Digital Video Disc Player
Owner's Manual

DVD615

PHILIPS DVD 615

POWER ON/OFF

DVD
VIDEO

0:00 18

OPEN/CLOSE   STOP   PLAY/PAUSE

DVD VIDEO PLAYER

**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!

REGISTRATION NEEDED WITHIN 10 DAYS • PHILIPS PHILIPS *Hurry!*

Know these
safety*symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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. _____

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.
CET APPAREIL NUMÉRIQUE N'ÉMET PAS DE BRUITS RADIOÉLECTRIQUES DÉPASSANT LES LIMITES APPLICA-BLES DANS LA RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUES ÉDICTÉ PAR LE MINISTÈRE DES COMMUNICATIONS DU CANADA.

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, 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.

WARNING:
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
    1) This device may not cause harmful interference.
    2) This device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT:
This product was FCC verified under test conditions that included use of shielded cables and connectors between system components. Use shielded cables to reduce the possibility of causing interference to radios, televisions, and other electronic devices. If you have any problems, contact your supplier.

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.

Note to Cable TV Installer
This reminder is provided to call the Cable TV system installer's attention to Section 820-40 of the National Electrical Code (NEC), which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
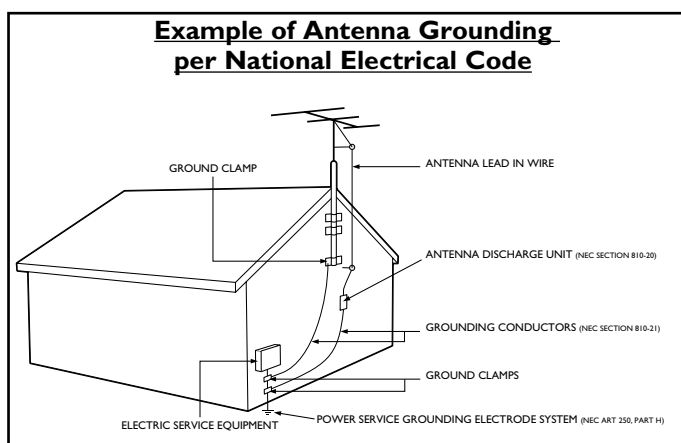
Declaration of Conformity
Model Number: DVD615
Trade Name: Philips
Responsible Party: Philips Consumer Electronics North America
                    P.O. Box 14810, Knoxville, TN 37914-1810
                    (865) 521-4316

IMPORTANT SAFETY INSTRUCTIONS

1. Read instructions. Read all the safety and operating instructions before operating the product.
2. Retain instructions. Keep the safety and operating instructions for future reference.
3. Heed warnings. Adhere to all warnings on the product and in the operating instructions.
4. Follow instructions. Follow all operating and use instructions.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, near a swimming pool, etc.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
9. Move a product and cart combination with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. Ventilation – Slots and openings in the cabinet provide ventilation, ensure reliable operation of the product, and protect it from overheating. Do not block or cover these openings. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. Do not place this product in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13. Power-Cord Protection – Route power supply cords so they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
14. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure at right.
15. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep it from touching such power lines or circuits; contact with them might be fatal.
17. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles. This can result in a risk of fire or electric shock.
18. Object and Liquid Entry – Never push objects of any kind into this product through openings; they may touch dangerous voltage points or short out parts, resulting in a fire or electric shock. Never spill liquid of any kind on the product.
19. Servicing – Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power supply cord or plug is damaged,
    b) If liquid has spilled or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls covered by the operating instructions. An improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way,
    f) When the product exhibits a distinct change in performance. This indicates a need for service.
21. Replacement Parts – When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
22. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
23. Wall or Ceiling Mounting – Mount the product to a wall or ceiling only as recommended by the manufacturer.
24. Heat - Situate this product away from heat sources, such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
25. Battery usage CAUTION - To prevent battery leakage that may result in bodily injury or damage to the unit:
    • Install all batteries correctly, with + and - aligned as marked on the unit.
    • Do not mix batteries (old/new, carbon/alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.

**Example of Antenna Grounding
per National Electrical Code**

GROUND CLAMP

ANTENNA LEAD IN WIRE

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

GROUNDING CONDUCTORS (NEC SECTION 810-21)

GROUND CLAMPS

ELECTRIC SERVICE EQUIPMENT

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

6 Introduction

Welcome!

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

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

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

Features

- Language options for Audio, Subtitles, and Menus*
- MP3 and JPEG File Playback
- Parental Controls*
- Paused/Fast/Slow/Step-by-Step/Zoomed Playback

- Programmed Playback
- Preview*
- Repeat and Repeat A-B Playback
- Screen Saver

* Options must be available on Disc

Package Contents

- DVD Player
- Remote control with two AA batteries
- One audio cable (red and white)
- One composite video cable (yellow)
- This owner's manual and registration materials

Environmental Information

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

Safety Information

- Do not expose the system to excessive moisture, rain, sand, heat, or humidity.
- Place the Player on a firm, flat surface.
- Keep the Player away from domestic heating equipment and direct sunlight.
- When placing the Player in a cabinet, allow about one inch of space all around the Player for ventilation. Leave enough room in front of the Player for the disc tray to open completely.
- If the Player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the Player. If this occurs, the Player will not operate normally. Leave the power on for about one hour with no disc in the Player until normal playback is possible.
- The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
- When the Player is turned off, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.
- Always keep the tray closed to avoid dust on the lens.

Cleaning Discs

- When a Disc becomes dirty, clean it with a cleaning cloth. Wipe the Disc from the center out, in a straight line. Do not wipe the Disc in a circular pattern.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for analog discs.

Playable Discs

This Player will play various types of Discs. Look for these logos on your Discs to determine whether the Disc will play on the Player.

DVD
(Digital Video Disc)
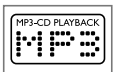
Audio CD
(Compact Disc Digital Audio)

Video CD

Super Video CD

CD-R (CD-Recordable)

CD-RW (CD-Rewritable)

MP3 files

Region Codes

DVDs must meet the requirements for Region Codes before you can use them with the Player. DVDs must be labeled for ALL regions or for Region 1 in order to play on this DVD Player. You cannot play Discs that are labeled for other regions. These symbols must appear on your DVDs or on the DVD case; otherwise 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, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.

Color Systems

Recordings are made according to different color systems throughout the world. The most common color systems are NTSC, which is used primarily in the United States and North America, PAL, and SECAM.

This Player is compatible with NTSC and PAL. Make sure the Discs you play were recorded in NTSC or PAL and your TV is NTSC or PAL compatible. You must set the Player's TV TYPE to be compatible with your TV and the Disc. *Details are on page 36.* The color system of the DVD may appear on the DVD or on the Disc case.

| NTSC | PAL |

8 General Information

Battery Installation

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

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

3 **Replace the battery compartment lid.**
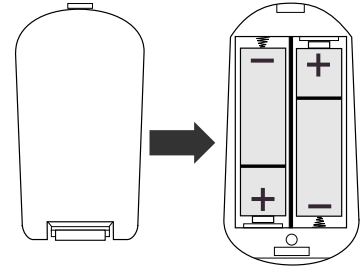
Using the Remote Control
Unless stated otherwise, the remote control can operate all the features of the DVD Player. Always point the remote control directly at the remote sensor on the front of the Player, not the TV. *Details are on page 17.* Make sure there are no barriers between the remote control and the DVD Player.

When referring to this manual, remember...

| DVD | The feature is available on some Digital Video Discs.

| AUDIO CD | The feature is available on some Audio Compact Discs.

| VIDEO CD | The feature is available on some Video Compact Discs or Super Video CDs.

DVD Disc Menus...
Some explanations in this manual describe the DVD Disc Menus, which vary among DVDs. Movie producers set these menus, and not all DVDs have menus. If the DVD has a menu, access the Disc Menu by pressing DISC MENU on the remote control. *Details are on page 19.*

DVD Player Menus...
Some instructions explain how to use the Player's Setup menu to set up features of the Player or the Disc. You get to the Setup Menu by pressing SYSTEM MENU on the remote control. Even if a feature is set up in the Player's menu, it will not be available if the current Disc does not include that feature.
To adjust features in the Player's Setup Menu, see pages 24-30 and 32-41.

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

Determining the best possible connection...

The capabilities of 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.

★★★★   Component Video provides the best picture quality. *Details are on page 12.*

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

★★   Composite Video (a yellow Video jack) provides good picture quality. *Details are on page 10.*

★★   **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 at your TV. See your electronics retailer for details on RF modulator availability and operations.**

★★★★   Digital audio connections provide the clearest sound, but you must have a digital Stereo. Connect the Player's black COAXIAL Digital Audio Out jack to your Stereo for the best sound quality. *Details are on page 14.*

★★★   If a digital connection is not possible, connect the Player's red and white AUDIO OUT jacks to the Audio In jacks of your Stereo or TV. *Details are on pages 10-13.*

Before you begin...

● Refer to the manuals of your TV, Stereo, 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 on the TV, Stereo, etc.

● Disconnect all equipment from the power outlets. Connect the equipment to the power outlets only after you have finished hooking up everything. Never make or change connections with equipment connected to the power outlet.
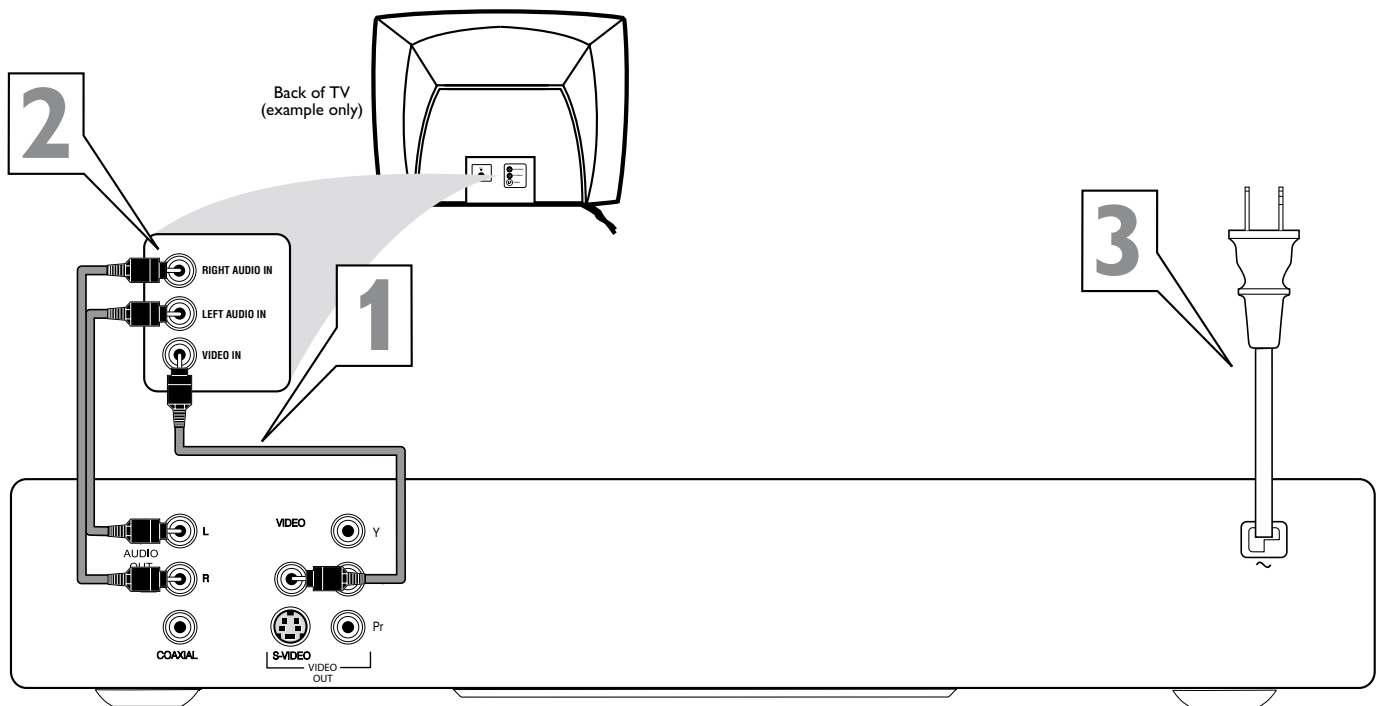
Remember...

● 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 might have the copy protection system, which could distort the DVD image 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 blue Philips DVD background screen or the Player's screen saver on the TV screen.

● Set the Stereo to the correct channel or "source" mode.

● Do not connect the DVD 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. So, you might not use all the jacks on the Player.

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

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

Back of TV
(example only)

2

1

3

RIGHT AUDIO IN

LEFT AUDIO IN

VIDEO IN

L

AUDIO
OUT

R

VIDEO

Y

Pr

COAXIAL

S-VIDEO

VIDEO
OUT

~

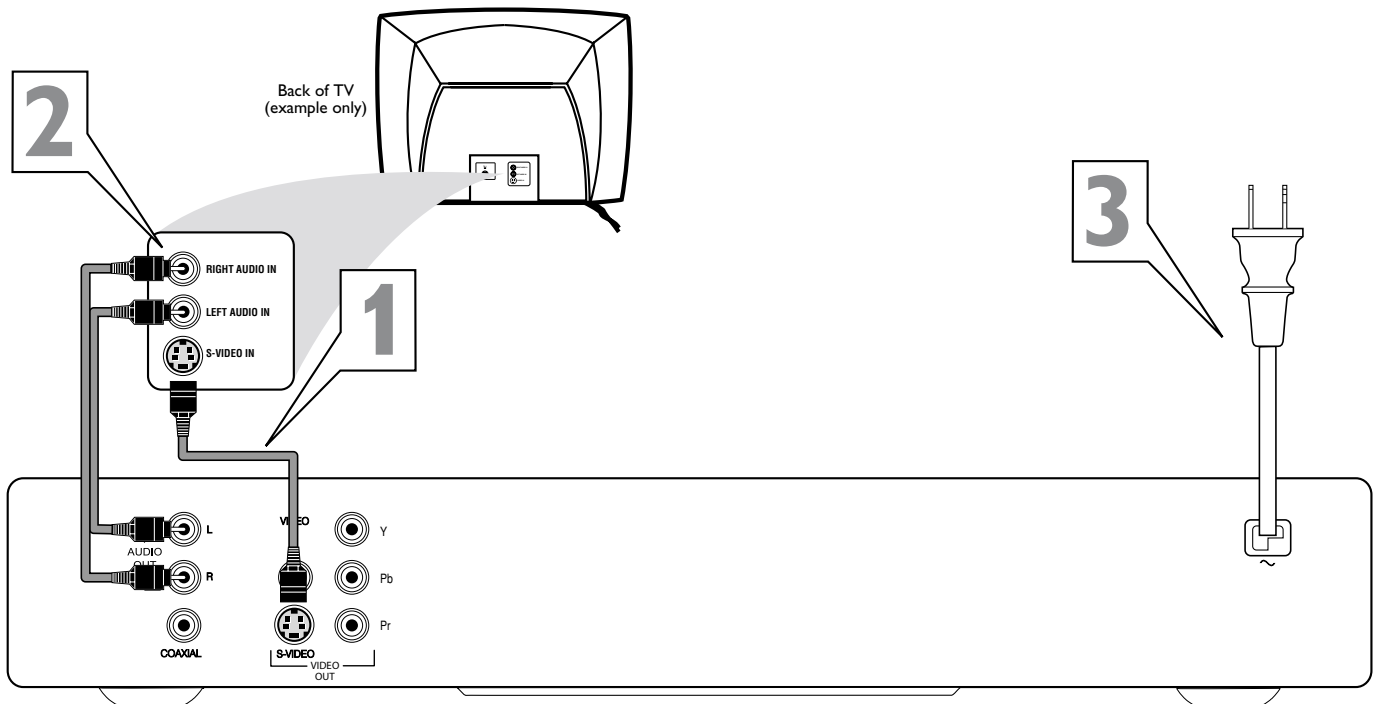**1** Connect the yellow **VIDEO (VIDEO OUT) jack of the Player to the corresponding VIDEO IN jack on your TV.** Use the supplied video cable, which has yellow ends.

2 Connect the supplied audio cable to the red and white **AUDIO OUT (right and left) jacks on the Player and to the right/left AUDIO IN jacks on the TV.** The supplied audio cable has red and white ends. Match the cable colors to the jack colors. The red jack is the Right audio channel and the white jack is the Left audio channel.

3 Plug the power cords of the Player and the TV into an **active power outlet. Press down POWER ON/OFF on the front of the Player to turn on the Player.**

4 Turn on the TV power. Set the TV to the correct Video In **channel.** See your TV owner's manual for details. Or, change channels at the TV until you see the blue Philips DVD background screen or the Player's screen saver on the TV.

