

DVD VIDEO PLAYER

DVP5900

## User manual

*Thank you for choosing Philips.*

### **Need help fast?**

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

*If you have read your instructions and still need assistance, you may access our online help at [www.philips.com/support](http://www.philips.com/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.**

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

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system may require a playability enhancement or upgrade. As DVD technology advances, these enhancements will become common and will be easy to complete.

**Go to [www.philips.com/support](http://www.philips.com/support) for software upgrade.**

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

## General Information

### Environmental Information

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

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

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

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



### 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. Should you have difficulty playing any such CD-Audio discs, kindly refer them to your CD-Audio disc retailer.**

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

For Customer Use:

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

Model No. DVP5900

Serial No. \_\_\_\_\_

### LASER

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

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English

Français

Español

Deutsch

Nederlands

**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

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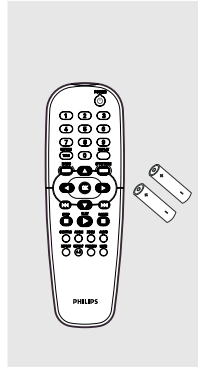
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## General Information

### Supplied accessories

Remote Control  
and  
two AA batteries



### Cleaning discs

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

### CAUTION!

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

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

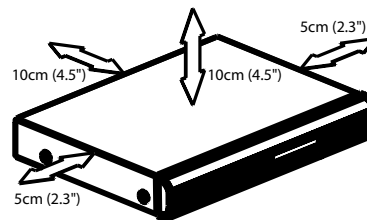
### Setup

#### Finding a suitable location

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

#### Space for ventilation

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

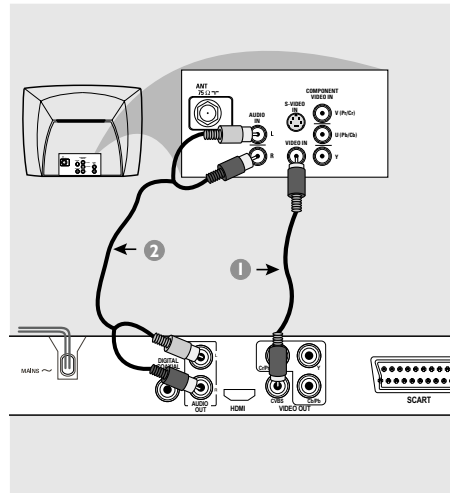
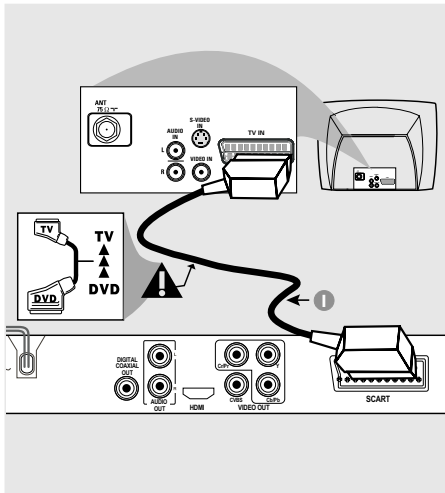


#### Avoid high temperatures, moisture, water and dust

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



## 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.
- SCART 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 (**TV OUT**) to the corresponding Scart input jacks on the TV (*cable not supplied*).

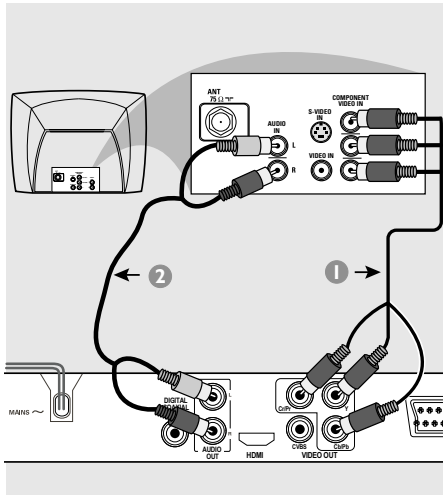
### Helpful Hint:

- 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.

### 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 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 not supplied*).

