



DVD Video / SACD Player

DVP900SA/00_A

User manual

Visit us at www.p4c.philips.com for service support



PHILIPS





Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- 1** Remove fuse cover and fuse.
- 2** Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- 3** Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

- As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:
 - Connect the blue wire to the terminal marked N or coloured black.
 - Connect the brown wire to the terminal marked L or coloured red.
 - Do not connect either wire to the earth terminal in the plug, marked E (or \perp) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

CAUTION

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

VAROITUS

Muiden kuin tässä esitettyjen toimintojen säädön tai asetusten muutto saattaa altistaa vaaralliselle säteilylle tai muille vaarallisille toiminnoille.



DK

Advarsel: Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

Bemærk: Netafbryderen er sekundært indkoblet og afbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

S

Klass 1 laserapparat

Varning! Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

Observera! Stömbrytaren är sekundärt kopplad och bryter inte strömmen från nätet. Den inbyggda nätdelen är därför ansluten till elnätet så länge stickproppen sitter i vägguttaget.

SF

Luokan 1 laserlaite

Varoitus! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle. Oikeus muutoksiin varataan. Laite ei saa olla alttiina tippu-ja roiskevedelle.

Huom. Toiminnanvalitsin on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

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.p4c.philips.com for software upgrade.

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.

'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 specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

“DCDi” is a trademark of Faroudja, a division of Genesis Microchip, Inc.



“DTS” and “DTS DIGITAL SURROUND” are registered trademarks of Digital Theater Systems, Inc.

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.

For Customer Use:

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

Model No. DVP 900SA
Serial No. _____

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 MAY BE DIFFERENT BETWEEN COUNTRIES.**

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

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

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

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.

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



Index

English 8

Français 42

Deutsch 78

Nederlands 114

Español 150

Italiano 186

Svenska 222

English

Français

Deutsch

Nederlands

Español

Italiano

Svenska

CAUTION
 VISIBLE AND INVISIBLE LASER
 RADIATION WHEN OPEN.
 AVOID EXPOSURE TO BEAM.
ADVARSEL
 SYNLIG OG USYNLIG
 LASERSTRÅLING VED ÅBNING
 UNDGÅ UDSÆTTELSE FOR STRÅLING
VARNING
 SYNLIG OCH OSYNLIG
 LASERSTRÅLNING NÄR DENNA DEL
 ÄR ÖPPNAD BETRAKTA EJ STRÅLEN
VARO!
 AVATTAESSA OLET ALTTIINA
 NÄKYVÄLLE JA NÄKYMÄTTÖMÄLLE
 LASER SÄTEILYLLE. ÄLÄ KATSO
 SÄTEESEEN
VORSICHT
 GEFAHR VON SICHTBARER UND
 UNSICHTBARER LASERSTRAHLUNG
 BEI GEÖFFNETEM GEHÄUSE.
ATTENTION
 RAYONNEMENT LASER VISIBLE ET
 INVISIBLE EN CAS D'OUVERTURE
 EXPOSITION DANGEREUSE AU
 FAISCEAU

CE This DVD player is in conformity
 with the EMC directive and low-
 voltage directive.



Contents

Introduction

Supplied accessories	8
Care and safety information	8

Connections

Connecting TV	9-11
Using SCART jack	9
Using Composite Video jack (CVBS)	9
Using S-Video jack	10
Using Component Video jacks (Pr Pb Y) .	10
Scan Mode (Progressive/Interlace selector)	
.....	11
Using an accessory RF modulator	11
Connecting the power cord	12
Optional: Connecting to a HDMI Device	12-13
Using HDMI (High Definition Multimedia	
Interface) sockets	12-13
Optional: Connecting to a Multi-channel	
Receiver	13
Receiver has multi-channel audio input jack	
.....	13
Optional : Connecting to an Audio System .	14
Stereo has Dolby Pro Logic or Right / Left	
Audio In jacks	14
Optional: Connecting to a Digital Receiver ..	14
Receiver has a PCM, Dolby Digital, or	
MPEG2 decoder	14

Functional Overview

Front Panels	15
Rear Panels	16
Remote Control	17

Getting Started

Step 1: Inserting batteries into the	
Remote Control	18
Using the Remote Control to operate the	
Player	18
Step 2: Setting up the TV	18-19
Selecting the colour system that	
corresponds to your TV	19
Selecting the TV Shape	19
Step 3: Setting language preferences	20
Setting the Menu Language	20
Setting the Default Audio and Default	
Subtitle languages	20
Step 4: Setting the speakers' channels	21
Advance Bass Management	21
– Movie Mode	21
– Music Mode	21

Disc Operations

Playable Discs	22
Region Codes	22
Playing discs	23
Display on LCD	23
Using the Disc Menu	23
Playback controls	24-27
Pausing playback	24
Selecting a title (track) /chapter	24
Zoom	24
Resuming playback from the last stopped	
point	24
Shuffle	24
Repeat	25
Repeat A-B	25
Scan	25
Time Search	25
Slow Motion	26
Searching	26
Still Picture and Frame-by-frame playback .	26
Program playback	27
Special DVD features	27
Selecting a Title	27
Camera Angle	27
Changing the Audio Language	27
Subtitles	27
Playing MP3/JPEG/Kodak Picture CD	28
Special features for picture disc playback.....	
.....	28-29
Slide show playback setting	28
Rotating the picture	28
Zoom picture	29
Playback with multi-angles	29
Scan Effect	29
Playing MP3 music or JPEG picture	29
Playing Super Audio CD (SACD)	29



Contents

DVD Menu Options

Preferences	30-31
Picture	30
– Color Settings	30
– Saturation/ Contrast/ Brightness	30
– Sharpness	30
– Video Shift	30
Advance Picture	31-32
– TrueLife	31
– DCDi	31
– Gamma	31
– Chroma Delay	31
– 4:3 Aspect	31
– HiVideoDef	31
– Content Mode	32
Sound	32
– Night Mode	32
– Analog Output	32
– CD Up-sample	32
– Clear Voice	32
– Karaoke Vocal	32
Features	33
– Wakeup timer	33
– Helpline	33
– Status Window	33
Setup	33-35
Language	34
– Menu Language	34
– Default Subtitle/ Default Audio	34
– Country	34
TV	34
– TV System	34
– TV Shape	34
Audio Menu	34-35
– Digital Output	34
– Subwoofer frequency	35
– SACD Direct	35
– Plug And Play	35
– PCM Output	35

Speakers (Advance Bass Management)	35
Features	35
– PBC (Playback Control)	35
– Sleep Timer	35
Access	36-37
– Enter PIN	36
– Disc Lock	36
– Parental Level	37
– Change PIN	37

Troubleshooting	38-39
------------------------------	-------

Specifications	40
-----------------------------	----

Glossary	41
-----------------------	----

English





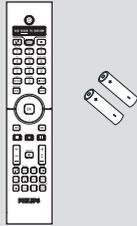
Introduction

Supplied accessories

SCART cable
(black)



Remote Control
and two AA
batteries



AC power cable



Care and safety information

- **Power consumption**
 - When the system is switched to Standby mode, it is still consuming power. To disconnect the system from the power supply completely, remove the AC power plug from the wall jack.

- **Avoid high temperatures, moisture, water and dust**

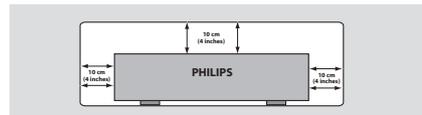
- Do not expose the player, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight).

- **Avoid condensation**

- The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.

- **Do not block the vents**

- Do not operate the DVD Player in an enclosed cabinet. Allow about 10 cm (4 inches) of free space around the player for adequate ventilation.



- **Care of the cabinet**

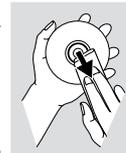
- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

- **Finding a suitable location**

- Place the player on a flat, hard, and stable surface.