Helpful Hints

• *On the TV, the Video In jack is usually yellow and might be labeled video, CVBS, composite, or baseband.*

• *If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. 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 your electronics retailer for details.*

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

Back of TV
(example only)

2

RIGHT AUDIO IN

LEFT AUDIO IN

S-VIDEO IN

1

3

L
VIDEO
Y

AUDIO
OUT
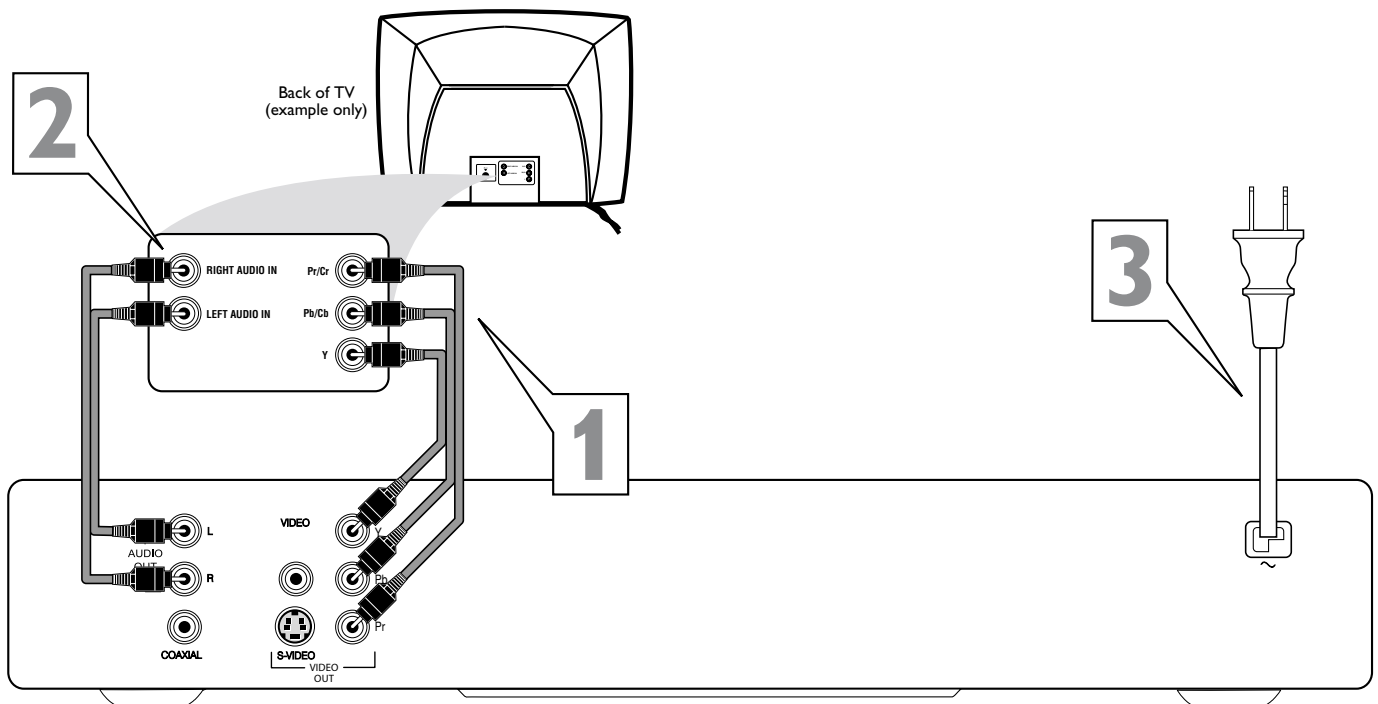
R
Pb

COAXIAL
S-VIDEO
Pr

VIDEO
OUT

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

2 **Connect the supplied audio cable to the red and white
AUDIO OUT (right and left) jacks on the Player and to the
right/left AUDIO IN jacks on the TV.** The supplied audio cable
has red and white ends. Match the cable colors to the jack colors.
The red jack is the Right audio channel and the white jack is the Left
audio channel.

3 **Plug the power cords of the Player and the TV into an
active power outlet.
Press down POWER ON/OFF on the front of the Player to
turn on the Player.**

4 **Turn on the TV power. Set the TV to the correct S-Video
In channel.** See your TV owner's manual for details. Or, change
channels at the TV until you see the blue Philips DVD background
screen or the Player's screen saver on the TV.

Helpful Hints

- *On the TV, the S-Video In jack
may be labeled Y/C, S-Video, or
S-VHS (super video).*
- *If your TV has a single Audio In
jack instead of separate left/right
Audio In jacks, you will need a
different audio cable. 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 your
electronics retailer for details.*
- *Set VIDEO OUTPUT to S-VIDEO.
Details are on page 34.*

Connecting to a TV Only
TV has Component Video In Jacks (green, blue, and red)

2

Back of TV
(example only)

3

RIGHT AUDIO IN   Pr/Cr

LEFT AUDIO IN   Pb/Cb

Y

1

L
AUDIO
OUT
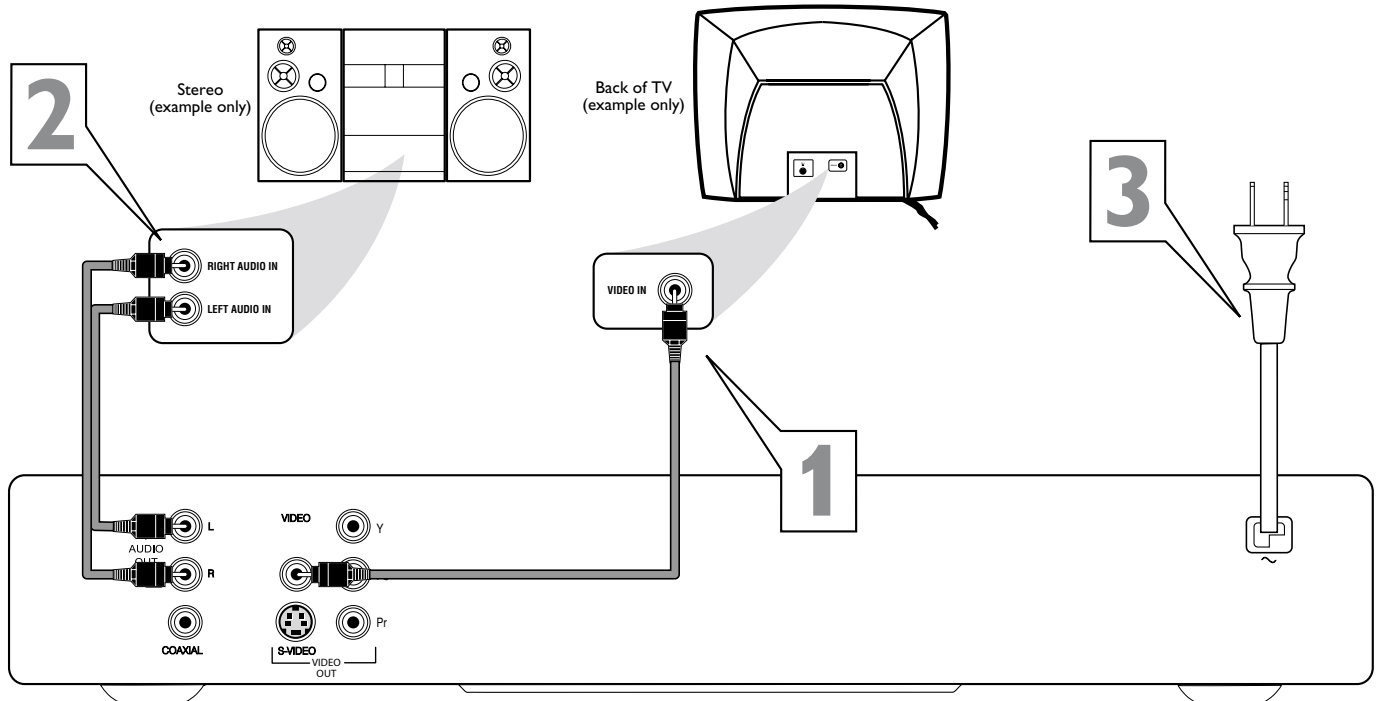R

VIDEO

Pb

Pr

COAXIAL   S-VIDEO   VIDEO
OUT

~

1 **Connect the Player's green, blue, and red Y Pb Pr (VIDEO OUT) jacks to the corresponding COMPONENT VIDEO IN jacks on the TV.** Use component video cable (not supplied).

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

3 **Plug the power cords of the Player and the TV into an active power outlet.**
Press down POWER ON/OFF on the front of the Player to turn on the Player.

4 **Turn on the TV power. 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 blue Philips DVD background screen or the Player's screen saver on the TV.

Helpful Hints

- On the TV, the component video in jacks may be labeled YUV or Y Pb/Cb Pr/Cr and may be green, blue, and red.
- Set VIDEO OUTPUT to YPBPR. Details are on page 34.
- If your TV has a single Audio In jack instead of separate left/right Audio In jacks, you will need a different audio cable. 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 your electronics retailer for details.

. . . .

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

Stereo
(example only)

Back of TV
(example only)

RIGHT AUDIO IN

LEFT AUDIO IN
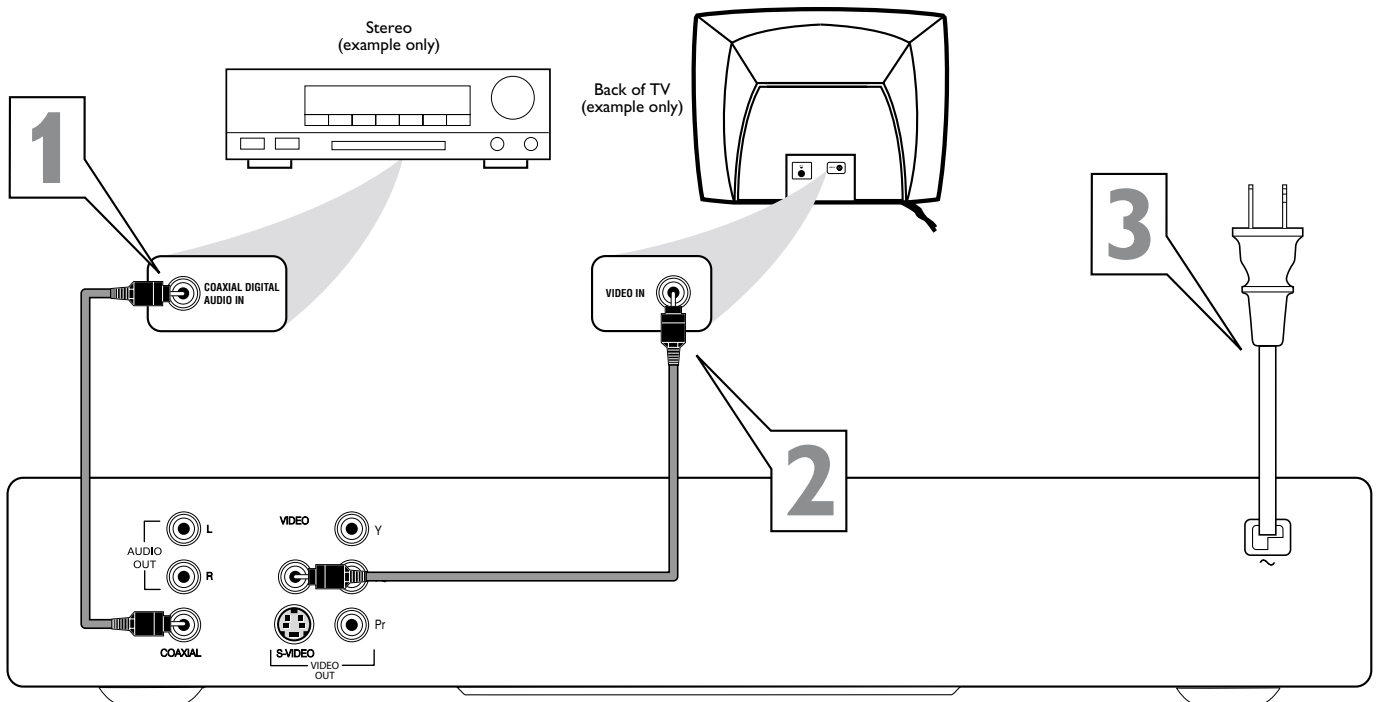
VIDEO IN

L

AUDIO
OUT

R

VIDEO

Y

Pr

COAXIAL

S-VIDEO

VIDEO
OUT

1 **Connect the supplied video cable to the yellow VIDEO (VIDEO OUT) jack of the Player and to the TV's VIDEO IN jack.** The supplied video cable has yellow ends.

2 **Connect the supplied audio cable to the red and white AUDIO OUT (right and left) jacks on the Player and to the right/left AUDIO IN jacks on the Stereo.** The supplied audio cable has red and white ends. Match the cable colors to the jack colors. The red jack is the Right audio channel and the white jack is the Left audio channel.

3 **Plug the power cords of the Player, Stereo, and the TV into an active power outlet.
Press down POWER ON/OFF on the front of the Player to turn on the Player.**

4 **Turn on the Stereo power and set your Stereo to the correct Audio In channel or sound source.** Refer to the Stereo owner's manual for details.

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

Helpful Hint

• *If you prefer or need to use the S-VIDEO or Y Pb Pr jacks instead, see pages 11-12. You only need one video connection between the TV and the Player.*

Connecting to a TV and a Digital Stereo
(Stereo has Dolby Digital™ or MPEG2)

Stereo
(example only)

Back of TV
(example only)

COAXIAL DIGITAL
AUDIO IN

VIDEO IN

L

AUDIO
OUT

R

VIDEO

Y

Pr

COAXIAL

S-VIDEO

VIDEO
OUT

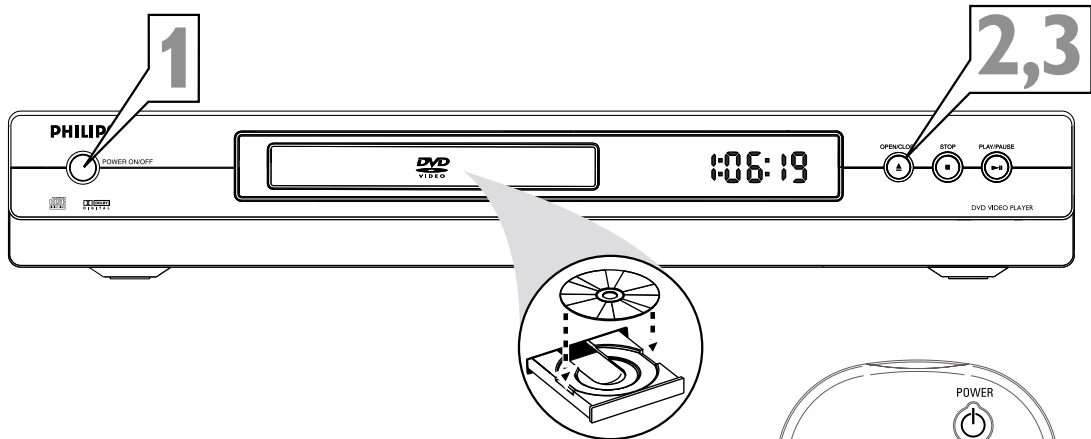**1** Connect the **COAXIAL Digital Audio Out** jack of the Player to the **COAXIAL DIGITAL AUDIO IN** jack on your Stereo. Use a digital coaxial audio cable (not supplied).

2 Connect the supplied video cable to the yellow **VIDEO (VIDEO OUT)** jack of the Player and to the TV's **VIDEO IN** jack. The supplied video cable has yellow ends.

3 Plug the power cords of the Player, Stereo, and the TV into an active power outlet.
Press down **POWER ON/OFF** on the front of the Player to turn on the Player.

4 Turn on the Stereo power and set your Stereo to the correct **Audio In** channel or sound source. Refer to the Stereo owner's manual for details.

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

Helpful Hints

• Set SPDIF OUT and LPCM 96K accordingly.
Details are on page 38.
• Your Stereo must support MPEG2 or Dolby Digital™.
Check the Stereo's manual.
• If you prefer or need to use the S-VIDEO or Y Pb Pr jacks instead, see pages 11-12.

| DVD | AUDIO CD | VIDEO CD |

1

2,3

PHILIP

POWER ON/OFF

DVD VIDEO

1:06:19

OPEN/CLO   STOP   PLAY/PAUSE

DVD VIDEO PLAYER

5

4

4

There are many playback features and options available on Discs. After familiarizing yourself with the Player as described on pages 16-18, see pages 19 and following to try additional playback features.

1 **Press down POWER ON/OFF on the front of the Player to turn on the Player.** (You can turn on the Player using the POWER ⏻ button on the remote only if the POWER ON/OFF button on the front of the Player is pressed down.)
Turn on your TV. Set it to the correct Video In channel. You should see the blue Philips DVD background screen or the Player's screen saver on the TV (if no Disc is in the Player).
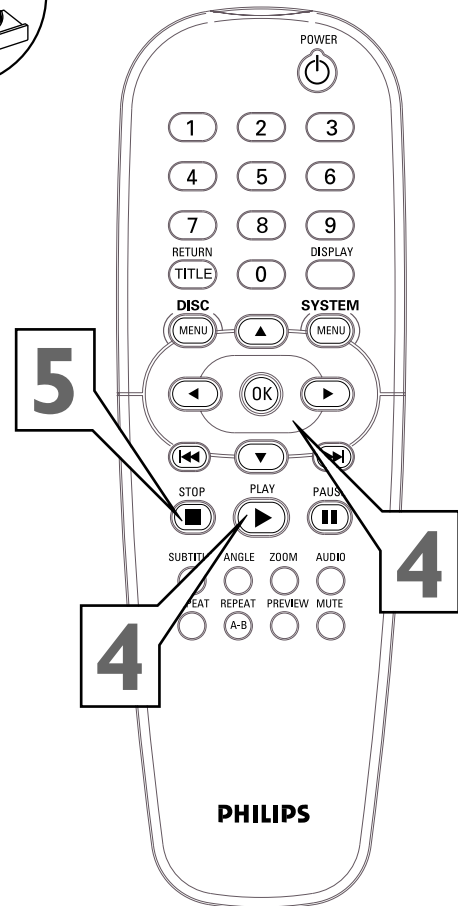
2 **Press OPEN/CLOSE ▲** on the front of the Player to open the disc tray.
Load your Disc in the tray with the label facing up and the shiny side facing down. If the Disc is two-sided, make sure the side you want to play is facing up.