## Connections

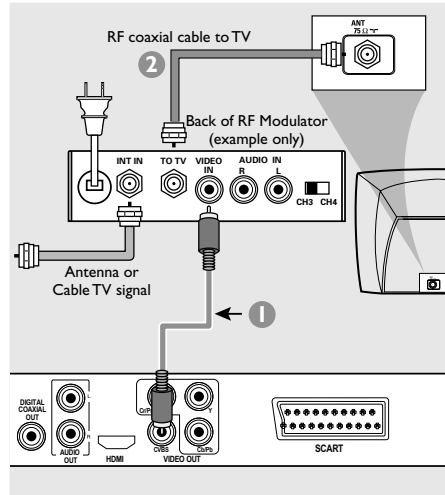


### IMPORTANT!

- 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 not supplied*).
- 3 Proceed to page 17 for detailed Progressive Scan set up.



### IMPORTANT!

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

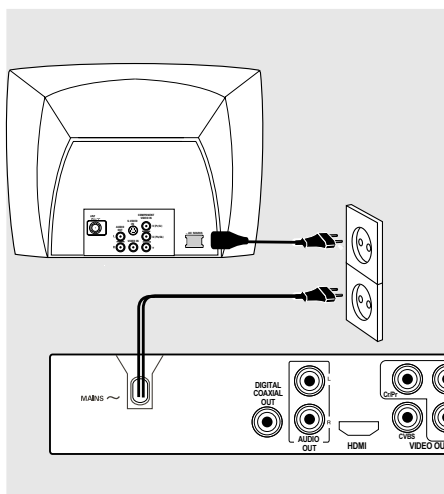
#### Using an accessory RF modulator

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

## Connections

English

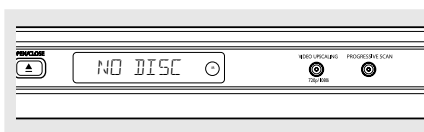
### Connecting the power cord



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

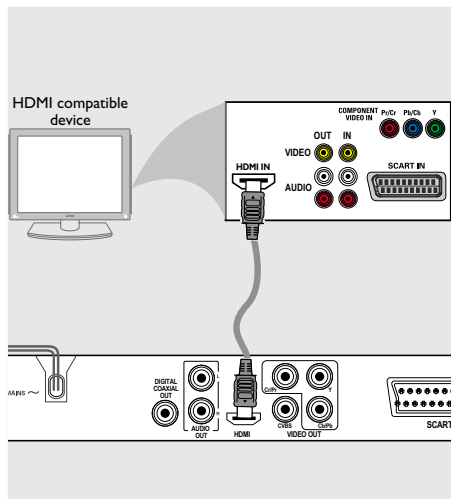
Never make or change any connections with the power switched on.

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



## Connections

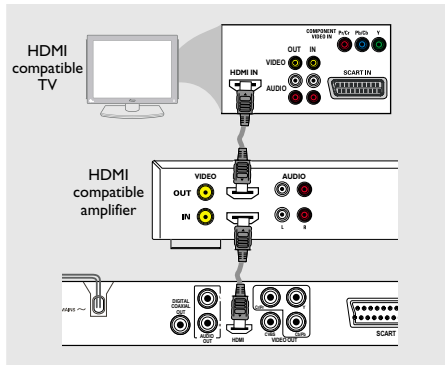
### Optional: Connecting to a HDMI compatible device



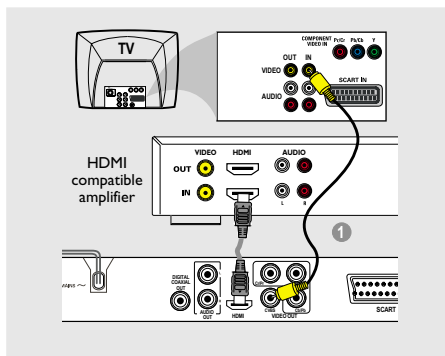
#### Using HDMI (High Definition Multimedia Interface) sockets

