www.philips.com/welcome

DVP3100

PHILIPS

Contents

1 Important

Safety and important notice

⚠️ **Warning**

- Risk of overheating! Never install the product in a confined space. Always leave a space of at least 4 inches around the product for ventilation. Ensure curtains or other objects never cover the ventilation slots on the product.
- Never place the product, remote control or batteries near naked flames or other heat sources, including direct sunlight.
- Only use this product indoors. Keep this product away from water, moisture and liquid-filled objects.
- Never place this product on other electrical equipment.
- Keep away from this product during lightning storms.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Visible and invisible laser radiation when open. Avoid exposure to beam.

About Progressive Scan

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.

Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste.

Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.

Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

Copyright notice

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

Be responsible Respect copyrights

Trademark notice

DOLBY DIGITAL Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

DVD VIDEO 'DVD Video' is a trademark of DVD Format/Logo Licensing Corporation.

CLASS 1 LASER PRODUCT

2 Your DVD player

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Feature highlights

Screen Fit
View the movie in full screen display on any TV.

Progressive scan video
Push the limits of standard resolution and provide a more film-like DVD video display on a TV screen.
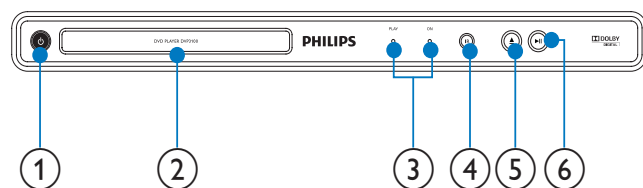
Region codes

You can play discs with the following region codes.

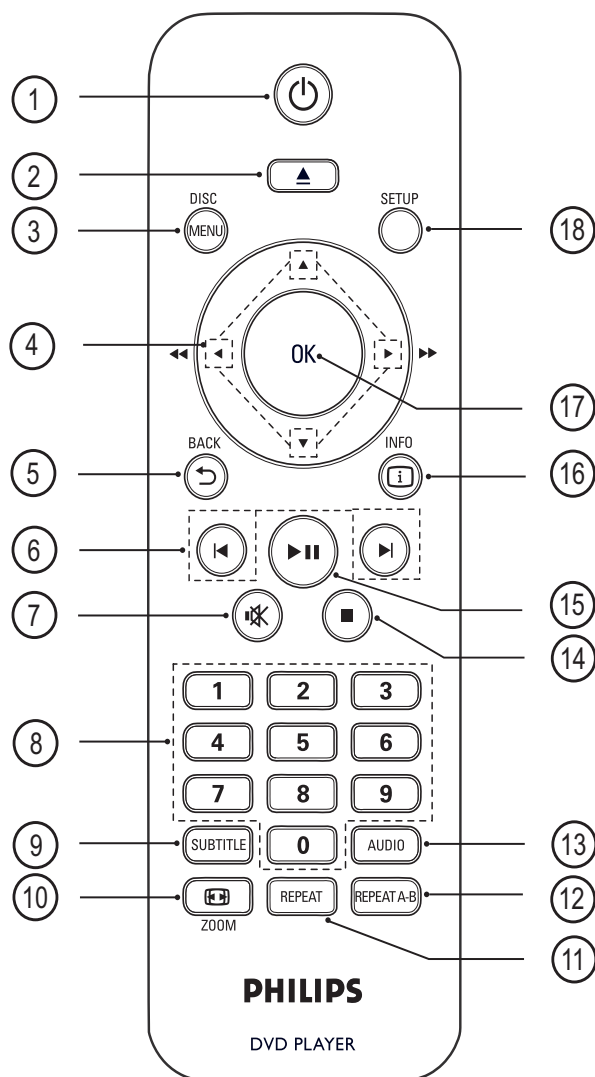| DVD region code	Countries
ALL 3	Asia Pacific, Taiwan, Korea

Product overview

Main unit

a ⏻
  • Turn on the unit or switch to standby.

b **Disc compartment**

c **Indicators**

d **IR sensor**
  • Remote sensor.

e ▲
  • Open or close the disc compartment.

f ▶II
  • Start, pause or resume disc play.