- **Disc handling**

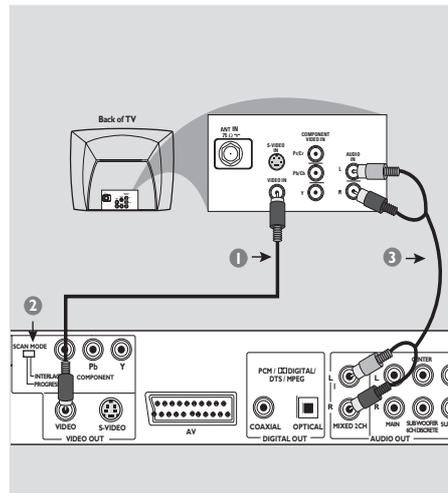
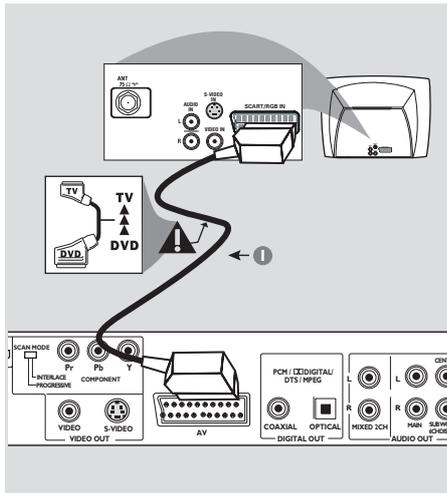
- To clean a CD, wipe it in a straight line from the center toward the edge using a soft, lint-free cloth. A cleaning agent may damage the disc.
- Write only on the printed side of a CD-R/CD-RW and only with a soft felt-tipped pen.
- Handle the disc by its edge; do not touch the surface.





Connections

Connecting TV



English

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.
- RGB connection will let you use the features of both the Audio and Video in the DVD Player.

Using SCART jack

- Use the SCART cable (black) to connect the DVD Player's SCART jack (AV) to the corresponding SCart input jacks on the TV (cable supplied).

Helpful Hint:

- Ensure that the "TV" indication on SCART cable is connected to the TV set and "DVD" indication on SCART cable is connected to the DVD Player.

IMPORTANT!

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

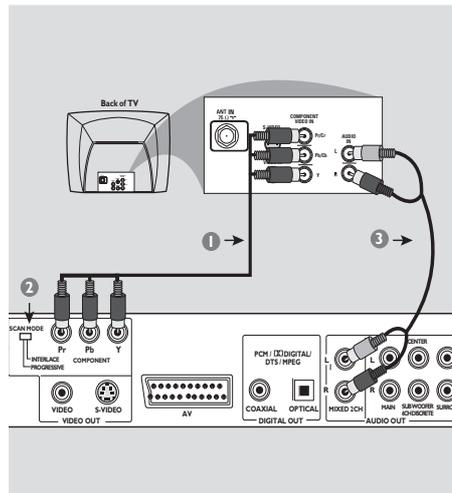
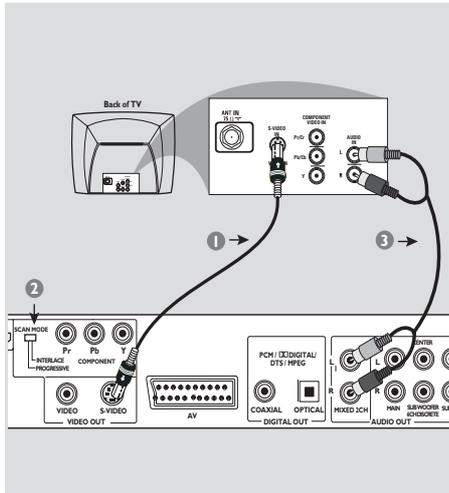
Using Composite Video jack (CVBS)

- 1 Use the supplied composite video cable (yellow) to connect the DVD Player's **yellow VIDEO OUT (CVBS) jack** to the VIDEO IN jack (labeled as Video In, Composite, CVBS, or Baseband) on the TV (cable not supplied).
- 2 Set the SCAN MODE switch to INTERLACE.
- 3 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 not supplied).



Connections

Connecting to a Progressive Scan TV



IMPORTANT!

– S-Video provides better picture quality. This option must be available on your TV.

Using S-Video jack

- 1 Use the S-video cable to connect the DVD Player's **S-VIDEO OUT** jack to the S-Video in jack (labeled as Y/C or S-VHS) on the TV (*cable not supplied*).
- 2 Set the SCAN MODE switch to INTERLACE.
- 3 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 not supplied*).

IMPORTANT!

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

– **DO NOT** connect both video and Y Pb Pr to a TV, it may affect the picture quality.

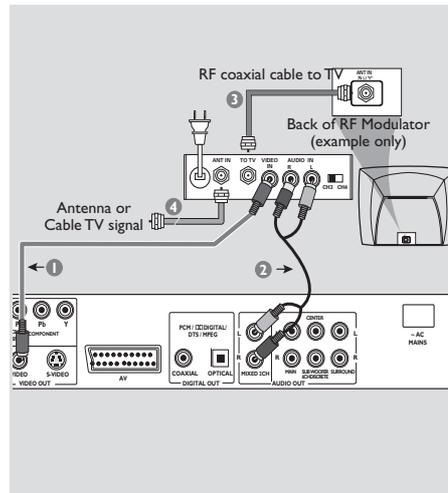
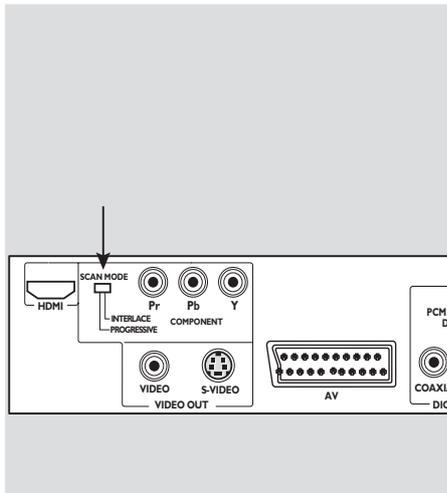
Using Component Video jacks (Pr Pb Y)

- 1 Use the component video cables (yellow, red, white) to connect the DVD Player's **Pr Pb Y** jacks to the corresponding Component video in jacks (labeled as Pr/Cr Pb/Cb Y or YUV) on the TV (*cable not supplied*).
- 2 Set the SCAN MODE switch to PROGRESSIVE.
- 3 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 not supplied*).



Connections

English



Scan Mode (Progressive/Interlace selector)

This switch will change the type of signal output from the Component Video Out on the DVD player.

Interlace:

Select this setting when connected to a standard (interlace format) TV.

Progressive:

Select progressive when you have a TV that can accept progressive signals (480/525p) to enjoy accurate colour reproduction and high quality images.

Helpful hints:

- During Progressive mode, 4:3 aspect images are distorted when TV Shape is set to '16:9'. Change the TV screen's aspect ratio settings to AUTO to avoid image distortion. (see page 31 "4:3 Aspect").
- Some TVs and projectors are not compatible with this DVD Player. If picture distorted during progressive signals, switch the SCAN MODE to Interlace.

IMPORTANT!

– If your TV only has a single Antenna In jack (labeled as 75 ohm or RF In), you will need an RF modulator in order to view DVD playback on the TV. The RF modulator is not supplied with the DVD Player. See your electronics retailer or contact Philips for details on RF modulator availability and operations.

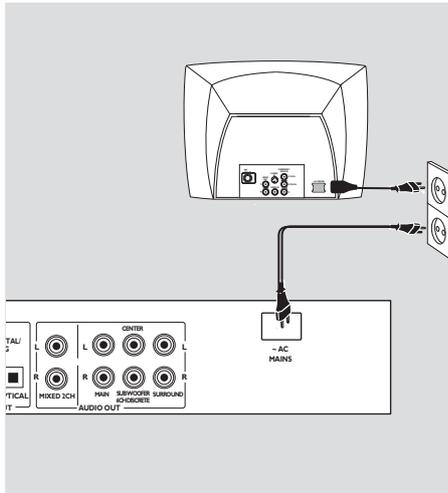
Using an accessory RF modulator

- 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.

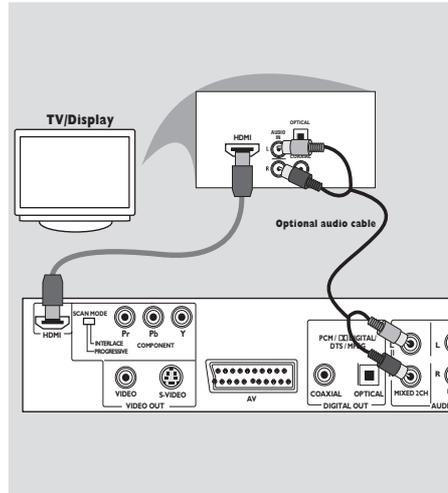


Connections

Connecting the power cord



Optional: Connecting to a HDMI Device



After everything is connected properly, plug the AC power cord into 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 to turn it on.**

Using HDMI (High Definition Multimedia Interface) sockets

- HDMI connects untouched and uncompressed digital transmissions for the highest and crispest sound/image quality.
- It has plug and play capability using only one cable for both audio/video output.
- Use HDMI connection (*cable not supplied*) if you have a valid HDMI input devices (eg.; LCD/Projector/Plasma/Projection TV, or HDTV).
 - Playback starts automatically.
- OR
- The DVD Player's {HVIDEODEF} menu will appear on the TV screen (see page 31 {HVIDEODEF}).



