

DVD VIDEO PLAYER

DVP3020

User manual

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



PHILIPS

México

NOM-135-11
NVEE

Es necesario que lea cuidadosamente su instructivo de manejo.



Descripción:

Modelo:

Alimentación:

Consumo:

Importador: **Philips Mexicana, S.A. de C.V.**

Domicilio: **Av. La Palma No.6,
Col. San Fernando, La Herradura
Huixquilucan, Edo de Mexico
C.P. 52784, Mexico**

Localidad y Tel.: **Tel. 52 69 90 00**

Exportador:

País de Origen:

Nº de Serie: _____

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ANTES DE USAR SU APARATO.**

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- Maltrato, descuido o mal uso, presencia de insectos o roedores (cucarachas, ratones etc.).*
- Cuando el aparato no haya sido operado de acuerdo con el instructivo del uso, fuera de los valores nominales y tolerancias de las tensiones (voltaje), frecuencia (ciclaje) de alimentación eléctrica y las características que deben reunir las instalaciones auxiliares.*
- Por fenómenos naturales tales como: temblores, inundaciones, incendios, descargas eléctricas, rayos etc. o delitos causados por terceros (choques asaltos, riñas, etc.).*

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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.

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.



Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

The apparatus shall not be exposed to dripping or splashing and 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 VIDEO player and enter below the Serial No. Retain this information for future reference.

Model No. DVP 3020
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 MAYBE DIFFERENT BETWEEN COUNTRIES.

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

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

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.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

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

Language Code

Abkhazian	6566	Inupiaq	7375	Pusho	8083
Afar	6565	Irish	7165	Russian	8285
Afrikaans	6570	Íslenska	7383	Quechua	8185
Amharic	6577	Italiano	7384	Raeto-Romance	8277
Arabic	6582	Ivrit	7269	Romanian	8279
Armenian	7289	Japanese	7465	Rundi	8278
Assamese	6583	Javanese	7486	Samoan	8377
Avestan	6569	Kalaallisut	7576	Sango	8371
Aymara	6589	Kannada	7578	Sanskrit	8365
Azerhijani	6590	Kashmiri	7583	Sardinian	8367
Bahasa Melayu	7783	Kazakh	7575	Serbian	8382
Bashkir	6665	Kernewek	7587	Shona	8378
Belarusian	6669	Khmer	7577	Shqip	8381
Bengali	6678	Kinyarwanda	8287	Sindhi	8368
Bihari	6672	Kirghiz	7589	Sinhalese	8373
Bislama	6673	Komi	7586	Slovensky	8373
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Brezhoneg	6682	Kurdish	7585	Sotho; Southern	8384
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Ελληνικά	6976	Navaho; Navajo	7886	Twi	8487
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Français	7082	Ndebele, South	7882	Ukrainian	8575
Frysk	7089	Ndonga	7871	Urdu	8582
Fijian	7074	Nederlands	7876	Uzbek	8590
Gaelic; Scottish Gaelic	7168	Nepali	7869	Vietnamese	8673
Gallegan	7176	Norsk	7879	Volapuk	8679
Georgian	7565	Northern Sami	8369	Walloon	8765
Gikuyu; Kikuyu	7573	North Ndebele	7868	Welsh	6789
Guarani	7178	Norwegian Nynorsk;	7878	Wolof	8779
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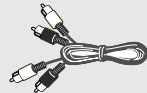
Introduction

Supplied accessories

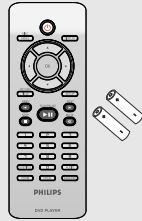
Composite video cable (yellow)



Audio cable (white, red)



Remote Control and two AAA 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.

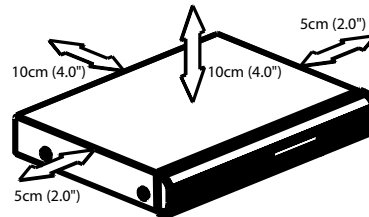
Setup

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 (4.0") clearance from the rear and the top of the set and 5 cm (2.0") from the left and right to prevent overheating.



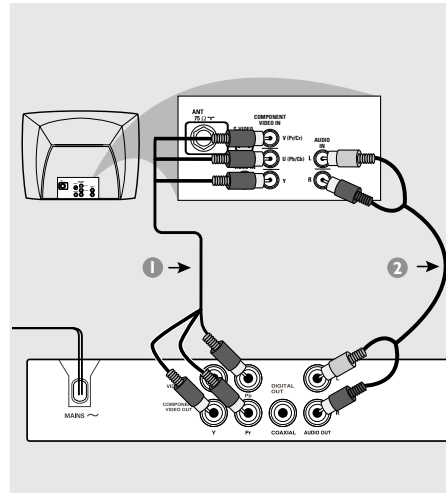
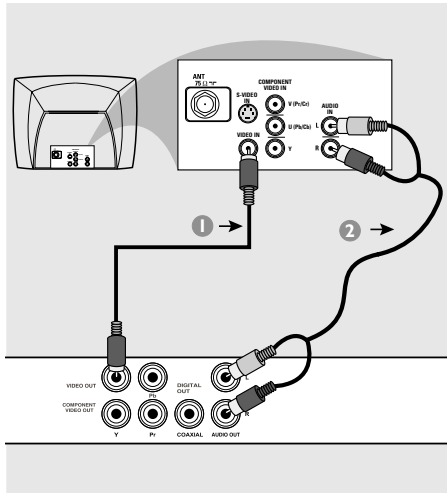
Avoid high temperatures, moisture, water and dust

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

Connections

English

Connecting TV



IMPORTANT!

