*
- Before you begin, set Analog output to Multi-channel. *Details are on page 41.*

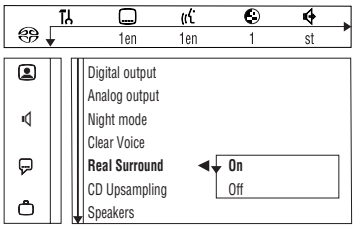


1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▼ repeatedly to select Real Surround. Press ▶.**

4 **Press ▲ or ▼ to select On or Off, then press OK.**
Choose On if you want to hear Discs in multi-channel sound. Choose Off if you want to hear Audio CDs, Video CDs, and MP3 files in true Stereo (hearing only the left and right channels) as they were originally recorded.

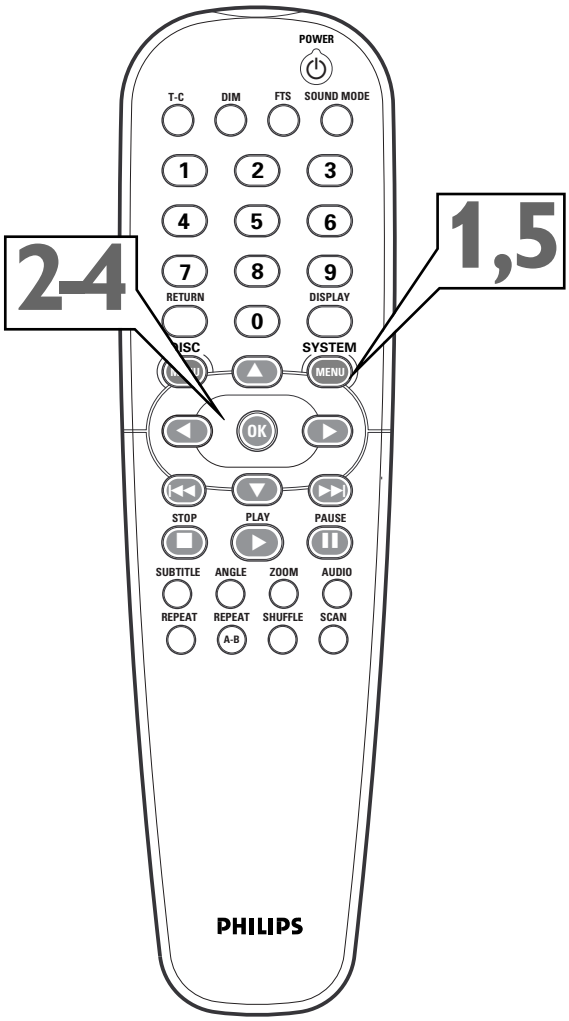


5 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *Clear Voice is not available for SACD discs.*
- *The Clear Voice (dialog enhancer) feature becomes inactive automatically if Real Surround is ON.*

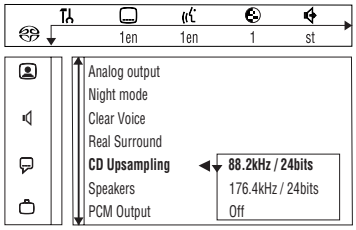
CD Upsampling allows you to upsample your CD from 44.1kHz/16 bit to a higher sampling rate for superior CD sound reproduction. The selections are 88.2kHz/24bits, 176.4kHz/24bits and Off.
Turn Off CD Upsampling to provide a true Stereo sound effect during playback of Audio CDs, MP3 files, or Video CDs.