Remote control

a ⏻ **(Standby-On)**
  • Turn on the DVD player or switches to standby mode.

b ▲ **(Open/Close)**
  • Open or close the disc compartment.

c **DISC MENU**
  • Access or exit the disc menu.
  • For VCD and SVCD, turn PBC (playback control) on or off in PBC mode.

d ▲▼◀▶ **(Navigation buttons)**
  • Navigate through the menus.
  • Search fast-forward (right) or fast-backward (left). Press repeatedly to change the search speed.
  • Search slow-forward (up) or slow-backward (down). Press repeatedly to change the search speed.

e BACK
- Return to the previous menu.
- For DVD, navigate to title menu.
- For VCD version 2.0 or SVCD with PBC turned on, return to the menu.

f ⏮/⏭ (Previous/Next)
- Skip to the previous or next title, chapter, or track.
- Press and hold for fast-backward or fast-forward search.

g ⚡ (Mute)
- Mute ot restore audio output.

h Numeric buttons
- Select an item to play.

i SUBTITLE
- Select a subtitle language for video.

j ⊕ ZOOM
- Fit the picture format to the TV screen (using zoom factor 1.3X and 1.6X).
- Zoom in or out of the picture.

k REPEAT
- Toggle between various repeat modes.

l REPEAT A-B
- Mark the section for repeat play, or turn off repeat mode.

m AUDIO
- Select an audio language or channel.

n ■ (Stop)
- Stop disc play.

o ▶❚❚ (Play/Pause)
- Start, pause or resume disc play.

p ⓘ INFO
- For discs, display information about the current status or the disc.
- For slide shows, display a thumbnail view of photo files.

q OK
- Confirm an entry or selection.

r SETUP
- Access or exit the setup menu.

3 Connect

Make the following connections to use this product.

Basic connections:
- Video
- Audio

Optional connections:
- Route audio to other devices:
  - Digital amplifier/receiver
  - Analog stereo system

Note

- Refer to the type plate at the back or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all the devices are disconnected from the power outlet.

Tip

- Different types of connectors may be used to connect this product to your TV, depending on availability and your needs. A comprehensive interactive guide to help you connect your product is available at www.connectivityguide.philips.com.
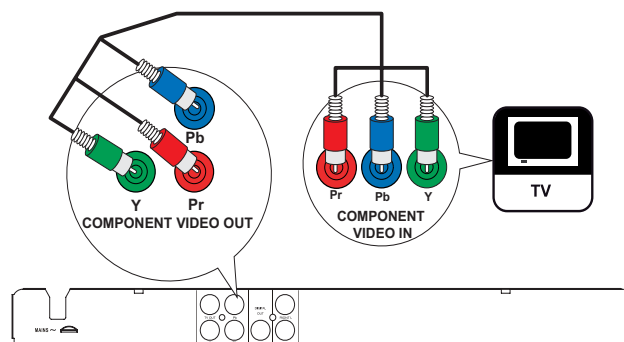
Connect video cables

Connect this product to TV to view disc play. Select the best video connection that TV can support.
- **Option 1:** Connect to component video jacks (for a standard TV or Progressive Scan TV).
- **Option 2:** Connect to video (CVBS) jack (for a standard TV).

Note

- You must connect this product directly to a TV.
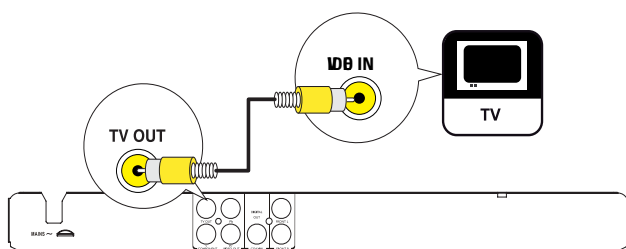
Option 1: Connect to component video jacks

1 Connect the component video cables (not supplied) to:
   • the **Y Pb Pr** jacks on this product.
   • the COMPONENT VIDEO input jacks on the TV.