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

Using Composite Video jacks (CVBS)

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

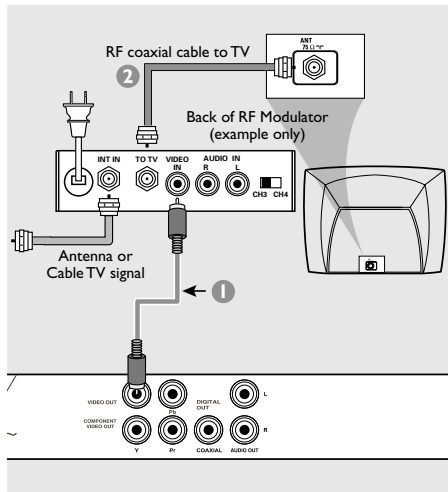
IMPORTANT!

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

Using Component Video jacks (Y Pb Pr)

- 1 Use the component video cables (red/blue/green) to connect the DVD system's Y Pb Pr jacks to the corresponding Component video input jacks (or labeled as Y Pb Pr) on the TV (cable not supplied).
- 2 To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the TV (cable supplied).
- 3 Proceed to page 15 for detailed Progressive Scan set up.

Connections



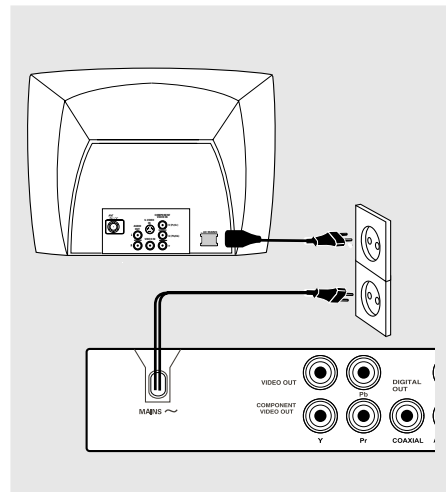
IMPORTANT!

– 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 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.

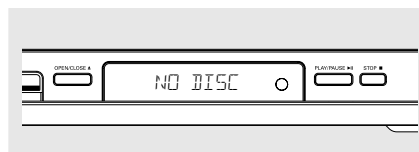
Connecting the power cord



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

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

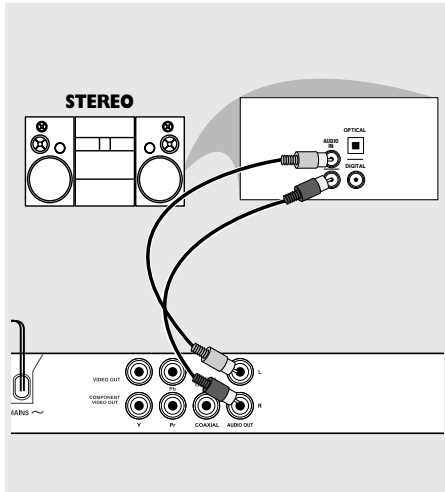
When no disc is loaded, press **STANDBY ON** on the DVD Player front panel, "NO DISC" may appear on the display panel.



