User manual

Thank you for choosing Philips.

Need help fast?

Read your User's Manual first for quick tips that make using your Philips product more enjoyable.

If you have read your instructions and still need assistance, you may access our online help at www.philips.com/support



PHILIPS

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For Customer Use:

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

Model No. DVP5900 Serial No. 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.

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.

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.

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.'

3

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.

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.

LASER

Semiconductor laser Туре

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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nglish

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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.

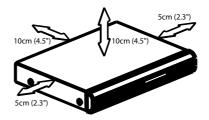
Setup

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.

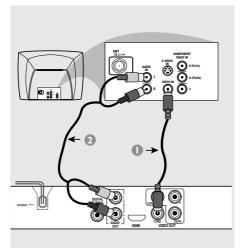


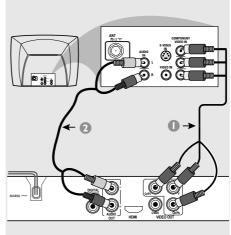
Avoid high temperatures, moisture, water and dust

- 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

Connecting TV





IMPORTANT!

- You only need to make <u>one</u> 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)

- 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).
- 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).

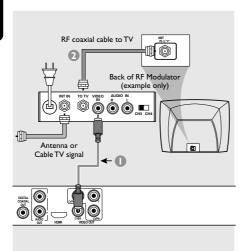
IMPORTANT!

 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)

- 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).
- 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 17 for detailed Progressive Scan set up.

Connections



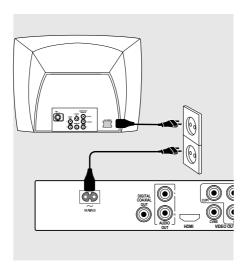
IMPORTANT!

- 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

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

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.

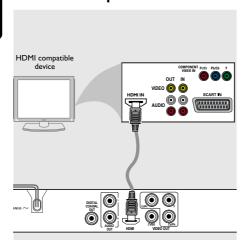
When no disc is loaded, press STANDBY ON on the DVD Player front panel,
"NO JISC" may appear on the

display panel.



Connections

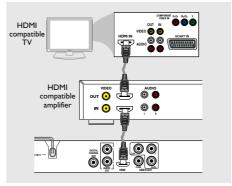
Optional: Connecting to a HDMI compatible device



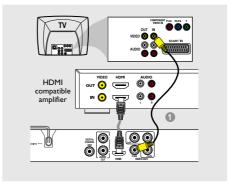
Using HDMI (High Definition Multimedia Interface) sockets

- HDMI connects untouched and uncompressed digital transmission for the highest and cripest 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 HDMIcompatible television



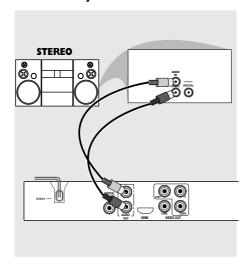
- Most older DVI enable devices are not HDCP compliant and playback is not possible.
 - → A pop-up menu will appear on the TV screen.

Helpful hint:

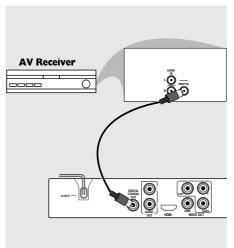
 HDCP (High-bandwidth Digital Content Protection) is a specification that provides a secure transmission of digital contents between different devices (to prevent unauthorised copy-right).

Connections

Optional: Connecting to an Audio System



Optional: Connecting Digital AV Receiver



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

- Select one of the video connections (CVBS VIDEO IN, SCART or COMPONENT VIDEO IN) depending on the options available on 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 stereo system (cable supplied).

Receiver has a PCM, Dolby Digital, or MPEG2 decoder

- Select one of the video connections (CVBS VIDEO IN, SCART or COMPONENT VIDEO IN) depending on the options available on your TV.
- 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 30 "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

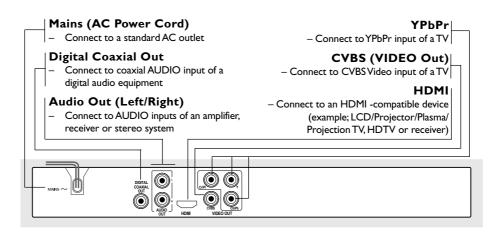
Point the remote control towards this

IR Sensor

sensor

PHILLIPS

■ STOP STANDBY-ON () -To stop playback To switch the DVD Player to Standby **▶**▶ NEXT mode or ON -To search or select next chapter or track Disc tray **▶II PLAY/PAUSE** OPEN/CLOSE A -To start or interrupt playback – Open/Close the disc tray PREV I◀◀ -To search or select previous chapter or Display track Shows the current status of the DVD Player Video Upscaling and Progressive



