

User manual

<p>STOP! Thank you for choosing Philips.</p> <p>Need help fast?</p> <p>Read your Quick Use Guide and/or Owner's Manual first for quick tips that make using your Philips product more enjoyable.</p> <p>If you have read your instructions and still need assistance, you may access our online help at www.usasupport.philips.com or call 1-888-PHILIPS (744-5477) while with your product.</p>	<p>ARRÊT! Philips vous remercie de votre confiance.</p> <p>Besoin d'une aide rapide?</p> <p>Les Guide d'utilisation rapide et Manuel de l'utilisateur regorgent d'astuces destinées à simplifier l'utilisation de votre produit Philips. Toutefois, si vous ne parvenez pas à résoudre votre problème, vous pouvez accéder à notre aide en ligne à l'adresse www.usasupport.philips.com ou formez le 1-800-661-6162 (Francophone) 1-888-PHILIPS (744-5477) (English speaking) Veillez à avoir votre produit à portée de main.</p>	<p>ALTO! Gracias por escoger Philips</p> <p>Necesita ayuda inmediata?</p> <p>Lea primero la Guía de uso rápido o el Manual del usuario, en donde encontrará consejos que le ayudarán a disfrutar plenamente de su producto Philips. Si después de leerlo aún necesita ayuda, consulte nuestro servicio de asistencia en línea en www.usasupport.philips.com o llame al teléfono 1-888-PHILIPS (744-5477) y tenga a mano el producto.</p>
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PHILIPS

Return your Product Registration Card today to get the very most from your purchase.

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification

By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits of Product Ownership

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

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.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

Know these safety symbols



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

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

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus.

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

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

For Customer Use

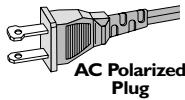
Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.


Model No. _____
Serial No. _____

PHILIPS Visit our World Wide Web Site at <http://www.usasupport.philips.com>

IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions.**
2. **Keep these instructions.**
3. **Heed all warnings.**
4. **Follow all instructions.**
5. **Do not use this apparatus near water.**
6. **Clean only with dry cloth.**
7. **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.**
8. **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. **Do not defeat the safety purpose** of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. **Only use attachments/accessories** specified by the manufacturer.



12.  **Use only with the cart**, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. **Unplug this apparatus** during lightning storms or when unused for long periods of time.
14. **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Battery usage CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:
 - Install **all** batteries correctly, + and - as marked on the unit.
 - Do not mix batteries (**old** and **new** or **carbon** and **alkaline**, etc.).
 - Remove batteries when the unit is not used for a long time.
16. **Apparatus shall not be exposed to dripping or splashing.**
17. **Do not place any sources of danger on the apparatus** (e.g. liquid filled objects, lighted candles).
18. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. **For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance : www.eiae.org.**

EL 6475-E005: 04/01

This warning label is located on the rear panel and inside this laser product.

CAUTION INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
DANGER INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
VARO! AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINANAKYMATTOMAALLE LASERSATEILYLLE. ALA KATSO SATEESEEN.
WARNING! OSYNLIG LASERSTRÄLNING NÄR DENNA DEL ÄR ÖPPNAD. OCH SPÄRREN ÄR LUKOPPLAD. BETRÄKTA EJ STRÅLEN.

or

DANGER - Invisible laser radiation when open. AVOID DIRECT EXPOSURE TO BEAM.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

WARNING

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

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

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

Canada

English:

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.

Français:

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

Class II equipment symbol



This symbol indicates that the unit has a double insulation system

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro-Logic" and the double-D symbol are trademarks of Dolby Laboratories.

ATTENTION

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

ATENCIÓN

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

Important Note:

Due to the numerous versions of new CD-Audio copy protection or enhanced CD-Audio protection recently available on certain discs, Philips is unable to guarantee that this DVD Player is fully compatible with such new discs. Should you have difficulty playing any such CD-Audio discs, kindly refer them to your CD-Audio disc retailer.

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system may require a playability enhancement or upgrade. As DVD technology advances, these enhancements will become common and will be easy to complete. **Go to www.philips.com/support for software upgrade.**

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

General Information

Environmental Information

All unnecessary packaging has been omitted. The packaging has been made easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

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

Laser safety

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

NOTE:
PICTURES SHOWN MAYBE DIFFERENT BETWEEN COUNTRIES.

CAUTION
(WARNING LOCATION: ON THE BACKPLATE OF THE SET)

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

DivX, DivX Certified, and associated logos are trademarks of DivX Networks, Inc and are used under license.



Important Note:
Due to the numerous versions of new CD-Audio copy protection or enhanced CD-Audio protection recently available on certain discs. Should you have difficulty playing any such CD-Audio discs, kindly refer them to your CD-Audio disc retailer.

For Customer Use:

Read carefully the information located at the bottom of your DVD VIDEO player and enter below the Serial No. Retain this information for future reference.

Model No. DVP5900

Serial No. _____

LASER

Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD) 780 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degree



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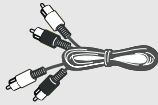
General Information

Supplied accessories

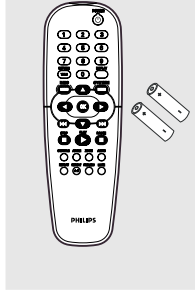
Composite video cable (yellow)



Audio cable (white, red)



Remote Control and two AA batteries



Cleaning discs

To clean a disc, use a micro fibre cleaning cloth and wipe the disc from the center to the edge in a straight line.

CAUTION!

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

Since the optical unit (laser) of the DVD system operates at a higher power than regular DVD or CD players, cleaning CDs intended for DVD or CD players may damage the optical unit (laser). Therefore, refrain from using a cleaning CD.

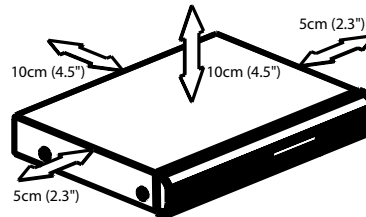
Setup

Finding a suitable location

- Place the set on a flat, hard and stable surface. Do not place the set on a carpet.
- Do not position the set on top of other equipment that might heat it up (e.g., receiver or amplifier).
- Do not put anything under the set (e.g., CDs, magazines).
- Install this system near the AC outlet and where the AC power plug can be reached easily.

Space for ventilation

- Place the apparatus in a location with adequate ventilation to prevent internal heat build up. Allow at least 10 cm (4.5") clearance from the rear and the top of the set and 5cm (2.3") from the left and right to prevent overheating.



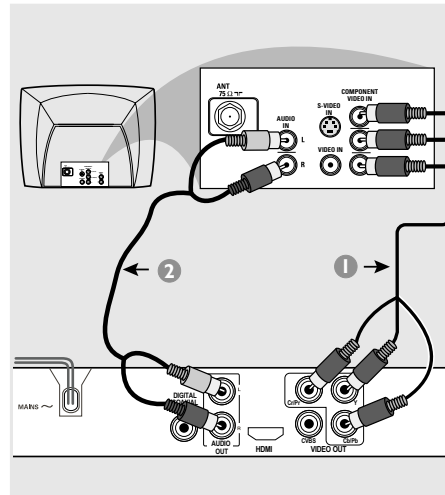
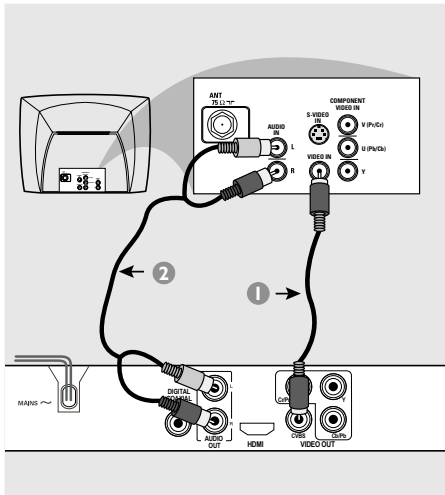
Avoid high temperatures, moisture, water and dust

- Apparatus shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the apparatus (e.g., liquid filled objects, lighted candles).