Connections

English

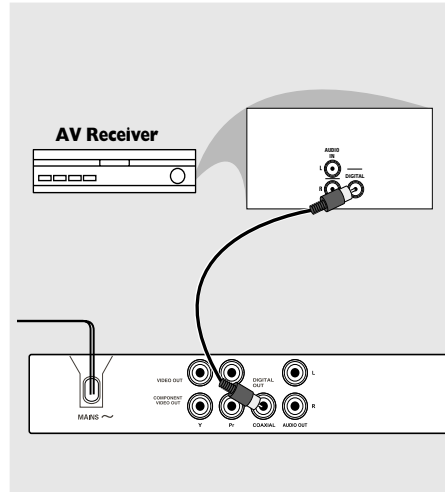
Optional: Connecting to a Stereo System



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

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

Optional: Connecting Digital AV Receiver



Receiver has a PCM, Dolby Digital, or MPEG2 decoder

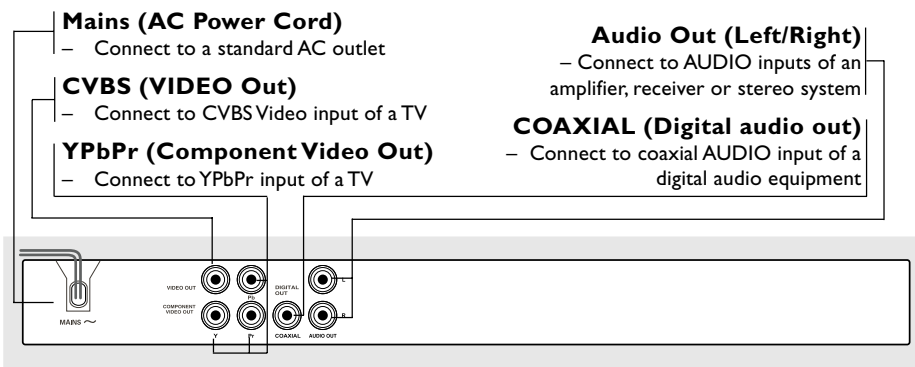
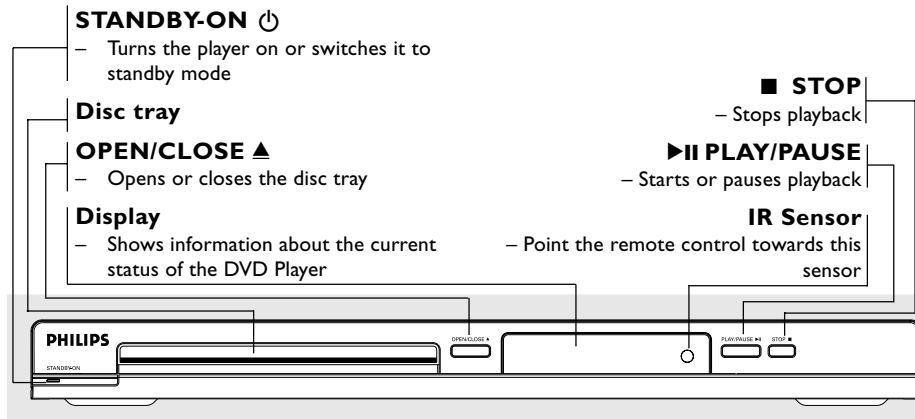
- 1 Select one of the video connections (CVBS VIDEO IN or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Connect the COAXIAL jack of the DVD Player to the corresponding Digital Audio In jack on your Receiver (cable not supplied).
- 3 Set the DVD Player's Digital Output to PCM-ONLY or ALL depending on the capabilities of your Receiver (see page 26 "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

Front and Rear Panels

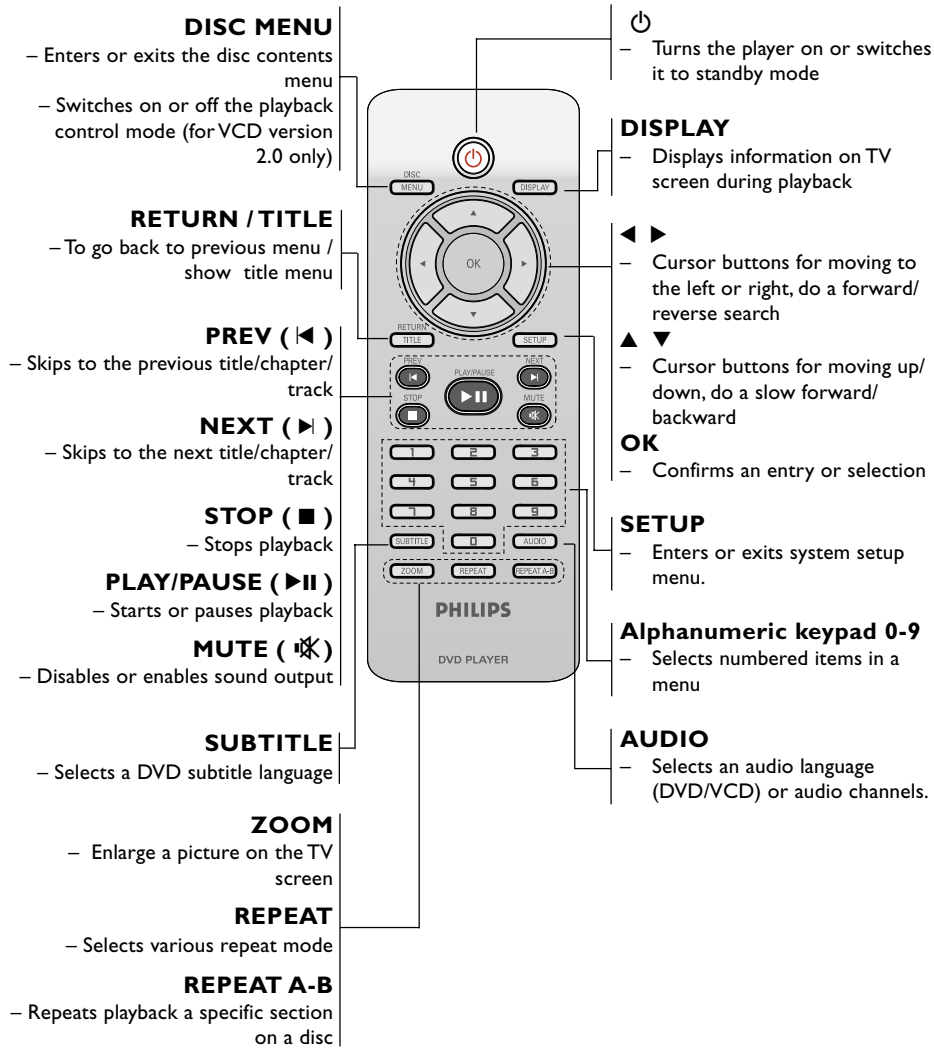


Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

Functional Overview

English

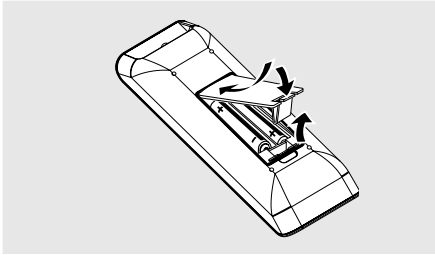
Remote Control



Helpful Hint:
Press “STOP” for about 2 seconds to OPEN or CLOSE disc tray.

Getting Started

Step 1: Inserting batteries into the Remote Control



- 1 Open the battery compartment.
- 2 Insert two batteries type R03 or AAA, following the indications (+ -) inside the compartment.
- 3 Close 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.
- 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 pages 9-10 "Connecting TV").