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

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

3 **Press ▼ repeatedly to select CD Upsampling, then press ▶.**

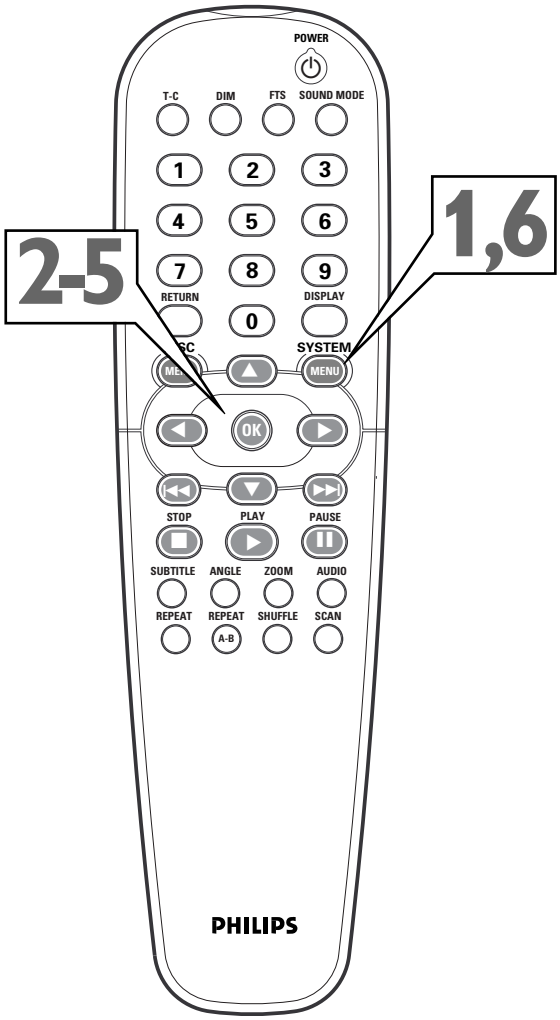


4 **Press ▲ or ▼ to select 88.2kHz/24bits, 176.4kHz/24bits or Off, then press OK.**
Choose 88.2kHz/24bits or 176.4kHz/24bits if you want to hear Discs in higher sampling rate.
Choose Off if you want to hear Audio CDs, Video CDs, and MP3 files in true Stereo (hearing only the left and right channels) as they were originally recorded.

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

44 Speaker Settings

The Player lets you adjust the speaker settings, volume balance, and delay time for your audio system. You only need to adjust the speaker settings if you used the Player's MULTICHANNEL AUDIO OUT jacks to connect the Player to a six-channel Receiver (Dolby Digital or DTS) as shown on page 15.

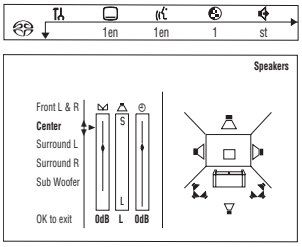


1 **Press SYSTEM MENU.** will be selected.

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

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

4 **Press ▲ or ▼ to select the speaker you want to adjust, then press ▶.** You can select Front L & R (left and right), Center, Surround L (left), Surround R (right), or Sub Woofer. The speaker you selected will be highlighted in the illustration at the right of the screen.



5 **Press ▶ or ◀ to select , , or . Then, press ▲ or ▼ to adjust the chosen setting. When you are finished, press OK to go back and select a different speaker.** Repeat steps 4-5 until you are satisfied with all the speaker settings.

- Choose to increase or decrease the volume of the speaker.
- Choose to adjust the frequency capabilities of your speakers.

Select L (large) if the chosen speaker can handle low frequency signals below 120 Hz. Select S (small) if the speaker can not reproduce low frequency signals below 120 Hz. Select (off) if you did not connect that speaker. Your choice will appear below the bar at the bottom of the screen. See your speakers' literature for details on speaker capability.

- Choose to adjust the speaker delay time. You can adjust the delay time for only the Center and Surround speakers.

If the surround speakers are about 150 centimeters nearer to the listening position than the front speakers, and the center speaker aligns with the front speakers, no adjustment is needed.

If your speaker setup is different, adjust the delay times. First, measure the distance, in centimeters, from the front speaker to the listening position and from the surround speaker to the listening position. Subtract the surround distance from the front distance, then divide by 30. The result is the Surround speaker delay time in milliseconds.

You may choose 0 ms, 5 ms, 10 ms, or 15 ms in the column for Surround L and Surround R. Press ▲ or ▼ to choose the delay time in the column for Surround L and Surround R that is closest to the delay time you calculated in milliseconds (ms).

Or, if the Center speaker is closest to the listening position, measure the distance (in centimeters) between the Front and Center speakers, then divide by 30. The result is the Center speaker delay time in milliseconds. Press ▲ or ▼ to select this delay time in milliseconds (ms) in the column for Center. You may choose 1-5 ms.