Connections

English

Connecting TV



IMPORTANT!

- You only need to make **one** video connection from the following options, depending on the capabilities of your TV system.
- Connect the DVD system directly to the TV.

Using Composite Video jacks (CVBS)

- 1 Use the composite video cable (yellow) to connect the DVD Player's CVBS (VIDEO) jack to the video input jack (or labeled as A/V In, Video In, Composite or Baseband) on the TV (cable supplied).
- 2 To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the TV (cable supplied).

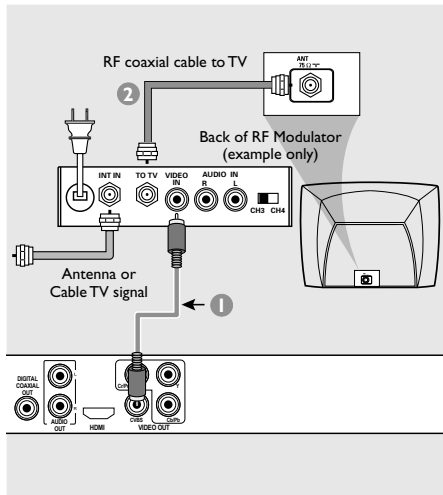
IMPORTANT!

- The progressive scan video quality is only possible when using **Y Pb Pr** and a progressive scan TV is required.

Using Component Video jacks (Y Pb Pr)

- 1 Use the component video cables (red/blue/green) to connect the DVD system's **Y Pb Pr** jacks to the corresponding Component video input jacks (or labeled as Y Pb Pr) on the TV (cable not supplied).
- 2 To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the TV (cable supplied).
- 3 Proceed to page 19 for detailed Progressive Scan set up.

Connections



IMPORTANT!

– If your TV only has a single Antenna In jack (or labeled as 75 ohm or RF In,) you will need an RF modulator in order to view the DVD playback on the TV. See your electronics retailer for details on RF modulator availability and operations.

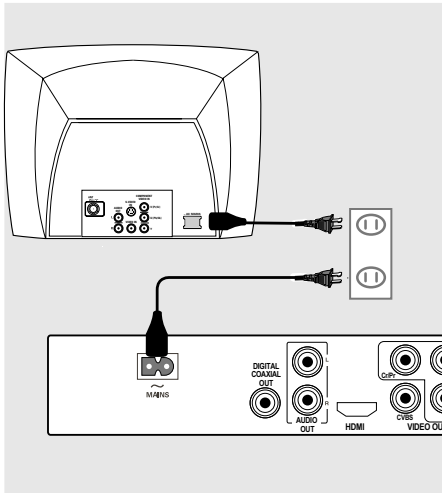
Using an accessory RF modulator

- ① Use the composite video cable (yellow) to connect the DVD Player's **CVBS** jack to the video input jack on the RF modulator.
- ② Use the RF coaxial cable (not supplied) to connect the RF modulator to your TV's RF jack.

Connections

English

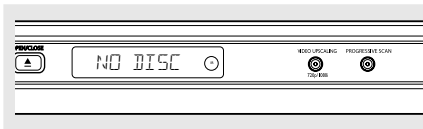
Connecting the power cord



After everything is connected properly, plug in the AC power cord to the power outlet.

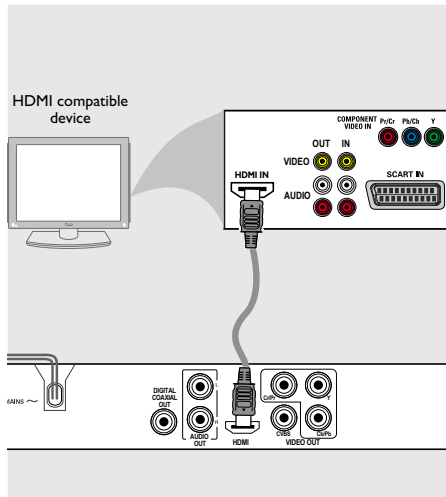
Never make or change any connections with the power switched on.

When no disc is loaded, **press STANDBY ON** on the DVD Player front panel, **“NO DISC”** may appear on the display panel.



Connections

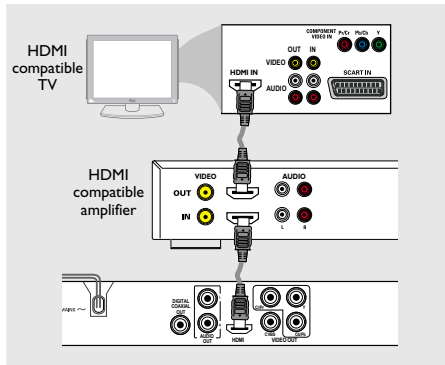
Optional: Connecting to a HDMI compatible device



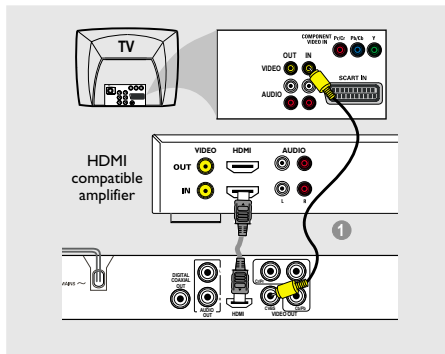
Using HDMI (High Definition Multimedia Interface) sockets

- HDMI connects untouched and uncompressed digital transmission for the highest and crispest sound/image quality.
- It has plug and play capability using only one cable for both audio/video output.
- Use a HDMI cable (*not supplied*) to connect the HDMI OUT on the DVD Player to HDMI IN on an HDMI compatible device (eg.; PC, DVD Player, Set Top Box).
 - It may take a while for the DVD player and input device to communicate and initialise.
 - Playback starts automatically.
- The HDMI is backward compatible with some DVI devices using an appropriate adaptor plug.
 - If a DVI device is connected, an additional audio cable will be needed for audio transmission.
 - This DVD player supports HDCP compliance devices only.

- To enjoy optimum multi-channel surround sound



- To enjoy optimum multi-channel surround sound without HDMI-compatible television



- Most older DVI enable devices are not HDCP compliant and playback is not possible.
 - A pop-up menu will appear on the TV screen.

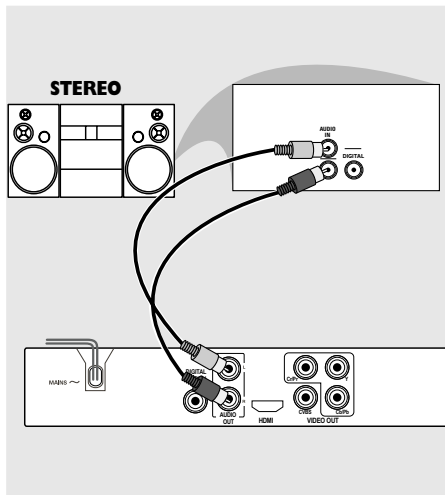
Helpful hint:

– *HDCP (High-bandwidth Digital Content Protection) is a specification that provides a secure transmission of digital contents between different devices (to prevent unauthorised copy-right).*

Connections

English

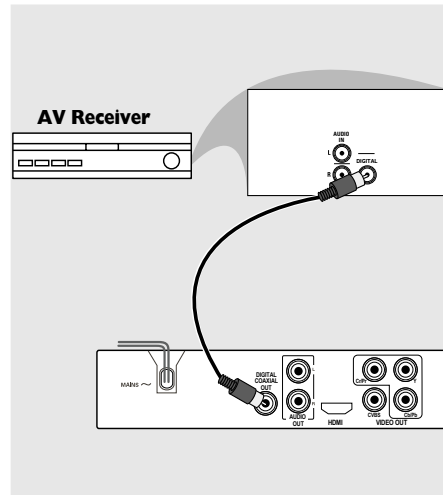
Optional: Connecting to an Audio System



Stereo system has Dolby Pro Logic or Right / Left Audio In jack

- 1 Select one of the video connections (CVBS VIDEO IN or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Use the audio cables (white/red) to connect **AUDIO OUT (L/R)** jacks of the DVD Player to the corresponding AUDIO IN jacks on the stereo system (cable supplied).