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

14

Scan LED

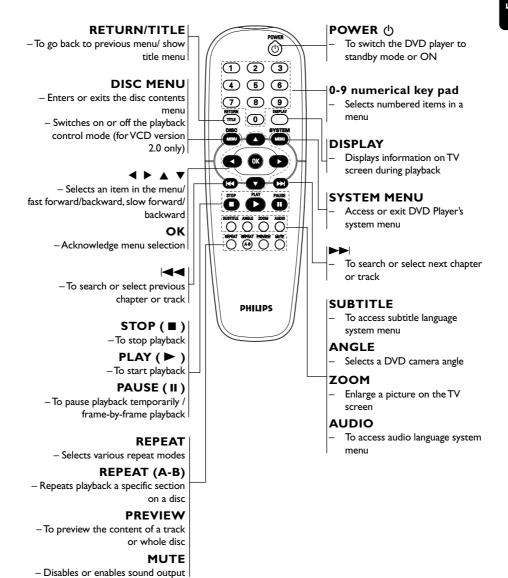
Scan mode

- Led ON in Video Upscaling or Progressive

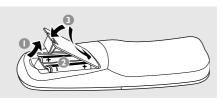
0

Functional Overview

Remote Control



Step 1: Inserting batteries into the Remote Control



- Open the battery compartment.
- Insert two batteries type R06 or AA, following the indications (+ -) inside the compartment.
- 3 Close the cover.

Using the Remote Control to operate the Player

- Aim the Remote Control directly at the remote sensor (iR) on the front panel.
- 2 Do not put any objects between the Remote Control and the DVD Player while operating the DVD Player.



CAUTION!

- Remove batteries if they are exhausted or if the Remote Control is not being used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed properly.

Step 2: Setting up the TV

IMPORTANT!

Make sure you have completed all the necessary connections. (See page 9-10 "Connecting TV").

- Turn on the TV and set to the correct video-in channel. You should see the DVD background screen on the TV.
- Usually these channels are between the lowest and highest channels and may be called FRONT,A/V IN, or VIDEO. See your TV manual for more details.
 - → Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.
 - → Or, the TV Remote Control may have a button or switch that chooses different video modes.
 - → Or, set the TV to channel 3 or 4 if you are using an RF modulator.
- If you are using external equipment, (egaudio system or receiver), turn it on and select the appropriate input source for the DVD Player output. Refer to the equipment owner's manual for detail.

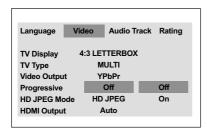
Setting up Progressive Scan feature (for Progressive Scan TV only)

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 9.)
- Turn on your TV.
- 2 Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual.)
- Press POWER on the remote control to turn on the DVD player.
- Select the correct Video Input channel. (See page 16).
 - → The DVD background screen appears on the TV.
- Press SYSTEM MENU.
- O Press ► to select {Video}, then press OK to confirm.



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



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.

Turn on your TV progressive scan mode (refer to your TV user manual.)

→ The below menu appears on the TV.



- 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.
- Press OPEN CLOSE on the DVD system to open the disc tray.
- ② Press ► followed by AUDIO the remote
 - → The DVD background screen will appear on the TV.

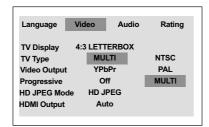
Helpful Hint:

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.

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

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.



- 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**.
- 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

 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.
- 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.

To return to the previous menu, press **OK**.

To remove the menu, press **SYSTEM MENU**.

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

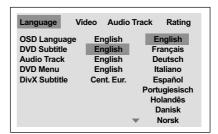
The On-screen language for the system menu will remain as you set it, regardless of various disc languages.



- 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.



- Press SYSTEM MENU.
- 2 Press ► to select {Language}, then press
- 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)
- Press ▲ ▼ to select a language and press
- 5 Repeat steps 3~4 for other language settings.

To return to the previous menu, press **OK**.

To remove the menu, press **SYSTEM MENU**.

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 Versitile 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.
 Improper 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	

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

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

- Connect the power cords of the DVD Player and TV (and any optional stereo or AV receiver) to a power outlet.
- Turn on the TV power and set to the correct Video In channel. (See page 16 "Setting up the TV").
- Press STANDBY-ON on the DVD Player front panel.
 - → You should see the DVD background screen on the TV.
- 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.
- S 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 32-33).
- 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).