* Tip

• The component video input jacks on the TV may be labeled as Y Pb/Cb Pr/Cr or YUV.
• This type of connection provides good picture quality.
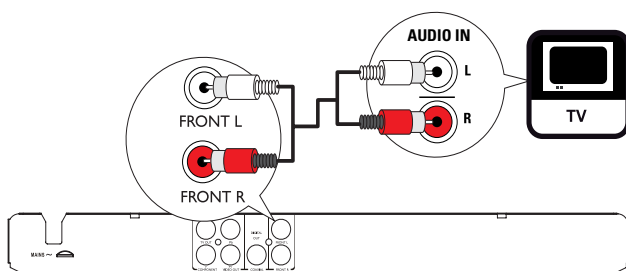
Option 2: Connect to video (CVBS) jack

1 Connect a composite video cable to:
   • the **TV OUT** jack on this product.
   • the video input jack on the TV.

* Tip

• The video input jack on the TV may be labeled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.
• This type of connection provides standard picture quality.

Connect audio cables

Connect the audio from this product to the TV to allow sound output through the TV.

1 Connect the audio cables to:
   • the **FRONT L/R** jacks on this product.
   • the audio input jacks on the TV.

Route audio to other devices

Route the audio from this product to other devices to enhance audio play.

Connect to digital amplifier/receiver
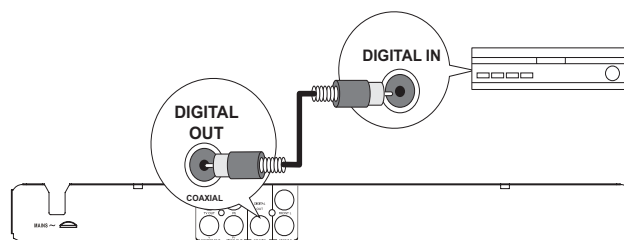
1 Connect a coaxial cable (not supplied) to:
   • the **COAXIAL** jack on this product.
   • the COAXIAL/DIGITAL input jack on the device.

Connect analogue stereo system
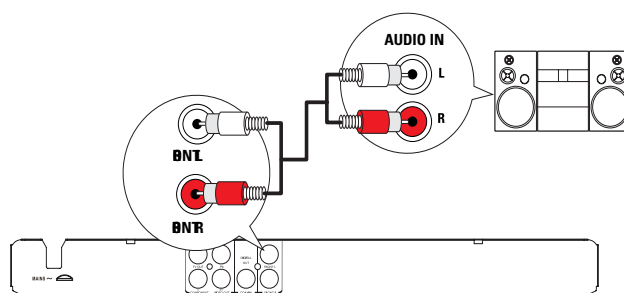
1 Connect the audio cables to:
   • the **FRONT L/R** jacks on this product.
   • the audio input jacks on the device.

Connect power

! Caution

• Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back of the unit.
• Before connecting the AC power cord, ensure you have completed all other connections.

≡ Note

• The type plate is located on the back of the product.

1 Connect the AC power cable to the wall socket.
   ↳ The player is ready to be set up for use.

4 Get started

Prepare the remote control

1 Open the battery compartment.
2 Insert two R03 or AAA batteries with correct polarity (+/-) as indicated.
3 Close the battery compartment.

> ! **Caution**
>
> • Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
> • Do not mix batteries (old and new or carbon and alkaline, etc.).
> • Batteries contain chemical substances, so they should be disposed of properly.

Find the correct viewing channel

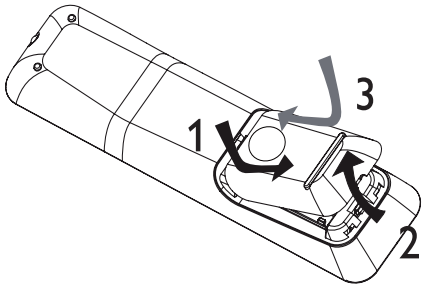1 Press ⏻ to turn on this product.
2 Turn on the TV and switch to the correct video-in channel. (Refer to the TV user manual on how to select the correct channel.)

Select menu display language

• The language options may vary from different regions.
1 Press **SETUP**.
  » **[General Setup]** menu is displayed.
2 Select **[OSD language]**, then press ▶.
3 Press ▲▼ to select a language, then press **OK**.