Connections

Optional: Connecting to a HDMI Device - cont'd

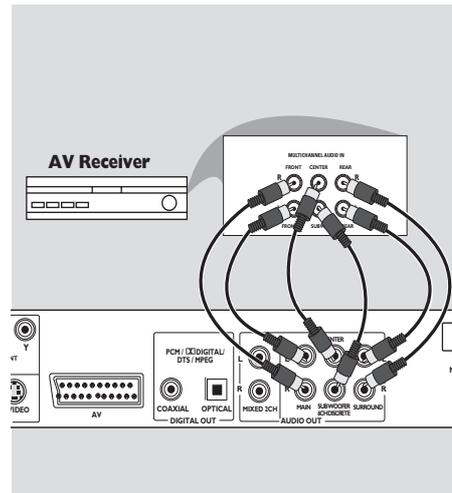
Using HDMI (High Definition Multimedia Interface) sockets

- The HDMI is backward compatible with many DVI devices using an appropriate adaptor plug.
 - If a DVI device is connected, an additional audio cable will be needed for audio transmission.
 - Switch {Plug and Play} feature to "OFF" to get digital output from your DVD player when using DVI or HDMI connection (see page 35 {PLUG AND PLAY}).

Helpful hint:

– Set the **SCAN MODE** switch to **PROGRESSIVE**.

Optional: Connecting to a Multi-channel Receiver



English

Receiver has multi-channel audio input jack

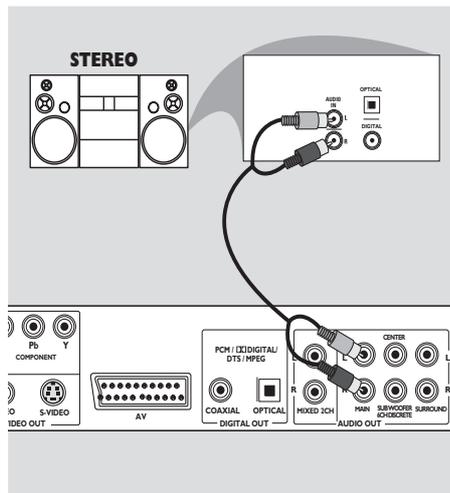
- 1 Select one of the video connections (CVBS VIDEO IN, S-VIDEO IN, SCART or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Set the PROGRESSIVE/INTERLACE switch to INTERLACE for CVBS or S-VIDEO connections.
- 3 Set the PROGRESSIVE/INTERLACE switch to PROGRESSIVE for COMPONENT VIDEO IN connection with a Progressive Scan TV.
- 4 Use the audio cables (white/red) to connect **AUDIO OUT** (Front L&R, Center, Surr L&R, Sub Woofer) jacks of the DVD Player to the corresponding **AUDIO IN** jacks on the receiver (cable not supplied).



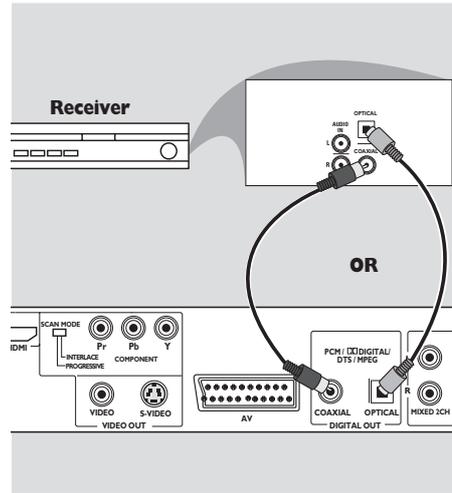
Connections

English

Optional: Connecting to an Audio System



Optional: Connecting to a Digital Receiver



Stereo has Dolby Pro Logic or Right / Left Audio In jacks

- 1 Select one of the video connections to your TV (CVBS VIDEO IN, S-VIDEO IN, or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Set the PROGRESSIVE/INTERLACE switch to INTERLACE for CVBS or S-VIDEO connections.
- 3 Set the PROGRESSIVE/INTERLACE switch to PROGRESSIVE for COMPONENT VIDEO IN connection with a Progressive Scan TV.
- 4 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 not supplied).

Helpful Hint:

- For optimum stereo sound quality, always connect Left and Right channel from the multi-channel output and set [Analog Output] setting to 'STEREO', see page 32).

Receiver has a PCM, Dolby Digital, or MPEG2 decoder

- 1 Select one of the video connections to your TV (CVBS VIDEO IN, S-VIDEO IN, or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Connect either the COAXIAL or OPTICAL 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-ONLY or ALL depending on the capabilities of your Receiver (see page 34 {DIGITAL OUTPUT}).

Helpful Hints:

- 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

English

Rear Panel

HDMI (High Definition Multimedia Interface)

- Connect to a valid HDMI device (eg.; LCD/Projector/Plasma/Projection TV, HDTV or receiver)

SCAN MODE (Interlace/Progressive)

- To switch between Progressive or interlace

Component Y Pb Pr

- Connect to Y Pb Pr input of a TV

Mains (AC Power Cord)

- Connect to a standard AC outlet

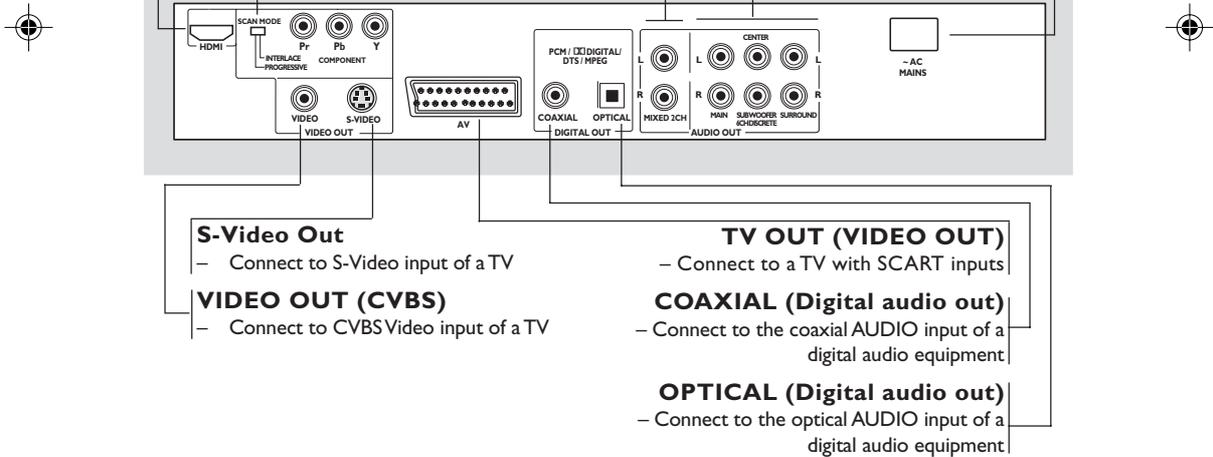
MULTICHANNEL AUDIO OUT

(For connection to a stereo and multichannel receiver)

- center speaker, subwoofer, front and surround speakers connection

Audio Out (Left/Right)

- Connect to AUDIO inputs to a stereo TV



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

Remote Control

AUDIO DIRECT

- Switches video output on and off during audio disc playback.