- 1 Turn on the TV and set to the correct video-in channel. You should see the DVD background screen on the TV.
- 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.
 - 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.
- 3 If you are using external equipment, (eg. audio 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.

Getting Started

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

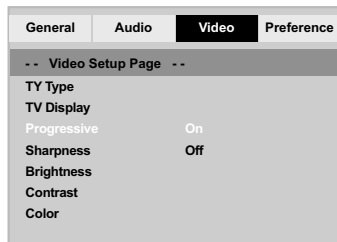
The progressive scan display twice the number of frames per seconds than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

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.)

- 1 Turn on your TV.
- 2 Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual.)
- 3 Press **POWER** (⏻) on the remote control to turn on the DVD player.
- 4 Select the correct Video Input channel. (See page 14).
→ The DVD background screen appears on the TV.
- 5 Press **SETUP**.
- 6 Press **▶** to select {VIDEO SETUP PAGE}.



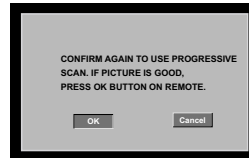
- 7 Select {PROGRESSIVE} to {ON}, then **OK** to confirm.
→ The instruction menu appears on the TV.



- 8 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.

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



- 10 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.

To deactivate Progressive manually:

- Wait for 15 seconds for auto recovery.
OR
- 1 Press **OPEN CLOSE ▲** on the DVD player to open the disc tray.
- 2 Press **numeric keypad '1'** on the remote control for few seconds.
→ The DVD background screen appears on the TV.

Helpful Hint:

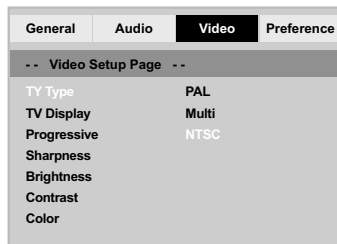
- There are some progressive scan TV and High-Definition TV sets that are not fully compatible with this DVD system, resulting in the unnatural picture when playing back a DVD VIDEO disc in the progressive scan mode. In such a case, turn off the progressive scan feature on both the DVD player and your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

TIPS: The underlined option is the factory default setting.
Press **◀** to go back to the previous menu item. Press **SETUP** to exit the menu item.

Getting Started

Selecting the colour system that corresponds to your TV

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



- 1 Press **SETUP**.
- 2 Press **▶** to select {VIDEO SETUP PAGE}.
- 3 Press **▲▼** to highlight {TV TYPE}, then press **▶**.
- 4 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.

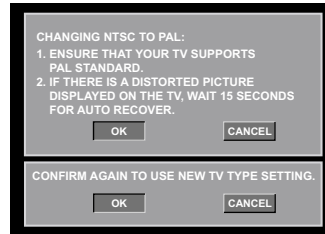
NTSC – Select this if the connected TV is NTSC system. It will change the video signal of a PAL disc and output in NTSC format.

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.

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

Helpful Hints:

- **Before changing the current TV Standard 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 manually:

- Wait for 15 seconds for auto recovery.
OR
- 1 Press **OPEN CLOSE ▲** on the DVD player to open the disc tray.
- 2 Press **numeric keypad '3'** on the remote control for few seconds.
→ The DVD background screen appears on the TV.

TIPS: The underlined option is the factory default setting.
Press **◀** to go back to the previous menu item. Press **SETUP** to exit the menu item.

Getting Started

Step 3: Setting language preference

The language options are different depending on your country or region. It may not correspond to the illustrations shown on the user manual.

Setting the OSD Language

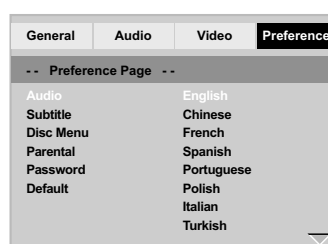
The On-screen language for the system menu will remain as you set it, regardless of various disc languages.



- 1 Press **SETUP**.
- 2 Press **▶** to select {GENERAL SETUP PAGE}.
- 3 Press **▲ ▼** to highlight {OSD LANGUAGE}, then press **▶**.
- 4 Press **▲ ▼** to select a language and press **OK**.

Setting the Audio, Subtitle and Disc menu language

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



- 1 Press **STOP** twice then, press **SETUP**.
- 2 Press **▶** to select {PREFERENCE PAGE}.
- 3 Press **▲ ▼** to highlight one of the options below at a time, then press **▶**.
 - 'Audio' (disc's soundtrack)
 - 'Subtitle' (disc's subtitles)
 - 'Disc Menu' (disc's menu)
- 4 Press **▲ ▼** to select a language and press **OK**.

If the language you want is not in the list, then select {OTHERS}, then use the **numeric keypad (0-9)** on the remote to enter the 4-digit language code 'XXXX' (see page 5 "Language Code") and press **OK**.

- 5 Repeat steps 3~4 for other language settings.

TIPS: The underlined option is the factory default setting.
Press **◀** to go back to the previous menu item. Press **SETUP** to exit the menu item.

English

Disc Operations

IMPORTANT!