Optional: Connecting Digital AV Receiver



Receiver has a PCM, Dolby Digital, or MPEG2 decoder

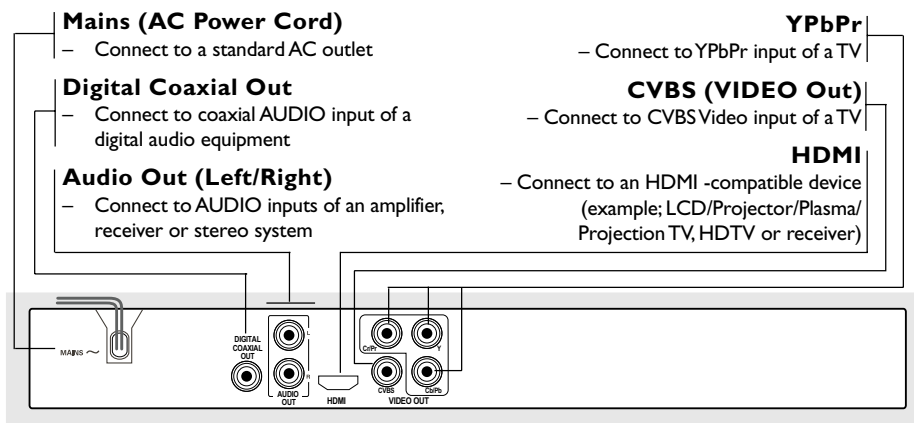
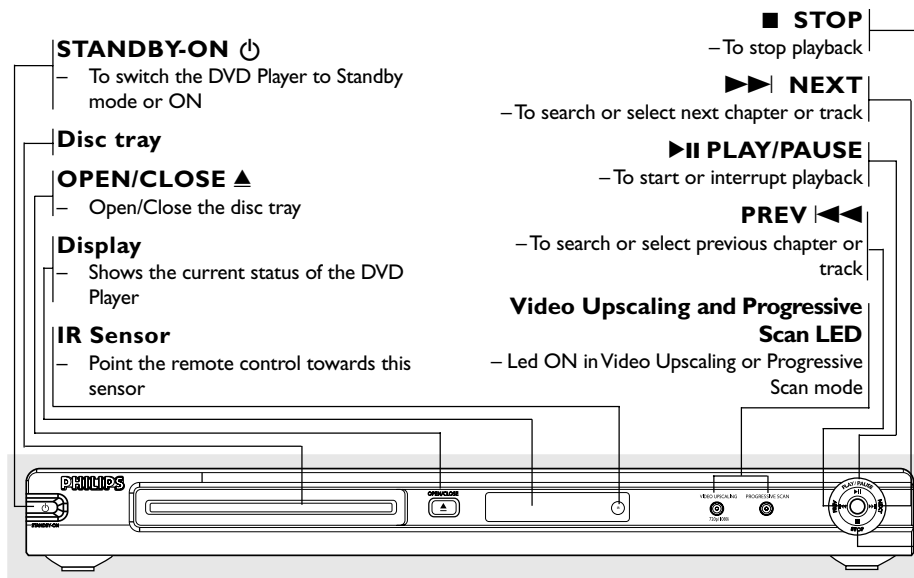
- 1 Select one of the video connections (CVBS VIDEO IN or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Connect the COAXIAL jack of the DVD Player to the corresponding Digital Audio In jack on your Receiver (cable not supplied).
- 3 Set the DVD Player's Digital Output to PCM or ALL depending on the capabilities of your Receiver (see page 33 "Digital Output").

Helpful Hint:

– If the audio format of the Digital Output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.

Functional Overview

Front and Rear Panels

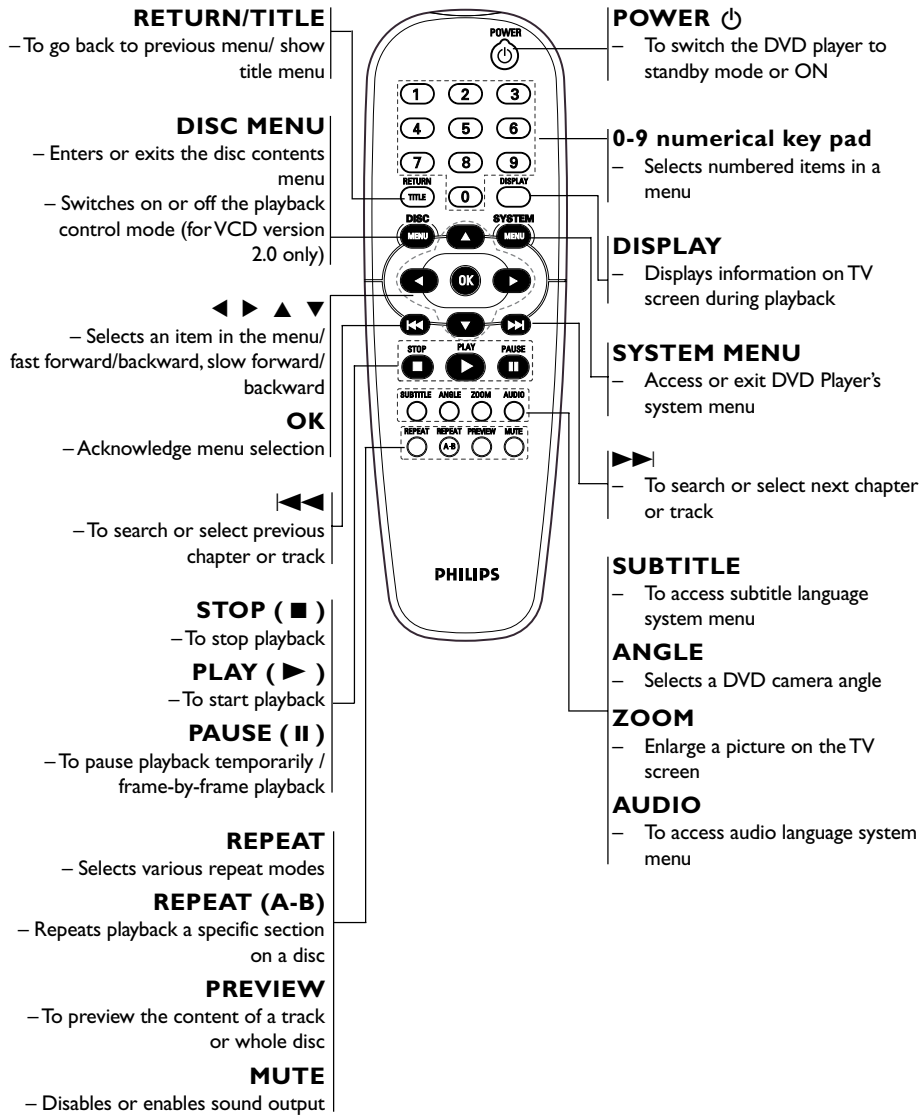


Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

Functional Overview

English

Remote Control



Getting Started

English

Setting up Progressive Scan feature (for Progressive Scan TV only)

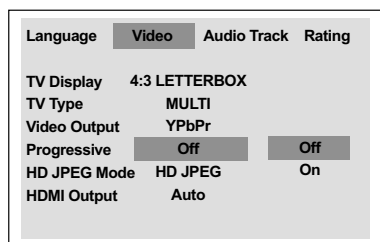
The progressive scan display twice the number of frames per seconds than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

IMPORTANT!