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

- To enjoy optimum multi-channel surround sound



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



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

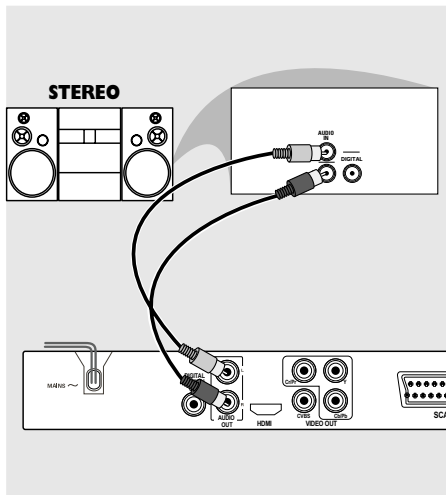
#### Helpful hint:

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

## Connections

English

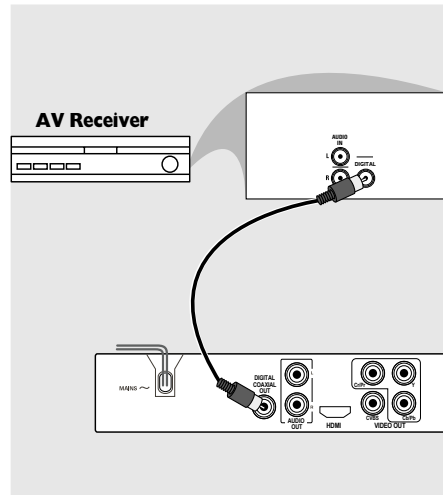
### Optional: Connecting to an Audio System



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

- 1 Select one of the video connections (CVBS VIDEO IN, SCART 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 not supplied).

### Optional: Connecting Digital AV Receiver



#### Receiver has a PCM, Dolby Digital, or MPEG2 decoder

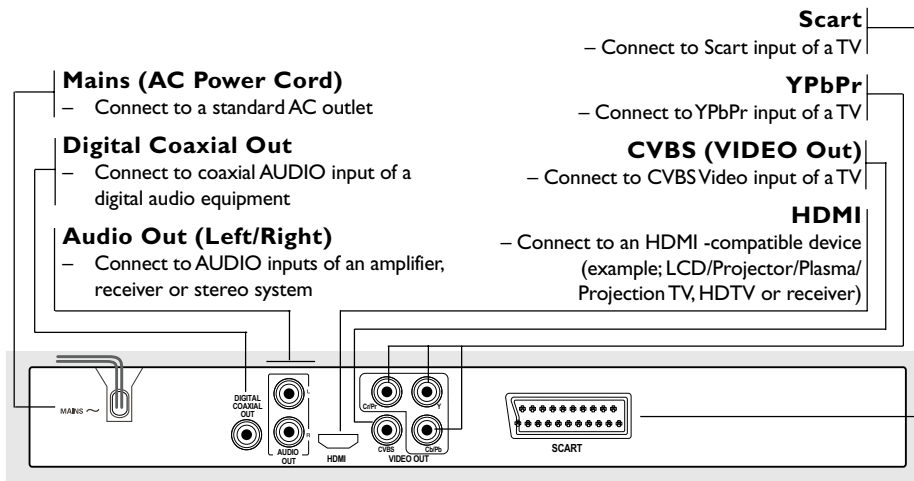
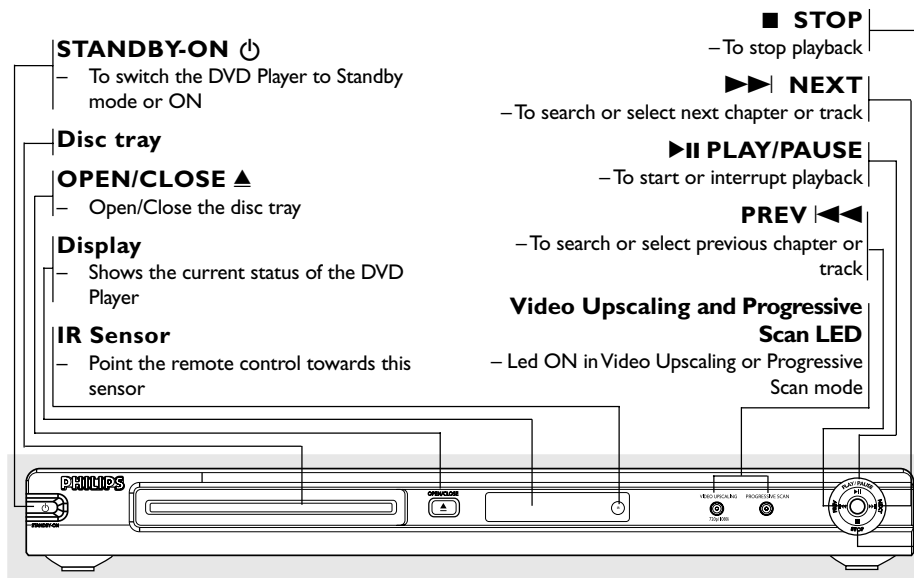
- 1 Select one of the video connections (CVBS VIDEO IN, SCART or COMPONENT VIDEO IN) depending on the options available on your TV.
- 2 Connect the COAXIAL jack of the DVD Player to the corresponding Digital Audio In jack on your Receiver (cable not supplied).
- 3 Set the DVD Player's Digital Output to PCM or ALL depending on the capabilities of your Receiver (see page 30 "Digital Output").