- If the inhibit icon (⊘) 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.
- 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 Video Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- 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
- WMA files on CD-R(W).
 - Supported Bit-rates : 32~192 kbps



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, Latin America	 
Russia and India regions	 
China, Calcos Islands, Walls and Futuna Islands	 

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

Disc Operations

Playing discs

- 1 Connect the power cords of the DVD Player and TV (and any optional stereo or AV receiver) to a power outlet.
- 2 Turn on the TV power and set to the correct Video In channel. (See page 14 "Setting up the TV").
- 3 Press **STANDBY-ON** to turn on the DVD player.
→ The DVD background screen appears on the TV.
- 4 Press **OPEN/CLOSE ▲** on the front of the DVD player.
- You can also hold down the **STOP ■** button on the remote control to open and close the disc tray.
- 5 Place a disc into the disc tray with the label facing up, then press **OPEN/CLOSE ▲**.
→ For double-sided discs, load the side you want to play facing up.
- 6 Playback will start automatically. If not press **PLAY/PAUSE ►II**.
→ If a disc menu appears on the TV, see page 21 "Using the Disc Menu".
→ If the disc is locked by parental control, you must enter your six-digit password. (See page 31).
- For more playback features, see pages 19-24.

Basic playback controls

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

Pausing playback

- 1 During playback, press **PLAY/PAUSE ►II** to pause playback and display a still picture.
→ Sound will be muted.
- 2 To resume normal playback, press **PLAY/PAUSE ►II** again.

Selecting title/chapter/track/angle

- Press **PREV ◀ / NEXT ▶** to go to the previous or next track/chapter.
- In STOP mode, press **DISPLAY** to display the disc information text line for title/chapter/track/angle.
- Use **alphanumeric keypad (0-9)** to enter valid title/chapter/track/angle number.
→ The playback skips to the selected title/chapter/track/angle.

Stopping playback

- Press **STOP ■**.

Helpful hints:

- Screen saver will start automatically if the disc playback is stopped/paused for 5 minutes.
- The player will automatically switch to Power Standby mode if you do not press any buttons for 15 minutes after the disc has stopped playing.

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

Disc Operations

Selecting various repeat/shuffle functions

Repeat play mode

The repeat play options vary depending on the disc type.

- While playing a disc, press **REPEAT** continuously to choose a repeat options.

For DVD

- Chapter (currently playing chapter)
- Title (currently playing title)
- All (entire disc)
- Off (cancel)

For Video CD

- Track (currently playing track)
- All (entire disc)
- Off (cancel)

For MP3, Audio CD

- Repeat One (currently playing file)
- Repeat Folder (all files in selected folder)
- Folder (playing all files in one folder once)
- Shuffle (all files in current folder at random playback)
- Single (currently playing file once)


For JPEG

In STOP mode,

- Repeat One (currently playing file)
- Repeat Folder (all files in selected folder)
- Folder (playing all files in one folder once)
- Shuffle (all files in current folder at random playback)
- Single (currently playing file once)

In PLAY mode,

- Repeat One (currently playing file)
- Repeat All (playing all files in one disc)
- Repeat Off (cancel)
- Shuffle (all files in current folder at random playback)
- Single (currently playing file once)

- Press **STOP**  to go back to the previous menu item.

Repeating a section within a chapter/track

- While playing a disc, press **REPEAT A-B** at your chosen starting point.
- Press **REPEAT A-B** again at your chosen end point.
 - The section A and B can be set only within the same chapter/track.
 - The section will now repeat continuously.
- To exit the sequence, press **REPEAT A-B**.

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

Disc Operations

Operations for video playback (DVD/VCD/SVCD)

Using the Disc Menu

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

To select a playback feature or item

- Use ◀▶ ▲ ▼ keys or **numeric keypad (0-9)** on the remote, then press **OK** to start playback.

To access or remove the menu

- Press **DISC MENU** on the remote.

Zooming in

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged picture.

- 1 During playback, press **ZOOM** repeatedly to display the picture with different scales.
 - Use ◀▶ ▲ ▼ keys to pan through the enlarged picture.
 - Playback will continue.
- 2 Press **ZOOM** repeatedly to return to the original size.

Slow Motion

- 1 Press ▲ during playback to select the required speed: 1/2, 1/4, 1/8 or 1/16 (forward {DVD/SVCD/VCD}).
 - Sound will be muted.
- 2 To return to normal speed, press **PLAY/PAUSE ▶II**.

Forward / Reverse Searching

- 1 Press ◀▶ during playback to select the required speed: 2X, 4X, 8X, 16X or 32X (backward or forward).
 - Sound will be muted (DVD/VCD) or intermittent (CD).
- 2 To return to normal speed, press **PLAY/PAUSE ▶II**.

English

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

Disc Operations

OSD (On-Screen Display)

This function displays disc information on the TV screen during playback.

- ① During playback, press **DISPLAY** repeatedly.
 - A list of available disc information appears on the TV screen.
- ② Use ◀▶ keys to select an option.
- ③ Enter hours, minutes and seconds from left to right in the time edit box using remote control numerical key pad.
 - Playback will change to the chosen time or to the selected title/chapter/track.

For DVD

- {Title CT:TT Chapter XX/TC}: displays the total available title and chapters in the disc and enable to select a chapter for viewing.
- {Title CT:TT Time X:XX:XX}: displays the total available title in the disc and enable to select the hour, minute and second of the title.
- {Chapter CC:TC Time X:XX:XX}: displays the total available chapter in the disc and enable to select the hour, minute and second of the title.
- {Angle 1/2}: displays the total available angle in the disc and enable to select a valid number and playback will show the selected angle.

For Super VCD, VCD

- {Disc Go To XX:XX}: enable to select any part within the disc.
- {Track Go To XX:XX}: enable to select any part within the current track.
- {Select Track XX:TT}: enable to select any track.