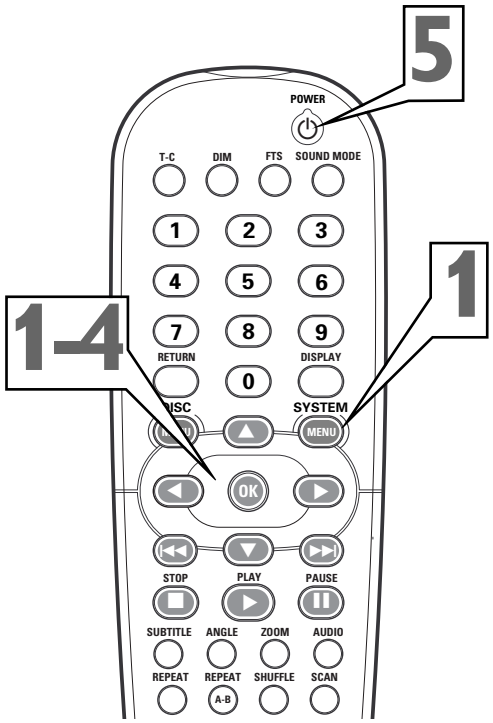
6 **Press SYSTEM MENU to remove the menus.**

Helpful Hints

- *For the Subwoofer, you cannot adjust the frequency capabilities. Simply choose (On) or (Off) to identify whether you connected a subwoofer ( ) or not ( ).*
- *Your audio system may refer to the Surround speakers as the rear speakers.*

Wake-up Timer

The Wake-up Timer turns on the Player within an amount of time you select.



1 **Press SYSTEM MENU. Press ▶ repeatedly to select ⏲ in the System Menu Bar.**

2 **Press ▼, and 600 will appear beneath ⏲,** indicating the maximum number of minutes after which the Player will turn on.

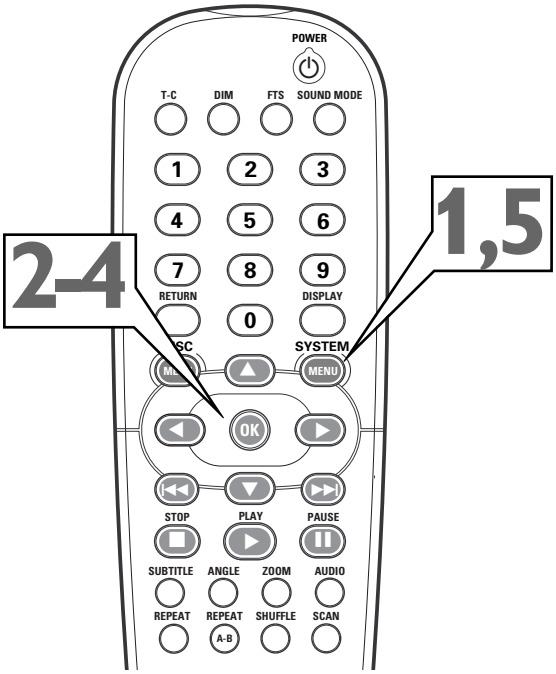
3 **Press ▲ or ▼ repeatedly to select an amount of time,** which varies from 30 minutes to 600 minutes in 30-minute increments.

4 **Press OK to confirm your choice.**

5 **Press POWER ⏻ to turn off the Player.** The Player will turn on automatically at the time you selected. Disc playback may begin automatically and the unit may beep for a few seconds. Pressing any button on the Player or its remote control will cancel the Wake-up Timer.

Night Mode

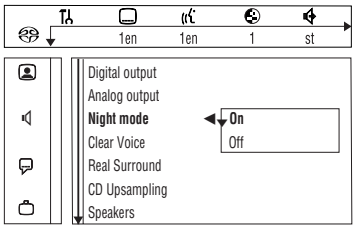
Turn on Night mode to soften the high volume output.



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

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

3 **Press ▼ repeatedly to select Night mode, then press ▶.**



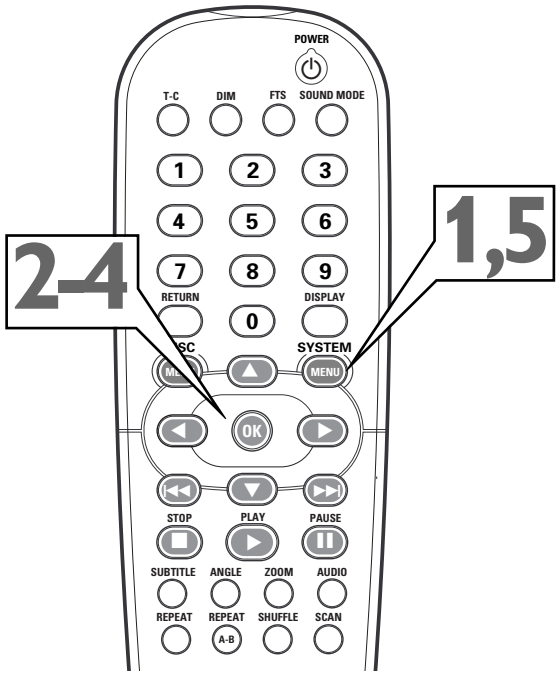
4 **Press ▲ or ▼ to select On or Off, then press OK.**