3 **Press OPEN/CLOSE ▲ again to close the tray.**
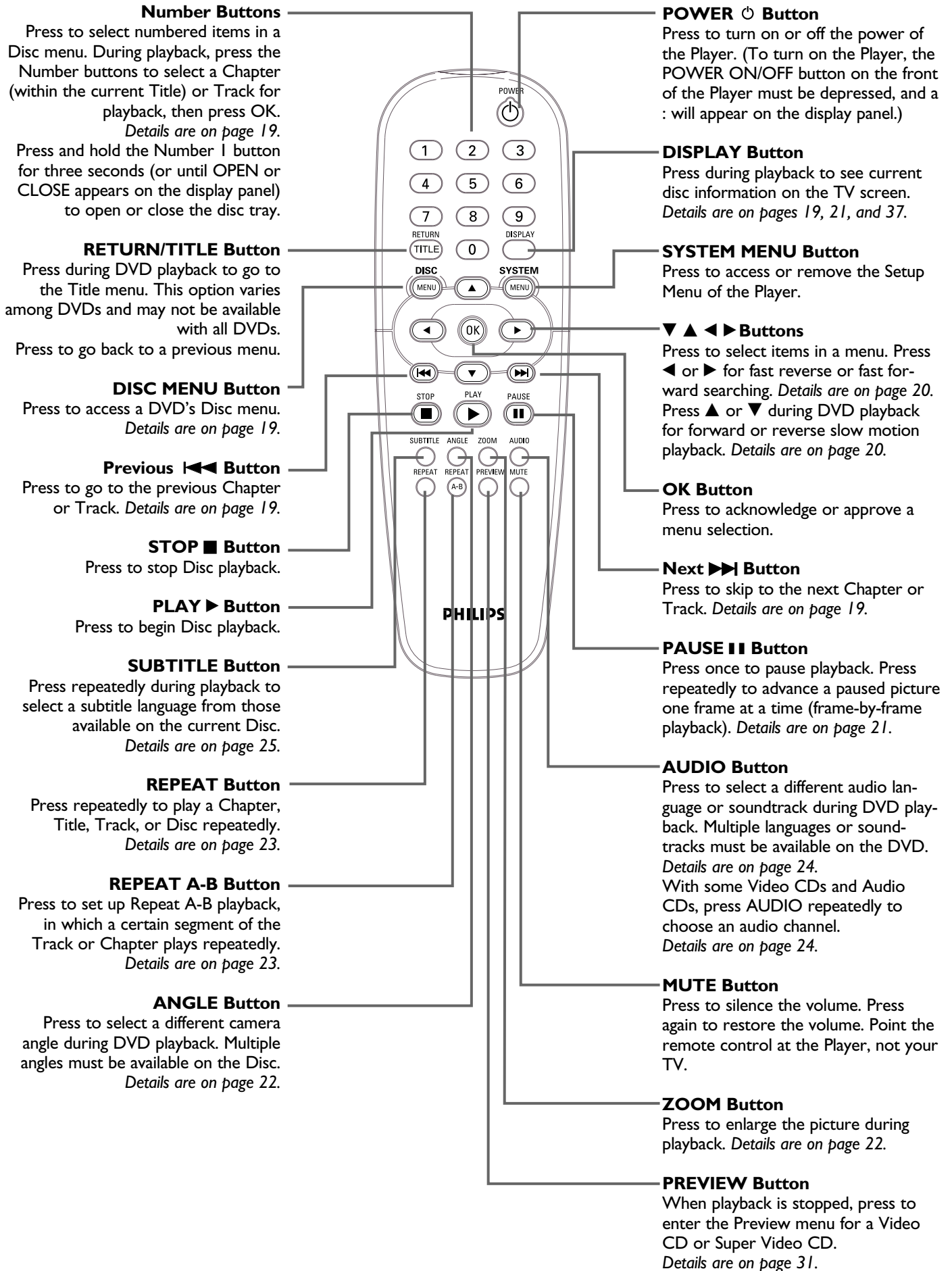
4 **Playback may start automatically. If not:**
• If you are playing a DVD, a Disc menu may appear. If the Title or Chapter selections are numbered, press a Number button to select an item. Or, press ▼ ▲ ◄ ► to select an item, then press OK. Playback will begin. Or, follow the on-screen instructions as detailed in the DVD Disc menu.
• If you are playing an Audio CD, press PLAY ► to start playback.
• If you are playing a Video CD that has Playback Control, press DISC MENU to access the menu or index of the Video CD. Press the ▼, ▲, ◄, ►, or Number buttons to select an item, then press OK. Follow the instructions provided by the Video CD. Not all Video CDs have Playback Control. See the Disc case or menus for details.

5 **To stop playback at any time, press STOP ■.**
If you press STOP ■ only once, playback will resume at the same point if you press PLAY ► later to restart playback. This is known as the Resume feature.
If you press STOP ■ more than once to stop playback, play will start at the beginning of the Disc again if you press PLAY ► later to restart playback.

POWER

1 2 3
4 5 6
7 8 9
RETURN   DISPLAY
TITLE   0
DISC   SYSTEM
MENU   ▲   MENU
◄   OK   ►
I◄◄   ▼   ►►I
STOP   PLAY   PAUSE
■   ►   II
SUBTITLE ANGLE ZOOM AUDIO
EAT REPEAT PREVIEW MUTE
A-B

PHILIPS

Helpful Hints

• *If the Disc is locked by Parental Controls, you must enter your password or unlock the Disc. Details are on pages 27-29.*
• *DVDs have a region code. Your Player will not play DVDs that have a region code other than ALL or 1 (one). Details are on page 7.*
• *Opening the disc tray or turning off the Player's power will cancel the Resume feature.*
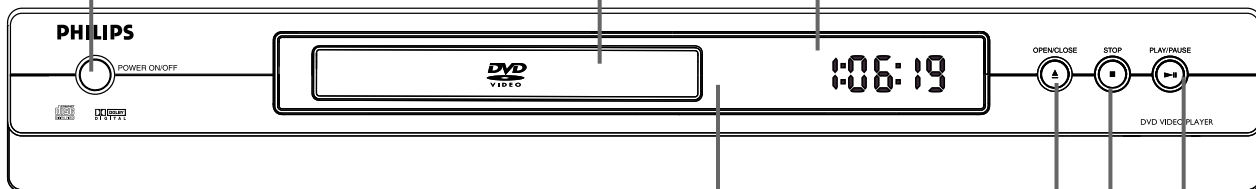
Number Buttons
Press to select numbered items in a Disc menu. During playback, press the Number buttons to select a Chapter (within the current Title) or Track for playback, then press OK. *Details are on page 19.* Press and hold the Number 1 button for three seconds (or until OPEN or CLOSE appears on the display panel) to open or close the disc tray.

RETURN/TITLE Button
Press during DVD playback to go to the Title menu. This option varies among DVDs and may not be available with all DVDs. Press to go back to a previous menu.

DISC MENU Button
Press to access a DVD's Disc menu. *Details are on page 19.*

Previous ⏮ Button
Press to go to the previous Chapter or Track. *Details are on page 19.*

STOP ■ Button
Press to stop Disc playback.

PLAY ▶ Button
Press to begin Disc playback.

SUBTITLE Button
Press repeatedly during playback to select a subtitle language from those available on the current Disc. *Details are on page 25.*

REPEAT Button
Press repeatedly to play a Chapter, Title, Track, or Disc repeatedly. *Details are on page 23.*

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 23.*

ANGLE Button
Press to select a different camera angle during DVD playback. Multiple angles must be available on the Disc. *Details are on page 22.*

POWER ⏻ Button
Press to turn on or off the power of the Player. (To turn on the Player, the POWER ON/OFF button on the front of the Player must be depressed, and a : will appear on the display panel.)

DISPLAY Button
Press during playback to see current disc information on the TV screen. *Details are on pages 19, 21, and 37.*

SYSTEM MENU Button
Press to access or remove the Setup Menu of the Player.

▼ ▲ ◄ ►Buttons
Press to select items in a menu. Press ◄ or ► for fast reverse or fast forward searching. *Details are on page 20.* Press ▲ or ▼ during DVD playback for forward or reverse slow motion playback. *Details are on page 20.*

OK Button
Press to acknowledge or approve a menu selection.

Next ⏭ Button
Press to skip to the next Chapter or Track. *Details are on page 19.*

PAUSE ❚❚ Button
Press once to pause playback. Press repeatedly to advance a paused picture one frame at a time (frame-by-frame playback). *Details are on page 21.*

AUDIO Button
Press to select a different audio language or soundtrack during DVD playback. Multiple languages or soundtracks must be available on the DVD. *Details are on page 24.*
With some Video CDs and Audio CDs, press AUDIO repeatedly to choose an audio channel. *Details are on page 24.*

MUTE Button
Press to silence the volume. Press again to restore the volume. Point the remote control at the Player, not your TV.

ZOOM Button
Press to enlarge the picture during playback. *Details are on page 22.*

PREVIEW Button
When playback is stopped, press to enter the Preview menu for a Video CD or Super Video CD. *Details are on page 31.*

POWER
⏻

1	2	3
4	5	6
7	8	9

RETURN
TITLE 0 DISPLAY

DISC   SYSTEM
MENU ▲ MENU

◄ OK ►

⏮ ▼ ⏭

STOP PLAY PAUSE
■ ▶ ❚❚

SUBTITLE ANGLE ZOOM AUDIO
REPEAT REPEAT PREVIEW MUTE
        A-B

PHILIPS

POWER ON/OFF
Press to turn the Player on
or off.
The button is depressed
when the Player is On (also
known as Standby or low-
power mode); the : will
appear on the display panel.
The button is released when
the power is completely off
(the display panel will be
dark or empty, with no :).
To use the POWER ⏻ but-
ton on the remote control
to turn the Player on, the
POWER ON/OFF button on
the front of the Player must
be depressed (the : will show
on the display panel).

Disc Tray
Insert a Disc here. Load the
Disc with the label facing up.
Details are on page 15.

Display
Current Disc information appears here, includ-
ing elapsed playing time, current Track number,
or active feature (LOAD while the Player is
reading a Disc, NEXT when you move to the
next Chapter, RPT ALL when playing a Disc
repeatedly, LOCKED if Parental Controls is
active, etc.).
The display will be dark and empty if VFD DIM
is OFF. *Details are on page 40.*

PHILIPS

POWER ON/OFF

DVD
VIDEO

1:06:19

OPEN/CLOSE   STOP   PLAY/PAUSE

DVD VIDEO PLAYER

Remote Sensor
Point the Player's remote con-
trol here when using the remote
to operate the Player.

OPEN/CLOSE ▲ button
Press to open or close the Disc tray. You also can
open or close the disc tray by pressing and holding
the Number 1 button on the remote control for
three seconds.

STOP ■ button
To use the Resume feature, press STOP ■ once to
stop Disc playback. Play will resume from the same
point the next time you start playback (if you do not
turn off the Player or open the disc tray).
Or, press STOP ■ twice to stop Disc playback. Play
will resume from the beginning of the Disc the next
time you start playback.
You must stop playback by pressing STOP ■ twice in
order to access PREFERENCES in the Player's Setup
menu.

PLAY/PAUSE ►II button
Press to start playing a Disc. Press once during play-
back to pause play; press again to resume play from
the same point.

AUDIO OUT (right/left) jacks
Connect the supplied audio cables here and to
the AUDIO IN jacks on your TV or Stereo.
Details are on pages 10-13.

AC Power cord
Connect to a standard AC
power outlet after completing
all other connections.

VIDEO (VIDEO OUT) jack
Connect the supplied video cable here and to the TV's
Video In jack. *Details are on page 10.*

Y Pb Pr (VIDEO OUT) jacks
Connect component video cables (not supplied)
here and to the Component Video In jacks of a TV.
Details are on page 12.

L

VIDEO   Y

AUDIO
OUT   R   Pb

Pr

COAXIAL   S-VIDEO   VIDEO
OUT

~

S-VIDEO (VIDEO OUT) jack
Use an S-video cable (not supplied) to
connect this jack to the S-Video In jack
of your TV. *Details are on page 11.*

COAXIAL Digital Audio Out jack
Connect a digital audio coaxial cable
(not supplied) here and to the Digital
Audio Coaxial In jack of a Stereo.
Details are on page 14.

Helpful Hint

• *You only need one audio and
one video connection, so you will
not use all the jacks on the
Player.*

DVD

Title/Disc menus

1 **Press DISC MENU.** The main Disc menu (or Root menu) will appear. The menu may list camera angles, spoken language and sub-title options, and Chapters for the Title.
Or, if the current Title has a specific Title menu, press RETURN/TITLE to access the Title menu. Title menus are not available on all Discs.

2 **Press ▼▲ ◄ ► to select items in the menu, then press OK.** Continue until you set up all the features you want or until playback begins. If Chapters or options are numbered, press the appropriate Number button to select the item (you also may have to press OK). Some DVDs may not allow you to operate the Disc menu this way. Follow the instructions on the Disc.
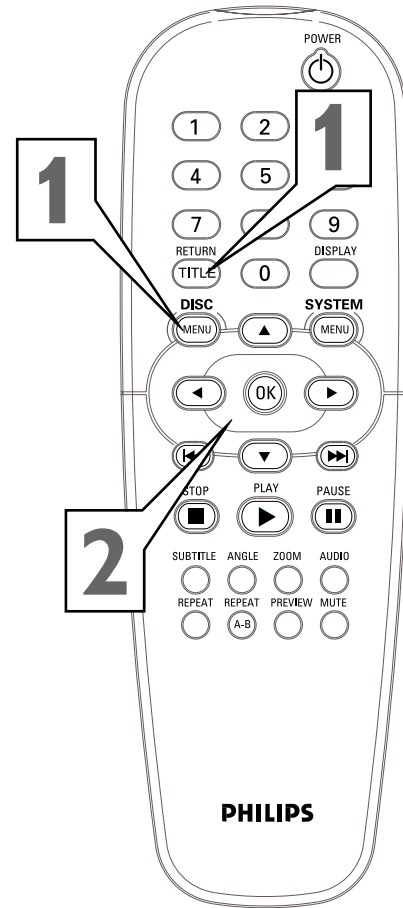
DVD   AUDIO CD   VIDEO CD

Chapter/Track Selection

There are three different ways to move to other Tracks or Chapters during playback. Choose the one you prefer.

A **Press Next ►►I to go to the next Track/Chapter.**
Press Previous I◄◄ to go to previous Tracks/Chapters.

B **Press the Number buttons to enter the Track/Chapter number, then press OK.** Play will resume from the beginning of the Track/Chapter you selected.
If you enter an invalid number, the ✍ may appear in the top left corner of the TV screen. The current Track/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. Make sure a Chapter is available within the current Title.

C **Press DISPLAY, then press ► if necessary to select the area beside T (Title or Track) or C (Chapter). Press ▼ or ▲ to select the Track, Title, or Chapter number you want.** Play will begin immediately at the Track, Title, or Chapter you selected. Press DISPLAY again to remove the information from the top of the screen.

T:	☐ / 3	C:	12 / 30
TC:	00:37:58		3D OFF

DVD Example
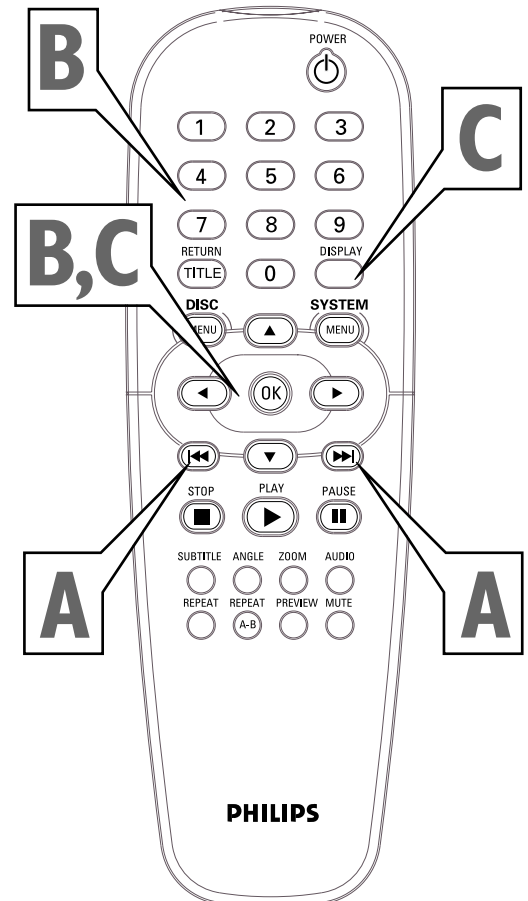
20 *Slow Motion, Fast Forward and Fast Reverse*

··

| DVD | VIDEO CD |

Slow Motion

1 **During Disc playback, press ▲ repeatedly to play the disc at 1/2, 1/4, 1/6, or 1/8 the normal speed.** SF 2X, SF 4X, SF 6X, or SF 8X will appear on the TV screen. SF represents Slow Forward. The sound will be mute during slow motion playback.
Or, press ▼ repeatedly to play a DVD backward at 1/2, 1/4, or 1/8 the normal speed. SR 2X, SR 4X, or SR 8X will appear on the TV screen. SR represents Slow Reverse. Slow reverse is not possible on Video CDs.