Turn on progressive scan

> ⊟ Note
>
> • To use the progressive scan feature, you must connect a progressive scan TV with the component video jacks (see "Connect" > "Connect video cables" > "Option 1: Connect to the component video jacks" for details).

1 Turn on the TV to the correct viewing channel for this product.
2 Press **SETUP**.
3 Press ▼ to select **[Video Setup]**.
4 Select **[Progressive]** > **[On]**, then press **OK**.
  » A warning message is displayed.
5 To proceed, select **[Ok]** and press **OK**.
  » The progressive setup is complete.

> ⊟ Note
>
> • If a blank/distorted screen is displayed, wait for 15 seconds for the auto recovery.
> • If no picture is displayed, turn off the progressive scan mode as follows:
>   1) Press ⏏ to open the disc compartment.
>   2) Press the **Numeric button '1'**.

6 Press **SETUP** to exit the menu.
7 You can now turn on the progressive scan mode on the TV (see the TV user manual).

> ⊟ Note
>
> • During play, when the progressive scan mode is on for both this product and the TV, distorted picture may display. In this case, turn off the progressive scan feature on both this product and the TV.

5 Play

Play a disc

⚠ **Caution**

- Do not place any objects other than discs into the disc compartment.
- Do not touch the disc optical lens inside the disc compartment.

1 Press ⏏ to open the disc compartment.
2 Insert a disc with its label facing up.
3 Press ⏏ to close the disc compartment and start disc play.
  - To view disc play, turn on the TV to the correct viewing channel for this product.
  - To stop disc play, press ■.

Note

- Check the types of discs supported (see "Specifications" > "Play media").
- If the password entry menu is displayed, enter the password before you can play the locked or restricted disc (see "Adjust settings" > "Preferences" > **[Parental Control]**).
- If you pause or stop a disc, the screen saver appears after 5 minutes of inactivity. To deactivate the screen saver, press **DISC MENU**.
- After you pause or stop a disc and no button is pressed within 15 minutes, this product automatically switches to standby.

Play video

Note

- Some operations may not work with some discs. See the information accompanying the disc for details.

Control video play

1 Play a title.
2 Use the remote control to control the play.

Button	Action
▶❚❚	Start, pause or resume disc play.
■	Stop disc play.
◀❚, ❚▶	Skip to a previous/next title or chapter.
◀◀, ▶▶	Search fast-backward or fast-forward. Press repeatedly to change the search speed.

Button	Action
▲, ▼	Search slow-forward or slow-backward. Press repeatedly to change the search speed. For VCD/SVCD, slow-backward search is not available.
AUDIO	Select an audio language or channel available on a disc.
SUBTITLE	Select a subtitle language availabel on a disc.
REPEAT	Select or turn off repeat mode. Repeat options may vary from disc type.
⊞ ZOOM	Fit the picture format to the TV screen. Press repeatedly until the image is scaled to fit to the TV screen.
⊞ ZOOM	Toggle between screen aspect ratio and different zoom factor. To pan through the zoomed image, press the **Navigation buttons**.
ⓘ INFO	Access the play options and display the current disc status.

Access DVD menu

1 Press **DISC MENU** to access the disc root menu.
2 Select a play option, then press **OK**.
  - In some menus, press the **Numeric buttons** to input your selection.

Access VCD menu

The PBC (playback control) feature is available for VCD/SVCD, which can display the contents menu for you to select a play option. The PBC is on by default in the factory.

Note

- See "Adjust settings" > **[Preferences]** > **[PBC]** on how to turn PBC on or off.

1 Display the contents menu via one of the following ways:
  - If PBC is on, load in a VCD/SVCD.
  - During play with PBC on, press ↩ **BACK**.
2 Press the **Numeric buttons** to select a play option, then press **OK** to start play.
  - If PBC is turned off, it skips the menu display and starts play from the first track.

Preview disc contents

1 During play, press ⓘ **INFO**.
   ⤷ The disc status menu is displayed.

2 Select **[Preview]**, then press ▶.

3 Select a preview option, then press **OK**.
   ⤷ A thumbnails preview screen is displayed.
   - To go to the next/previous prview screen, select **[Prev]** or **[Next]**, then press **OK**.
   - To start play, press **OK** at the selected thumbnail picture.