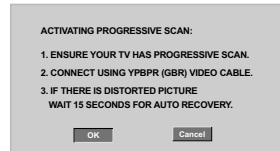
Before enabling the progressive scan feature, you must ensure:

- 1) Your TV can accept progressive signals, a progressive scan TV is required.
- 2) You have connected the DVD player to your TV using Y Pb Pr (see page 11.)

- 1 Turn on your TV.
- 2 Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual.)
- 3 Press **POWER** on the remote control to turn on the DVD player.
- 4 Select the correct Video Input channel. (See page 18).
→ The DVD background screen appears on the TV.
- 5 Press **SYSTEM MENU**.
- 6 Press **▶** to select {Video}, then press **OK** to confirm.



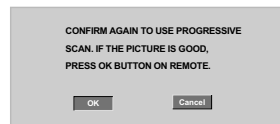
- 7 Select {Video Output} to {YPbPr}, then press **OK** to confirm.
- 8 Select {Progressive} to {On}, then **OK** to confirm.
→ The below menu will appear on the TV.



- 9 Press **◀** to highlight **OK** in the menu and press **OK** to confirm.

There will be a distorted picture on your TV at this state until you turn on the progressive scan mode on your TV.

- 10 Turn on your TV progressive scan mode (refer to your TV user manual.)
→ The below menu appears on the TV.



- 11 Press **◀** to highlight **OK** in the menu and press **OK** to confirm.
→ The set up is complete now and you can start enjoy the high quality picture.

If no picture:

- Wait for 15 seconds for auto recovery.
OR
- 1 Press **OPEN CLOSE ▲** on the DVD system to open the disc tray.
- 2 Press **▶** followed by **AUDIO** the remote control.
→ The DVD background screen will appear on the TV.

Helpful Hint:

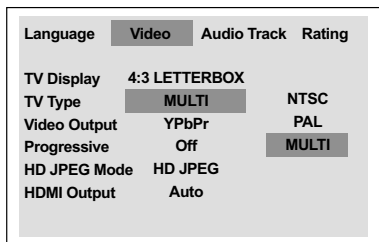
– There are some progressive scan TV and High-Definition TV sets that are not fully compatible with this DVD system, resulting in the unnatural picture when playing back a DVD VIDEO disc in the progressive scan mode. In such a case, turn off the progressive scan feature on both the DVD system and your TV set.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

Getting Started

Selecting the colour system that corresponds to your TV

This DVD Player is compatible with both NTSC and PAL. In order for a DVD disc to play on this Player, the colour system of the Disc, the TV and the DVD Player should match.



- 1 Press **SYSTEM MENU**.
- 2 Press **▶** repeatedly to select {Video}, then press **OK**.
- 3 Press **▲ ▼** to select {TV Type}.
- 4 Enter its submenu by pressing **OK**.
- 5 Press **▲ ▼** to highlight one of the options below:

PAL – Select this if the connected TV is PAL system. It will change the video signal of a NTSC disc and output in PAL format.

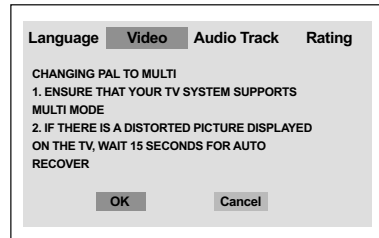
NTSC – Select this if the connected TV is NTSC system. It will change the video signal of a PAL disc (VCD only) and output in NTSC format.

MULTI – Select this if the connected TV is compatible with both NTSC and PAL (multi-system). The output format will be in accordance with the video signal of the disc.

- 6 Select an item and press **OK**.
→ Follow the instructions show on the TV to confirm the selection (if any).

Helpful Hints:

- Before changing the current TV Type setting, ensure that your TV supports the 'selected TV Type' system.
- If there is no proper picture on your TV, wait for 15 seconds for auto recovery.



To reset to default TV colour system:

- Wait for 15 seconds for auto recovery.
OR
- 1 Press **OPEN CLOSE ▲** on the DVD system to open the disc tray.
- 2 Press **▶** followed by **SUBTITLE** the remote control.
→ The DVD background screen will appear on the TV.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

Getting Started

English

Step 3: Setting language preference

You can select your preferred language settings. This DVD Player will automatically switch to the language for you whenever you load a disc.

Setting the OSD Language

The On-screen language for the system menu will remain as you set it, regardless of various disc languages.

Language	Video	Audio Track	Rating
OSD Language	English	English	
DVD Subtitle	English	Français	
Audio Track	English	Deutsch	
DVD Menu	English	Italiano	
DivX Subtitle	Cent. Eur.	Español	
		Portugiesisch	
		Holandés	
		Danisk	
		Norsk	

- 1 Press **SYSTEM MENU**.
- 2 Press **▶** to select {Language}, then press **OK**.
- 3 Press **▲▼** to select {OSD Language}.
- 4 Enter its submenu by pressing **OK**.
- 5 Press **▲▼** to select a language and press **OK**.

Setting the Audio, Subtitle and DVD menu language

You can choose your own preferred language or soundtrack from audio, subtitles and DVD menu languages. If the language selected is not available on the disc, the disc's default language will be used instead.

Language	Video	Audio Track	Rating
OSD Language	English	English	
DVD Subtitle	English	Français	
Audio Track	English	Deutsch	
DVD Menu	English	Italiano	
DivX Subtitle	Cent. Eur.	Español	
		Portugiesisch	
		Holandés	
		Danisk	
		Norsk	

- 1 Press **SYSTEM MENU**.
- 2 Press **▶** to select {Language}, then press **OK**.
- 3 Press **▲▼** to select one of the options below at a time, then press **OK**.
 - 'DVD Subtitle' (disc's subtitles)
 - 'Audio Track' (disc's soundtrack)
 - 'DVD Menu' (disc's menu)
- 4 Press **▲▼** to select a language and press **OK**.
- 5 Repeat steps 3~4 for other language settings.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

Disc Operations

IMPORTANT!

- Depending on the DVD or VIDEO CD, some operations may be different or restricted.
- Do not push on the disc tray or put any objects other than disc on the disc tray. Doing so may cause the disc player malfunction.

Playable Discs

Your DVD Player will play:

- Digital Versatile Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Digital Video Discs + Recordable [Rewritable] (DVD+R[W])
- Compact Discs (CDs)
- MP3 discs, picture (JPEG) files on CD-R(W).
 - JPEG/ISO 9660 format
 - Maximum 15 characters display.
- Supported sampling frequencies :
 - 32 kHz, 44.1 kHz, 48 kHz (MPEG-1)
 - 16 kHz, 22.05 kHz, 24 kHz (MPEG-2)
- Supported Bit-rates : 32~256 kbps (MPEG-1), 8~160 kbps (MPEG-2) variable bitrates
- DivX disc on CD-R[W]/DVD+R[W]:
 - DivX 3.11, 4.x and 5.x
 - Q-pel accurate motion compensation
 - Global Motion Compensation (GMC) playback
- Maximum files/folders per disc:
 - Maximum files displayed 1,500
 - Maximum folders 150



Region Codes

This DVD Player is designed to support the Region Management System. Check the regional code number on the disc package. If the number does not match the Player's region number (see table below), the Player may be unable to playback the disc.