2 **To return to normal playback, press PLAY ▶.**
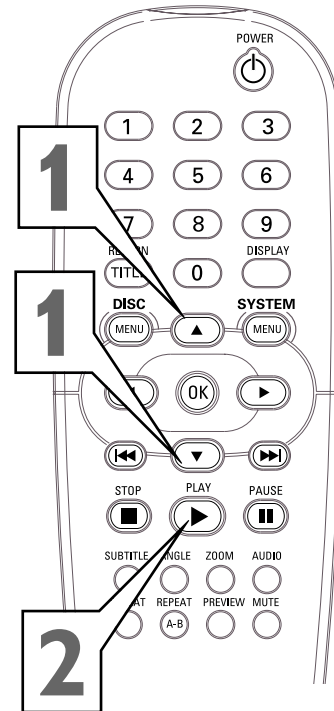
| DVD | VIDEO CD | AUDIO CD |

Fast Forward and Fast Reverse

1 **To fast forward a DVD or Video CD at twice the normal playback speed, press ▶.** Press ▶ repeatedly to fast forward the DVD or Video CD at four, six, or eight times the normal playback speed. FF 2X, FF 4X, FF 6X, or FF 8X will appear on the TV screen. FF represents Fast Forward. Sound will be mute.
Or, press ◀ to play the DVD or Video CD backward at twice the normal speed. Press ◀ repeatedly to fast reverse the DVD or Video CD at four, six, or eight times the normal playback speed. FR 2X, FR 4X, FR 6X, or FR 8X will appear on the TV screen. FR represents Fast Reverse. The sound will be mute.
To fast forward an Audio CD at twice, four, six, or eight times the normal playback speed, press ▶ repeatedly during playback. Sound will be intermittent and FF 2X, FF 4X, FF 6X, or FF 8X will appear on the TV screen. FF represents Fast Forward. There will be no sound at FF 8X.
To fast reverse an Audio CD at twice, four, six, or eight times the normal speed, press ◀ repeatedly during playback. Sound will be intermittent and FR 2X, FR 4X, FR 6X, or FR8X will appear on the TV screen. FR represents Fast Reverse. When you reach the beginning of a Track during Fast Reverse, normal playback resumes automatically. You can not use Fast Reverse to go to previous Tracks.

2 **To return to normal playback speed, press PLAY ▶.**
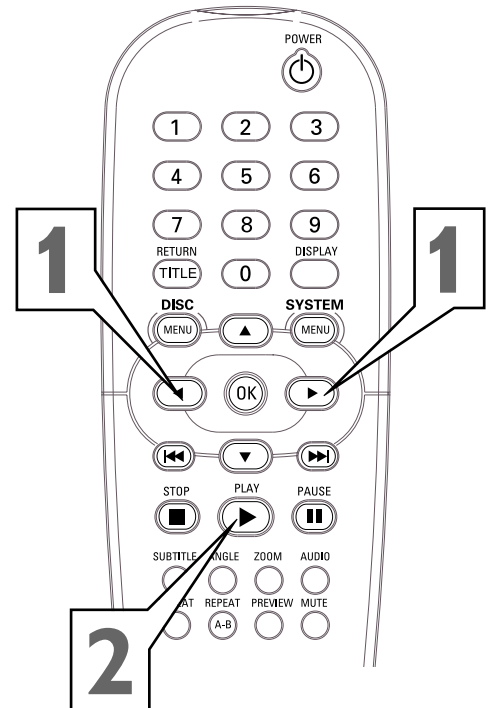
DVD   VIDEO CD

Still Picture/Frame-by-Frame Playback

1 To pause a **DVD** or **Video CD** picture, press **PAUSE ❙❙** on the remote control during playback.

2 Press **PAUSE ❙❙** repeatedly to advance the still picture one frame at a time.

3 Press **PLAY ▶** to resume regular playback.
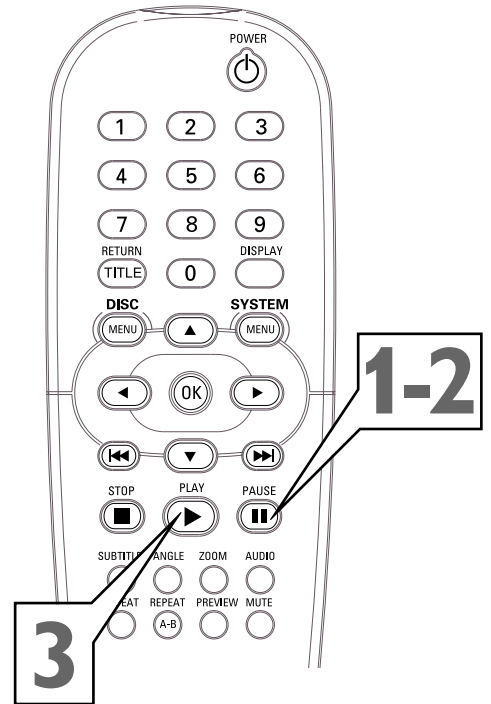
DVD   VIDEO CD   AUDIO CD

Time Search

1 Press **DISPLAY** during playback. Current playback information will appear at the top of the screen.

T:	[I] / 3	C:	12 / 30
TC:	00:37:58		3D OFF

DVD example

2 Press ▶ repeatedly to select the counter numbers beside **TC.** This shows the amount of time that the Title or Track has been playing, or the elapsed playing time.

T:	1 / 3	C:	12 / 30
TC:	00:37:58		3D OFF

3 Press the Number buttons to enter the elapsed playing time at which you want to resume playback, then press **OK.** Enter the elapsed playing time in hours, minutes, and seconds. For example, if the current DVD is a two-hour movie and you want to jump to the middle of the movie, press 0,1,0,0,0,0, then press OK. The movie will resume playing at an hour into the movie.

4 Press **DISPLAY** to remove the information from the top of the screen.
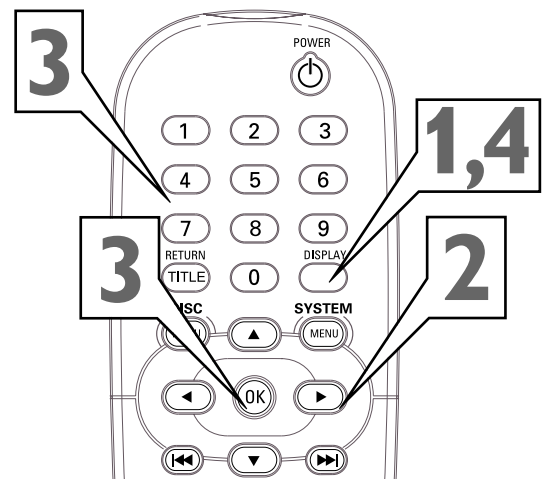
Helpful Hint

- *When you press DISPLAY, the counter will appear in the Information box at the top of the screen. TC usually appears beside the counter. You can change the counter type by pressing ◀ or ▶ to choose TC, then pressing ▲ or ▼ to choose CC, CR, TC, TR, DC, or DR. The counter will change to represent:*
  CC - elapsed playing time of current Chapter;
  CR - remaining playing time of current Chapter;
  TC - elapsed playing time of current Title or Track;
  TR - remaining playing time of current Title or Track;
  DC - elapsed playing time of current Disc; or
  DR - remaining playing time of current Disc.
  The counters will be available according to the type of Disc that is in the Player.

DVD   VIDEO CD

Zoom

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

1 **Press ZOOM repeatedly during Disc playback to choose ZOOM X2 or ZOOM X4.** ZOOM X2 or Z00M X4 will appear in the top left corner of the TV screen briefly. The picture will be twice (ZOOM X2) or four (ZOOM X4) times as large.

2 **To shift the enlarged picture on the TV screen, press ▼ ▲ ◄ or ►,** whichever is appropriate for the direction in which you want to move the picture.

3 **To return the picture to regular size, press ZOOM so ZOOM OFF appears briefly in the top left corner of the TV screen.**
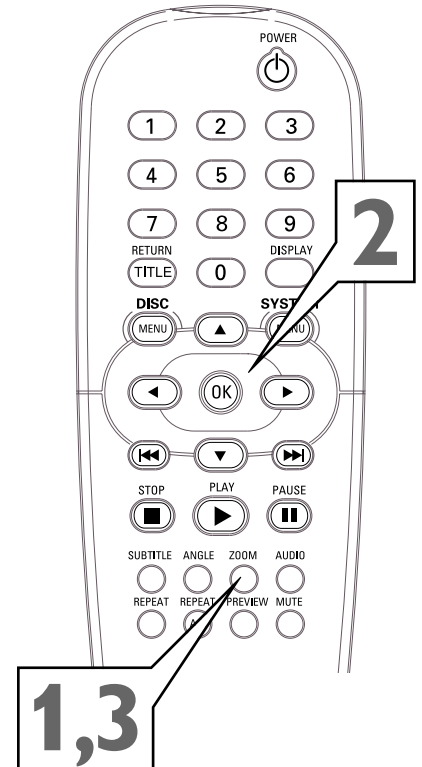
DVD

Camera Angle

Some DVDs include scenes recorded from different angles. To watch segments from a different angle, follow these steps. The DVD must have multiple angles available. Check the DVD Disc case or Disc menu for details and availability.

1 **During DVD playback, press ANGLE repeatedly to select a different angle.**

2 In a few seconds, playback changes to the selected angle.

Helpful Hints

• *Zooming may not be possible on all DVDs.*
• *Zooming is not available on DVDs that have the PAL color system.*

DVD | VIDEO CD | AUDIO CD

Repeat

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

1 **During Disc playback, press REPEAT repeatedly to choose a Repeat option.** Depending on the type of Disc, you may choose to play the Chapter (CHAPTER REPEAT ON), Track (REP-ONE), Title (TITLE REPEAT ON), or Disc (REP-ALL) repeatedly.

2 **To cancel repeat playback, repeatedly press REPEAT** until REPEAT OFF appears in the top left corner of the TV screen.
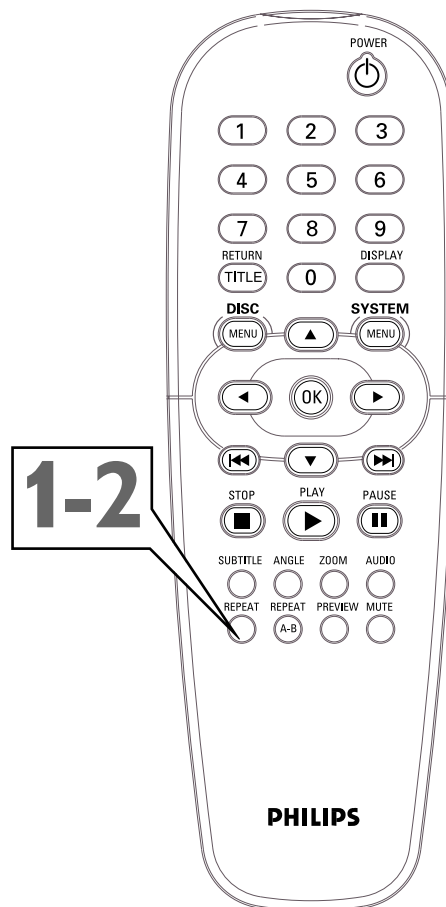
DVD | VIDEO CD | AUDIO CD

Repeat A-B

You may set the Player to play only a specific portion of a Title, Chapter, 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.** "A TO B   SET A" will appear in the top left corner of the TV screen briefly.

3 **When the Disc reaches the point at which you want to end the segment, press REPEAT A-B again.** "A TO B SET B" will appear in the top left corner of the TV screen briefly. The segment will begin playing repeatedly.
On a DVD, make sure the entire A-B segment is within a single Title. On a Video CD or Audio CD, the A-B segment should be within a single Track. If you do not enter the B setting before the end of the Track is reached, "A TO B   CANCELLED" may appear in the top left corner of the TV screen.

4 **To resume regular playback, press REPEAT A-B again.** "A TO B CANCELLED" will appear in the top left corner of the TV screen briefly. Regular playback will resume from the current point.
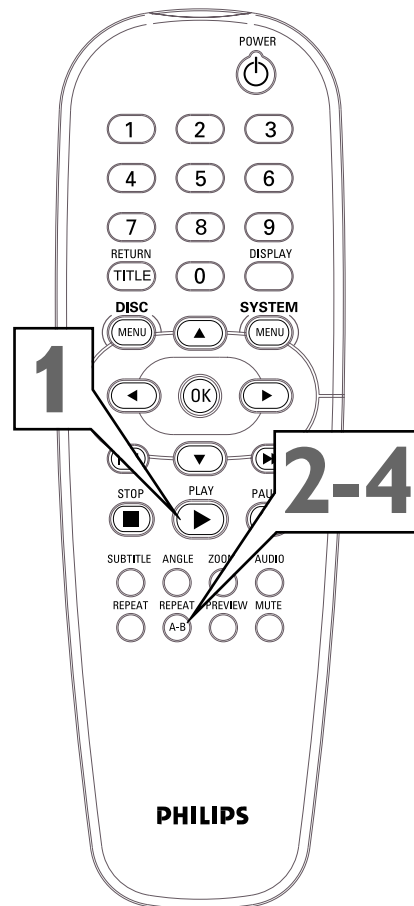
24 DVD Audio Language

Some DVDs are recorded in multiple languages; some may have extra audio options such as a director's commentary or a music soundtrack. You can choose the language or the soundtrack that you want to hear by adjusting AUDIO in the Player's PREFERENCES PAGE. To do so, follow the steps below.

Or, the easiest way to choose a different audio language or soundtrack is to press AUDIO on the remote control repeatedly during DVD playback. The audio will change immediately to the language or soundtrack you select.

1 **Press STOP ■** *twice* **to stop DVD playback.**

2 **Press SYSTEM MENU.**

3 **Press ▼ repeatedly to select PREFERENCES, then press OK.**
You can select PREFERENCES only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

4 AUDIO will be selected. **Press ▶.**

```
       - - PREFERENCES PAGE - -

   AUDIO        ▶  ENGLISH
   SUBTITLE        FRENCH
   DISC MENU       SPANISH
   PARENTAL        CHINESE
   PASSWORD        JAPANESE
   DEFAULTS
   SMART NAV

   MAIN PAGE
```
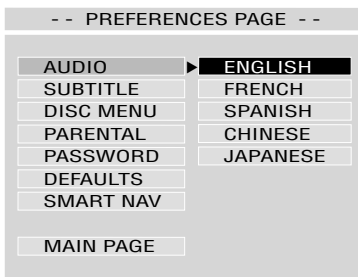
5 Language options will appear to the right of AUDIO. **Press ▲ or ▼ to choose the language you want, then press OK.**
Although the Player shows ENGLISH, FRENCH, SPANISH, CHINESE, and JAPANESE, you can only hear the selected language if that language is recorded on the DVD. If there is another language or soundtrack on the DVD that does not show in this AUDIO menu, choose the language at the DVD Disc menu or by pressing AUDIO on the remote control repeatedly. *Details on DVD Disc menus are on page 19.*

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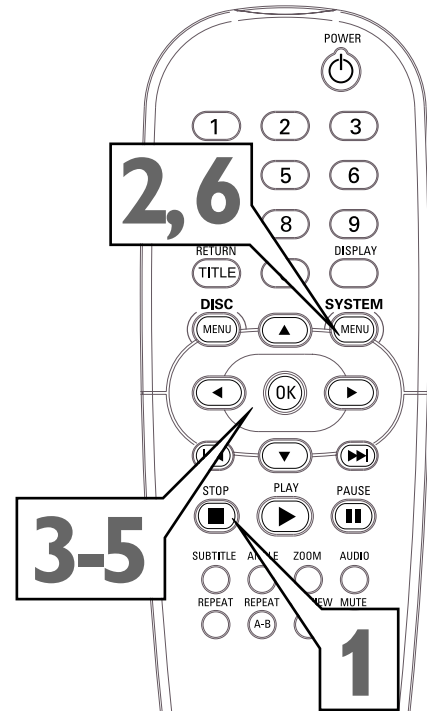
Helpful Hints

- *Some Audio CDs, 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 STEREO to hear both channels simultaneously (for example, the music and the vocals together). Options may include LEFT VOCAL, RIGHT VOCAL, MONO LEFT, MONO RIGHT, or STEREO. Check your Disc case for details.*

- *If adjusting the Audio language as described on this page does not change the Audio, change the settings in the DVD's Disc menu or by pressing AUDIO repeatedly during DVD playback. Make sure the language you want is available on the current DVD.*

- *When you press STOP ■ twice to stop DVD playback so you can adjust AUDIO, this cancels the Resume feature. When you play the DVD again, playback starts at the beginning of the DVD.*

DVD

Some DVDs include subtitles. Choose the language you want for available subtitles by adjusting SUBTITLE in the Player's PREFERENCES PAGE. To do so, follow the steps below.
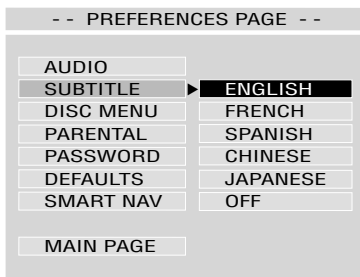Or, the easiest way to choose subtitles is to press SUBTITLE on the remote control repeatedly during DVD playback. The subtitles will appear in the language you select.