Skip play to a specific time

1 During play, press ⓘ **INFO**.
   ⤷ The disc status menu is displayed.

2 Select an option for the current elapsed playing time, then press ▶.
   - **[TT Time]** (title time)
   - **[Ch Time]** (chapter time)
   - **[Disc Time]** (disc time)
   - **[Track Time]** (track time)

3 Press the **Numeric buttons** to enter the time to skip to, then press **OK**.

Display play time

1 During play, press ⓘ **INFO**.
   ⤷ The disc status menu is displayed.

2 Select **[Time Disp.]**, then press ▶.
   ⤷ The display options vary from disc type.

3 Select an option, then press **OK**.

View DVD play from different angles

1 During play, press ⓘ **INFO**.
   ⤷ The disc status menu is displayed.

2 Select **[Angle]**, then press▶.

3 Press the **Numeric buttons** to change the angle.
   ⤷ Play changes to the selected angle.

Note

- Applicable only to discs contain multi-angle scenes.

Repeat play a specific section

1 During play, press **REPEAT A-B** at the start point.

2 Press **REPEAT A-B** again to set the end point.
   ⤷ Repeat play starts.

3 To cancel repeat play, press **REPEAT A-B** again.

Note

- The marked section for repeat play is only possible within a track/title.

Play music

Control a track

1 Play a track.

2 Use the remote control to control the play.

Button	Action
▶❚❚	Start, pause or resume disc play.
■	Stop disc play.
❙◀,▶❙	Skip to a previous/next track.
1 2 3 4 5 6 7 8 9 0	Select an item to play.
◀◀, ▶▶	Searches fast-backward or fast-forward. Press repeatedly to change the search speed.
REPEAT	Select or turn off repeat mode. Repeat options may vary from disc type.

Quick skip play

1 During play, press ⓘ **INFO** repeatedly to select an option.

Display	Action
[Disc Go To]	Skip play to a specific time within the disc.
[Track Go To]	Skip play to a specific time within a track.
[Select Track]	Skip play to a specific track number.

2 Press the **numeric buttons** to change the time/number to skip to.

Play MP3/WMA music

MP3/WMA is a type of highly compressed audio file (files with .mp3, .wma extensions).

1 Insert a disc that contains the MP3/WMA music.
   ⤷ A contents menu is displayed.

2 If play does not automatically start, select a track to play.
- To select another track/folder, press ▲▼, then press **OK**.

![Note icon] Note

- For disc recorded in multiple sessions, only the first session is played.
- For a WMA file that is protected by Digital Rights Management (DRM), it cannot be played on this product.
- This product does not support MP3PRO audio format.
- For any special character that is present in the MP3 track name (ID3) or album name, it might not be displayed correctly on the screen because these characters are not supported.
- Folders/files that exceed the supported limit of this product cannot be displayed or played.

Play photo

Play photo as slideshow

You can play JPEG photos (files with .jpeg or .jpg extensions).

1 Insert a disc that contains the JPEG photos.
- » Slideshow begins (for Kodak disc), or a contents menu (for JPEG disc) is displayed.

2 Select a photo folder, then press **OK** to start slideshow.
- To preview the photos in thumbnail, press ⓘ **INFO**.
- To select a photo, press the **Navigation buttons**.
- To enlarge the selected photo and start slideshow, press **OK**.
- To return to the menu, press ↩ **BACK**.

![Note icon] Note

- It may require longer time to display the disc content on the TV due to the large number of songs/photos compiled onto one disc.
- If the JPEG photo is not recorded with an 'exif' type file, the actual thumbnail picture cannot be shown on the screen. It is replaced by a 'blue mountain' thumbnail picture.
- This player can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG, or pictures in formats other than JPEG, or sound clips associated with pictures.
- Folders/files that exceed the supported limit of this player cannot be displayed or played.

Control photo play

1 Play a photo slideshow.
2 Use the remote control to control the play.

Button	Action
◄/►	Rotate a photo anti-clockwise/clockwise.
▲/▼	Rotate a photo horizontally/vertically.
ZOOM	Zoom in or out of a photo. Play pauses in zoom mode.
■	Stop a play.