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

Disc Operations

Special DVD Features

Playing a Title

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

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 (MONO LEFT, MONO RIGHT, MIX-MONO, STEREO).

Subtitles

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

Special VCD & SVCD Features

Playback Control (PBC)

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

- Press **DISC MENU** to toggle between 'PBC ON' and 'PBC OFF'.
→ If you select 'PBC ON', the disc menu (if available) will appear on the TV.
→ Use the **PREV ◀ / NEXT ▶** or the numeric keypad (0-9) to select a play option.
- During playback, pressing **RETURN/TITLE** will return to the menu screen (if PBC is on).

If you want to skip the index menu and playback directly from the beginning,

- Press **DISC MENU** key on the remote control to switch to PBC off.

English

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

Disc Operations

Playing MP3/WMA/JPEG (Kodak) Picture CD

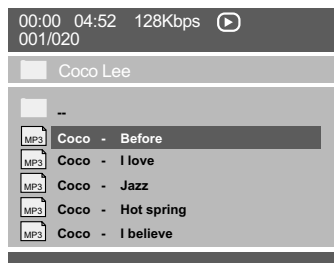
IMPORTANT!

You have to turn on your TV and set to the correct Video In channel. (See page 14 "Setting up the TV").

- Load a Picture disc (Kodak Picture CD, JPEG).
 - For Kodak disc, the slide show will begin.
 - For JPEG disc, the picture menu appears on the TV screen. Press **PLAY/PAUSE ►II** to start the slide-show playback.

General Operation

- 1 Load an MP3/WMA/JPEG Picture CD disc.
 - The data disc menu appears on the TV screen.
- 2 Press **▲▼** to select the folder and press **OK** to open the folder.



- 3 Press **▲▼** or use the numeric keypad (0-9) to highlight an option.
- 4 Press **OK** to confirm.
 - Playback will start from the selected file to the end of the folder.

Playback selection

During playback, you can;

- Press **PREV ◀ / NEXT ▶** to select the previous/next track/file in the current folder.
- Press **PLAY/PAUSE ►II** repeatedly to pause/resume playback.

Repeat

- Press **REPEAT** continuously to access different 'Play Mode'.
 - REPEAT ONE: keep a JPEG image still on the screen or play an MP3 file repeatedly.
 - REPEAT FOLDER: play all files in the selected folder repeatedly.
 - FOLDER: play all files in the selected folder.
 - SHUFFLE: play all files in the selected folder in random order.
 - SINGLE: play the selected file once, then return to the menu.

Fast forward / reverse (MP3)

- During playback, press **◀▶** to fast forward or reverse playback.
- To resume normal playback, press **PLAY/PAUSE ►II**.

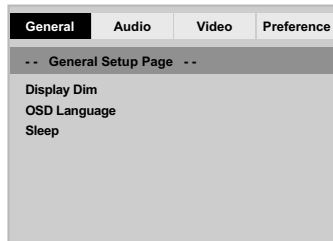
TIPS: The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

DVD Setup Menu Options

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

General Setup menu

- 1 In disc mode, press **SETUP**.
- 2 Press ◀▶ to select 'General Setup'.
- 3 Press **OK** to confirm.



Dimming player's display panel

You can select different levels of brightness for the display screen.

- 1 In 'GENERAL SETUP PAGE', press ▲▼ to highlight {DISPLAY DIM}, then press ▶.
 - 100%** – Select this for full brightness.
 - 70%** – Select this for medium brightness.
 - 40%** – Select this for dimming the display.
- 2 Press ▲▼ to select a setting, then press **OK** to confirm your selection.

OSD Language

This menu contains various language options for display language on the screen. For details, see page 17.

Sleep

Sleep function allows you to turn off the DVD Player automatically after a preset time.

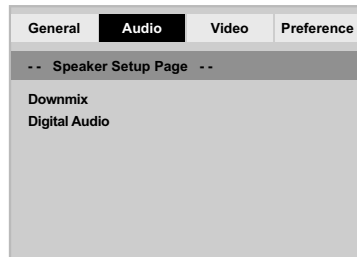
- 1 In 'GENERAL SETUP PAGE', press ▲▼ to highlight {SLEEP}, then press ▶.
 - 15 Mins**
Turn off the DVD Player after 15 minutes.
 - 30 Mins**
Turn off the DVD Player after 30 minutes.
 - 45 Mins**
Turn off the DVD Player after 45 minutes.
 - 60 Mins**
Turn off the DVD Player after 60 minutes.
 - OFF**
Turn off the sleep function.
- 2 Press ▲▼ to select a setting, then press **OK** to confirm your selection.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to the previous menu item. Press **SETUP** to exit the menu item.

DVD Setup Menu Options

Audio Setup Menu

- 1 In disc mode, press **SETUP**.
- 2 Press ◀▶ to select 'Audio Setup'.
- 3 Press **OK** to confirm.



Setting the Downmix

This options allows you to set the stereo analog output of your DVD Player.

- 1 In 'AUDIO SETUP PAGE', press ▲▼ to highlight {DOWNMIX}, then press ▶.

STEREO

Select this to change channel output to stereo which delivers sound from only the two front speakers.

LT/RT

Select this option if your DVD Player is connected to a Dolby Pro-Logic decoder.

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

Digital Audio Setup

The options included in Digital Audio Setup are: 'Digital Output' and 'LPCM Output'.