1 **Press STOP ■** *twice* **to stop DVD playback.**

2 **Press SYSTEM MENU.**

3 **Press ▼ repeatedly to select PREFERENCES, then press OK.** You can select PREFERENCES only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

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

```
    - - PREFERENCES PAGE - -

    AUDIO
    SUBTITLE       ▶ ENGLISH
    DISC MENU        FRENCH
    PARENTAL         SPANISH
    PASSWORD         CHINESE
    DEFAULTS         JAPANESE
    SMART NAV        OFF

    MAIN PAGE
```

5 Language options will appear to the right of SUBTITLE. **Press ▲ or ▼ to choose the language in which you want subtitles to appear, or choose OFF if you do not want to see any subtitles during DVD playback. Then, press OK.**
Although the Player shows ENGLISH, FRENCH, SPANISH, CHINESE, and JAPANESE, you can see subtitles in the selected language only if they are available on the current DVD. Check the DVD case for details on available subtitle languages.
If the DVD has subtitles in languages other than those listed in the SUBTITLE menu, choose the language in the DVD Disc menu or by pressing SUBTITLE on the remote control repeatedly. *Details on DVD Disc menus are on page 19.*

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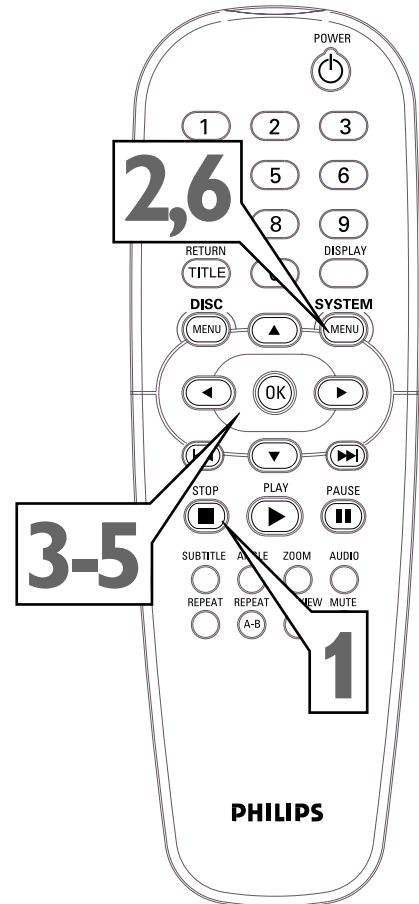
Helpful Hints

- *Some DVDs only allow you to choose Subtitle languages in the DVD Disc menu. If adjusting the Subtitle language as described on this page does not change the Subtitle during DVD playback, change the settings in the DVD's Disc menu or by pressing SUBTITLE repeatedly during DVD playback. Make sure the language you want is available on the current DVD.*
- *When you press STOP ■ twice to stop DVD playback so you can adjust SUBTITLE, this cancels the Resume feature. When you start to play the DVD again, playback automatically starts at the beginning of the DVD.*
- *Press and hold SUBTITLE on the remote control for two seconds to turn the subtitles on or off during playback. SUBTITLE ON or SUBTITLE OFF will appear briefly in the top left corner of the TV screen.*

● ●

| DVD |

DVDs have a Disc menu that allows you to choose options such as Audio Language, Subtitles, or other special features. Features vary among DVDs, so the Disc menus are different for every DVD.
Some DVD Disc menus may be available in multiple languages. To choose a language for a Disc menu using the Player's PREFERENCES PAGE, follow the steps below.

1 **Press STOP ■** *twice* **to stop DVD playback.**

2 **Press SYSTEM MENU.**

3 **Press ▼ repeatedly to select PREFERENCES, then press OK.**
You can select PREFERENCES only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

4 **Press ▼ repeatedly to select DISC MENU, then press ▶.**

```
    - -  PREFERENCES PAGE  - -

     AUDIO
     SUBTITLE
     DISC MENU    ▶  ENGLISH
     PARENTAL        CHINESE
     PASSWORD        FRENCH
     DEFAULTS        SPANISH
     SMART NAV       JAPANESE

     MAIN PAGE
```
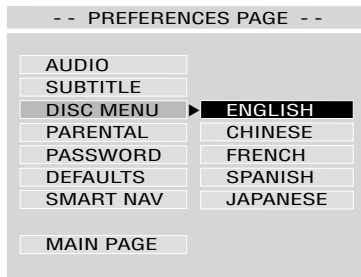
5 Language options will appear to the right of DISC MENU. **Press ▲ or ▼ to choose the language in which you want the DVD Disc menu to appear. Then, press OK.**
Although the Player shows ENGLISH, CHINESE, FRENCH, SPANISH, and JAPANESE, the Disc menu will appear in the selected language only if it is available on the current DVD. Check the DVD case for details on available languages.
If the Disc menu is available in languages other than those listed for DISC MENU, choose the language in the DVD Disc menu. *Details on DVD Disc menus are on page 19.*

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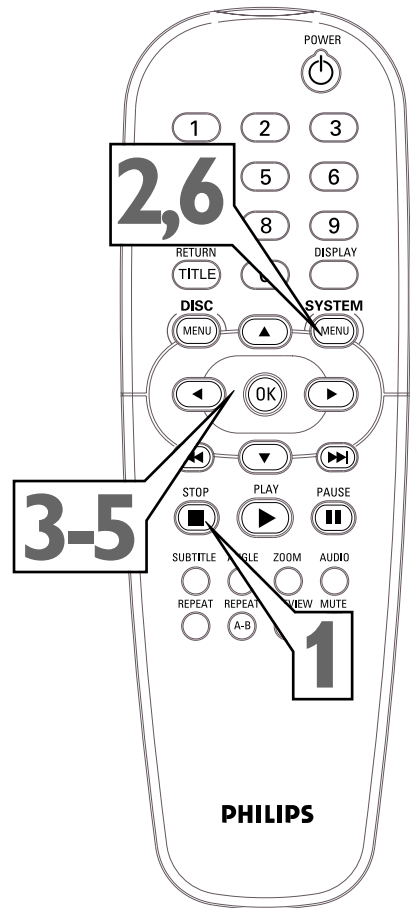
Helpful Hints

• *If adjusting the Disc menu language as described on this page does not change the language as you preferred, change the settings in the DVD's Disc menu. Make sure the language you want is available on the current DVD.*

• *When you press STOP ■ twice to stop DVD playback so you can adjust DISC MENU, playback automatically starts at the beginning of the DVD when you start playback again.*

DVD

Parental Controls limits viewing of DVDs. When a DVD has been Locked or
if a DVD has a movie rating that exceeds the Parental Level you select, a
viewer must enter a password before viewing the DVD. To set your pass-
word, follow the steps below.
To adjust the PARENTAL level so DVDs cannot play if they exceed that level,
see page 29.
To prevent specific DVDs from playing, regardless of how you set the
PARENTAL level, see page 28.

1 **Press STOP ■** *twice to stop DVD playback.*

2 **Press SYSTEM MENU.**

3 **Press ▼ repeatedly to select PREFERENCES, then press OK.**
You can select PREFERENCES only if you have completely stopped
DVD playback by pressing STOP ■ twice as directed in step 1.

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

```
- - PREFERENCES PAGE - -

    AUDIO
    SUBTITLE
    DISC MENU
    PARENTAL
    PASSWORD    ▶  CHANGE
    DEFAULTS
    SMART NAV

    MAIN PAGE
```
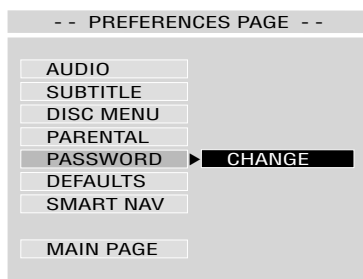
5 CHANGE will be highlighted. **Press OK.**

6 A box beside OLD PASSWORD will be highlighted.
**Press the Number buttons to enter your old four-digit
password.** (If this is the first time you have set a password, press
3,3,0,8.) The box beside NEW PASSWORD will be highlighted
automatically. **Press the Number buttons to enter a new four-
digit password of your choice.** The box beside CONFIRM PWD.
will be highlighted automatically. **Press the Number buttons to
enter the same new four-digit password** you just entered for the
NEW PASSWORD.

```
    PASSWORD CHANGE PAGE

OLD PASSWORD :     XXXX
NEW PASSWORD :     XXXX
CONFIRM PWD :      X
```

7 **Press OK to save the new password.**

8 **Press SYSTEM MENU to remove the menus.**
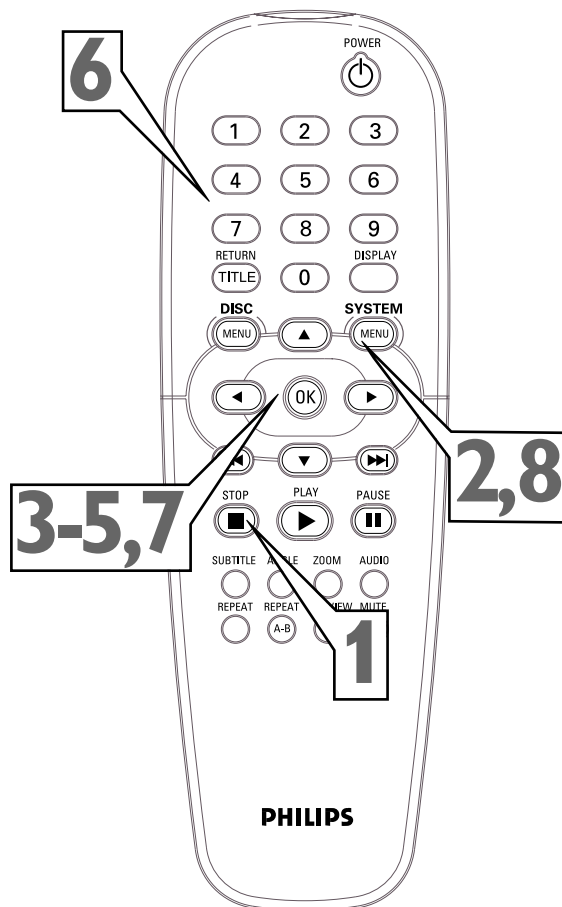
Helpful Hints

- *The default or factory preset
password is 3 3 0 8. You can
use it to play a Locked Disc or
enter it as the old password. The
3 3 0 8 password is acceptable
even after you set your own per-
sonal password.*

- *Philips denies any liability associ-
ated with unintended watching of
Discs. Make sure your Discs play
according to your Parental
Controls settings before you allow
children access to the Player.*

- *An "X" will appear on the screen
instead of the password number
to protect the identity of the
password.*

Not all DVDs are rated or coded by the Disc maker. You can specifically lock or unlock a DVD, regardless of its rating. If you lock a specific DVD, you must enter your Password before you can watch the DVD on this Player. *Password details are on page 27.*

1 **Press SYSTEM MENU.**

2 GENERAL SETUP will be selected. **Press OK.**

3 DISC LOCK will be selected. **Press ▶.**

```
        - -  GENERAL PAGE  - -

   DISC LOCK       ▶   UNLOCK
   PROGRAM             LOCK
   VFD DIM
   OSD LANG
   SCR SAVER

   MAIN PAGE
```
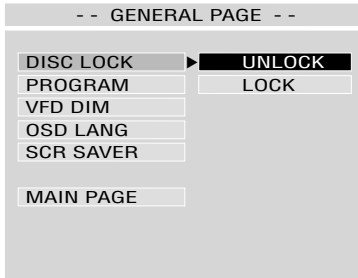
4 **Press ▲ or ▼ to select UNLOCK or LOCK, then press OK.**
If you choose UNLOCK, the DVD that is currently in the Player will be unlocked for future viewing. You can view the DVD without having to enter your four-digit password.
If you choose LOCK, the DVD that is currently in the Player cannot play unless you enter your four-digit password. INPUT PASSWD will appear on the TV screen to prompt you to enter your password. LOCKED will show on the Player's display panel. *Password details are on page 27.*
You may have to turn the Player off and on or open and close the disc tray before the LOCK or UNLOCK setting will take effect.

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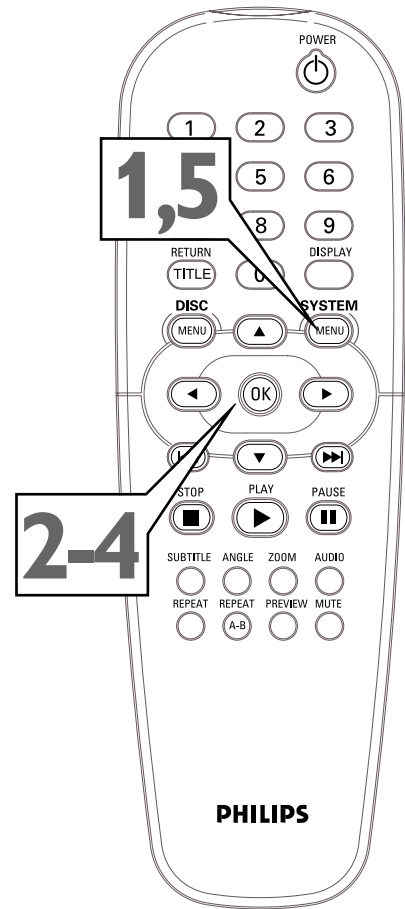
Helpful Hints

- *Parental Controls blocks viewing of the Locked DVD on this Player. The DVD will play on other Players.*
- *Two-sided DVDs have a different ID for each side, so unlock each side. Multi-volume Video CDs or DVD sets have a different ID for each volume or Disc. Unlock each volume or Disc.*
- *Once you enter your password to play a Locked Disc, you can stop and resume playback without reentering the password every time you resume play. However, if you open the disc tray or turn off the Player, you will have to enter the password again to play the Disc.*
- *If you try to play a DVD that has been Locked, PARENTAL VIOLATION (or a similar message, depending on the DVD) may appear on the screen.*

You can set the Player to block or allow DVD playback according to the movie rating of the DVD. If someone tries to play a DVD that has a rating that exceeds the level you selected, they must know your password. You must enter the password before the DVD will play. *Password details are on page 27.*

Not all DVDs conform to the levels you select, as not all DVDs are coded or protected by the DVD manufacturer. Therefore, make sure the DVD plays according to your Parental level choice before you allow children unlimited access to the Player or DVDs.

To prevent specific DVDs from playing on this Player, regardless of how you set the PARENTAL level, see page 28.

1 **Press STOP ■** *twice to stop DVD playback.*

2 **Press SYSTEM MENU.**

3 **Press ▼ repeatedly to select PREFERENCES, then press OK.**
You can select PREFERENCES only if you have completely stopped DVD playback by pressing STOP ■ twice as directed in step 1.

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

```
- -  PREFERENCES PAGE  - -

   AUDIO          1  G
   SUBTITLE       2
   DISC MENU      3  PG
 ▶ PARENTAL     ▶ 4  PG 13
   PASSWORD       5
   DEFAULTS       6  PG-R
   SMART NAV      7  NC-17
                  8  ADULT
   MAIN PAGE      NO_PARENTAL
```

5 **Press ▲ or ▼ to choose the Parental level at which you want to restrict playback, then press OK.**
For example, if you do not want children to watch movies rated above PG, select 3 PG. DVDs rated PG can play without entering a password; however, DVDs rated PG-13, R, NC-17, or X (ADULT) cannot play unless you enter your password. (Follow additional instructions provided by the DVD if necessary.)
Select NO PARENTAL if you want the Player to play all DVDs, regardless of their movie rating. You will not have to enter a password in order to play a DVD. (However, you still can lock specific DVDs to prevent playback. *Details are on page 28.*)

RATING EXPLANATIONS
- ADULT - Mature material; should be viewed only by adults due to graphic sexual material, violence, or language.
- NC-17 - No children under age 17; not recommended viewing for children under age 17.
- PG-R - Parental Guidance - Restricted; recommended that parents restrict children under age 17 from viewing or allow children to view only when supervised by a parent or adult guardian.
- PG 13 - Material is unsuitable for children under age 13.
- PG - Parental Guidance suggested.
- G - General Audience; recommended as acceptable for viewers of all ages.