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

46 Karaoke Vocal, Language

Karaoke Vocal

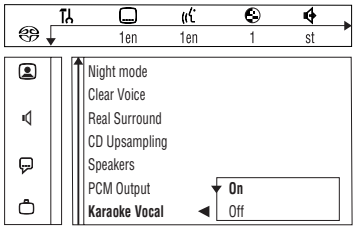
Turn on Karaoke Vocal when you are playing a Disc that has multiple karaoke channels. For example, perhaps lyrics are recorded on one channel, while the music is on a separate channel. Set Karaoke Vocal to On so the multiple channels will mix together, allowing you to hear both the lyrics and the music together in 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 ▶.**

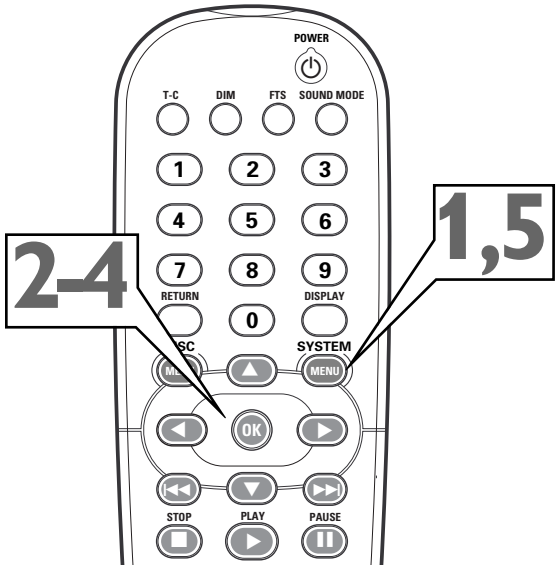


4 **Press ▲ or ▼ to select On or Off, then press OK.**

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

Language

Select a different language for the Player's System Menu, a DVD's Audio soundtrack, or a DVD's Subtitles. Multiple Audio or Subtitle languages must be available on the DVD.

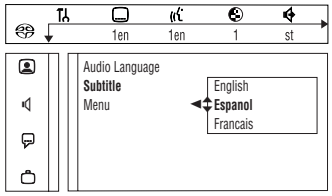


1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▲ or ▼ to select Audio Language (DVD), Subtitle (DVD), or Menu (Player's System Menu), then press ▶.**

4 **Press ▲ or ▼ to select the language you want from the available languages, then press OK.** The Subtitle and Audio changes will be effective only if the language is available on the current DVD. For the Player's System Menu language, you may choose only English, Spanish, French, Português (Portuguese), Chinese, and Bahasa Melayu (Malay).



Subtitle example

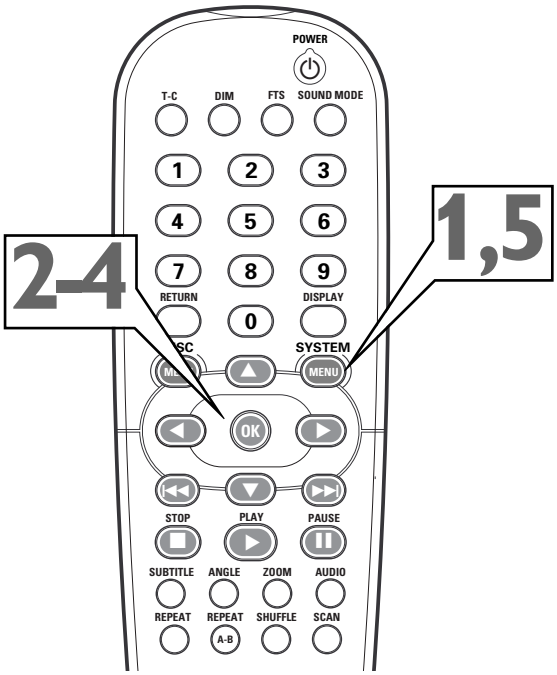
5 **Press SYSTEM MENU to remove the menus.**

Helpful Hint

- *If you accidentally set the Player's System Menu language to something other than English and need English, follow steps 1-2 for Language. At step 3, press ▼ to select the third item down in the list (Menú or Menu, for example), then press ▶. Press ▲ to choose English, then press OK. Press SYSTEM MENU to remove the menus.*

Smart Power-off

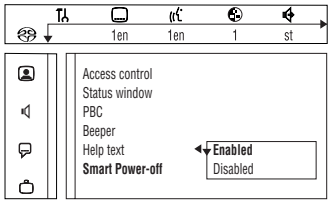
If Smart Power-off is enabled, the Player's power will turn off if Disc playback stops and you do not use the Player or its remote control for 20 minutes.