#### Helpful Hint:

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

## Functional Overview

### Front and Rear Panels

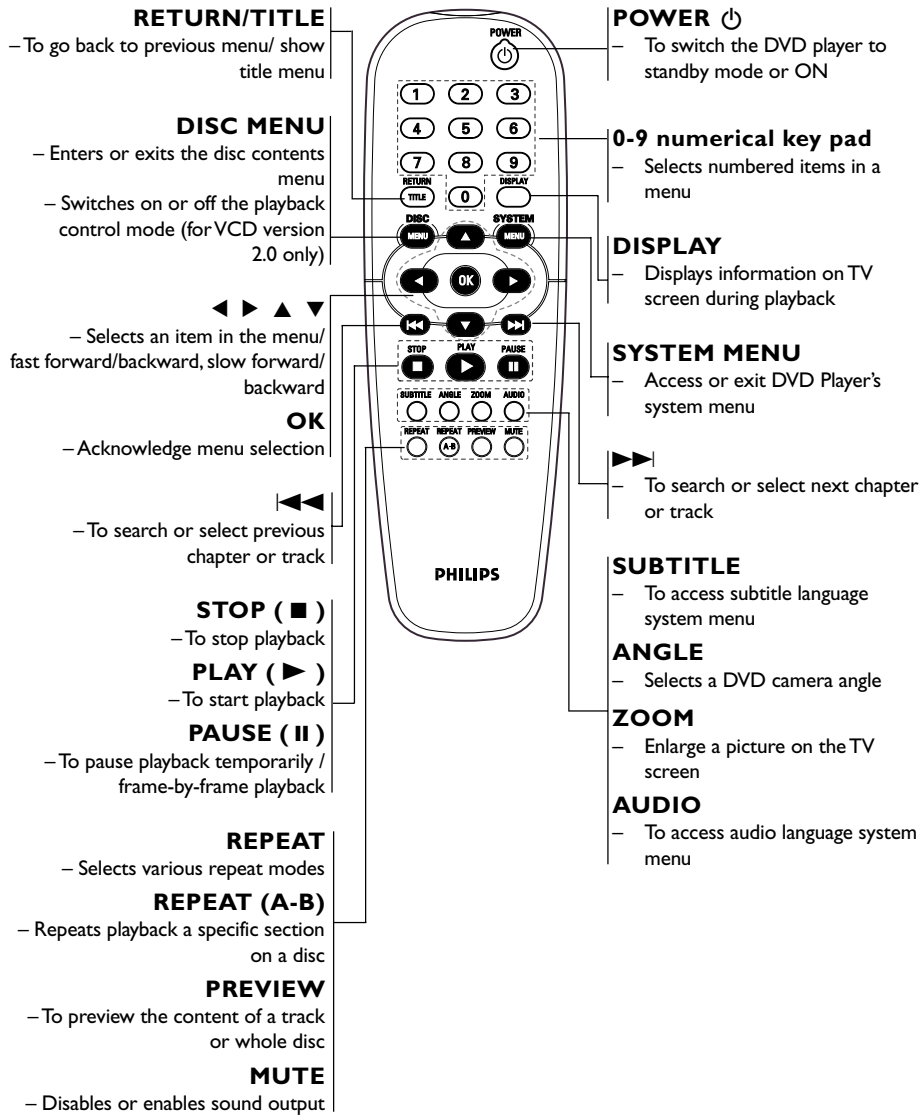


**Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.**

# Functional Overview

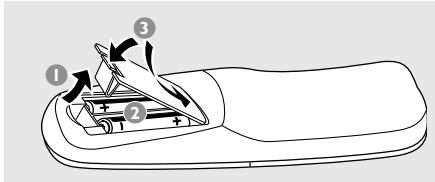
English

## Remote Control



## Getting Started

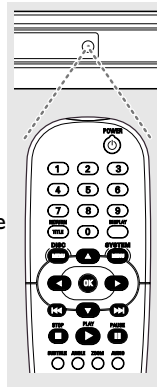
### Step 1: Inserting batteries into the Remote Control



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

English

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

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

#### IMPORTANT!

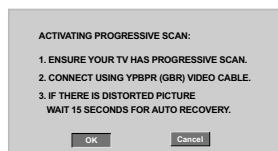
**Before enabling the progressive scan feature, you must ensure:**

- 1) Your TV can accept progressive signals, a progressive scan TV is required.
- 2) You have connected the DVD player to your TV using Y Pb Pr (see page 10.)

- 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 16).  
→ The DVD background screen appears on the TV.
- 5 Press **SYSTEM MENU**.
- 6 Press **▶** to select {Video}, then press **OK** to confirm.

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

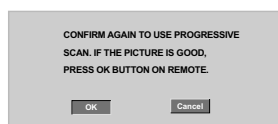
- 7 Select {Video Output} to {YPbPr}, then press **OK** to confirm.
- 8 Select {Progressive} to {On}, then **OK** to confirm.  
→ The below menu will appear on the TV.



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

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

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



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

#### If no picture:

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

#### Helpful Hint:

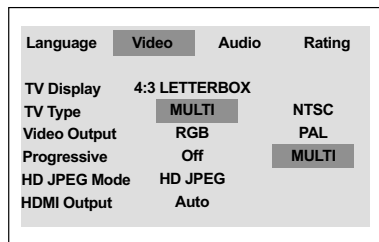
– There are some progressive scan TV and High-Definition TV sets that are not fully compatible with this DVD system, resulting in the unnatural picture when playing back a DVD VIDEO disc in the progressive scan mode. In such a case, turn off the progressive scan feature on both the DVD system and your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

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

## Getting Started

### Selecting the colour system that corresponds to your TV

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



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

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

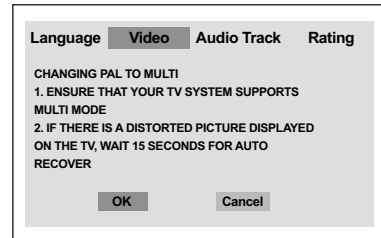