---

6 A screen will prompt you to enter your password. **Press the Number buttons to enter your four-digit password, then press OK.** *Password details are on page 27.*

7 **Press SYSTEM MENU to remove the menus.**
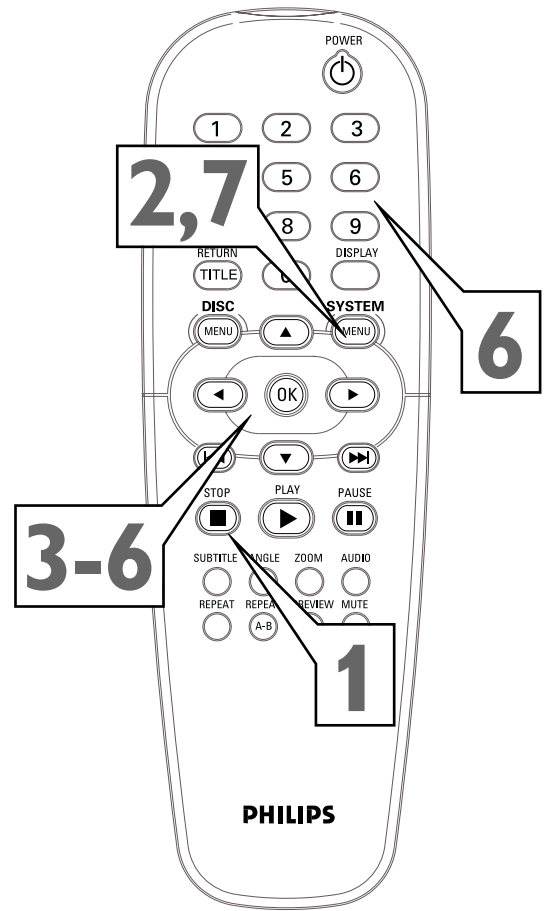
Helpful Hint

- *When you press STOP ■ twice to stop DVD playback so you can adjust the PARENTAL level, playback automatically starts at the beginning of the DVD when you resume playback.*
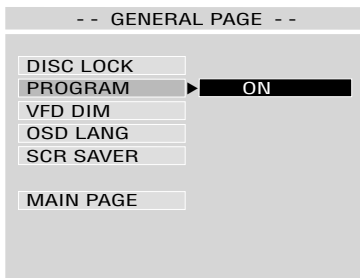
....
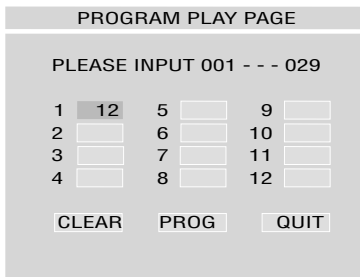
AUDIO CD VIDEO CD

You may play Tracks in an order you specify instead of playing the Tracks in normal order (1, 2, 3, etc.). The order in which you set the Tracks to play is a Program. For example, if you want to set up an Audio CD so Track 12 will play first, put Track 12 in Program position number one (1). To set up a Program, follow these steps.

1 Press **SYSTEM MENU.**

2 GENERAL SETUP will be selected. **Press OK.**

3 Press ▼ to select **PROGRAM, then press ► to select ON.**
You cannot select PROGRAM when a DVD is in the Player.

```
         - - GENERAL PAGE - -

     DISC LOCK
     PROGRAM      ►    ON
     VFD DIM
     OSD LANG
     SCR SAVER

     MAIN PAGE
```

4 **Press OK.** The PROGRAM PLAY PAGE will appear. This is where you enter the Track numbers in the order in which you want to play them. The Number 1 space will be selected automatically as your starting point.
While the Number 1 space is highlighted, press the Number buttons to enter the Track number you want to play first. The Track number will appear in the box beside the number 1.

```
       PROGRAM PLAY PAGE

   PLEASE INPUT 001 - - - 029

    1   12    5         9
    2         6        10
    3         7        11
    4         8        12

     CLEAR     PROG      QUIT
```

5 **Use the ▲, ▼, ◄, ► buttons to move to the next Program position, then use the Number buttons on the remote control to enter your other Tracks. Repeat this process until you have entered all the Tracks you want in the Program.**
If you enter an incorrect Track number in one of the previous Program positions, press ▲▼ ◄ ► to select the Program position. Press any Number button to clear the box. Use the Number buttons to reenter the correct Track number you want.

6 **When you have entered all the Tracks you want in the Program, press ▼, ◄, and/or ► to select PROG at the bottom of the PROGRAM PLAY PAGE. Then, press OK.** This will store the Tracks in the Program. The Program may start playing automatically. If not, press PLAY ► to start playing the Program. The Program will play repeatedly until you stop playback.
To resume normal playback, press STOP ■ twice to stop playing the Program. When you press PLAY ►, Tracks will play in normal order again, starting at the beginning of the Disc.
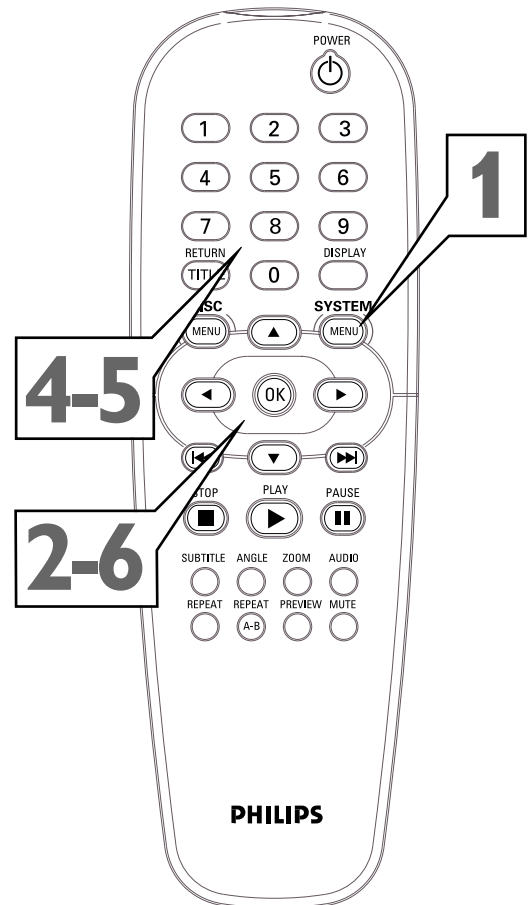
Helpful Hints

• *You can enter a maximum of 96 Tracks in a Program. To access the PROGRAM PLAY PAGES for positions 13-96, press Previous I◄◄ or Next ►►I .*

• *To erase all the Tracks from the Program, press ▼ and/or ◄ to select CLEAR at the bottom of the PROGRAM PLAY PAGE, then press OK. This clears all the Program positions.*

• *To stop entering Tracks in the Program, press ▼ and/or ► to select QUIT at the bottom of the PROGRAM PLAY PAGE, then press OK. When you play the Disc, Tracks will play in normal order (1, 2, 3, etc.).*

• *The Program will accept a Track number only if it is available on the current Disc.*

VIDEO CD

Some Video CDs or Super Video CDs may contain preview or introductory information. If you are not sure of the contents of a Video CD or its Tracks, use the Preview features to see the content of the Tracks. Not all Video CDs contain this information. See your Disc case for details.

1 **While playback is stopped, press PREVIEW.** The following menu will appear.

```
1. INTRO     3. TRACK
2. DISC      4. EXIT
```
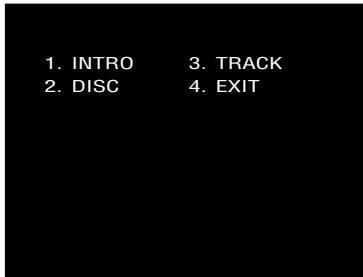
2 Press the corresponding Number button on the remote control to select INTRO, DISC, TRACK, or EXIT, then press OK. Specific steps for each option are as follows:

• **INTRO - Press Number button 1 to select INTRO, then press OK.** The first 10 seconds of each Track will play, introducing you to the content of each Track.
Press STOP ■ to stop the Track review, or the review will stop automatically after the last Track.

• **DISC - Press Number button 2 to select DISC, then press OK.** This accesses a screen showing up to nine miniature pictures. Each picture represents a Track; the picture will likely be a scene from the beginning of the Track.
Select a Track by pressing Previous I◄◄, Next ►►I, or a Number button, then press OK to start playing that Track. This will be useful if you want to go directly to a Track but cannot remember the Track number of the segment you are seeking.

• **TRACK - Press Number button 3 to select TRACK, then press OK.** This will divide a single Track into nine parts and display a miniature picture representing each part.
Press a Number button to select one of the parts of the Track, then press OK to begin playing the Track from the point you selected.

• **EXIT - Press Number button 4 to select EXIT, then press OK** to remove the Preview menu.
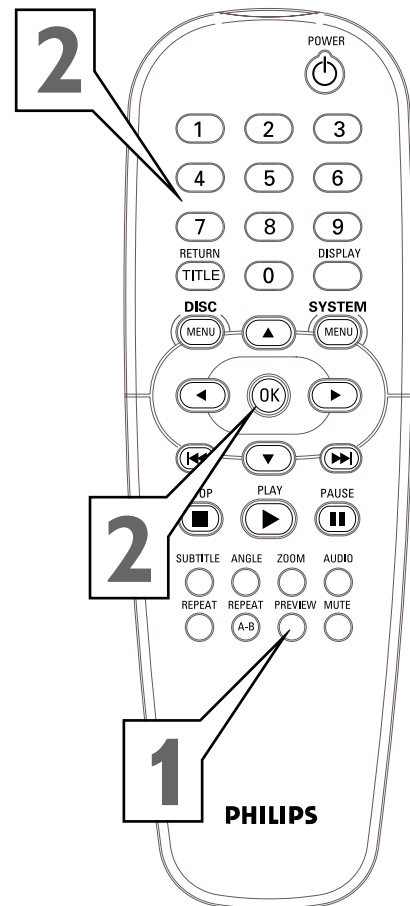
Helpful Hint

• *You also can use the INTRO feature on some Audio CDs.*

Smart Navigator

This Player can play some Compact Disc-Recordables (CD-Rs) that contain JPEG pictures or MP3 audio files/tracks. For example, your photographer or film developer may put your pictures on a CD-R; these pictures may be in JPEG format. Or, you may copy MP3 music from legal Internet sites onto a CD-R. (You cannot make or record such CD-Rs using this Player.) When playing MP3 or JPEG files on this Player, you can use Smart Navigator or the other features described below.

1 **Press STOP ■ twice to stop Disc playback completely.**

2 **Press SYSTEM MENU.**

3 **Press ▼ repeatedly to select PREFERENCES, then press OK.**

4 **Press ▼ repeatedly to select SMART NAV (Smart Navigator), then press ►. Press ▲ or ▼ to select NO MENU or WITH MENU, then press OK.**
If you select NO MENU, the SMART NAV menu will list and play the JPEG/MP3 files in the order in which they are recorded on the Disc (1, 2, 3, etc.). Select WITH MENU to see the JPEG or MP3 files in their assigned folders in the SMART NAV menu.

```
- -  PREFERENCES PAGE  - -

   AUDIO
   SUBTITLE
   DISC MENU
   PARENTAL
   PASSWORD
   DEFAULTS
   SMART NAV   ►   NO MENU
                   WITH MENU

   MAIN PAGE
```
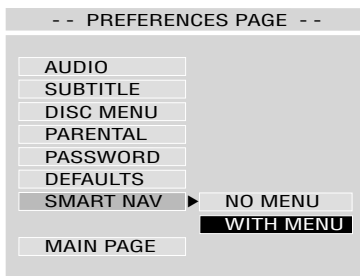
5 **Press SYSTEM MENU to remove the menu.**

JPEG Features

• After you play or open one JPEG picture, subsequent images will appear automatically.
  To change the length of time an image stays on the screen, press ► repeatedly. Choose 1 SEC/PIC, 2 SEC/PIC, 5 SEC/PIC, or 20 SEC/PIC to make each picture appear for one, two, five, or 20 seconds. Or, to freeze the picture on the screen, press ► to select STILL. Press STOP ■ to see the Smart Navigator (SMART NAV) menu again.
• Press PREVIEW to access a Preview screen that shows up to nine miniature pictures, each representing a JPEG image. The file you were viewing when you pressed PREVIEW will appear in the first box.
  Go to other Preview screens by pressing Previous I◄◄ or Next ►►I.
• Press ▲, ▼, or ◄ to flip or rotate a JPEG image.
• Press ZOOM repeatedly to enlarge or reduce a JPEG image.
• Use the Number buttons on the remote to select a numbered JPEG image for immediate playback. Press a Number button, then press OK to begin playback.

MP3 Features

• During playback, press Next ►I or Previous I◄ to move to different MP3 Tracks.
• Press STOP/RETURN ■ to stop playback.
• When playback is stopped, press ▲, ▼, ► or ◄ to select a Track or Folder. Press OK to open a Folder or to start playing a Track.
• Use the Number buttons on the remote to select a numbered MP3 Track for immediate playback. Press a Number button, then press OK to begin playback.

POWER

1 2 3
  5 6
  8 9

RETURN   DISPLAY
TITLE

DISC   SYSTEM
MENU   ▲   MENU

◄   OK   ►

▼

STOP   PLAY   PAUSE
■   ►   II

SUBTITLE ANGLE ZOOM AUDIO

REPEAT REPEAT VIEW MUTE
         A-B

PHILIPS

2,5

3,4

1
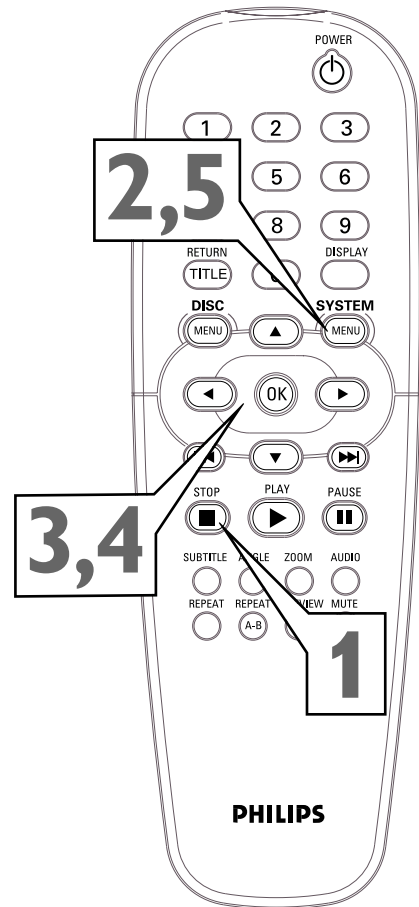
You may set the Player to display the picture in one of three formats:
Letterbox, Pan & Scan, or Wide. To choose a format, follow these steps.

1 Press **SYSTEM MENU.**

2 Press ▼ repeatedly to select **SETUP VIDEO OUTPUT,** then press **OK.**

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

```
      - - VIDEO OUTPUT PAGE - -

    TV TYPE
    VIDEO OUTPUT
    TV DISPLAY       ▶  NORMAL/PS
    VIDEO MODE          NORMAL/LB
    BRIGHTNESS          WIDE
    CONTRAST
    SATURATION

    MAIN PAGE
```
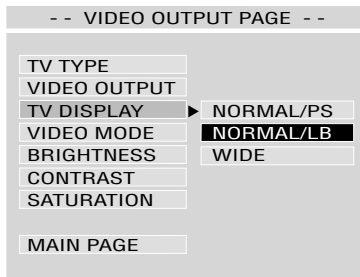
4 Press ▲▼ to select **NORMAL/PS, NORMAL/LB, or WIDE,** then press **OK.**
   • Select NORMAL/PS (pan & scan) if you want both sides of the picture to be trimmed or formatted to fit your TV screen. This setting is possible only if the DVD is recorded in pan & scan or regular format. Check the Disc case for details.
   • Select NORMAL/LB (letterbox) if you 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 was recorded in the letterbox or widescreen format. Check the Disc case for details.
   • Select WIDE if you connected the Player to a widescreen TV.

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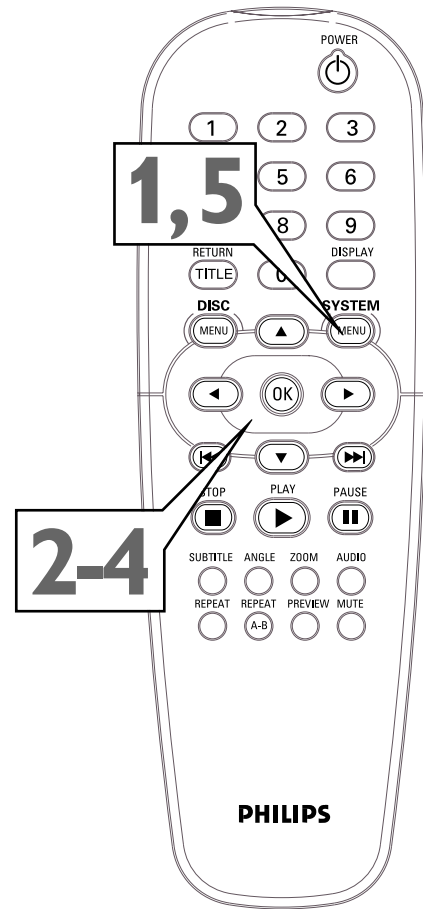
Helpful Hints

• *Most DVDs only play in the format in which they were recorded. For example, if the DVD case says the DVD is recorded in Letterbox or Widescreen format, you can play the DVD only with the black bars showing at the top and bottom of the picture. Even if you set TV DISPLAY to NORMAL/PS, the picture will still show in the wide format.*

• *The format you select must be available on the Disc. If it is not, the settings for TV DISPLAY will not affect the picture during playback.*

• *Some widescreen TVs may show only part of the Player's 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.*

Video Output

If you used S-Video or Component Video connections as described on pages 11-12, set VIDEO OUTPUT to S-VIDEO or YPBPR (for Component Video) by following the steps below. You only need one video connection between the TV and the Player. You cannot use S-Video and Component Video at the same time.

If you used the yellow VIDEO (VIDEO OUT) jack on the Player to connect the Player to the TV, you do not need to adjust the VIDEO OUTPUT setting.