Basic playback controls

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

Pausing playback (DVD/VCD/CD/MP3)

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

Selecting track/chapter (DVD/CD)

- Press ►► briefly during playback to go to the next chapter/track
- Press | ◀ to go to the previous track or chapter.
- 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.

- 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)

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

Slow Motion (DVD/VCD)

- 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)

- 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

- Press PREVIEW.
- ② Use ◀► keys to select an option.
- 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.

Special DVD Features

Playing a Title

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

Changing the Audio Channel For VCD

 Press AUDIO to select the available audio channels provided by the disc (LEFT MONO, RIGHT MONO, MIX-MONO, STEREO).

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 33 for more information).

- Load a DivX disc.
 - → Playback will start automatically. If not press **PLAY** ►.
- Pressing SUBTITLE on the remote control will turn on or off the subtitle.
- 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.

Playing MP3/JPEG Picture CD

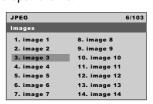
This player can playback MP3, JPEG, or Picture CD files on a personally recorded CD-R/RW disc or commercial CD.

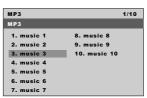
IMPORTANT!

You have to turn on your TV and set to the correct Video In channel. (See page 16 "Setting up the TV").

General Operation

- 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.





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

Playback selection

During playback, you can;

- Press | ◄ / ► I 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.

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.

<u>OFF</u>

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.

 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.
- Press PREVIEW to return to the disc menu.

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

Language

- Press SYSTEM MENU.
- Press ► to select {Language}.
- Press OK to confirm.



OSD Language

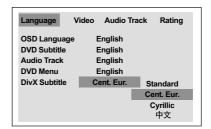
This menu contains various language options for display language on the screen. For details, see page 19.

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 19.

Setting the DivX Subtitle font

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



- In 'Language', press OK to enter the submenu.
- 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

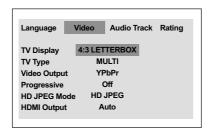
Press ▲ ▼ to select a setting, then press OK to confirm your selection.

To return to the previous menu, press **OK**.

To remove the menu, press **SYSTEM MENU**.

Video Setup

- Press SYSTEM MENU.
- 2 Press ➤ repeatedly to select {Video}.
- Press OK to confirm.

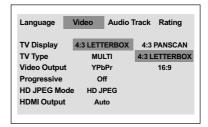


TV Type

This menu contains the options for setting the aspect ratio of the DVD Player according to the connected TV. For details, see page 18.

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.



- In 'Video', press OK to enter the submenu.
- Press ▲ ▼ to highlight {TV Display}, then press OK.
- 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

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 widescreen TV.



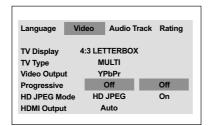
4 Select an item and press OK.

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

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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 17.



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

Off

To disable Progressive Scan function.

On

To enable Progressive Scan function.

- 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:

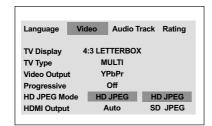
- Press OPEN CLOSE on the DVD system to open the disc tray.
- Press ► followed by AUDIO the remote control.
 - → The DVD background screen will appear on the TV.

To return to the previous menu, press **OK**.

To remove the menu, press **SYSTEM MENU**.

HD JPEG Mode

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



- In 'Video', press OK to enter the submenu.
- 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.

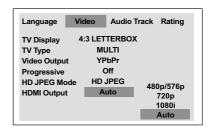
SD JPEG (Standard Definition JPEG) Displays picture at suppressed resolution.

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 12).

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



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

480p

Progressive output in 480 lines for NTSC TV.

576p

Progressive output in 576 lines for PALTV.

720p

Progressive output upscale to 720 lines.

1080i

Interlaced output upscale to 1080 lines.

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

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.

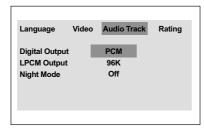
To return to the previous menu, press **OK**.

To remove the menu, press **SYSTEM MENU**.

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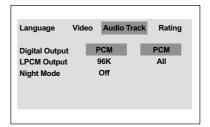
Audio Setup

- Press SYSTEM MENU.
- Press ► repeatedly to select {Audio Track}.
- Press OK to confirm.