**NTSC** – Select this if the connected TV is NTSC system. It will change the video signal of a PAL disc (VCD only) and output in NTSC format.

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

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

#### Helpful Hints:

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



#### To reset to default TV colour system:

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

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

## Getting Started

English

### Step 3: Setting language preference

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

#### Setting the OSD Language

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

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

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

#### Setting the Audio, Subtitle and DVD menu language

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

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

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

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

## Disc Operations

### IMPORTANT!

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

### Playable Discs

#### Your DVD Player will play:

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















### Region Codes

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

#### Helpful Hints:

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

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

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

## Disc Operations

### IMPORTANT!

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

### Playing discs

- 1 Connect the power cords of the DVD Player and TV (and any optional stereo or AV receiver) to a power outlet.
- 2 Turn on the TV power and set to the correct Video In channel. (See page 16 "Setting up the TV").
- 3 Press **STANDBY-ON** on the DVD Player front panel.  
→ You should see the DVD background screen on the TV.
- 4 Press **OPEN/CLOSE ▲** button to open the disc tray and load in a disc, then press the same button again to close the disc tray.  
→ Make sure the label side is facing up. For double-sided discs, load the side you want to play facing up.
- 5 Playback will start automatically. If not press **PLAY ►**.  
→ If a disc menu appears on the TV, see "Using the Disc Menu".  
→ If the disc is locked by parental control, you must enter your four-digit password. (See page 32).
- 6 At any time, simply press **STOP** to stop playback.