Helpful Hints:

- It may not be possible to play CD-R/RW or DVD-R/RW in all cases due to the type of disc or condition of the recording.
- If you are having trouble playing a certain disc, remove the disc and try a different one. Improperly formatted disc will not play on this DVD Player.

Region	Discs that can be played (Example)
U.S.A. and Canada regions	 
U.K and Europe regions	 
Asia Pacific, Taiwan, Korea	 
Australia, New Zealand, Latam	 
Russia and India regions	 
China, Calcos Islands, Walls and Futuna Islands	 

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

Disc Operations

IMPORTANT!

If the inhibit icon (Ø) appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.

Playing discs

- 1 Connect the power cords of the DVD Player and TV (and any optional stereo or AV receiver) to a power outlet.
- 2 Turn on the TV power and set to the correct Video In channel. (See page 18 "Setting up the TV").
- 3 Press **STANDBY-ON** on the DVD Player front panel.
→ You should see the DVD background screen on the TV.
- 4 Press **OPEN/CLOSE ▲** button to open the disc tray and load in a disc, then press the same button again to close the disc tray.
→ Make sure the label side is facing up. For double-sided discs, load the side you want to play facing up.
- 5 Playback will start automatically. If not press **PLAY ►**.
→ If a disc menu appears on the TV, see "Using the Disc Menu".
→ If the disc is locked by parental control, you must enter your four-digit password. (See page 35-36).
- 6 At any time, simply press **STOP** to stop playback.

Using the Disc Menu

Depending on the disc, a menu may appear on the TV screen once you load the disc.

To select a playback feature or item

- Use the ◀▶ ▲ ▼ or **numeric keypad (0-9)** on the Remote Control, then press **PLAY ►** to start playback.

To access or exit from the menu

- Press **DISC MENU** on the Remote Control.

For VCD with Playback Control (PBC) feature (version 2.0 only)

PBC playback allows you to play Video CDs interactively, following the menu on the display.

- In stop mode, use the **numeric keypad (0-9)** to select a track and PBC will turn off.
→ Playback will start automatically
- During playback, press **DISC MENU**;
→ If PBC was ON, it will switch to OFF and continue playback.
→ If PBC was OFF, it will switch to ON and return to menu screen.
- During playback, pressing **RETURN/TITLE** will return to the menu screen (if PBC is on).

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

Disc Operations

Basic playback controls

Unless otherwise stated, all operations described are based on the use of Remote Control.

Pausing playback (DVD/VCD/CD/MP3)

- 1 During playback, press **PAUSE II**.
→ Playback will pause and sound will be muted.
- 2 Press **PAUSE II** again to select the next picture frame.
- 3 To return to normal playback, press **PLAY ►**.

Selecting track/chapter (DVD/CD)

- 1 Press **►►** briefly during playback to go to the next chapter/track
- 2 Press **◄◄** to go to the previous track or chapter.
- 3 To go directly to any chapter/track, enter the chapter/track number using the numerical keys (0-9).

Resuming playback from the last stopped point (DVD/VCD/CD)

- Press **STOP ■** once to activate the auto resume mode.
- Press **PLAY ►** and the disc will play from the last point.
- Press **STOP ■** to cancel the resume mode.

Zoom (DVD/VCD/JPEG)

Zooming allows you to enlarge or reduce the video image during playback.

- 1 Press **ZOOM** repeatedly to increase and decrease the playback video image.
- 2 Press **◄►▲▼** to pan across the TV screen (JPEG).

Repeat (DVD/VCD)

- Press **REPEAT** continuously to choose a Repeat mode during playback.

REPEAT CHAPTER (DVD)

– to repeat playback of the current chapter.

REPEAT TITLE (DVD)

– to repeat playback of the current title.

REPEAT SINGLE (VCD)

– to repeat playback of the current track.

REPEAT ALL (VCD)

– to repeat playback of all the disc.

OFF (DVD/VCD)

– to cancel the repeat mode.

Helpful Hint:

– *REPEAT function is not available for VCD 2.0 when PBC is on.*

Repeat A-B (DVD/VCD/CD)

- 1 Press **REPEAT A-B** at your chosen starting point.
- 2 Press **REPEAT A-B** again at your chosen end point.
→ The section will now repeat continuously.
- 3 To exit the sequence, press **REPEAT A-B**.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

Disc Operations

Slow Motion (DVD/VCD)

- 1 Press ▲▼ during playback to select the required speed: 1/2, 1/4 or 1/8 (backward or forward).
→ Sound will be muted.
- 2 To return to normal speed, press **PLAY ►**.

Forward / Reverse Searching (DVD/VCD/CD)

- 1 Press ◀▶ during playback to select the required speed: 2X, 4X, 8X or 20X (backward or forward).
→ Sound will be muted (DVD/VCD) or intermittent (CD).
- 2 To return to normal speed, press **PLAY ►**.

Preview (DVD/VCD)

The Time Search function allows you to start playing at any chosen time on the disc.

- 1 Press **PREVIEW**.
- 2 Use ◀▶ keys to select an option.
- 3 Enter hours, minutes and seconds from left to right in the time edit box using remote control numerical key pad. (e.g. 0:34:27)

For DVD

- Time (example - 00:34:27)
- Title/Chapter (example - 000/008)

For VCD

- Track Search (example - 00:30:00)
- Track (example - 001)

- 4 Press the **OK** key to confirm.
→ Playback starts from the selected time on the disc.

English

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

Disc Operations

Special DVD Features

Playing a Title

- 1 Press **DISC MENU**.
→ The disc title menu appears on the TV screen.
- 2 Use **▲ ▼ ◀ ▶** keys or **numeric keypad (0-9)** to select a play option.
- 3 Press **OK** key to confirm.

Camera Angle

- Press **ANGLE** repeatedly to select different desired angle.

Changing the Audio Language

For DVD

- Press **AUDIO** repeatedly to select different audio languages.

Subtitles

- Press **SUBTITLE** repeatedly to select different subtitle languages.

Playing a DivX disc

This DVD player supports the DivX movie playback that you download from your computer onto a CD-R/RW (see page 36 for more information).

- 1 Load a DivX disc.
→ Playback will start automatically. If not press **PLAY ▶**.
- 2 Pressing **SUBTITLE** on the remote control will turn on or off the subtitle.
- 3 If the disc has supported subtitle files (srt/sub/ssa/txt/ass/smi), you'll be prompt to select the DivX subtitle file.
- If multilingual subtitles are embedded on the DivX disc, pressing **SUBTITLE** will change the subtitle language during playback.

Helpful Hint:

– For external subtitles, the system will display a list of available subtitles, select one of the DivX movies subtitle and press **PLAY**.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

Disc Operations

Playing MP3/JPEG Picture CD

This player can playback MP3, JPEG, or Picture CD files on a personally recorded CD-R/RW disc or commercial CD.

IMPORTANT!

You have to turn on your TV and set to the correct Video In channel. (See page 18 "Setting up the TV").

General Operation

- 1 Load a disc.
→ Playback will start automatically. If not press **PLAY** ►.
- Press **STOP** to display disc menu on the TV screen.
- 2 Use ◀▶▲▼ to select a file and press **OK** to open the file.