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

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

3 **Press ▼ repeatedly to select Smart Power-off. Press ▶.**

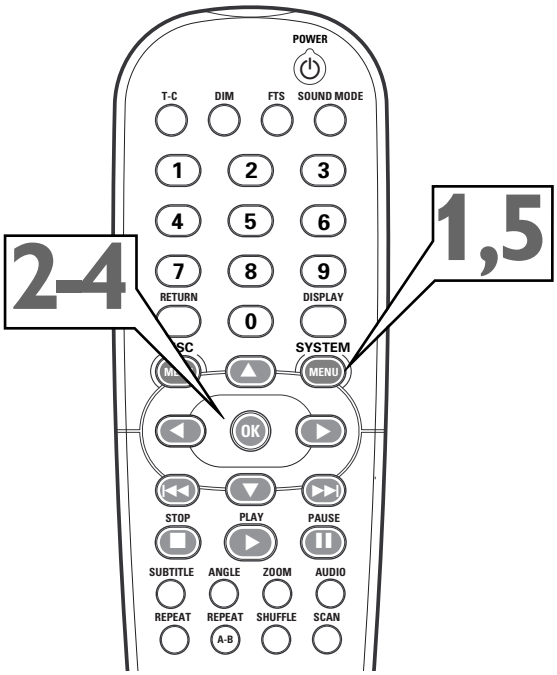


4 **Press ▲ or ▼ to choose Enabled or Disabled, then press OK.** Choose Enabled if you want the Player to turn itself off after 20 minutes of non-use. Choose Disabled if you want the Player to remain on, even when not in use for over 20 minutes.

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

Beeper

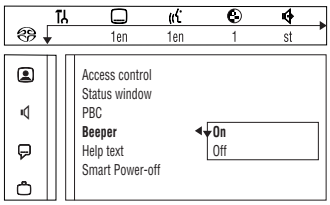
The Player will beep quietly each time you press a button on the Player or its remote control. You can turn the Beeper off or on by following these steps.



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

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

3 **Press ▼ repeatedly to select Beeper. Press ▶.**



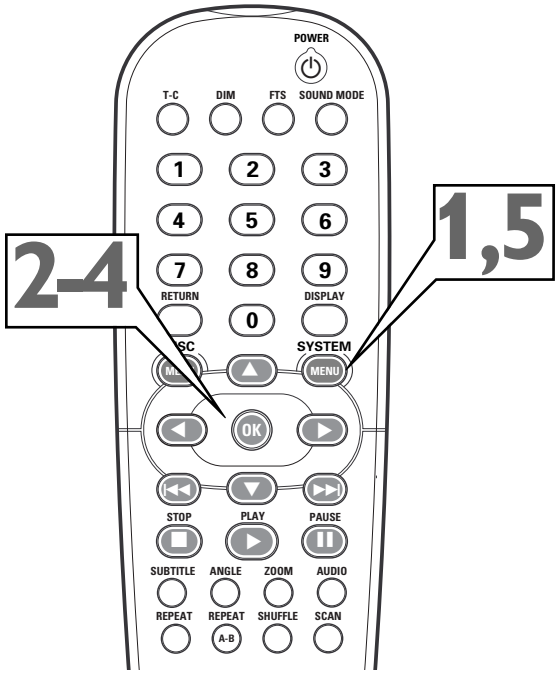
4 **Press ▲ or ▼ to choose On or Off, then press OK.**

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

48 Status Window, Help Text

Status Window

The Status window (example below) may indicate when the disc tray is opening or closing, what type of Disc is installed, and total or remaining Disc playback time.
To set Status window to On or Off, follow these steps.

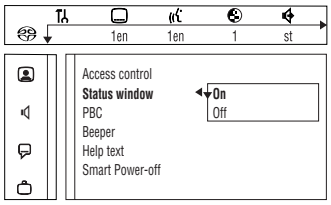


1 **Press SYSTEM MENU.** will be selected.