### Using the Disc Menu

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

#### To select a playback feature or item

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

#### To access or exit from the menu

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

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

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

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

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

## Disc Operations

### Basic playback controls

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

#### Pausing playback (DVD/VCD/CD/MP3)

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

#### Selecting track/chapter (DVD/CD)

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

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

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

#### Zoom (DVD/VCD/JPEG)

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

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

#### Repeat (DVD/VCD)

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

##### REPEAT CHAPTER (DVD)

– to repeat playback of the current chapter.

##### REPEAT TITLE (DVD)

– to repeat playback of the current title.

##### REPEAT SINGLE (VCD)

– to repeat playback of the current track.

##### REPEAT ALL (VCD)

– to repeat playback of all the disc.

##### OFF (DVD/VCD)

– to cancel the repeat mode.

##### *Helpful Hint:*

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

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

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

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

## Disc Operations

### Slow Motion (DVD/VCD)

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

### Forward / Reverse Searching (DVD/VCD/CD)

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

### Preview (DVD/VCD)

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

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

#### For DVD

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

#### For VCD

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

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

English

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

## Disc Operations

### Special DVD Features

#### Playing a Title

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

#### Camera Angle

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

#### Changing the Audio Language

##### For DVD

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

##### Changing the Audio Channel

##### For VCD

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

#### Subtitles

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

### Playing a DivX disc

This DVD player supports the DivX movie playback that you download from your computer onto a CD-R/RW (see page 33 for more information).

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

#### Helpful Hint:

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

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



## Disc Operations

### Playing MP3/JPEG Picture CD

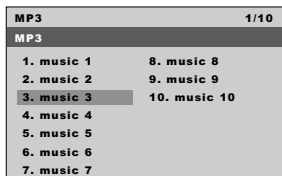
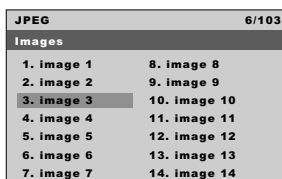
This player can playback MP3, JPEG, or Picture CD files on a personally recorded CD-R/RW disc or commercial CD.

#### IMPORTANT!

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

#### General Operation

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



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

#### Playback selection

During playback, you can;

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

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

#### Repeat

- Press **REPEAT** continuously to access different 'Play Mode'.  
**REPEAT SINGLE**  
– to repeat playback of the current file.  
**REPEAT ALL**  
– to repeat playback of all files in the disc.  
**OFF**  
– to cancel the repeat mode.

#### Zoom picture (JPEG/ DivX)

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

#### Preview (JPEG)

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

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

(example for 9 thumbnail pictures display)



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

## DVD Setup Menu Options

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

### Language

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

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

### OSD Language

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

### Audio, Subtitle, DVD Menu

These menus contain various language options for audio, subtitle and DVD menu which may be recorded on the DVD disc. For details, see page 19.

### Setting the DivX Subtitle font

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

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

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

#### **Standard**

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

#### **Central European**

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

#### **Cyrillic**

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

#### **中文**

Simplified Chinese

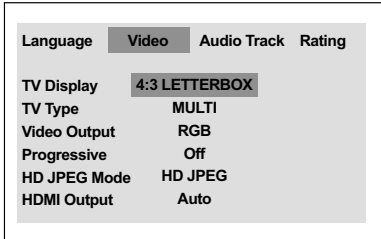
- 4 Press **▲ ▼** to select a setting, then press **OK** to confirm your selection.