JPEG 6/103	
Images	
1. image 1	8. image 8
2. image 2	9. image 9
3. image 3	10. image 10
4. image 4	11. image 11
5. image 5	12. image 12
6. image 6	13. image 13
7. image 7	14. image 14

MP3 1/10	
MP3	
1. music 1	8. music 8
2. music 2	9. music 9
3. music 3	10. music 10
4. music 4	
5. music 5	
6. music 6	
7. music 7	

- 3 Use the numeric keypad (0-9) to select and playback the file directly.

Playback selection

During playback, you can;

- Press |◀◀/▶▶| to select another file in the current folder.
- Press **ANGLE** on the remote to rotate the picture files.
- Press **II** / ► repeatedly to pause/resume playback.

TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

Repeat

- Press **REPEAT** continuously to access different 'Play Mode'.

REPEAT SINGLE

- to repeat playback of the current file.

REPEAT ALL

- to repeat playback of all files in the disc.

OFF

- to cancel the repeat mode.

Zoom picture (JPEG/ DivX)

- During playback, press **ZOOM** repeatedly to display the picture with different scales.
- Use ◀▶▲▼ to view the zoomed picture.

Preview (JPEG)

This function shows the content of the current folder or the whole disc.

- 1 Press **PREVIEW** during playback.
→ Thumbnails of 9 pictures appears on the TV screen.

(example for 9 thumbnail pictures display)



- 2 Press |◀◀/▶▶| to display the other pictures on the previous/next page.
- 3 Use ◀▶▲▼ to highlight one of the picture and press **OK** to start playback.
- 4 Press **PREVIEW** to return to the disc menu.

DVD Setup Menu Options

This DVD Player setup is carried out via the TV, enabling you to customise the DVD Player to suit your particular requirements.

Language

- 1 Press **SYSTEM MENU**.
- 2 Press **▶** to select {Language}.
- 3 Press **OK** to confirm.

Language	Video	Audio Track	Rating
OSD Language		English	
DVD Subtitle		English	
Audio Track		English	
DVD Menu		English	
DivX Subtitle		Cent. Eur.	

OSD Language

This menu contains various language options for display language on the screen. For details, see page 21.

Audio, Subtitle, DVD Menu

These menus contain various language options for audio, subtitle and DVD menu which may be recorded on the DVD disc. For details, see page 21.

Setting the DivX Subtitle font

You can set the font type that supports the recorded DivX subtitle.

Language	Video	Audio Track	Rating
OSD Language		English	
DVD Subtitle		English	
Audio Track		English	
DVD Menu		English	
DivX Subtitle		Cent. Eur.	Standard
			Cent. Eur.
			Cyrillic
			中文

- 1 In 'Language', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {DivX Subtitle}, then press **OK**.
- 3 Press **▲▼** to highlight one of the options below:

Standard

Albanian, Danish, Dutch, English, Finnish, French, Gaelic, German, Italian, Kurdish (Latin), Norwegian, Portuguese, Spanish, Swedish and Turkish.

Central European

Albanian, Croat, Czech, Dutch, English, German, Hungarian, Irish, Polish, Romanian, Slovak, Slovene and Sorbian.

Cyrillic

Bulgarian, Belorussian, English, Macedonian, Moldavian, Russian, Serbian and Ukrainian.

中文

Simplified Chinese

- 4 Press **▲▼** to select a setting, then press **OK** to confirm your selection.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

DVD Setup Menu Options

Video Setup

- 1 Press **SYSTEM MENU**.
- 2 Press **▶** repeatedly to select {Video}.
- 3 Press **OK** to confirm.

Language	Video	Audio Track	Rating
TV Display	4:3 LETTERBOX		
TV Type	MULTI		
Video Output	YPbPr		
Progressive	Off		
HD JPEG Mode	HD JPEG		
HDMI Output	Auto		

TV Type

This menu contains the options for setting the aspect ratio of the DVD Player according to the connected TV. For details, see page 20.

Setting the TV Display

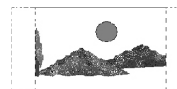
Set the aspect ratio of the DVD Player according to the TV you have connected. The format you select must be available on the disc. If it is not, the setting for TV display will not affect the picture during playback.

Language	Video	Audio Track	Rating
TV Display	4:3 LETTERBOX	4:3 PANSCAN	
TV Type	MULTI	4:3 LETTERBOX	
Video Output	YPbPr	16:9	
Progressive	Off		
HD JPEG Mode	HD JPEG		
HDMI Output	Auto		

- 1 In 'Video', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {TV Display}, then press **OK**.
- 3 Press **▲▼** to highlight one of the options below:

4:3 PANSCAN –

Select this if you have a normal TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.

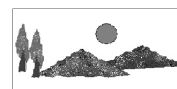


4:3 LETTERBOX –

Select this if you have a normal TV. In this case, a wide picture with black bands on the upper and lower portions of the TV screen will be displayed.



16:9 – Select this if you have a wide-screen TV.



- 4 Select an item and press **OK**.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

DVD Setup Menu Options

Progressive - turning on/off

In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD player's Y Pb Pr jacks to your TV that supports the progressive video input. Otherwise, the a distorted picture will appear on the TV. For proper progressive scan set up, see page 30.

Language	Video	Audio Track	Rating
TV Display	4:3 LETTERBOX		
TV Type	MULTI		
Video Output	YPbPr		
Progressive	Off		Off
HD JPEG Mode	HD JPEG		On
HDMI Output	Auto		

- 1 In 'Video', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {Progressive}, then press **OK**.
- 3 Press **▲▼** to highlight one of the options below:

Off

To disable Progressive Scan function.

On

To enable Progressive Scan function.

- 4 Press **▲▼** to select a setting, then press **OK** to confirm your selection.
 - Follow the instructions shown on the TV to confirm the selection (if any).
 - If a distorted picture appears on the TV screen, wait for 15 seconds for auto recovery.

To reset Progressive Scan to OFF:

- 1 Press **OPEN CLOSE ▲** on the DVD system to open the disc tray.
- 2 Press **▶** followed by **AUDIO** the remote control.
 - The DVD background screen will appear on the TV.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

DVD Setup Menu Options

HD JPEG Mode

You can enjoy unsurpressed pictures at its native resolution via your HDMI connection or progressive scan mode.

Language	Video	Audio Track	Rating
TV Display	4:3 LETTERBOX		
TV Type	MULTI		
Video Output	YPbPr		
Progressive	Off		
HD JPEG Mode	HD JPEG	HD JPEG	480p/576p
HDMI Output	Auto	SD JPEG	720p
			1080i
			Auto

- 1 In 'Video', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {HD JPEG Mode}, then press **OK**.
- 3 Press **▲▼** to highlight one of the options below:

HD JPEG (High Definition JPEG)
Displays picture at the actual resolution.

SD JPEG (Standard Definition JPEG)
Displays picture at suppressed resolution.

- 4 Press **▲▼** to select a setting, then press **OK** to confirm your selection.

HDMI Output

For HDMI connection, you are able to select the video output resolution selection. The available options will be displayed once you have connected the HDMI connection (see page 14).

It may take a while for the DVD player and input device to communicate and initialise.

Language	Video	Audio Track	Rating
TV Display	4:3 LETTERBOX		
TV Type	MULTI		
Video Output	YPbPr		
Progressive	Off		
HD JPEG Mode	HD JPEG	480p/576p	
HDMI Output	Auto	720p	
		1080i	
		Auto	

- 1 In 'Video', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {HDMI Output}, then press **OK**.
- 3 Press **▲▼** to highlight one of the options below:

480p
Progressive output in 480 lines for NTSC TV.

576p
Progressive output in 576 lines for PAL TV.

720p
Progressive output upscale to 720 lines.

1080i
Interlaced output upscale to 1080 lines.

Auto (default setting)
Output automatically based on your display's supported resolution.

- 4 Press **▲▼** to select a setting, then press **OK** to confirm your selection.