- 1 In 'AUDIO SETUP PAGE', press ▲▼ to highlight {DIGITAL AUDIO}, then press ▶.
- 2 Press the ▲▼ keys to highlight an option.
- 3 Enter its submenu by pressing ▶.
- 4 Press ▲▼ to select a setting, then press **OK** to confirm your selection.

Digital Output

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

→ **SPDIF Off**: Turn off the digital output.

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

→ **PCM Only**: Only if your receiver is not capable of decoding multi-channel audio.

Helpful Hints:

– If **DIGITAL OUTPUT** is set to 'All', all audio settings except **MUTE** are invalid.

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'.

Discs are recorded at a certain sampling rate. The higher the sampling rate, the better the sound quality.

→ **48kHz**: Playback a disc recorded at the sampling rate of 48kHz.

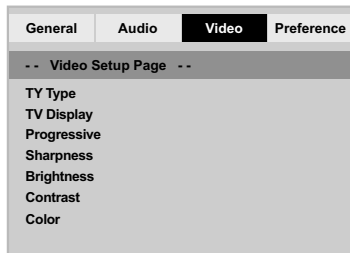
→ **96kHz**: Playback a disc recorded at the sampling rate of 96kHz.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to the previous menu item. Press **SETUP** to exit the menu item.

DVD Setup Menu Options

Video Setup Menu

- 1 In disc mode, press **SETUP**.
- 2 Press ◀▶ to select 'Video Setup'.
- 3 Press **OK** to confirm.



TV Type

This menu contains the options for selecting the colour system that matches the connected TV. For details, see page 16.

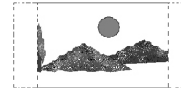
Setting the TV Display

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.

- 1 In 'VIDEO SETUP PAGE', press ▲▼ to highlight {TV DISPLAY}, then press ▶.
- 2 Press ▲▼ to highlight one of the options below:

4:3 PAN SCAN –

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



4:3 LETTER BOX –

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



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



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

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to the previous menu item. Press **SETUP** to exit the menu item.

DVD Setup Menu Options

Progressive - turning on/off

In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD player's Y Pb Pr jacks to your TV that supports the progressive video input. Otherwise, a distorted picture will appear on the TV. For proper progressive scan set up, see page 15.

- In 'VIDEO SETUP PAGE', press ▲▼ to highlight {PROGRESSIVE}, then press ►.

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.

Sharpness

You can personalize your picture colour by adjusting sharpness.

- In 'VIDEO SETUP PAGE', press ▲▼ to highlight {SHARPNESS}, then press ►.

HIGH

Choose high to make the picture's edge sharper.

MEDIUM

Choose medium to get a standard picture.

LOW

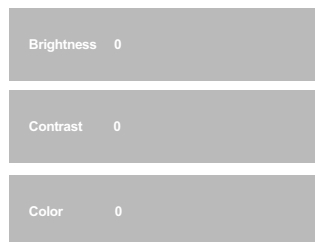
Choose low to make the picture's edge softer.

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

Brightness / Contrast / Color

Increasing the value will brighten the picture or vice versa. Choose zero (0) for average setting.

- In 'VIDEO SETUP PAGE', press ▲▼ to highlight {BRIGHTNESS}, {CONTRAST} or {COLOR}, then press ►.
 - The menu appears.



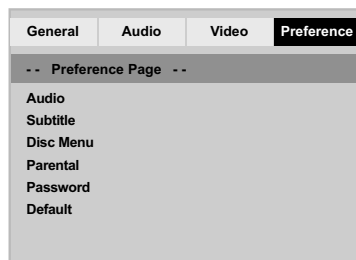
- Press ◀▶ to adjust the setting that best suit your personal preference.
- Press **OK** to confirm.

TIPS: The underlined option is the factory default setting.
Press ◀ to go back to the previous menu item. Press **SETUP** to exit the menu item.

DVD Setup Menu Options

Preference Page

- 1 Press **■** twice to stop playback (if any), then press **SETUP**.
- 2 Press **◀▶** to select the 'Preference Page' icon.
- 3 Press **OK** to confirm.



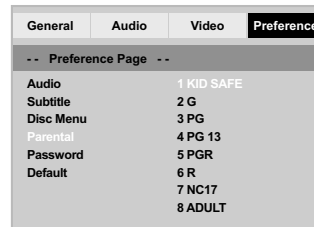
Audio, Subtitle, Disc Menu

These menus contain various language options for audio, subtitle and disc menu which may be recorded on the DVD. For details, see page 17.

Restricting playback by Parental Control

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

- 1 In 'PREFERENCE PAGE', press **▲▼** to highlight {PARENTAL}, then press **▶**.



English

TIPS: The underlined option is the factory default setting.
Press **◀** to go back to the previous menu item. Press **SETUP** to exit the menu item.

DVD Setup Menu Options

Restricting playback by Parental Control

- 2 Press ▲▼ to highlight a rating level for the disc inserted and press **OK**.
→ To disable Parental controls and have all Discs play, select {8 ADULT}.
- 3 Use the **numeric keypad (0-9)** to enter the six-digit password (see page 31 “Changing the password”).
→ DVDs that are rated above the level you selected will not play unless you enter your six-digit password.

Helpful Hints:

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

Rating explanations

1 KID SAFE

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

2 G

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

3 PG

- Parental Guidance suggested.

4 PG13

- Material is unsuitable for children under age 13.

5-6 PG-R

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

7 NC17

- 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.