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

# DVD Setup Menu Options

## Video Setup

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

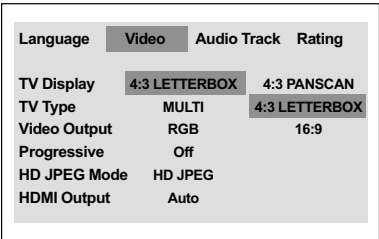


## TV Type

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

## Setting the TV Display

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



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

### 4:3 PANSCAN –

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

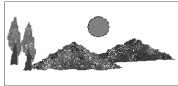


### 4:3 LETTERBOX –

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



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



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

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

## DVD Setup Menu Options

### Switching the YPbPr/RGB

This setting allows you to toggle the output of the video signal between RGB (on scart) and Y Pb Pr.

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

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

#### **YPbPr**

Select this for Y Pb Pr connection.

#### **RGB**

Select this for Scart connection.

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

#### **Warning:**

**When the player is set to Y Pb Pr (YUV), some TV may not synchronise with player on the SCART connector.**

### Progressive - turning on/off

In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD player's Y Pb Pr jacks to your TV that supports the progressive video input. Otherwise, the a distorted picture will appear on the TV. For proper progressive scan set up, see page 17.

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

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

#### **Off**

To disable Progressive Scan function.

#### **On**

To enable Progressive Scan function.

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

#### **To reset Progressive Scan to OFF:**

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

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

## DVD Setup Menu Options

### HD JPEG Mode

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

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

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

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

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

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

### HDMI Output

For HDMI connection, you are able to select the video output resolution selection. The available options will be displayed once you have connected the HDMI connection (see page 12).

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

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

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

**480p**  
Progressive output in 480 lines for NTSC TV.

**576p**  
Progressive output in 576 lines for PAL TV.

**720p**  
Progressive output upscale to 720 lines.

**1080i**  
Interlaced output upscale to 1080 lines.

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

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

*Helpful hints:*

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

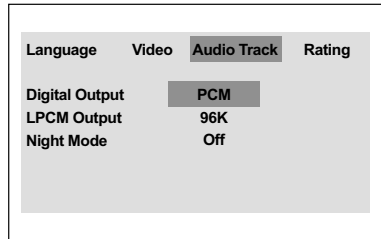
**TIPS:** To return to the previous menu, press **OK**.  
To remove the menu, press **SYSTEM MENU**.

English

## DVD Setup Menu Options

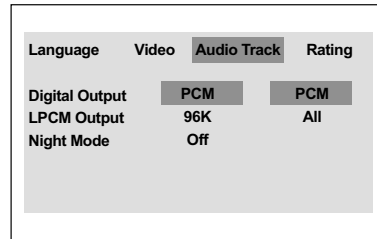
### Audio Setup

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



### Digital Output

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



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

#### **All**

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

#### **PCM**

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

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

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

# DVD Setup Menu Options

## LPCM Output

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

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

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

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

## Night Mode - turning on/off

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

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

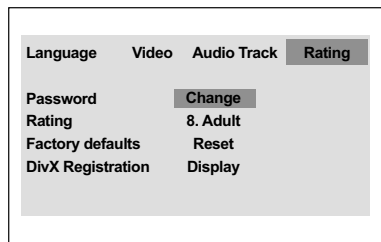
- 1 In 'Audio Track', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {Night Mode}, then press **OK**.
- 3 Press **▲▼** to highlight one of the options below:
  - On**  
Select this to level out the volume. This feature is only available for movies with Dolby Digital mode.
  - Off**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

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

## DVD Setup Menu Options

### Rating

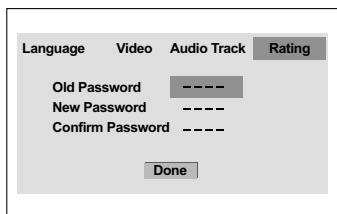
- 1 Press **SYSTEM MENU**.
- 2 Press **▶** repeatedly to select {Rating}.
- 3 Press **OK** to confirm.



### Changing the Password

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

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



- 6 Press **OK** to confirm.

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

### Setting the Rating

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

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

#### Helpful Hints:

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



# DVD Setup Menu Options

English

## Rating explanations

### 1 KID SAFE

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

### 2 G

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

### 3 PG

- Parental Guidance suggested.