SELECT

- Selects the relevant device to control: DVD, RECVR, TV, DVD+RW

DIM

- To select 3 different brightnesses for the display

RETURN

- Return to the previous menu on a video CD (VCD) or some DVDs

SYSTEM MENU

- Access or exit DVD Player's system menu

Cursor

- Selects up (▲), down (▼), left (◀) and right (▶) direction in the menu

OK

- Acknowledge menu selection

◀◀

- To search or select previous chapter or track

■ (STOP)

- To stop playback

▶ (PLAY)

- To start playback

|| (PAUSE)

- To pause playback temporarily / frame-by-frame playback

REPEAT

- Selects various repeat modes

REPEAT (A-B)

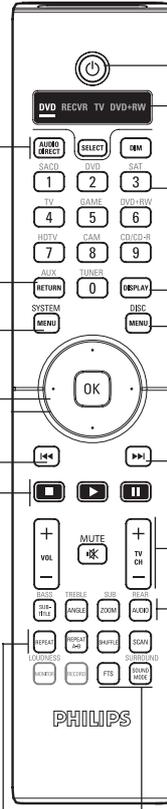
- Repeats playback a specific section on a disc

SHUFFLE

- Plays tracks/chapter in random order

SCAN

- Plays the first 10 seconds of each track/ chapter within a disc



POWER

- To switch the DVD player to standby mode or ON

LCD Screen

- Indicates active source mode. (See important note below)

Numerical keypad (0-9)

- Selects numbered items in a menu

DISPLAY

- Displays information on TV screen during playback

DISC MENU

- Enters the disc contents menu

▶▶

- To search or select next chapter or track

VOL (+ / -), MUTE and TV CH (+/-)

- Not applicable for this model.

SUBTITLE

- To access subtitle language system menu

ANGLE

- Selects a DVD camera angle

ZOOM

- Enlarge a picture on the TV screen

AUDIO

- To access audio language system menu

FTS

- Activate/deactivate Favorite Track Selection

SOUND MODE

- Selects required sound mode
 - for SACD: In Stop Mode, selects either a CD Layer or SACD layer for hybrid discs. During playback, allows you to select CD, Stereo or Multi-channel (if available).
 - for DVDs/VCDs: to select either Stereo, Dolby Surround-compatible, 3D sound or Multi-channel

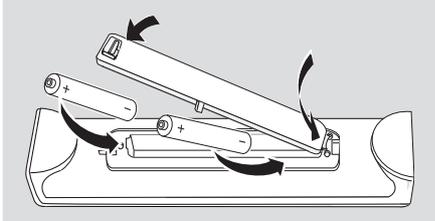
Important!

- This RC is a Philips system remote which is capable of controlling other Philips equipment (eg., Recorder, TV or DVD-RW player).
- Refer to manuals for other equipment as necessary.



Getting Started

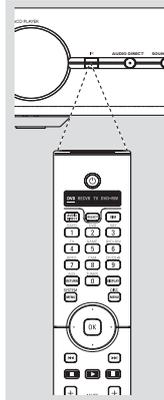
Step 1: Inserting batteries into the Remote Control



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

Using the Remote Control to operate the Player

- 1 Aim the Remote Control directly at the remote sensor (iR) on the front panel of the DVD Player.
- 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 will not be 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 pages 9-11 "Connecting TV").

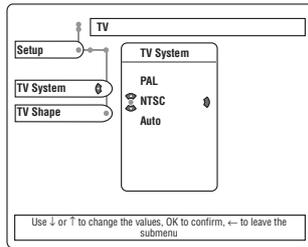
- 1 Turn on the TV and set it to the correct Video-In channel. You should see the blue Philips DVD background screen on the TV.
 - Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.
 - Or, the TV Remote Control may have a button or switch that chooses different video modes.
 - Or, set the TV to channel 3 or 4 if you are using an RF modulator.
- 2 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.
- 3 If you are using other external equipment (audio system or receiver), turn it on and select the appropriate input source for the DVD Player. Refer to the equipment owner's manual for details.



Getting Started

Selecting the color system that corresponds to your TV

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



- 1 Press **SYSTEM MENU**.
- 2 Press ▼ to select {SETUP}.
- 3 Use the ◀▶▲▼ keys on the Remote Control to navigate in the menu.

Move to {TV} and press ▼.
Move to {TV SYSTEM} and press ▶.

PAL – Select this if the connected TV has the PALcolor system. It will change the video signal of an NTSC disc and output it in PAL format.

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

Auto – 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.

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

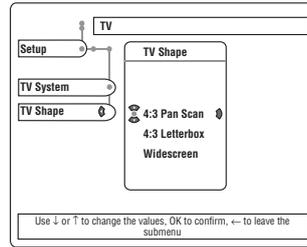
Helpful Hint:

- Some image distortion occurs when switching NTSC and PAL mode.
- This setting is applicable for interlace output only.

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

Selecting the TV Shape

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.



- 1 Press **SYSTEM MENU**.
- 2 Press ▼ to select {SETUP}.
- 3 Use the ◀▶▲▼ keys on the Remote Control to navigate in the menu.

Move to {TV} and press ▼.
Move to {TV SHAPE} and press ▶.

4:3 Pan Scan

→ If you have a regular TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.



4:3 Letter Box

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



Widescreen

→ If you have a wide screen TV.



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





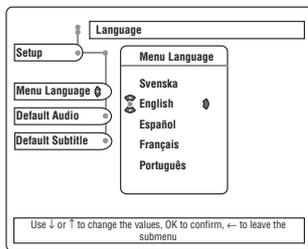
Getting Started

Step 3: Setting language preferences

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 Menu Language

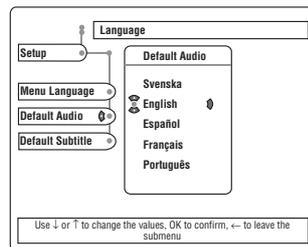
The On-screen language for the system menu will remain as you set it, regardless of various disc languages.



- 1 Press **SYSTEM MENU**.
- 2 Press **▼** to select {**SETUP**}.
- 3 Use the **◀▶▲▼** keys on the Remote Control to navigate in the menu.
Move to {**LANGUAGE**} and press **▼**.
Move to {**MENU LANGUAGE**} and press **▶**.
- 4 Select a language and press **OK**.

Setting the Default Audio and Default Subtitle languages

You can select the audio language spoken and subtitle languages in a video disc. If the language selected is not available on the disc, the disc's default setting language will be used instead.



- 1 Press **SYSTEM MENU**.
- 2 Press **▼** to select {**SETUP**}.
- 3 Press **▲▼** to highlight one of the following:
 - {**DEFAULT AUDIO**} (disc's soundtrack)
 - {**DEFAULT SUBTITLE**} (disc's subtitles)
- 4 Use the **◀▶▲▼** keys on the Remote Control to navigate in the menu.
- 5 Select a language and press **OK**.
- 6 Repeat steps 3~5 for other language settings.

Helpful Hint:

– Some discs (example Karaoke discs) are recorded on multiple audio channels.
Press **AUDIO** repeatedly during playback to choose **LR** to hear both channels, **LL** to hear left channel (only music) and **RR** to hear right channel (only vocal).

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



Getting Started

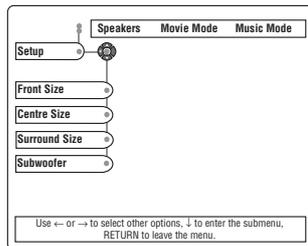
Step 4: Setting the speakers' channels

You can adjust the delay times (centre and surround only) and volume level for individual speakers. These adjustments let you optimize the sound according to your surroundings and setup.

IMPORTANT!

*The speaker settings only available on Multi-channel audio outputs. You can also press **SOUND MODE** button to select Multi-channel.*

- 1 Press **SYSTEM MENU**.
- 2 Press **▼** to select {SETUP}.
- 3 Press **◀▶** to highlight {SPEAKERS}, then press **▼**.



- 4 Press **▲▼** to highlight one of the options, then press **▶**.

{FRONT SIZE, CENTER SIZE, SURROUND SIZE}

OFF – when no speaker is connected.
LARGE – when connected speakers can produce low frequency signals below 120Hz.

SMALL – when connected speakers cannot produce low frequency signals below 120Hz.

{SUBWOOFER}

ON – when a subwoofer is connected.
OFF – when no subwoofer is connected.

{FRONT DISTANCE}

– Sets the distance from your listening place to the front speakers (1 ~ 11.8m).

{CENTER/REAR DISTANCE}

– Sets the distance from your listening place to the center/rear speakers. (choices different depending on the {FRONT DISTANCE} setting).

- 5 Press **◀▶▲▼** to adjust the setting that best suit your surround sound needs.
- 6 Press **OK** to confirm.

Helpful Hints:

- Use the longer delay time settings when the surround/rear speakers are closer to the listener than the front speakers.
- The test tone will be automatically generated to help you judge the sound level of each speaker.

Advance Bass Management

Movie Mode

This menu allows you to adjust each speaker volume for playing all discs except SACD audio playback.