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

3 **Press ▼ to select Status window, then press ▶.**

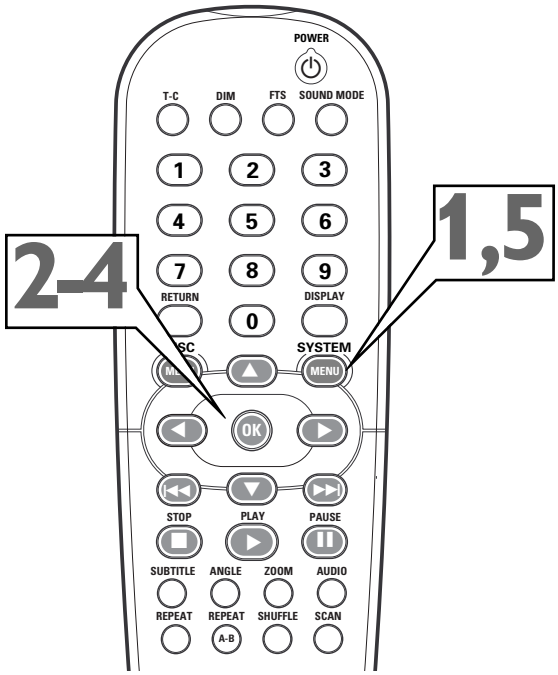
4 **Press ▲ or ▼ to choose On or Off, then press OK.**



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

Help Text

Set Help text to On if you want to see a brief description of the System Menu Bar symbols. When you select an item in the System Menu Bar, an explanation will appear at the bottom of the TV screen.

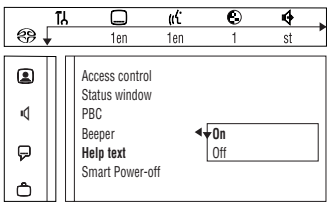


1 **Press SYSTEM MENU.** will be selected.

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

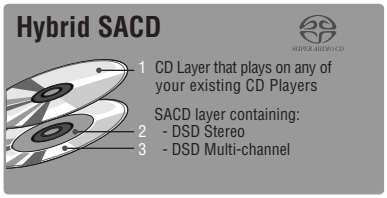
3 **Press ▼ repeatedly to select Help text, then press ▶.**

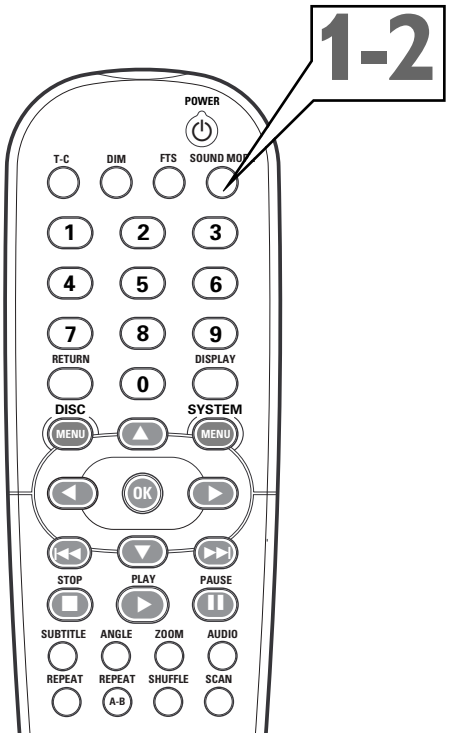
4 **Press ▲ or ▼ to choose On or Off, then press OK.**



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

There are three types of Super Audio CDs: single-layer, dual-layer, and hybrid. Each may contain two areas of recorded audio or sound modes: High Quality Stereo and High Quality Multi-channel.
A single-layer SACD may contain both Stereo and Multi-channel. A dual layer SACD may contain both Stereo and Multi-channel, but twice the amount.
Hybrid SACDs have two layers, the CD and SACD layers. Within the SACD layer are the SACD Stereo area and the SACD Multi-channel area. If you have a hybrid SACD, you need to choose the layer/sound mode you want to play - CD, SACD Stereo, or SACD Multi-channel. Follow these steps to choose a Sound Mode.





1 Hybrid SACDs have two layers, the CD layer and the SACD layer. You can switch between the CD layer and the SACD layer when playback is stopped.
Press SOUND MODE. ◔ Sound Mode will be selected in the System Menu Bar. **Press SOUND MODE repeatedly to choose cd (the CD layer), st (SACD Stereo), or mch (SACD Multi-channel).**
You cannot switch between the CD and SACD layers during playback.

2 **If you selected st (SACD Stereo) or mch (SACD Multi-channel), during SACD playback press SOUND MODE to switch between st and mch.** The layer you select will play.
The Sound mode will appear on the TV screen: SA6 (SACD Multi-channel or six channels); SA2 (SACD Stereo or two channels, right and left); or CD (CD layer).