1 Press **SYSTEM MENU.**

2 Press ▼ repeatedly to select **SETUP VIDEO OUTPUT, then press OK.**

3 Press ▼ to select **VIDEO OUTPUT, then press ▶.**

```
- - VIDEO OUTPUT PAGE - -

TV TYPE
VIDEO OUTPUT  ▶  S-VIDEO
TV DISPLAY        YPBPR
VIDEO MODE
BRIGHTNESS
CONTRAST
SATURATION

MAIN PAGE
```
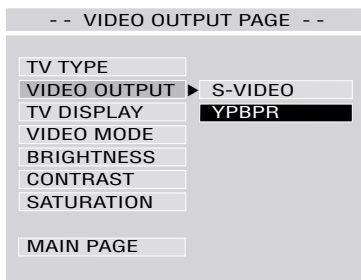
4 Press ▼ or ▲ to select **S-VIDEO or YPBPR, then press OK.**
Choose S-VIDEO if you connected the Player's S-VIDEO (VIDEO OUT) jack to the TV's S-Video In jack as described on page 11. Choose YPBPR if you connected the Player's Y Pb Pr (VIDEO OUT) jacks to your TV's Component Video In jacks as described on page 12.

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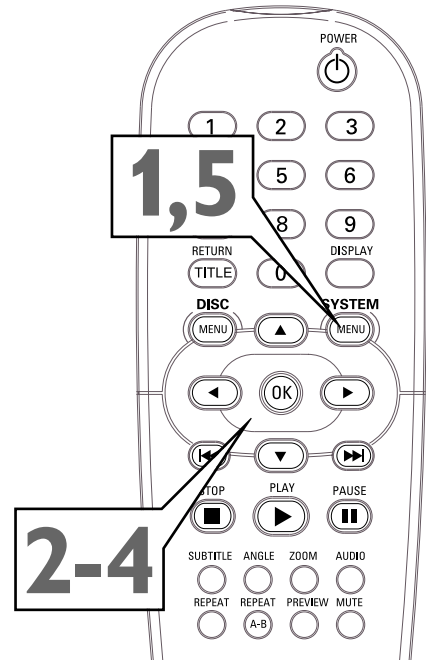
Video Mode

Just as you can adjust your picture on your TV, you can adjust some picture elements at the Player. Choose a picture setting that best displays the Disc you are playing.

1 Press **SYSTEM MENU.**

2 Press ▼ repeatedly to select **SETUP VIDEO OUTPUT, then press OK.**

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

```
- - VIDEO OUTPUT PAGE - -

TV TYPE
VIDEO OUTPUT
TV DISPLAY
VIDEO MODE  ▶  BRIGHT
BRIGHTNESS     STANDARD
CONTRAST       SOFT
SATURATION     PERSONAL

MAIN PAGE
```
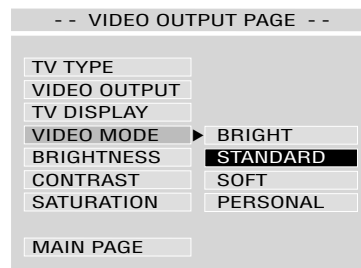
4 Press ▲ or ▼ to select **BRIGHT, STANDARD, SOFT, or PERSONAL, then press OK.** Continue to step 5 on page 35.
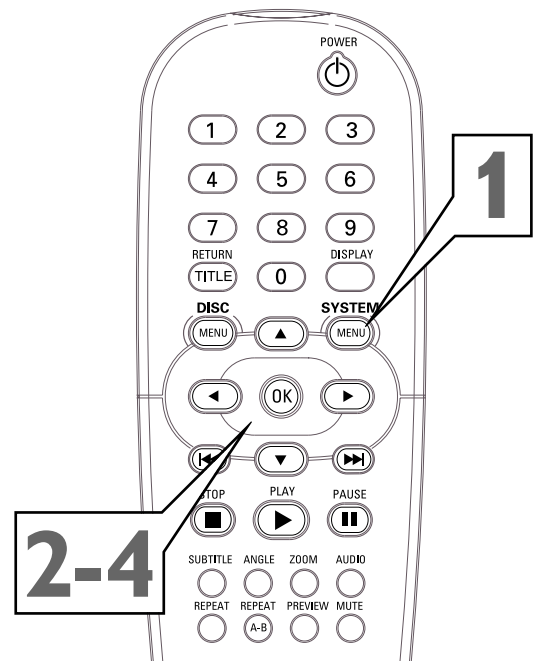
5 If you selected **BRIGHT, STANDARD, or SOFT, you are fin-ished. Press SYSTEM MENU to remove the menus.** Play a Disc for a few minutes in each setting to decide which you prefer. **If you selected PERSONAL, you can adjust specific picture elements for your preference. Go to step 6.**

6 Press ◀ to reselect **VIDEO MODE.**

7 Press ▼ or ▲ to choose **BRIGHTNESS, CONTRAST, or SATURATION. Then, press ▶.**

8 Press ▼ or ▲ to adjust the setting you chose, then press OK. Press ◀ to go back and select another picture setting (BRIGHTNESS, CONTRAST, or SATURATION) as needed. Repeat steps 7-8 until the picture appears as you want it.
• For BRIGHTNESS, choosing a more positive value (+1 to +4) adds white to the picture. Choosing a more negative value (-1 to -4) dark-ens the picture. Choose zero (0) for the average setting.
• For CONTRAST, choosing a more positive value (+1 to +4) adds more contrast or noticeable difference between the black and white in your picture. Increasing the CONTRAST sharpens the picture. Choose a more negative CONTRAST value (-1 to -4) to blur the dis-tinction between black and white in the picture. The picture will not seem as sharp.
• For SATURATION, choose a more positive value (+1 to +4) to increase the color in your picture. To decrease the color in the pic-ture, choose a more negative value (-1 to -4). More negative values make the picture more black and white. Choose zero (0) to balance the color.

- - VIDEO OUTPUT PAGE - -			
TV TYPE	-	-	+4
VIDEO OUTPUT	-	-	+3
TV DISPLAY	-	-	+2
VIDEO MODE	-	-	+1
BRIGHTNESS ▶	- ▆ -		0
CONTRAST	-	-	-1
SATURATION	-	-	-2
	-	-	-3
MAIN PAGE	-	-	-4

- - VIDEO OUTPUT PAGE - -			
TV TYPE	-	-	+4
VIDEO OUTPUT	-	-	+3
TV DISPLAY	-	-	+2
VIDEO MODE	-	-	+1
BRIGHTNESS	- ▆ -		0
CONTRAST ▶	-	-	-1
SATURATION	-	-	-2
	-	-	-3
MAIN PAGE	-	-	-4

- - VIDEO OUTPUT PAGE - -			
TV TYPE	-	-	+4
VIDEO OUTPUT	-	-	+3
TV DISPLAY	-	-	+2
VIDEO MODE	-	-	+1
BRIGHTNESS	- ▆ -		0
CONTRAST	-	-	-1
SATURATION ▶	-	-	-2
	-	-	-3
MAIN PAGE	-	-	-4

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

5,9

6-8

PHILIPS

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. Your TV also operates according to a color system.

This Player is compatible with NTSC and PAL. However, 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. TV TYPE lets you set the Player to match the color systems of your DVD and your TV.

1 Press **SYSTEM MENU.**

2 Press ▼ repeatedly to select **SETUP VIDEO OUTPUT,** then press **OK.**

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

```
         - -  VIDEO OUTPUT PAGE  - -

    TV TYPE          ▶  MULTI
    VIDEO OUTPUT        NTSC
    TV DISPLAY          PAL
    VIDEO MODE
    BRIGHTNESS
    CONTRAST
    SATURATION

    MAIN PAGE
```
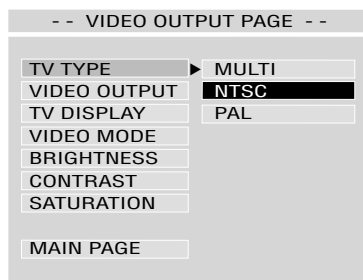
4 Press ▲ or ▼ to select **MULTI, NTSC, or PAL, then press OK.** Choose NTSC if your TV is NTSC-compatible and your DVDs are recorded in NTSC. Choose PAL if your TV is PAL-compatible and your DVDs are recorded in PAL. Choose MULTI if want the Player to automatically select the color system of the current DVD.

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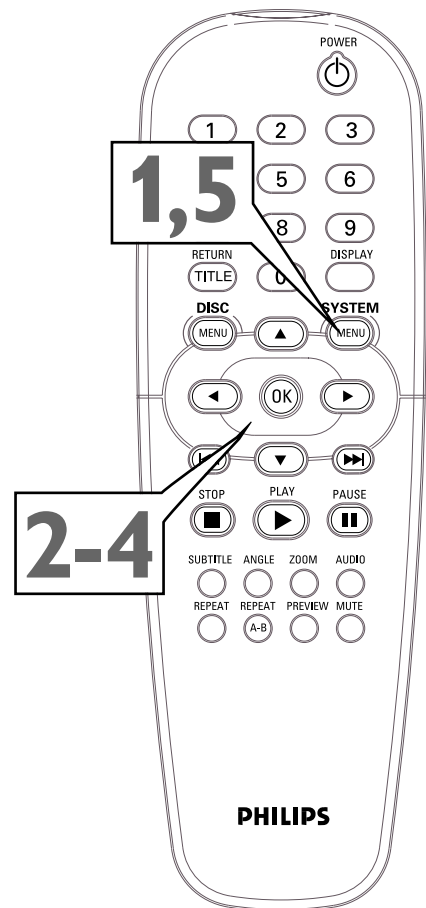
Helpful Hint

- *Your DVD must be recorded in NTSC or PAL. Discs recorded in other color systems will not play on this Player. Check the Disc case for details. NTSC or PAL may appear on the inside ring of the DVD or on the case.*

Speaker Setup

Adjust DOWNMIX according to how you connected the Player to your TV and/or Stereo. Balance the volume during playback by adjusting Dynamic Range Control (D.R.C.).

1 Press **SYSTEM MENU.**

2 Press ▼ to select **SPEAKER SETUP, then press OK.**

3 Press ▲ or ▼ to select **DOWNMIX or D.R.C., then press ► and follow step 4 according to your choice.**

4 • **If you selected DOWNMIX, press ▲ or ▼ to select LT/RT (left/right) or STEREO, then press OK.** Choose LT/RT if you connected the Player to a Stereo that has Dolby Pro Logic. Select STEREO if you connected the Player to a TV or Stereo that has left and right Audio In jacks but does not have Dolby Pro Logic.

```
- - SPEAKER SETUP PAGE - -

DOWNMIX      ►   LT/RT
D . R . C .       STEREO

MAIN PAGE
```
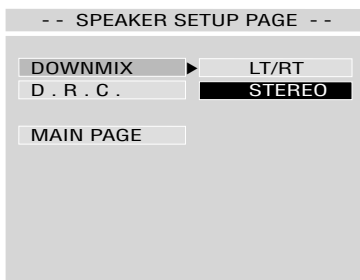
• **If you selected D.R.C., press ▲ or ▼ to select ON or OFF, then press OK.** To level the volume during Disc playback, choose ON. There will not be such a large range between the loudest and softest parts of the sound. To hear the highs and lows of the volume, set D.R.C. to OFF.

```
- - SPEAKER SETUP PAGE - -

DOWNMIX
D . R . C .       ►   ON
                      OFF
MAIN PAGE
```
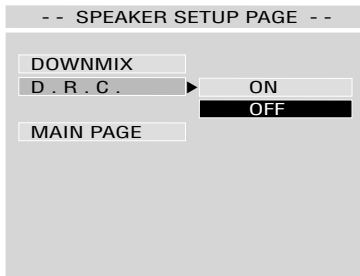
5 Press **SYSTEM MENU to remove the menus.**

3D Sound

Once you set DOWNMIX to LT/RT or STEREO, you can choose whether to activate the fuller 3D (three-dimensional) sound during Disc playback.

1 Press **DISPLAY.**

2 Press ► repeatedly to select **ON or OFF beside 3D. Then, press ▲ or ▼ to choose ON or OFF.**

```
T:   1 / 3       C:   12 / 30
TC:  00:37:58        3D ON
```
DVD example

3 Press **DISPLAY to remove the information box.**
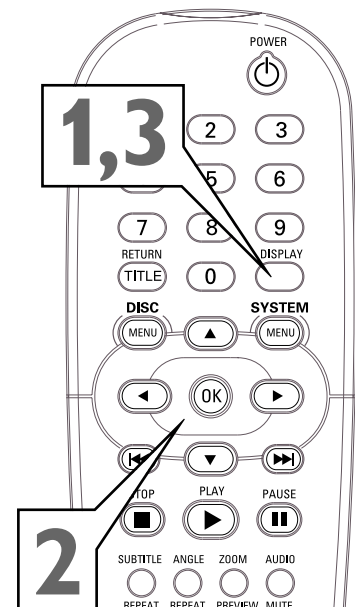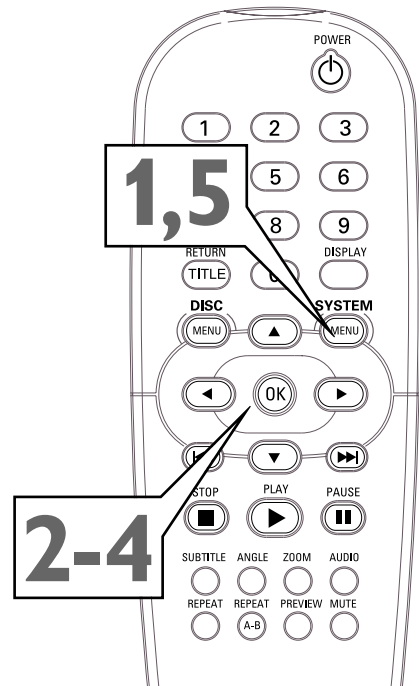
SPDIF Out

SPDIF is the Sony Philips Digital Interface, or a method of transferring digital audio. If you connected the DVD Player to a Stereo using the COAXIAL jack as shown on page 14, adjust the SPDIF OUT setting as described below. If you are not using the COAXIAL jack, no adjustment is necessary.

1 Press **SYSTEM MENU.**

2 Press ▼ repeatedly to select **SPDIF SETUP,** then press **OK.**

3 SPDIF OUT will be selected. **Press ▶.**

```
         - - SPDIF SETUP - -

    SPDIF OUT     ▶  RAW
    LPCM 96K         PCM

    MAIN PAGE
```
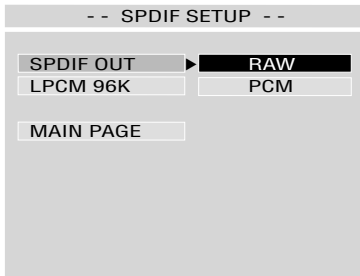
4 Press ▲ or ▼ to select **RAW or PCM, then press OK.** Choose RAW to select the original default audio settings as received by most Stereos. However, if the sound is distorted, your Stereo may need to receive audio in the PCM (pulse code modulation) format. Choose PCM if your Stereo is PCM-compatible. Refer to your Stereo owner's manual for details.

5 Press **SYSTEM MENU** to remove the menus.
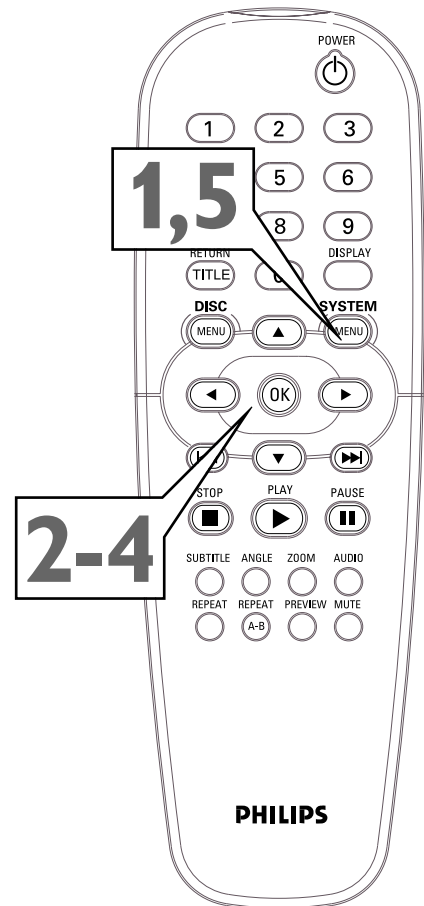
LPCM 96K

If you connected the Player to a Stereo using the COAXIAL jack as shown on page 14, you may need to adjust the LPCM 96K setting.
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. Set LPCM 96K to ON if you want the Player to detect the sampling rate of Discs during playback and automatically choose the best sound available.

1 Press **SYSTEM MENU.**

2 Press ▼ repeatedly to select **SPDIF SETUP,** then press **OK.**

3 Press ▼ to select **LPCM 96K,** then press ▶.

```
         - - SPDIF SETUP - -

    SPDIF OUT
    LPCM 96K      ▶  OFF
                     ON

    MAIN PAGE
```
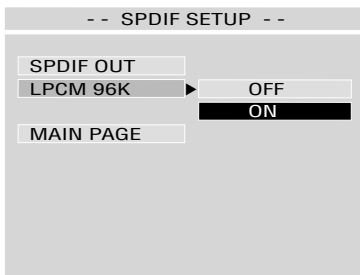
4 Press ▲ or ▼ to select **OFF or ON, then press OK.**

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

You can set the Player's Setup menus and on-screen messages to appear in English, French, or Spanish. This language selection will not affect the languages of DVD Disc or Title menus or any audio or subtitle languages. To change the Player's Setup menu language, follow these steps.