→ The volume balance value ranges from -6dB to +7dB.

Music Mode

When music mode is set, speaker settings will be applied during SACD playback only.

Additional adjustments available in SACD bass managements are:

- Cut-off frequency adjustment: 60Hz, 80Hz, 100Hz and 120Hz
- Slope adjustment: 12dB/oct, 18dB/oct and 24dB/oct

Helpful Hint:

- These additional adjustments are available in the subwoofer adjustments.

TIPS: To return to the previous menu, press **◀**.
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 discs in the disc tray. Doing so may cause the disc player to malfunction.

Playable Discs

Your DVD Player will play:

- Digital Versatile Discs (DVDs)
- Digital Versatile Audio Discs (DVD-A)
 - standard definition layer
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Super Audio CDs (SACDs)
- Digital Video Discs + Recordable [Rewritable] (DVD+R[W])
- Compact Discs (CDs)
- MP3 discs, picture (Kodak, JPEG) files on CD-R(W).
 - JPEG/ISO 9660 format
 - Maximum 30 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

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.

Region	Region number of the unit	Discs that can be played (Example)
U.S.A. and Canada regions	1	ALL 1
U.K and Europe regions	2	ALL 2
General regions	3	ALL 3
Australia region	4	ALL 4



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.



Disc Operations

IMPORTANT!

If the inhibit icon (X) 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 Press **SELECT** button until “**DVD**” is lighted on the remote control display panel (see remote control, page 17).
- 2 Turn on the TV and set it to the correct Video In channel. (See page 18 “Setting up the TV”).
- 3 Press **STANDBY-ON** on the front of the DVD Player.
→ You should see the Philips DVD background screen on the TV.
- 4 Press **OPEN/CLOSE** to open the disc tray and load a disc. Press again to close the disc tray.
→ Make sure the label is facing up. For double-sided discs, make sure the label of the side you want to play is facing up.
- 5 Playback may start automatically (depending on the disc type).
→ 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 pages 36-37).
- 6 At any time, simply press **STOP** to stop playback.

Display on LCD

Area 1

– Currently playing logo or media will be lit during playback.

Area 2A

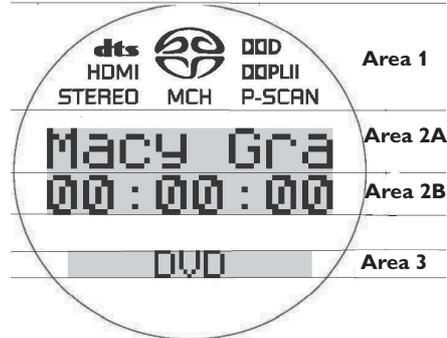
– Indicates current information in the disc or media during playback.

Area 2B

– Indicates current disc or media elapsed time.

Area 3

– Indicates current mode of the DVD Player.



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** or **OK** to start playback.

To access the menu

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

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



Disc Operations

Playback controls

Unless otherwise stated, all operations described are based on Remote Control use. Some operations can be carried out using the DVD system Menu.

Pausing playback (DVD/DVD-A/VCD/CD)

- 1 During playback, press **PAUSE II**.
→ Play will pause and sound will be mute.
- 2 Press **PAUSE II** repeatedly to select the previous or next picture frame.
- 3 To return to normal playback, press **PLAY ►**.

Selecting a title (track) /chapter (DVD/DVD-A/VCD/CD)

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

Zoom (DVD/DVD-A/VCD/JPEG)

Zooming allows you to enlarge the video image during playback.

- 1 Press **ZOOM** during playback to select the zoom factor.
- 2 Press **◄► ▲ ▼** to move through the zoomed image.
- 3 Press **ZOOM** repeatedly to increase and decrease the zoom factor.
→ Playback will continue.

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

Resume playback of the last five discs, even if the disc was removed from the Player.

- 1 Load one of the last five discs.
→ "READING" appears.
- 2 Press **PLAY ►** and the disc will play from the last point.

To cancel resume mode

- While play is stopped, press **STOP ■** again.

Shuffle (DVD/DVD-A/VCD/CD/SACD/MP3)

On a DVD/DVD-A disc - this shuffles the playing order of chapters within a title, if the title has more than one chapter.

On an Audio CD, Video CD, SACD - this shuffles all the tracks in random order within a disc.

- 1 Press **SHUFFLE** during playback.
→ SHUFFLE appears on the TV screen for about two seconds.
- 2 To return to normal playback, press **SHUFFLE** again.

Helpful Hint:

– For SACD, shuffle functions works in the currently selected area only.

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



Disc Operations

Repeat (DVD/DVD-A/VCD/CD/MP3/SACD/JPEG)

You can play a chapter, track, title or entire disc repeatedly.

- Press **REPEAT** continuously to choose a Repeat mode during playback appears on the TV screen.
 - **DVD**
'CHAPTER /TITLE /DISC /OFF'.
 - **VCD / CD**
'TRACK /DISC /OFF'.
 - **MP3**
'TRACK /ALBUM /DISC /OFF'.
 - **SACD**
'TRACK /AREA /OFF'.
 - **JPEG**
'REPEAT ROLL/REPEAT DISC'.

Repeat A-B (DVD/DVD-A/VCD/CD)

You can play only a specific portion of a Title/Track or Chapter repeatedly.

- 1 During playback, press **REPEAT A-B** at your chosen starting point.
→ 'REPEAT A' appears on the TV screen.
- 2 When the disc reaches your selected ending point, press **REPEAT A-B** again.
→ 'A-B' appears on the TV screen, and the repeat sequence begins.
- 3 To resume regular playback, press **REPEAT A-B** again.
→ 'A/B OFF' appears on the TV screen.

Scan (DVD/DVD-A/VCD/CD/MP3/SACD)

Scanning plays the first 10 seconds of each chapter/track on the disc. You can activate scan playback by pressing **SCAN** button.
OR

- 1 Press **SYSTEM MENU** and press **▲ ▼** to select {TOOLBAR} option.
- 2 Use the **◀ ▶ ▲ ▼** keys on the Remote Control to navigate in the menu.
Move to {VIEW} and press **▼**.
Move to {CHAPTER PREVIEW} and press **▶** to select {ON or OFF}.

Time Search (DVD/DVD-A/VCD/CD/SACD/MP3)

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

- 1 Press **SYSTEM MENU** and press **▲ ▼** to select {TOOLBAR} option.
- 2 Use the **◀ ▶ ▲ ▼** keys on the Remote Control to navigate in the menu.
Move to {SEARCH} and press **▼**.
Move to {TIME} and press **▶**.
→ Playback will pause.
- 3 Enter hours, minutes and seconds in the time edit box using Remote Control numerical key pad.
- 4 Press **OK** to confirm.
→ Playback starts from the selected time on the disc.
- 5 To remove the menu, press **SYSTEM MENU**.

Helpful Hint:

- This feature will not applicable to VCD discs with Playback control in PBC 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

Slow Motion (DVD/DVD-A/VCD/SVCD)

Slow motion can be activated by pressing the **▼** button. To exit slow motion mode, press **PLAY ►**.
OR

- 1 Press **SYSTEM MENU** and press **▲ ▼** to select {TOOLBAR} option.
- 2 Use the **◀ ▶ ▲ ▼** keys on the Remote Control to navigate in the menu.
Move to {SEARCH} and press **▼**.
Move to {SLOW} and press **►**.
→ Sound will be muted.
- 3 Press **◀ ▶** to select the required speed: $<1/8$, $<1/4$, $<1/2$ or <1 (backward), or $>1/8$, $>1/4$, $>1/2$ or >1 (forward).
→ Select 1 to play the disc at normal speed again.
- 4 To return to normal speed, press **PLAY ►**.

Searching (DVD/DVD-A/VCD/ SVCD/CD/MP3/SACD)

For DVD/DVD-A/VCD/SVCD

- 1 Press **SYSTEM MENU** and press **▲ ▼** to select {TOOLBAR} option.
- 2 Use the **◀ ▶ ▲ ▼** keys on the Remote Control to navigate in the menu.
Move to {SEARCH} and press **▼**.
Move to {FAST} and press **►**.
→ Sound will be muted.
- 3 Use **◀ ▶** to select the required speed: $<<4$, $<<8$ or $<<32$ (backward), or $>>4$, $>>8$ or $>>32$ (forward).
- 4 To return to normal speed, press **PLAY ►**.
- You can also hold down **▶▶▶** or **◀◀◀** keys for more than two seconds to activate fast search.