Helpful Hints

- *If you do not specify the Sound Mode you want, the Player will play an SACD layer of a hybrid SACD.*
- *If you select SACD Multi-channel and it is not available on the current SACD, the Player will automatically play the SACD Stereo layer instead.*
- *If an SACD was recorded with text, the text will appear on the Player's display panel and the TV screen automatically. To access or remove the text, press DISPLAY. If the SACD has no text, NO TEXT will appear briefly on the display panel when you press DISPLAY.*
- *Select multi-channel if you connected the Player to a six-channel Receiver as described on page 15.*

Specifications

CABINET

Dimensions (w x h x d):	17.13 x 3.05 x 11.95 inches (435 x 77.5 x 303.5 mm)
Weight:	Approximately 6.8 lbs (3.1 kg)

POWER SUPPLY

Power supply	120V, 60 Hz
Power consumption	Approximately 23W
Standby power consumption	<1W

TV STANDARD	PAL/50Hz	NTSC/60Hz
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

VIDEO OUT	1 Vpp---75Ω
S-VIDEO OUT	Y: 1 Vpp---75Ω; C: 0.3 Vpp---75Ω
Y Pr/Cr Pb/Cb	Y: 1 Vpp---75Ω; Pr/Cr and Pb/Cb: 0.7 Vpp---75Ω

AUDIO PERFORMANCE (TYPICAL)

DA Converter	24 bit	
Signal to Noise (1kHz)	100dB	
Dynamic range (1kHz)	100dB	
Crosstalk (1kHz)	105dB	
Total Harmonic Distortion (1kHz)	97dB	
MPEG MP3	MPEG Audio L3	
DVD	fs 96 kHz	4 Hz -44 kHz
Video CD/Audio CD	fs 44.1 kHz	4 Hz -20 kHz
Super Video CD	fs 48 kHz	4 Hz -22 kHz
	fs 44.1 kHz	4 Hz -20 kHz

AUDIO FORMAT

Direct Stream Digital/Multichannel/Stereo/MPEG/Compressed Digital	
Dolby Digital	16, 20, 24 bits
DTS/PCM	fs 44.1, 48, 96 kHz
MP3 (ISO 9660)	96, 112, 128, 256 kbps and variable bit rate fs 32, 44.1, 48kHz

SACD AUDIO PERFORMANCE

DA Converter	Direct Stream Digital
Signal to Noise (1kHz)	105dB
Dynamic range (1kHz)	105dB
Crosstalk (1kHz)	105dB
Total Harmonic Distortion (1kHz)	97dB
SACD	fs 2.8224 MHz DC 100kHz
Maximum Output Voltage (0dB)	2V rms
Channel unbalance	<0.5 dB
Cut-off frequency (Surround/Center/Subwoofer)	50 kHz (Front) 40 kHz

REAR CONNECTIONS

Pr/Cr Pb/Cb Y Video Out	Cinch (green/blue/red) 480 p/i (progressive scan/interlace)
S-Video Out	Mini DIN 4-pins
CVBS Video Out	Cinch (yellow)
Audio Out	Cinch (white/red, left/right)
Digital Audio Out	1 coaxial, 1 optical IEC958 for Audio CD and LPCM IEC1937 for MPEG1/2/Dolby Digital/DTS/Multichannel Audio Out
Front and Surround	Cinch (white/red, left/right)
Center	Cinch (blue)
Subwoofer (Subwf)	Cinch (black)

LASER

Type	Semiconductor laser GaAlAs
Wavelength	650nm (DVD) 780nm (Video CD/Audio CD)
Output power	7mW (DVD) 10mW (Video CD/Audio CD)
Beam divergence	60 degree

Glossary

Analog: 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 Player that send audio to another system (TV, Stereo, Receiver, etc.).

Bit Rate: The amount of data used to hold 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. Higher bit rates use more Disc space.

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

Component Video Out Jacks: Jacks on the back of the Player that send high-quality video to a TV that has Component Video In jacks or Progressive Scan 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 Out jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

Direct Stream Digital (DSD): Technology used to record SACDs. DSD uses a 1-bit system with a digital sampling frequency 64 times higher than a regular Audio CD, creating a frequency response of over 50 kHz and a 120 dB dynamic range.

Dolby Digital: A surround sound system that provides 5.1 channel sound.

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

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.