### 4 PG13

- Material is unsuitable for children under age 13.

### 5-6 PG-R

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

### 7 NC-17

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

### 8 ADULT

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

## Restoring to original settings

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

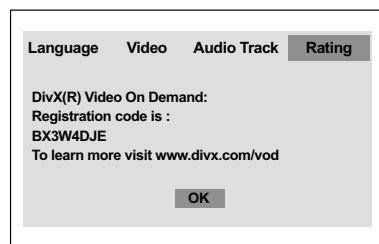
- 1 In 'Rating', press **OK** to enter the submenu.
- 2 Press **▲▼** to highlight {Factory Defaults}, then select {Reset}.
- 3 Press **OK** to confirm.  
→ All settings will now reset to factory defaults.

## DivX registration

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

For more information, visit [www.divx.com/vod](http://www.divx.com/vod).

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



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

### Helpful Hint:

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

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

## Troubleshooting

### WARNING

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

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

Problem	Solution
<b>No power</b>	<ul style="list-style-type: none"> <li>– Check if the AC power cord is properly connected.</li> <li>– Press the STANDBY ON on the front of the DVD system to turn on the power.</li> </ul>
<b>No picture</b>	<ul style="list-style-type: none"> <li>– Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen.</li> <li>– Check if the TV is switched on.</li> <li>– If the progressive scan feature is activated but the connected TV does not support progressive signals or the cables are not connected accordingly, see page 17 for proper progressive scan set up or deactivate the progressive scan feature as below:               <ol style="list-style-type: none"> <li>1) Press OPEN CLOSE on the DVD system to open the disc tray.</li> <li>2) Press ► followed by AUDIO the remote control.</li> </ol> </li> </ul>
<b>Distorted picture</b>	<ul style="list-style-type: none"> <li>– Sometimes a small amount of picture distortion may appear depending on the disc being played back. This is not a malfunction.</li> </ul>
<b>Completely distorted picture or black/white picture with DVD</b>	<ul style="list-style-type: none"> <li>– Connect DVD Player directly to the TV.</li> <li>– Make sure the disc is compatible with the DVD/ Player.</li> <li>– Ensure that the DVD Player's TV Type is set to match that of the Disc and your TV.</li> </ul>
<b>No sound or distorted sound</b>	<ul style="list-style-type: none"> <li>– Adjust the volume.</li> <li>– Check that the speakers are connected correctly.</li> </ul>
<b>No audio at digital output</b>	<ul style="list-style-type: none"> <li>– Check the digital connections.</li> <li>– Check if your receiver can decode MPEG-2 or DTS and if not, please make sure the digital output is set to PCM.</li> <li>– Check if the audio format of the selected audio language matches your receiver capabilities.</li> </ul>
<b>No sound and picture</b>	<ul style="list-style-type: none"> <li>– Check that the RGB/SCART cable is connected to the correct device (See Connecting TV).</li> </ul>
<b>Disc can't be played</b>	<ul style="list-style-type: none"> <li>– The DVD+R/CD-R must be finalised.</li> <li>– Ensure the disc label is facing up.</li> <li>– Check if the disc is defective by trying another disc.</li> <li>– Region code incorrect.</li> </ul>

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## Troubleshooting (continued)

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

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English

## Specifications

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

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

### VIDEO PERFORMANCE

DA Converter	10 bit, 54MHz	
YPbPr	0.7Vpp — 75 ohm	
Video Output	1Vpp — 75 ohm	
RGB (SCART) output	0.7Vpp — 75 ohm	

### VIDEO FORMAT

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

<b>DVD</b>	<b>50Hz</b>	<b>60Hz</b>
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines

<b>VCD</b>	<b>50Hz</b>	<b>60Hz</b>
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

### AUDIO FORMAT

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

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

### AUDIO PERFORMANCE

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

### CONNECTIONS

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

### CABINET

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

### POWER CONSUMPTION

Power Supply Rating	220 – 230 V; 50 Hz
Power consumption	14 W
Power consumption in Standby mode	< 3 W

*Specifications subject to change without prior notice*

## Glossary

English

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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