For CD/MP3/SACD

- 1 Use the **◀ ▶** keys to select the required speed: $<<32$, $<<8$ or $<<4$ (backward), or $>>4$ or $>>8$, $>>32$ (forward).
- 2 You can also hold down **▶▶▶** or **◀◀◀** keys for more than two seconds to activate fast search.

Still Picture and Frame-by-frame playback (DVD/DVD-A/VCD)

You can activate frame by frame playback by pressing **PAUSE II** or **▲** button on the remote control repeatedly.
OR

- 1 Press **SYSTEM MENU** and press **▲ ▼** to select {TOOLBAR} option.
- 2 Use the **◀ ▶ ▲ ▼** keys on the Remote Control to navigate in the menu.
Move to {SEARCH} and press **▼**.
Move to {FRAME BY FRAME} and press **►**.
→ Playback will pause.
- 3 Use the cursor keys **◀ ▶** to select the previous or next picture frame.
- 4 To exit frame by frame playback, 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

Program Playback (DVD/DVD-A/VCD/CD/SACD/MP3)

You can play the contents of the disc in the order you want by programming the tracks to be played. Up to 20 tracks can be stored.

- 1 Press **SYSTEM MENU** and press **▲ ▼** to select {TOOLBAR} option.
- 2 Use the **◀▶ ▲ ▼** keys on the Remote Control to navigate in the menu.

Move to {PROGRAM} and press **▼**.
Move to {TRACKS} and press **▶**.
→ The 'Program' menu appears.
- 3 Use **▲** or **▼** to select your preferred Title or Chapter number.
- 4 Press **OK** to confirm selection.
→ The selection of Title or Chapter numbers will appear in the {PLAYLIST}.

Erasing a selection in a Program

- 1 Press **▼** to select the {PLAYLIST}.
- 2 Press **▶** to display the {PLAYLIST} and use **▲** or **▼** to select the item you want to erase.
- 3 Press **OK** to erase the selection.

Erasing all selections

- Use **▼** to select {CLEAR ALL} and press **▶** to select confirm.
→ All selections will be erased.

To list the programmed item(s)

- While play is stopped, press **SYSTEM MENU**.
Select {PROGRAM} and set it to ON, then press **▶**.

Special DVD features

Selecting a title

Some DVDs may contain several titles. If the disc has a title menu recorded on it, you can start playback from the selected movie title.

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

Camera Angle

If the disc contains sequences recorded from different angle, this allows you to view picture from different angle.

- Press **ANGLE** repeatedly to select a different desire angle.
→ Playback changes to the selected angle.

Changing the Audio Language

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

Subtitles Language

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

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/Kodak Picture CD

This player can playback MP3, JPEG, or Kodak 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").

- 1 Load a disc.
→ The disc reading time may exceed 30 seconds due to the complexity of the file configuration.
→ Playback starts and the playlist appears automatically. If the disc includes both MP3 and picture files, the selection of menu appears on the TV screen.
- 2 Use ▲ ▼ to select a album/track and press **OK** to open the folder.
- 3 Use ◀ ▶ to select a album/track in the next layer to playback.
- 4 Playback will start at the selected file and continue to the end of the folder.
- 5 To stop playback, press **STOP** ■.
- Press **DISC MENU** to return to the thumbnail screen (for JPEG files).

Special features for picture disc playback

IMPORTANT!

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

Slide show playback setting

You can set the duration of each picture time playback.

- 1 Press **SYSTEM MENU** and press ▲ ▼ to select {TOOLBAR} option.
- 2 Use the ◀ ▶ ▲ ▼ keys on the Remote Control to navigate in the menu.
Move to {SLIDE SHOW} and press ▼.
Move to {PICTURE TIME} and press ▶.
Slow – Picture playback for 8 seconds.
Medium – Picture playback for 5 seconds.
Fast – Picture playback for 2 seconds.
- 3 Select an item and press **OK**.

Rotating the picture

- 1 Press **SYSTEM MENU** and press ▲ ▼ to select {TOOLBAR} option.
- 2 Use the ◀ ▶ ▲ ▼ keys on the Remote Control to navigate in the menu.
Move to {VIEW} and press ▶.
Move to {ROTATE} and press ▶ to choose the following: {- 180 to + 180}.
- 3 Select an item and press **OK**.

Helpful hint:

– Rotate function is not available during slide show playback.

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



Disc Operations

Zoom picture

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

Playback with multi-angles

- During playback, press ▲▼◀▶ to rotate the picture on the TV screen.
 - ▲: flip the picture vertically
 - ▼: flip the picture horizontally
 - ◀: rotate the picture anti-clockwise
 - ▶: rotate the picture clockwise

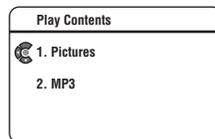
Scan Effect

- Press **ANGLE** repeatedly to choose a different scan effect.

Playing MP3 music or JPEG picture

It is possible to playback discs that contains both MP3 music and JPEG picture files.

- 1 Load a disc that contains music and picture.
 - The disc menu appears on the TV.



- 2 Select an MP3 track or a JPEG picture file.
 - The music tracks or picture files will be played back one after another until end of the folder.
- 3 To return to disc menu, press **STOP** ■ followed by ◀.

Helpful Hint:

- Some files on Kodak or JPEG disc may be distorted during playback due to the configuration and characteristics of the disc.

Playing Super Audio CD (SACD)

There are three types of SACD discs: single layer, double layer or hybrid disc. The hybrid disc contains both Super Audio CD and standard audio CD layers, only the SACD layer is possible to playback on this DVD player.

- 1 Load a SACD.
 - The disc menu appears on the TV screen.
- 2 Playback will start automatically.
 - If the SACD consists of multi-channel and stereo tracks, multi-channel tracks will have the priority for playback.
 - To playback stereo tracks, use ▲ ▼ keys to make your selection from the disc menu, then press **PLAY** ▶.

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

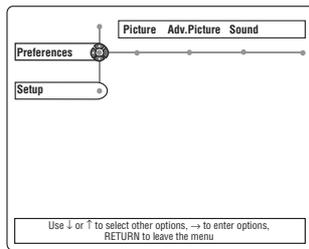


DVD Menu Options

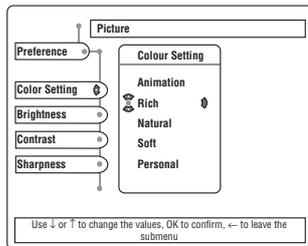
This DVD Player setup is carried out via the TV, enabling you to customize the DVD player setting to suit your own requirements.

Preferences

- 1 Press **SYSTEM MENU**.
- 2 Press **▲ ▼** to select {PREFERENCES}.
- 3 In {PREFERENCES}, press **◀ ▶** to highlight one of the preferred option.
- 4 Use the **◀ ▶ ▲ ▼** keys on the Remote Control to navigate in the menu.
- 5 Press **OK** to confirm.



Picture



Color Settings (not applicable for Component Video Output)

You can select from one of five predefined sets of color settings and one set {PERSONAL} which you can define yourself.

- 1 When {PERSONAL} is selected, it allows you to fine-tune saturation, brightness, contrast and sharpness.
- 2 Press **▲ ▼** to adjust the values of these parameters.
- 3 Press **OK** or **◀** to exit.

Saturation/ Contrast/ Brightness (not applicable for Component Video Output)

Adjust the video color saturation/contrast and brightness.

→ Use **◀ ▶** to select the following option; {-7 to +7}.

Sharpness (for all video output)

Adjust the sharpness of the video.

→ Use **◀ ▶** to select the following option; {0 to +7}.

Video Shift

Video shift can be used to adjust the horizontal position of the picture on the TV screen by scrolling the slider to the left or right.

→ Use **◀ ▶** to select the following option; {+1 to +7}.

NOTE:
Some of the features in the DVD Menu Options are described in "Getting Started".

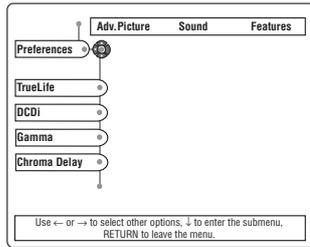
TIPS: To return to the previous menu, press **◀**.
To remove the menu, press **SYSTEM MENU**.



DVD Menu Options

Advance Picture

Allows you to fine-tune the following video parameters.



TrueLife (for Progressive Scan output only)

Produces a more dynamic picture by increasing the contrast and color intensity.