1 Press **SYSTEM MENU.**

2 GENERAL SETUP will be selected. **Press OK.**
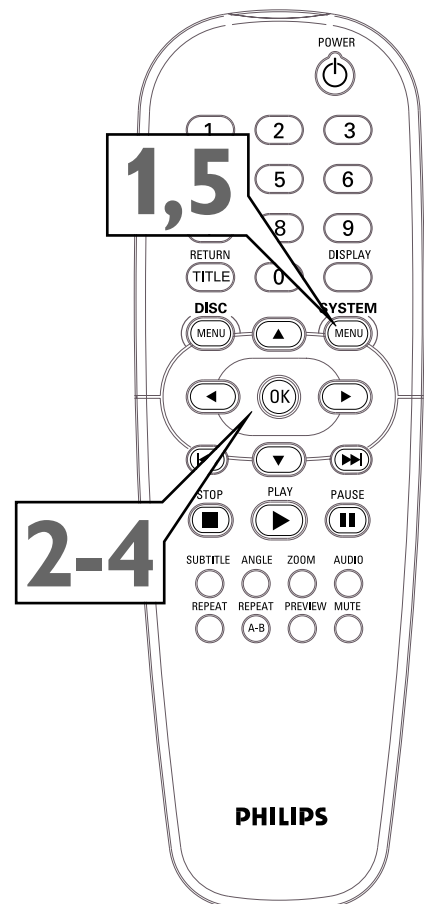
3 Press ▼ repeatedly to select OSD LANG (on-screen display language), then press ▶.

```
       - -  GENERAL PAGE  - -

    DISC LOCK
    PROGRAM
    VFD DIM
    OSD LANG        ▶    ENGLISH
    SCR SAVER            FRENCH
                         SPANISH
    MAIN PAGE
```
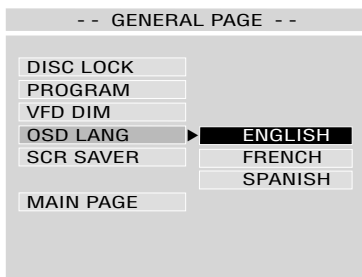
4 Press ▲ or ▼ to select **ENGLISH, FRENCH, or SPANISH,** then press **OK.**

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

1,5

2-4

POWER

PHILIPS
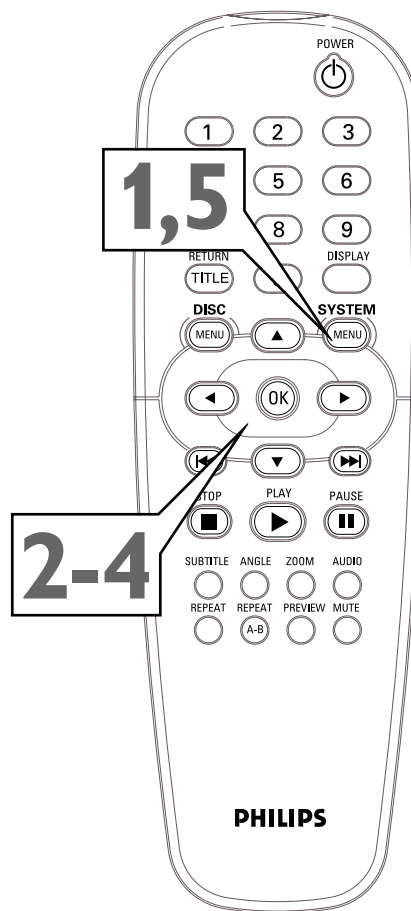
Helpful Hint

• *If you accidentally select FRENCH or SPANISH and need ENGLISH, follow these steps.*
1) Press SYSTEM MENU.
2)The top line (RÉGLAGE GÉNÉRAL or GENERAL CONFIGURACIÓN) will be selected. Press OK.
3)The top line (DISC VERR. or DISC BLOQ.) will be selected. Press ▼ repeatedly to select the fourth item in the menu (LANGUE OSD or OSD IDIOMA), then press ▶.
4) Press ▲ to select the top line (ANGLAIS or INGLÉS), then press OK. The menus will change to English.
5) Press SYSTEM MENU to remove the menus.

Display Dim

You can adjust the brightness of the display panel on the front of the Player. Choose the setting that best enables you to see the display information from a distance. Or, you may want to disable the display completely so it is always dark. Follow the steps below to adjust the brightness of the display panel according to your preference.

1 Press **SYSTEM MENU.**

2 GENERAL SETUP will be selected. **Press OK.**

3 Press ▼ to select VFD DIM, then press ▶.

```
        - - GENERAL PAGE - -

    DISC LOCK
    PROGRAM
    VFD DIM         ▶    100
    OSD LANG             70
    SCR SAVER            40
                        OFF
    MAIN PAGE
```
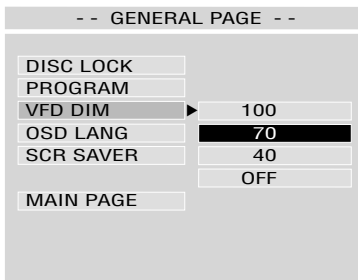
4 Press ▲ or ▼ to select **100 (full brightness), 70 (70% of highest brightness), 40 (40% of highest brightness), or OFF (display panel is dark and shows no information). Then, press OK.** The display will dim or brighten according to your choice.

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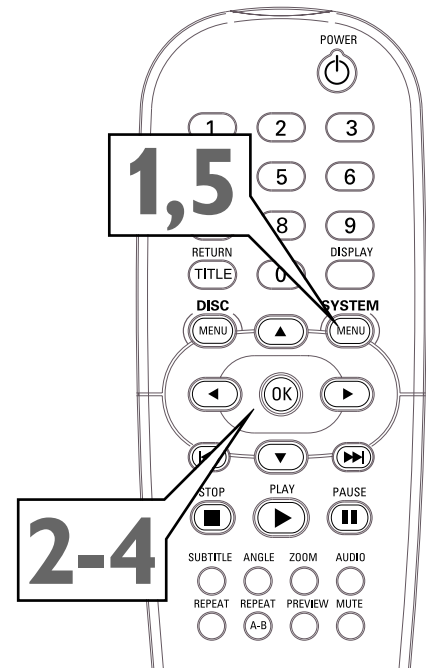
Screen Saver

The Screen Saver is the moving DVD logo that appears on your TV screen when Disc playback is stopped and you do not use the Player or its remote control for about five minutes. The screen saver prevents damage to your TV screen caused by leaving a still image on the TV too long.

1 Press **SYSTEM MENU.**

2 GENERAL SETUP will be selected. **Press OK.**

3 Press ▼ **repeatedly to select SCR SAVER (screen saver), then press ▶.**

```
        - - GENERAL PAGE - -

    DISC LOCK
    PROGRAM
    VFD DIM
    OSD LANG
    SCR SAVER       ▶    ON
                        OFF
    MAIN PAGE
```
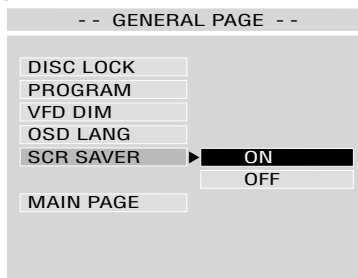
4 Press ▲ or ▼ to select **ON or OFF, then press OK.** Choose ON to have the Screen Saver appear on your TV screen when you have not used the Player for approximately five minutes. To disable the screen saver, choose OFF. A dark blue Philips DVD background screen will appear when playback is stopped and you are not using the Player.
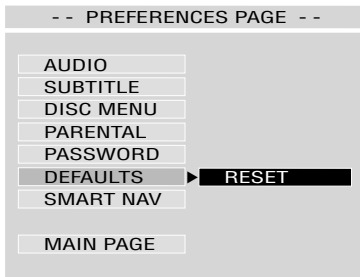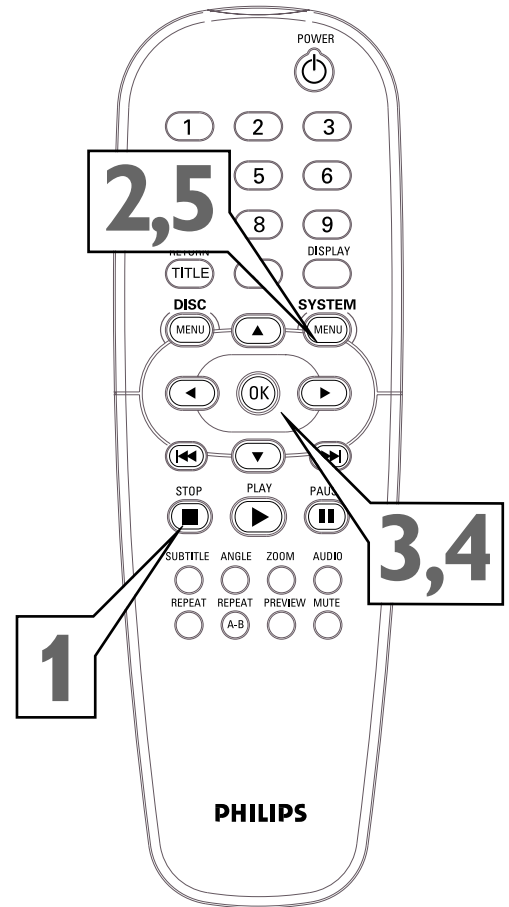
5 Press **SYSTEM MENU to remove the menus.**
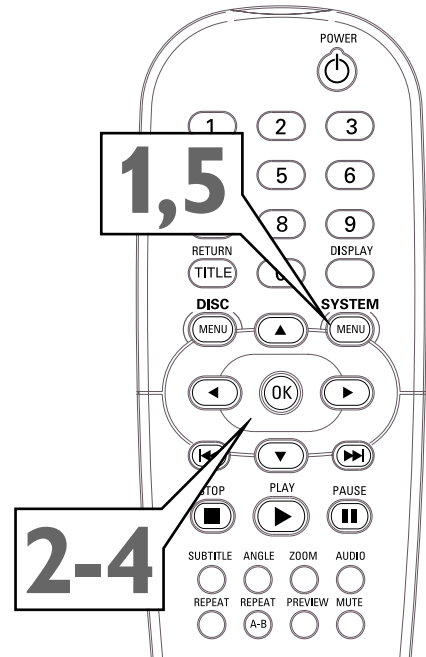
To restore the original settings of the Player, follow the steps below.

1 **Press STOP ■** *twice* **to stop Disc playback completely.**

2 **Press SYSTEM MENU.**

3 **Press ▼ repeatedly to select PREFERENCES, then press OK.**
You can select PREFERENCES only if you have completely stopped
DVD playback by pressing STOP ■ twice as directed in step 1.

4 **Press ▼ repeatedly to select DEFAULTS, then press ▶ to**
select RESET, then press OK. This restores the original settings
of the Player.

```
- -  PREFERENCES PAGE  - -

   AUDIO
   SUBTITLE
   DISC MENU
   PARENTAL
   PASSWORD
   DEFAULTS      ▶  RESET
   SMART NAV

   MAIN PAGE
```

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

42 Helpful Hints

If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.
If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is on the rear 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 down POWER ON/OFF on the front of the Player. To use the POWER ⏻ button on the remote control to turn on the Player, the POWER ON/OFF button on the front of the Player must be depressed (the : will show on the display panel).
• Make sure you connected the Player's power cord 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 DVD playback or the blue Philips DVD background screen or the Player's screen saver on the TV.
• You only need one video connection between the Player and the TV. *Details are on page 9.*
• Adjust VIDEO OUTPUT if you used S-Video or Component Video. *Details are on page 34.*

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

The picture is distorted, the picture rolls, or the picture is only black and white.
• TVs have a color system standard, usually NTSC in the United States. If the Disc's or Player's color system is different than your TV's color system, the picture may be distorted or colorless. Adjust the TV TYPE setting. *Details are on page 36.*
• Check the VIDEO OUTPUT setting. *Details are on page 34.* If you connected the Player to a TV using S-Video cable (as described on page 11), set VIDEO OUTPUT to S-VIDEO. If you connected the Player to a TV using Component video cable (red, green, and blue as described on page 12), set VIDEO OUTPUT to YPBPR.
   If VIDEO OUTPUT is incorrect (for example, you used S-Video cable but VIDEO OUTPUT is set to YPBPR), the picture may be black and white until you correct the VIDEO OUTPUT setting.
   If you connected the Player to a TV using the supplied yellow video cable (as described on page 10) or with an RF modulator, adjusting VIDEO OUTPUT does not affect the picture.

The sound is distorted or there is no sound during Disc playback.
• Make sure you did not connect any cables from the Player to a Stereo's "PHONO IN" jack.
• Make sure you did not connect the COAXIAL Digital Audio Out jack on the Player to an analog jack on the Stereo. (Analog audio jacks are usually labeled as such and are usually red and white.)
• Press AUDIO on the remote control to choose a different audio option.

No sound
• Check the audio connections. *Details are on pages 9-14.* Remember, you only need one audio connection. See page 9 to see what connection best suits your situation.
• Make sure cables are connected firmly to all equipment.
• Select another channel, sound source, or Auxiliary station at your Stereo or TV. See your Stereo's manual or TV's 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 9-14.*
• Make sure your SPDIF OUT and SPEAKER SETUP settings match the capabilities of your Stereo or TV. *Details are on pages 37-38.*
• Check the Audio setting of a DVD in the DVD Disc Menu, if available, and adjust as necessary.
• Press AUDIO on the remote control to choose a different audio option.

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 when you place the Disc in the Player. *Details are on page 15.*
• Check the Parental Controls. *Details are on pages 27-29.*
• Check the Region Code of the DVD. The DVD 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 6.*

An Audio CD will not play.
• Some Audio CDs available on the market are copy protected. These discs will not play on this Player. See your retailer for options regarding non-protected Audio CDs.

The DVD logo 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 remote sensor on the front of the Player. *Details are on page 17.* Point the remote control toward the Player, not your TV.
• Remove any obstacles between the Player and the remote control.
• Inspect or replace the batteries in the remote control. *Details are on page 8.*

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, the 🖑 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.
• If you are not seeing closed captions on the TV screen during DVD playback, press SUBTITLE to access the subtitles of the DVD. The DVD must include subtitles in order for you to access the subtitle text.

The Player does not work.
• Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate the Player again as usual.

Strange codes appear on the Player's display.
• Remove and reinsert the Disc.
• Clean the Disc.
• Disconnect the power cord from the power outlet for a few minutes, then reconnect the cord and try playback as usual.

44 Glossary

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

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

CD: Compact Disc.

Chapter: A part of a Title.

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 as heard in movie theaters.

Color system: There are various systems for transmitting television signals, for example PAL, SECAM, and NTSC. NTSC is the most common color system in the United States of America.

Component Video Y Pb Pr Jacks: Green, blue, and red jacks on the rear of the Player that send high-quality video to a TV that has Component Video In jacks.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the Player's COAXIAL jack, which sends audio through multiple channels instead of two channels as analog does.

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

DVD: Digital Video Disc.

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

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 to fit on your TV screen. Some movie companies refer to this as "reformatting the picture to fit your TV screen."

PBC: Playback Control. A special feature on some Video CDs/Super Video CDs that enables interactive use.

PCM: Pulse Code Modulation. A digital audio encoding system.

RGB: Red-Green-Blue. A top-quality video connection where red, green, and blue components of the picture are carried through separate wires. This also is referred to as the component video connection.

S-Video: Produces a clearer picture by sending separate signals for the luminance and the color.

Title: A unit of recording on a DVD.

VCD: Video Compact Disc.

VIDEO OUT Jack: Jack on the rear of the Player that sends video (picture) to a TV.

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

PLAYABLE DISCS
DVD-Video
Super Video CD
Video CD
Audio CD
CD Recordable (CD-R)
CD Rewritable (CD-RW)
MP3-CD
Picture CD

TV STANDARD

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

VIDEO PERFORMANCE
VIDEO (VIDEO OUT)	1 Vpp---75Ω
S-VIDEO (VIDEO OUT)	Y: 1 Vpp---75Ω
	C: 0.3 Vpp---75Ω
Y Pb Pr	Y: 1 Vpp---75Ω
	Pr: 0.7 Vpp---75Ω
	Pb: 0.7 Vpp---75Ω

CABINET
Approximate dimensions:	17.13 x 9.25 x 2.8 inches (w x d x h)
	(435 x 235 x 71 mm)
Approximate weight:	5.5 lbs (2.5 kg)

AUDIO FORMAT
Digital MPEG/AC-3/
DTS Compressed Digital/PCM	16, 20, 24 bits
	fs, 44.1, 48, 96 kHz
MP3 (ISO 9660)	24, 32, 56, 64, 96, 128,
	256 kbps & variable
	bit rate fs, 16, 22.05,
	24, 32, 44.1, 48kHz

Analog Sound Stereo
Dolby Digital Multichannel Surround Sound downmix two channels

AUDIO PERFORMANCE
DA Converter	24 bit	
Signal to Noise (1kHz)	90dB	
Dynamic range (1kHz)	80dB	
DVD	fs 96 kHz	4 Hz -44 kHz
	fs 48 kHz	4 Hz -22 kHz
Super Video CD	fs 48 kHz	4 Hz -22 kHz
	fs 44.1 kHz	4 Hz -20 kHz
Video CD/Audio CD	fs 44.1 kHz	4 Hz -20 kHz

REAR CONNECTIONS
Component Video Out	Cinch (YPbPr) (green/blue/red)
S-Video Out	Mini DIN 4-pins
Video Out	Cinch (yellow)
Audio Out	Cinch (white/red, left/right)
Digital Audio Out	1 coaxial
	IEC958 for Audio CD/LPCM/MPEG1
	IEC1937 for MPEG2, Dolby Digital, and DTS

RENEWED
90 DAY
LIMITED WARRANTY

48 Information Index