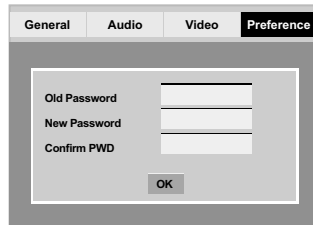
TIPS: The underlined option is the factory default setting.
Press ◀ to go back to the previous menu item. Press **SETUP** to exit the menu item.

DVD Setup Menu Options

Changing the Password

The same password is used for both Parental Control and Disc Lock. Enter your six-digit password when prompted on the screen. The default password is 136900.

- 1 In 'PREFERENCE PAGE', press ▲▼ to highlight {PASSWORD}, then press ► to select {CHANGE}.
- 2 Press **OK** and the menu appears.



- 3 Use the **numeric keypad (0-9)** to enter your old six-digit password.
 - When doing this for the first time, key in '136900'.
 - If you forget your old six-digit password, key in '136900'.
- 4 Enter the new six-digit password.
- 5 Enter the new six-digit password a second time to confirm.
 - The new six-digit password will now take effect.
- 6 Press **OK** to confirm.

Restoring to original settings

Setting the DEFAULT function will reset all options and your personal settings to the factory defaults, except your password for Parental Control and Disc Lock.

- 1 In 'PREFERENCE PAGE', press ▲▼ to highlight {DEFAULT}, then press ► to select {RESET}.
- 2 Press **OK** to confirm.
 - All settings will now reset to factory defaults.

TIPS: The underlined option is the factory default setting. Press ◀ to go back to the previous menu item. Press **SETUP** to exit the menu item.

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 system to turn on the power.
No picture	<ul style="list-style-type: none"> – Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Check if the TV is switched on. – If the progressive scan feature is activated but the connected TV does not support progressive signals or the cables are not connected accordingly, see page 15 for proper progressive scan set up or deactivate the progressive scan feature as below: <ol style="list-style-type: none"> 1) Turn off your TV progressive scan mode or turn on to interlaced mode. 2) Press OPEN/CLOSE to open the disc tray. 3) Press numeric keypad '1' on the remote control for few seconds.
Distorted picture	<ul style="list-style-type: none"> – Sometimes a small amount of picture distortion may appear depending on the disc being played back. This is not a malfunction.
Completely distorted picture or black/white picture with DVD	<ul style="list-style-type: none"> – Connect DVD Player directly to the TV. – Make sure the disc is compatible with the DVD/ Player. – Ensure that the DVD Player's TV Type is set to match that of the Disc and your TV.
No sound or distorted sound	<ul style="list-style-type: none"> – Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	<ul style="list-style-type: none"> – Check the digital connections. – Check if your receiver can decode MPEG-2 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.

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

Troubleshooting

Problem	Solution
Disc can't be played	<ul style="list-style-type: none">– 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.
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 centre to edge.
No return to start-up screen when disc is removed	<ul style="list-style-type: none">– Reset the unit by switching the player off, then on again.
The player does not respond to the Remote Control	<ul style="list-style-type: none">– Aim the Remote Control directly at the sensor on the front of the player.– Reduce the distance to the player.– Replace the batteries in the Remote Control.– Re-insert the batteries with their polarities (+/- signs) as indicated.
Buttons do not work	<ul style="list-style-type: none">– To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	<ul style="list-style-type: none">– Operations may not be permitted by the disc. Refer to the instructions of the disc jacket.
DVD Player cannot read CDs/DVDs	<ul style="list-style-type: none">– Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Player for repair.
Menu items cannot be selected	<ul style="list-style-type: none">– Press STOP twice before selecting System Menu.– Depending on the disc availability, some menu items cannot be selected.

English

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

Specifications

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

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

VIDEO PERFORMANCE

Video DAC	12 bit, 108MHz
YPbPr	0.7 Vpp — 75 ohm
Video Output	1Vpp — 75 ohm

VIDEO FORMAT

Digital Compression	MPEG 2 for DVD,SVCD
	MPEG 1 for VCD

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

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

AUDIO FORMAT

Digital	MPEG/ AC-3/ PCM	compressed Digital 16, 20, 24 bits fs, 44.1, 48, 96 kHz
	MP3(ISO 9660)	96, 112, 128, 256 kbps & variable bit rate fs, 32, 44.1, 48 kHz

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

AUDIO PERFORMANCE

DA Converter	24 bit, 192 kHz
DVD	fs 96 kHz 4Hz- 44kHz
	fs 48 kHz 4Hz- 22kHz
SVCD	fs 48 kHz 4Hz- 22kHz
	fs 44.1kHz 4Hz- 20kHz
CD/VCD	fs 44.1kHz 4Hz- 20kHz
Signal-Noise (1kHz)	> 90 dB
Dynamic range(1kHz)	> 80 dB
Crosstalk (1kHz)	> 70 dB
Distortion/noise (1kHz)	> 65 dB
MPEG MP3	MPEG Audio L3

CONNECTIONS

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

CABINET

Dimensions (w x h x d)	360 x 37 x 235 mm
Weight	Approximately 2.0 kg

POWER CONSUMPTION

Power Supply Rating	110-240V; 50/60Hz
Power consumption	< 10 W
Power consumption in Standby mode	< 0.8 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: Jacks on the back of the DVD System that send audio to another system (TV, Stereo, etc.).

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

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

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

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

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

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.

Multichannel: DVD is specified to have each sound track constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

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.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert the interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution.

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).

Surround: A system for creating realistic three-dimensional sound fields full of realism by arranging multiple speakers around the listener.

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

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