→ Use ◀▶ to select the following option; {0 to +7}.

DCDi (for Progressive Scan output only)

DCDi (Directional Correction Deinterlacing) computes and tracks the angle of edge to fill in the missing pixels on the TV screen.

→ **On** – Optimize the picture quality significantly, especially during the slow motion playback.

→ **Off** – Select this to disable DCDi function.

Gamma

Enables you to adjust the intensity of the picture non-linearly. A positive value enables you to bring out low level detail in dark scenes, while a negative value emphasizes contrast.

→ Use ◀▶ to select the following option; {-7 to +7}.

Chroma Delay

The chroma (color) and luma (brightness) signals are not synchronized. This setting allows you to adjust the advance delay of the chroma signal to yield a perfectly clear picture.

→ Use ◀▶ to select the following option; {-3 to +3}.

4:3 Aspect (for Progressive Scan output only)

To adjust the ratio of the pictures on the TV screen.

→ **4:3 Pillarbox** – For display of 4:3 picture on 16:9 TV screen without stretching.

→ **NL Stretch** – For display of 4:3 image on 16:9 TV with non-linear stretching (center portion of screen is stretch less than the side).

→ **Auto** – No aspect ratio adjustment

HiVideoDef (for HDMI/DVI output only)

You are able to select the resolution for finer color selection when picture appears on the TV screen. The available options will be displayed once you have connected the HDMI connection (see page 12).

→ Use ◀▶ to select the following option; {480p, 576p, 720p, 1080i, AUTO}.

Helpful Hints:

– If no display appears on the TV screen due to unsupported resolution, reconnect any available interlace video output to your monitor to re-adjust the resolution settings.

– Only 480p and 576p are available for progressive scan analogue output.

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



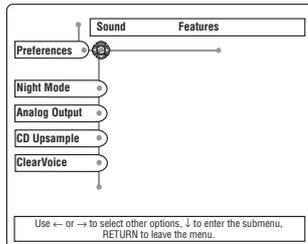
DVD Menu Options

Content Mode

This setting allows you to select the optimum of video output to maximise the video quality.

- **Video** – Select this to have a more stable and less of an action of video content.
- **Film** – Film mode is adapted best for movies.
- **Auto** – The video output will be in accordance with the video contents for most disc.

Sound



Night Mode

High volume outputs are softened, enabling you to watch your favorite action movie without disturbing others.

- **On** – The dynamics of your sound output are optimized.
- **Off** – To enjoy the surround sound with its full dynamic range.

Analog Output

Allows you to set the stereo analog output of your DVD Player.

- **Stereo** – Select this to change channel output to stereo that delivers sound from only the two front speakers and subwoofer.

→ **Dolby Surround-compatible** – Use this option when your DVD Player's AUDIO OUT jacks are connected to a Dolby Pro Logic decoder.

→ **3D Sound** – 3D Sound provides a virtual surround sound experience using just two speakers. Use this option connecting directly to a TV or stereo.

→ **Multi-channel** – Select this to enable Multi-channel output. Dolby Pro Logic 2 will be activated if a 2channel recorded disc is being played back.

Helpful Hints:

- Multi-channel and downmixed stereo output are not available simultaneously.
- You can also use **SOUND MODE** button to select this options.

CD Up-sampling

Allows you to convert your music CD from 44.1kHz/16 bit to various higher sampling rate for superior sound quality.

→ Use ◀▶ to select the following option; {88.2kHz, DSD, OFF}.

Helpful hints:

- CD Up-sampling will be disabled when {MULTICHANNEL} is selected.
- You can also use **AUDIO** button to select this options.

Clear Voice

Increases the volume of dialog for easy listening at night. This function is only available for certain multi-channel discs.

→ Use ▲▼ to select the {ON or OFF}.

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



DVD Menu Options

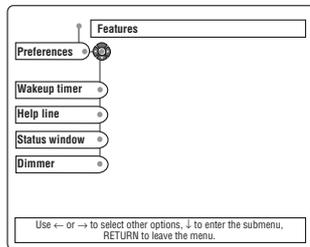
Karaoke Vocal

Enables you to play multi-channel karaoke DVDs.

→ **On** – Karaoke channels on the disc will be mixed into normal stereo, allowing you to hear both the lyrics and music together.

→ **Off** – The sound from lyrics will be muted.

Features



Wakeup timer

The DVD Player will turn on automatically after the preset time. Pressing any button during standby mode will cancel the wakeup timer mode.

→ Use ◀▶ to select the following option; {0 to 600} minutes.

Helpline

On – Helpline appears on the TV screen with a brief description of the selected option.

Off – If you no longer require the help-line.

Status Window

On – Displays the current play state and time information on the TV screen.

Off – No information shown on the TV screen.

Dimmer

To adjust the brightness of front panel display.

→ **Low** – Set to the lowest level of brightness.

→ **Medium** – Set to the medium level of brightness.

→ **Normal** – Set to the normal level of brightness.

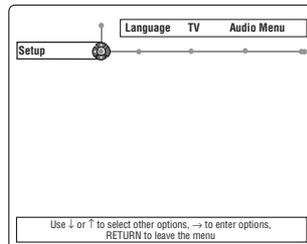
Helpful hint:

– You can also use **DIM** button to select this options.

Setup

- Playback will stop when {SETUP} menu is selected.

- 1 Press **SYSTEM MENU**.
- 2 Press ▲ ▼ to select {SETUP}.
- 3 In {SETUP}, press ◀▶ to highlight one of the preferred option.
- 4 Use the ◀▶ ▲ ▼ keys on the Remote Control to navigate in the menu.
- 5 Press **OK** to confirm.



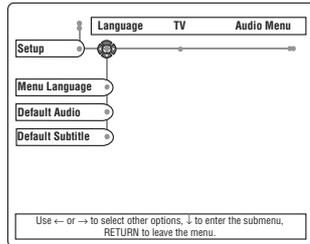
TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.



DVD Menu Options

English

Language



Menu Language

This menu contains various language options for display language on the TV screen. For details, see page 20.

Default Subtitle/ Default Audio

This menu contains various language options for subtitle or audio language which may be recorded on the DVD. For details, see page 20.

TV

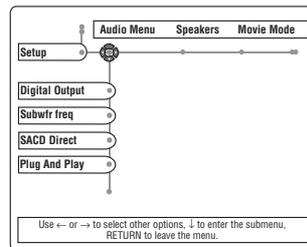
TV System

This menu contains the options for selecting the color system that matches the connected TV. For details, see page 19.

TV Shape

This menu contains the options for setting the aspect ratio of the DVD Player according to the connected TV. For details, see page 19.

Audio Menu



Digital Output

Digital output selection enables you to specify the type of digital output suitable for your AV receiver.

- **All** – If you connected the DVD Player's Digital (Coaxial or Optical) jack to a multi-channel decoder/receiver.
- **PCM Only** – If your receiver is not capable of decoding a multi-channel audio.
- **Off** – Select this to deactivate the digital output.

Helpful Hint:

- Digital output is not available for SACD due to copy-protection.

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



DVD Menu Options

Subwoofer frequency

Enables you to select Subwoofer frequency output between 120Hz {LOW} and 200Hz {HIGH}.

SACD Direct

Enables you (with a suitable speaker system where the satellite speaker has sufficient bass response to 40Hz) to bypass the bass management system for multi-channel SACD playback. This helps to preserve maximum sound quality of your SACD.

→ **On** – Select this to enjoy pure SACD quality.

→ **Off** – When set to OFF, the speaker settings will applied during multi-channel SACD playback (see page 21).

Plug and Play

This feature is available for automatic audio selection only when HDMI devices is connected and recognised.

→ **On** – Once the HDMI devices is recognised by the Player, the Analog audio and video output is muted.

→ **Off** – To disable Plug and Play mode.

PCM Output

Allows you to select PCM digital output between 48kHz and 96kHz.

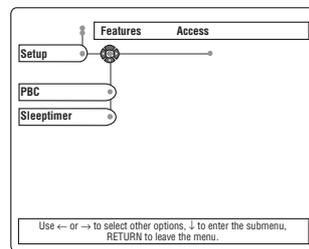
→ **48kHz** – A 96kHz PCM data disc will be converted to 48kHz.

→ **96kHz** – 96kHz PCM audio on non-copy protected DVD discs will be played back at 96kHz. For copy protected discs, the digital output will be downsampled to 48kHz.