Helpful hints:

- If no display appears on the TV screen due to unsupported resolution, reconnect any available interlace video output to your display and re-adjust the resolution settings to 480p/576p.
- Select **AUTO** to automatically display the best resolutions settings.

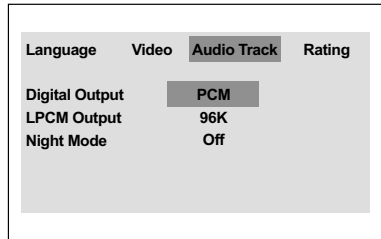
TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

English

DVD Setup Menu Options

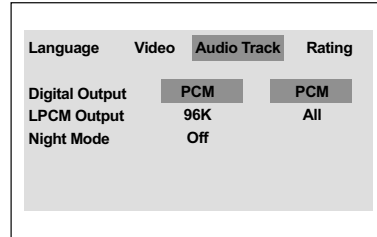
Audio Setup

- 1 Press **SYSTEM MENU**.
- 2 Press **▶** repeatedly to select {Audio Track}.
- 3 Press **OK** to confirm.



Digital Output

Set the Digital output according to your optional audio equipment connection.



- 1 In 'Audio Track', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {Digital Output}, then press **OK**.
- 3 Press **▲▼** to highlight one of the options below:

All

If you have connected your DIGITAL AUDIO OUT to a multi-channel decoder/receiver.

PCM

Only if your TV or receiver is not capable of decoding multi-channel audio.

- 4 Select an item and press **OK**.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

DVD Setup Menu Options

LPCM Output

If you connect the DVD Player to a PCM compatible receiver via the digital terminals, such as coaxial or optical etc, you may need to adjust 'LPCM Output'. Discs are recorded at a certain sampling rate. The higher the sampling rate, the better the sound quality.

Language	Video	Audio Track	Rating
Digital Output		PCM	
LPCM Output		96K	96K
Night Mode		Off	48K

- In 'Audio Track', press **OK** to enter the submenu.
- Press **▲▼** to highlight {LPCM Output}, then press **OK**.
- Press **▲▼** to highlight one of the options below:
 - 48K**
Playback a disc recorded at the sampling rate of 48kHz.
 - 96K**
Playback a disc recorded at the sampling rate of 96kHz that can only be achieved in Stereo-Classic mode.
- Select an item and press **OK**.

Helpful Hint:
 – LPCM Output can be selected only when PCM is activated.

Night Mode - turning on/off

In this mode, the high volume outputs are softened and low volume outputs are brought upward to an audible level. It is useful for watching your favorite action movie without disturbing others at night.

Language	Video	Audio Track	Rating
Digital Output		PCM	
LPCM Output		96K	
Night Mode		Off	Off
			On

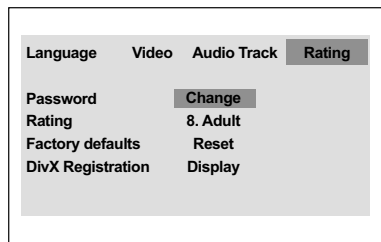
- In 'Audio Track', press **OK** to enter the submenu.
- Press **▲▼** to highlight {Night Mode}, then press **OK**.
- Press **▲▼** to highlight one of the options below:
 - On**
Select this to level out the volume. This feature is only available for movies with Dolby Digital mode.
 - Off**
Select this when you want to enjoy the surround sound with its full dynamic range.
- Select an item and press **OK**.

TIPS: To return to the previous menu, press **OK**.
 To remove the menu, press **SYSTEM MENU**.

DVD Setup Menu Options

Rating

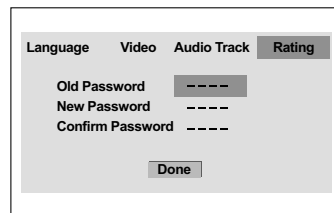
- 1 Press **SYSTEM MENU**.
- 2 Press **▶** repeatedly to select {Rating}.
- 3 Press **OK** to confirm.



Changing the Password

The same password is used for both Parental Control. Enter your 4 digit password when prompted on the screen. The default password is 0000.

- 1 In 'Rating', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {Change} (Cambiar), then press **OK**.
- 3 Use the **numeric keypad (0-9)** to enter your old four-digit password.
→ When doing this for the first time, key in '0000'.
→ If you forget your old four-digit password, key in '0000'.
- 4 Enter the new four-digit password.
- 5 Enter the new four-digit password second time to confirm.
→ The new four-digit password will now take effect.



- 6 Press **OK** to confirm.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

DVD Setup Menu Options

Setting the Rating

Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.

- 1 In 'Rating', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {Rating}, then press **OK** to select a rating level for the disc inserted.
→ To disable rating control and plays all discs, select {8 Adult}.
- 3 Use the **numeric keypad (0-9)** to enter the four-digit password ("Changing the password").
→ DVDs that are rated above the level you selected will not play unless you enter your four-digit password.

Helpful Hints:

- VCD, CD have no level indication, so parental control function has no effect on these type of discs. This applies to most duplicated DVD discs.
- Some DVDs are not encoded with a rating though the movie rating may be printed on the Disc cover. The rating level feature does not work for such Discs.

Rating explanations

1 KID SAFE

- Kids material; recommended especially for children and viewers of all ages.

2 G

- General Audience; recommended as acceptable for viewers of all ages.

3 PG

- Parental Guidance suggested.

4 PG13

- Material is unsuitable for children under age 13.

5-6 PG-R

- Parental Guidance - Restricted; recommended that parents restrict children under 17 from viewing or allow to view only when supervised by a parent or adult guardian.

7 NC-17

- No children under age 17; not recommended viewing for children under age 17.

8 ADULT

- Mature material; should be viewed only by adults due to graphic sexual material, violence or language.

English

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

DVD Setup Menu Options

Restoring to original settings

Setting the 'Default' function will reset all options and your personal settings to the factory defaults and all your personal settings will be erased.

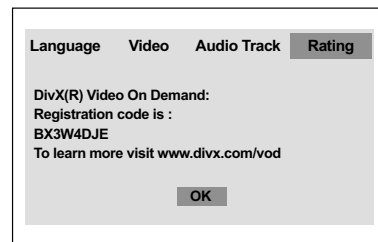
- 1 In 'Rating', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {Factory Defaults}, then select {Reset}.
- 3 Press **OK** to confirm.
→ All settings will now reset to factory defaults.

DivX registration

This DVD Player provides you the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service.

For more information, visit www.divx.com/vod.

- 1 In 'Rating', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {DivX Registration}, then select {Display}.
- 3 Press **OK** on the remote control.
→ The registration code will appear.



- 4 Use the registration code to purchase or rent the videos from DivX® VOD service at www.divx.com/vod. Follow the instructions and download the video onto a CD-R for playback on this DVD player.

Helpful Hint:

– All the downloaded videos from DivX® VOD can only be played back on this DVD player.

TIPS: To return to the previous menu, press **OK**.
To remove the menu, press **SYSTEM MENU**.