OPTICAL Jack: Converts electrical signals into optical signals before sending the audio to the Stereo. Optical audio is not prone to external electrical influences and has less noise. Keep the protective cap on the jack when it 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."

S-Video: Produces a clearer picture by sending separate signals for the luminance and the color. If you connect the supplied 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 Player that sends video to a TV.

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

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 STANDBY-ON on the front of the Player to turn on the Player.
- Connect the Player's power cord firmly to an AC power outlet.
- Make sure the AC outlet has power by trying another appliance in the same outlet.

No picture
- Make sure the TV power is on.
- Check the video cables. Make sure the cable(s) are fastened securely to the 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 Player's blue screen saver on the TV screen.
- You only need one video connection. Refer to page eight to see what connection best suits your situation.
- If you connected the Player to a Progressive Scan TV as described on page 12, set the PROGRESSIVE/INTERLACE switch to PROGRESSIVE. **Otherwise, set the switch to INTERLACE.**

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.
- Set TV System correctly. If your TV uses NTSC, set the Player to NTSC. Likewise, the DVDs must be in NTSC format. *Details are on page 37.*

The picture is distorted or the picture is only black and white.
- TVs are produced to meet NTSC or PAL color system standards. If the Disc's or 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 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 and your Disc. *Details are on pages 7 and 37.*

The sound is distorted during Disc playback through a Stereo.
- Make sure you did not connect any cables from the Player to the Stereo's "PHONO IN" jack.

No sound
- Check the audio connections. *Details are on pages 9-15.* Remember, you only need one audio connection. Refer to page eight to see what connection best suits your situation.
- Make sure cables are connected firmly to all equipment.
- Select another sound source or Auxiliary station at your Stereo or TV. See your Stereo or TV manual for details. Or, just continue selecting the different sound sources or modes on the Stereo or TV until you hear sound from the Disc that is in the Player. *Details are on pages 9-15.*
- Check your Analog output or Digital output settings. Make sure you choose the right setting, based on what equipment you connected to the Player. *Details are on pages 40-41.*
- Make sure your Analog output or Digital output settings match the capabilities of your Stereo or Receiver. *Details are on pages 40-41.*
- When playing MP3 files or SACDs, you will not have sound if you use the DIGITAL AUDIO OUT (COAXIAL or OPTICAL) jacks. Use the red and white AUDIO OUT or FRONT MULTICHANNEL AUDIO OUT jacks instead. *Details are on pages 9-13 and 15.*
- Make sure all the speakers are connected correctly (if applicable). Adjust the speakers if necessary. *Details are on pages 15 and 44.*

52 Helpful Hints (cont'd)

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 29-32.*
- Check the NTSC/PAL settings of the Disc and the Player. *Details are on page 37.*
- Check the Region Code of the Disc. The Disc must be coded for All regions or Region 1 in order to play on this 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 7.*
- Use a commonly available cleaning CD/DVD to clean the lens of the Player.

The Player's blue screen saver does not appear on the TV screen after you remove a Disc.
- Reset the Player by switching it off, then on again.

The Player does not respond to the remote control.
- Aim the remote control directly at the sensor on the front of the Player. *Details are on page 18.*
- Remove any obstacles between the Player and the remote control.
- Move closer to the Player and try using the remote again.
- Inspect or replace the batteries in the remote control.

The buttons on the Player or remote control do not work.
- To reset the Player completely, disconnect the AC power cord from the AC outlet for several minutes. Then reconnect the Player to power again.

The 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 Player cannot create the feature. This is not a malfunction of the 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.

Digital Video Disc Player

90 days Free Product 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 free new or renewed product through Philips.
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.
When it is necessary for you to ship the product to Philips for exchange, you will pay the shipping costs for shipment to Philips. Philips will pay the shipping costs when returning a product to you.

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.
- 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 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. In countries where Philips 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)
1-800-531-0039 (English or Spanish 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.

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 #_____

EXCHANGE INSTRUCTIONS

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 at 1-800-531-0039 to determine the preset cost for exchange.
- If you do not have your original sales receipt, or if you have any questions, call Philips at 1-800-531-0039.

To obtain a replacement product from Philips:

1. Contact Philips 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 Philips at 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 Exchange Program
   Suite A
   406 North Irish Street
   Greeneville, TN 37745
   ATTENTION: DVD EXCHANGE

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

**When it is necessary for you to ship the product to Philips for exchange, you will pay the shipping costs for shipment to Philips. Philips will pay the shipping costs when returning a product to you.*

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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This owner's manual is made of recyclable materials.
Remember to recycle!

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