Speakers (Advance Bass Management)

This menu contains setup options for your audio output which makes the speaker setup system reproduce high quality surround sound. For details, see page 21.

Features



PBC (Playback Control)

Playback Control feature (only for VCD 2.0) can be set to {ON or OFF}.

If 'ON' is selected, the disc menu (if available on the disc) will appear on the TV.

Sleep Timer

Sleep timer turns this DVD Player to standby mode when playback is stopped for 20 minutes.

→ **On** – DVD Player will go to standby after a pre-defined time.

→ **Off** – Select this to disable the {SLEEP TIMER}.

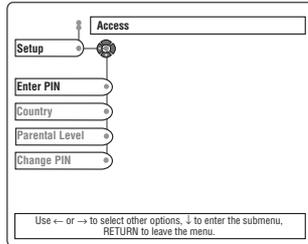
TIPS: To return to the previous menu, press ◀.
To remove the menu, press **SYSTEM MENU**.



DVD Menu Options

English

Access



Enter PIN

- 1 Press **SYSTEM MENU** and press ▼ to select {SETUP}.
- 2 Press ► to select {ACCESS}.
→ Playback will stop.
- 3 Move to {ENTER PIN} and enter the four-digit PIN.
- 4 Enter the four-digit PIN again to unlock the disc or the display the {ACCESS} menu.

Disc Lock

Not all discs are rated or coded by the disc maker. You can prevent a specific disc from playing by locking the disc.

→ **On** – You will need to enter the four-digit password before you can play the disc.

→ **Off** – Select this to unlock the disc and allow future playback.

Helpful hints:

– When a locked disc is loading, the DVD Player will prompt the four-digit password (“0000” is the default password).

– To change the password, refer to option {CHANGE PIN}.

Enabling Play once/Play Always

- 1 Insert a disc.
→ The ‘child safe’ dialog appears on the TV screen.
- 2 Press ▲ ▼ to select {Play once} or {Play always}. Then, enter the four-digit code.
→ {Play once} – the disc can play as long as it is in the disc tray and the DVD system power is on.
→ {Play always} – the disc will play always, even the Child Lock is set to (lock).
- 3 If you later want to lock the disc so it will not play always, insert the disc and press while the safe icon appears on the TV screen.
→ Locked icon will appear. You may need to remove the disc or turn off the power before the disc is completely locked. The next time when you insert the disc, it will not play unless you enter the four-digit code.

Country

- Parental Level codings are applicable only for the country specified on the disc set by the disc manufacturer.
- So, for some discs, you may need to choose the country for which the disc is coded in order to play at the Parental Level you select.

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



DVD Menu Options

Parental Level

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

- VCD, SVCD, CD have no level indication, so parental control has no effect on those kinds of discs. This also applies to most illegal DVDs.
- Press ▼ to {PARENTAL LEVEL}, then press ◀▶ to select a rating from 1 to 8 for the disc inserted.
 - Select "0" to deactivate Parental Level
 - Select a rating from 1 to 8; discs or scenes with the same rating or lower will play. Higher rated discs or scenes will not play unless you enter your 4-digit password.

Helpful Hint:

- 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 prohibit play of such Discs.

Rating explanations

8 ADULT

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

7 NC-17

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

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.

4 PG13

- Material is unsuitable for children under age 13.

3 PG

- Parental Guidance suggested.

1-2 G

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

0 NO PARENTAL

- It will play all discs.

Change PIN

- 1 Press **SYSTEM MENU** and press ▼ to select {SETUP} menu.
- 2 Press ▶ to select {ACCESS}.
 - Playback will stop.
- 3 Enter your four-digit password.
- 4 Press ▼ to {CHANGE PIN}, then press ▶ to enter the four-digit password again.
- 5 Enter the new four-digit password.
- 6 Enter the new four-digit password a second time to confirm.
 - The new four-digit password will take effect.
- 7 Press **SYSTEM MENU** again to exit the {SETUP} menu.

Helpful Hint:

- If you forget the password, you can press **STOP** key four times to reset the password to the default settings (0000).

TIPS: To return to the previous menu, press ◀.
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. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

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 Player 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.
Distorted picture	<ul style="list-style-type: none"> – Sometimes a small amount of picture distortion may appear, depending on the disc being played. 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 System 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 the audio cables and make sure both are connected secured to the TV or Stereo Audio In jacks.
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 audio at digital output	<ul style="list-style-type: none"> – Check the digital connections. – Check if your receiver can decode MPEG-2 or DTS. Make sure digital output is set to PCM Only. – Check if the audio format of the selected audio language matches your receiver capabilities.
Disc can't play	<ul style="list-style-type: none"> – A DVD+R/DVD+RW/CD-R must be finalized. – Ensure the disc label is facing up. – Check if the disc is defective by trying another disc. – If you have recorded a Picture CD or MP3 CD yourself, ensure that your disc contains at least 10 pictures or 5 MP3 tracks. – Check the Disc's Region Code.
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.

Visit us at www.p4c.philips.com for service support



Troubleshooting

Problem	Solution
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 the System Menu. - Depending on the disc availability, some menu items cannot be selected.

English



Visit us at www.p4c.philips.com for service support





Specifications

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

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

VIDEO PERFORMANCE

Component video output	Y: 1 Vpp into 75 ohm PbPr: 0.7 Vpp into 75 ohm
Video output	1 Vpp into 75 ohm
S-Video output	Y: 1 Vpp into 75 ohm C: 0.3 Vpp into 75 ohm
Video Shift	Left/Right

AUDIO FORMAT

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

Analog Stereo Sound
Dolby Surround-compatible downmix from Dolby Digital multi-channel sound
3D Sound for virtual surround sound on 2 speakers

PICTURE FORMAT

Digital Images	.JPG, JPEG
Maximum resolution	5 Mega Pixels

AUDIO PERFORMANCE

DA Converter	24 bits
DVD	fs 96 kHz 4 Hz - 44 kHz fs 48 kHz 4 Hz - 22 kHz
CD/Video CD	fs 44.1kHz 4 Hz - 20 kHz
S-Video CD	fs 48 kHz 4 Hz - 22 kHz fs 44.1kHz 4 Hz - 20 kHz
Signal-Noise (1kHz)	115 dB
Dynamic Range (1kHz)	95 dB
Crosstalk (1kHz)	110 dB
Distortion and Noise (1kHz)	95 dB
MPEG MP3	MPEG Audio Layer 3

CONNECTIONS

Scart Output	Euroconnector
Y Pb Pr output (480i/p)	Cinch 3x (green, blue, red)
Video output	Cinch (yellow)
S-Video output	Mini DIN, 4 pins
Audio L+R output	Cinch (white/red)
Digital Output	1 coaxial, 1 optical IEC60958 for CDDA / LPCM IEC61937 for MPEG 1/2, Dolby Digital, DTS

CABINET

Dimensions (w x h x d)	435 x 79 x 315 mm
Weight	Approximately 5.3 kg

POWER SUPPLY (UNIVERSAL)

Power inlet	
U.S.A and Canada models	120V, 60Hz
Australia models	240V; 50Hz
U.K and Europe models	230V; 50Hz
General model	110-240V; 50/60Hz
Power usage	Approx. 25 W
Power usage standby	> 1 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 wide-screens is 16:9.

AUDIO OUT Jacks: Red and white jacks on the back of the DVD Player 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 second, 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 movie 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: Red, blue and green 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; YUV, etc.).

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.

DCDi™ by Faroudja: Digital Crystal Clear is a package of picture innovations that digitally adjusts and optimizes picture quality to optimal contrast, color and sharpness level.

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

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).

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

HDMI: HDMI is a direct digital connection that can carry digital HD video as well as digital multi-channel audio. By eliminating the conversion to analog signals, it delivers perfect picture and sound quality, completely free from noise. HDMI is fully backward-compatible with DVI.

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 the MP3 format. One CD-R or CD-RW can contain about 10 times more data than a regular CD.

Multichannel: DVDs are formatted to have each sound track constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

Parental level: Limits Disc play according to the age of the users or 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 to digital sound 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 playback. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive playback and searching.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a single frame. This system can convert the interlaced video from DVD into progressive format when the DVD Player is connected to a Progressive Scan TV. It dramatically increases the vertical resolution and provides the best picture.

Region code: A system allowing discs to be played only in the region designated. 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 an S-Video In jack.

Title: The longest section of a movie or music feature on DVD. Each title is assigned a title number, enabling you to locate the title you want.

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