Specifications

English

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

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

VIDEO PERFORMANCE

DA Converter	10 bit, 54mHz
YPbPr	0.7 Vpp — 75 ohm
Video Output	1Vpp — 75 ohm

VIDEO FORMAT

Digital Compression	MPEG 2 for DVD,SVCD
	MPEG 1 for VCD
	MPEG-4 (.avi)
	DivX

DVD	50Hz	60Hz
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines

VCD	50Hz	60Hz
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

AUDIO FORMAT

Digital	MPEG	compressed Digital
	PCM	16, 20, 24 bits
		fs, 44.1, 48, 96 kHz
MP3(ISO 9660)		96, 112, 128, 256
		kbps & variable
		bit rate fs, 32, 44.1,
		48 kHz

Analog Sound Stereo
 Dolby Surround compatible downmix from Dolby Digital
 multi-channel sound

AUDIO PERFORMANCE

DA Converter	24 bit, 192 kHz
DVD	fs 96 kHz 4Hz- 44kHz
	fs 48 kHz 4Hz- 22kHz
CD/VCD	fs 44.1kHz 4Hz- 20kHz
Signal-Noise (1kHz)	90 dB
Dynamic range(1kHz)	85 dB
Crosstalk (1kHz)	90 dB
Distortion/noise (1kHz)	80 dB
MPEG MP3	MPEG Audio L3

CONNECTIONS

YPbPr Output	Cinch 3x
Video Output	Cinch (yellow)
Audio Output(L+R)	Cinch (white/red)
Digital Output	1 coaxial
	IEC60958 for CDDA / LPCM
	IEC61937 for MPEG 1/2,
	Dolby Digital
HDMI Output	Type A surector

CABINET

Dimensions (w x h x d)	435 x 48 x 310 mm
Weight	Approximately 2.2 kg

POWER CONSUMPTION

Power Supply Rating	120V; 60Hz
Power consumption	14 W
Power consumption in Standby mode	< 3 W

Specifications subject to change without prior notice

Troubleshooting

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair.

Problem	Solution
No power	<ul style="list-style-type: none"> – Check if the AC power cord is properly connected. – Press the STANDBY ON on the front of the DVD system to turn on the power.
No picture	<ul style="list-style-type: none"> – Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Check if the TV is switched on. – If the progressive scan feature is activated but the connected TV does not support progressive signals or the cables are not connected accordingly, see page 19 for proper progressive scan set up or deactivate the progressive scan feature as below: <ol style="list-style-type: none"> 1) Press OPEN CLOSE on the DVD system to open the disc tray. 2) Press ► followed by AUDIO the remote control.
Distorted picture	<ul style="list-style-type: none"> – Sometimes a small amount of picture distortion may appear depending on the disc being played back. This is not a malfunction.
Completely distorted picture or black/white picture with DVD	<ul style="list-style-type: none"> – Connect DVD Player directly to the TV. – Make sure the disc is compatible with the DVD/ Player. – Ensure that the DVD Player's TV Type is set to match that of the Disc and your TV.
No sound or distorted sound	<ul style="list-style-type: none"> – Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	<ul style="list-style-type: none"> – Check the digital connections. – Check if your receiver can decode MPEG-2 or DTS and if not, please make sure the digital output is set to PCM. – Check if the audio format of the selected audio language matches your receiver capabilities.
Disc can't be played	<ul style="list-style-type: none"> – The DVD+R/CD-R must be finalized. – Ensure the disc label is facing up. – Check if the disc is defective by trying another disc. – Region code incorrect.

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Troubleshooting (continued)

Problem	Solution
Picture freezes momentarily during playback	<ul style="list-style-type: none"> – Check the disc for fingerprints/scratches and clean with a soft cloth wiping from center to edge.
No return to start-up screen when disc is removed	<ul style="list-style-type: none"> – Reset the unit by switching the player off, then on again.
The player does not respond to the Remote Control	<ul style="list-style-type: none"> – Aim the Remote Control directly at the sensor on the front of the player. – Reduce the distance to the player. – Replace the batteries in the Remote Control. – Re-insert the batteries with their polarities (+/- signs) as indicated.
Buttons do not work	<ul style="list-style-type: none"> – To completely reset the player; unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	<ul style="list-style-type: none"> – Operations may not be permitted by the disc. Refer to the instructions of the disc jacket.
DVD Player cannot read CDs/DVDs	<ul style="list-style-type: none"> – Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Player for repair.
Menu items cannot be selected	<ul style="list-style-type: none"> – Press STOP twice before selecting System Menu. – Depending on the disc availability, some menu items cannot be selected.
Unable to play DivX movies	<ul style="list-style-type: none"> – Check that the DivX file is encoded with DivX 3.11, 4.x and 5.x encoder.
No sound during DivX movies playback	<ul style="list-style-type: none"> – The audio codec may not be supported by the DVD player.
No HDMI output	<ul style="list-style-type: none"> – Check the video output is HDMI enabled. – Check the connection between the TV and the HDMI jack of DVD player. – See if the TV supports this 480p/576p/720p/1080i DVD player.
Abnormal HDMI output screen	<ul style="list-style-type: none"> – If show noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).
Blank/ colored screen	<ul style="list-style-type: none"> – Power off the set and wait for a while before turning ON the set again.

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English

Glossary

Analog: Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

Aspect ratio: The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs. is 4:3, and that of wide-screens is 16:9.

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

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

Chapter: Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

Component Video Out Jacks: Jacks on the back of the DVD System that send high-quality video to a TV that has Component Video In jacks (R/G/B, Y/Pb/Pr, etc.).

Disc menu: A screen display prepared for allowing selection of images, sounds, subtitles, multi-angles, etc recorded on a DVD.

Digital: Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

DivX 3.11/4x/5x: The DivX codec is a patent-pending, MPEG-4 based video compression technology, developed by DivXNetworks, Inc., that can shrink digital video to sizes small enough to be transported over the internet, while maintaining high visual quality.

Dolby Digital: A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, center and subwoofer).

JPEG: A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

MP3: A file format with a sound data compression system. "MP3" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. By using MP3 format, one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

Parental Control: A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

PCM (Pulse Code Modulation): A system for converting analog sound signal to digital signal for later processing, with no data compression used in conversion.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for controlling reproduction. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

Region code: A system for allowing discs to be played back only in the region designated beforehand. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the product label. Some discs are compatible with more than one region (or ALL regions).

S-Video: Produces a clear picture by sending separate signals for the luminance and the color. You can use S-Video only if your TV has S-video In jack.

Title: The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

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

PHILIPS LIMITED WARRANTY

Ninety (90) Days Free Product Exchange Ninety-One (91) Days-One (1) Year Reduced-Cost Exchange

PHILIPS CONSUMER ELECTRONICS warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

PROOF OF PURCHASE:

You must have proof of the date of purchase to exchange the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

COVERAGE:

Warranty coverage begins the day you buy your product. For a period of ninety (90) days from the date of purchase, if the product is determined to be defective, Philips will exchange the defective product with a new or renewed product, at its option, at no charge.

From ninety-one (91) days to one year from the date of purchase, you will pay a preset exchange fee to obtain a new or renewed product. Contact the Customer Care Center for limited exchange pricing. This exchange opportunity ends one year after the date of purchase. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires. When it is necessary for you to ship the product to Philips for exchange, you will pay the shipping cost for shipment to Philips. Philips will pay the shipping costs when returning a product to you.

Note: The exchange model supplied will be the most comparable one in Philips current inventory. Shipping of your product to Philips implies intent to follow the specified requirements of the warranty and exchange program. Product received by Philips cannot be returned. Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay of exchange process.

EXCLUDED FROM WARRANTY COVERAGE

Your warranty does not cover:

- Shipping charges to return defective product.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips.
- Damage occurring to product during shipping when improperly packaged or cost associated with packaging.

- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Products sold AS IS or RENEWED.

WHERE WARRANTY EXCHANGE IS AVAILABLE:

Exchange is available in all countries where Philips officially distributes the product. In countries where Philips does not distribute the product, the local Philips organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available, or special customs processes are implied.

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Contact Philips Customer Care Center at:
1-888-PHILIPS (1-888-744-5477)

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1-800-661-6162 (French Speaking)
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Philips, P.O. Box 671539, Marietta, GA. 30006-0026

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