Digital Output

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



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

All

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

PCM

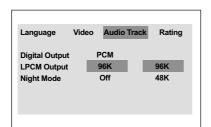
Only if your TV or receiver is not capable of decoding multi-channel audio.

4 Select an item and press OK.

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

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.



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

<u>48K</u>

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.

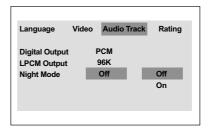
4 Select an item and press OK.

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 favourite action movie without disturbing others at night.



- In 'Audio Track', press OK to enter the submenu.
- Press ▲ ▼ to highlight {Night Mode}, then press OK.
- 3 Press ▲ ▼ to highlight one of the options below:

Or

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

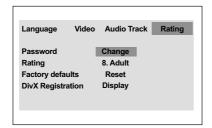
4 Select an item and press OK.

To return to the previous menu, press **OK**.

To remove the menu, press **SYSTEM MENU**.

Rating

- Press SYSTEM MENU.
- ② Press ➤ repeatedly to select {Rating}.
- 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 <u>0000</u>.

- In 'Rating', press **OK** to enter the submenu.
- 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.
- Enter the new four-digit password second time to confirm.
 - → The new four-digit password will now take effect.



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.

- 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.

Press OK to confirm.

TIPS: To return

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

Rating explanations

1 KID SAFE

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

2 6

 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.

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.

- In 'Rating', press **OK** to enter the submenu.
- Press ▲ ▼ to highlight {Factory Defaults}, then select {Reset}.
- 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.

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



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.

To return to the previous menu, press **OK**.

To remove the menu, press **SYSTEM MENU**.

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	 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	 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 17 for proper progressive scan set up or deactivate the progressive scan feature as below: 1) Press OPEN CLOSE on the DVD system to open the disc tray. 2) Press ► followed by AUDIO the remote control. 	
Distorted picture	 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	 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	Adjust the volume.Check that the speakers are connected correctly.	
No audio at digital output	 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	 The DVD+R/CD-R must be finalised. Ensure the disc label is facing up. Check if the disc is defective by trying another disc. Region code incorrect. 	
Need Help? Visit us at www.philips.com/support		

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Troubleshooting (continued)

Problem	Solution
Picture freezes momentarily during playback	Check the disc for fingerprints/scratches and clean with a soft cloth wiping from centre to edge.
No return to start-up screen when disc is removed	Reset the unit by switching the player off, then on again.
The player does not respond to the Remote Control	 Aim the Remote Control directly at the sensor on the front of the player. 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	 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.	 Operations may not be permitted by the disc. Refer to the instructions of the disc jacket.
DVD Player cannot read CDs/DVDs	 Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Player for repair.
Menu items cannot be selected	 Press STOP twice before selecting System Menu. Depending on the disc availability, some menu items cannot be selected.
Unable to play DivX movies	 Check that the DivX file is encoded with DivX 3.11, 4.x and 5.x encoder.
No sound during DivX movies playback	 The audio codec may not be supported by the DVD player.
No HDMI output	 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	 If show noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).
Blank/ coloured screen	 Power off the set and wait for a while before turning ON the set again.
	s at www.philips.com/support

Need Help? Visit us at www.philips.com/support

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Specifications

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

Number of lines (PAL/NTSC) Playback Multistandard

VIDEO PERFORMANCE

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

VIDEO FORMAT

MPEG 2 for DVD,SVCD Digital Compression

MPEG 1 for VCD MPEG-4 (.avi) DivX

240 lines

50Hz DVD 60Hz 720 pixels Horiz. resolution 720 pixels 480 lines Vertical resolution 576 lines VCD 50Hz 60Hz Horiz, resolution 352 pixels 352 pixels

288 lines

AUDIO FORMAT

Vertical resolution

Digital 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,

Analog Sound Stereo

Dolby Surround compatible downmix from Dolby Digital

48 kHz

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 Audio L3 MPEG MP3

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

435 x 48 x 310 mm $\overline{\text{Dimensions (w x h x d)}}$ Weight Approximately 2.2 kg

POWER CONSUMPTION

Power Supply Rating 110-240V; 50-60Hz Power consumption 14 W Power consumption in Standby mode < 3 W

Specifications subject to change without prior notice

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 widescreens 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.

<u>Chapter:</u> 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.).

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

<u>Digital</u>: 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.

<u>DivX 3.11/4x/5x</u>: The DivX codec is a patentpending, 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).

<u>S-Video:</u> 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.

<u>Title:</u> 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.

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

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