Play musical slideshow

Create a musical slideshow to play MP3/WMA music files and JPEG photo files simultaneously.

![Note icon] Note

- To create a musical slideshow, the MP3/WMA and JPEG files must be stored on the same disc.
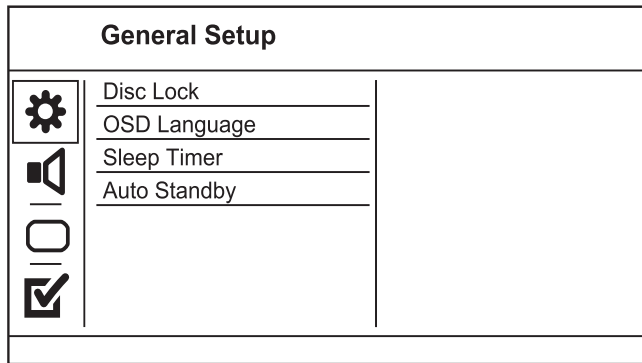
1 Play MP3/WMA music.
2 Press ↩ **BACK** to return to the main menu.
3 Navigate to the photo folder/album and press **OK** to start slideshow play.
- » Slideshow begins and continues till the end of the photo folder or album.
- » Audio continues to play until the end of the disc.
- To stop slideshow play, press ■.
- To stop music play, press ■ again.

6 Adjust settings

General setup

```
        General Setup

  ⚙    Disc Lock
       OSD Language
  ◀))   Sleep Timer
       Auto Standby
  ▢

  ☑
```

1 Press **SETUP**.
   » [**General Setup**] menu is displayed.
2 Press ▶.
3 Select an option, then press **OK**.
4 Select a setting, then press **OK**.
   - To return to the previous menu, press ◀.
   - To exit the menu, press **SETUP**.

[Disc Lock]
Set play restriction for a disc which is loaded in the disc compartment (maximum 20 discs can be locked).
- [**Lock**] - Restrict access to the current disc. The next time you want to play this disc or unlock it, you need to enter the password.
- [**Unlock**] - Play all discs.

Tip

- You can set or change the password, go to [**Preferences**] > [**Password**].

[OSD language]
Select an on-screen menu language.

[Sleep Timer]
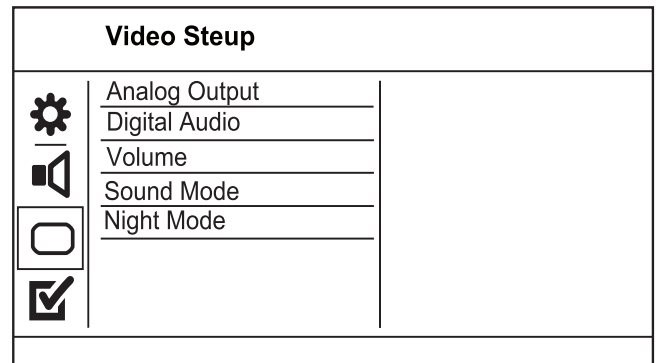Switch automatically to standby at the preset time.
- [**Off**] - Disable sleep mode.
- [**15 mins**], [**30 mins**], [**45 mins**], [**60 mins**] -Select the count down time for this product to switch to standby.

[Auto standby]
Turn on or off automatically standby.
- [**On**] - Switch to standby 15 minutes of inactivity (for example, in pause or stop mode).
- [**Off**] - Disable the auto standby mode.

Audio setup

```
        Video Steup

  ⚙    Analog Output
       Digital Audio
  ◀))   Volume
       Sound Mode
  ▢     Night Mode

  ☑
```

1 Press **SETUP**.
   » [**General Setup**] menu is displayed.
2 Press ▼ to select [**Audio Setup**], then press ▶.
3 Select an option, then press **OK**.
4 Select a setting, then press **OK**.
   - To return to the previous menu, press ◀.
   - To exit the menu, press **SETUP**.

[Analogue Output]
Select an analogue setting based on the audio device that is connected through the analogue audio jack.
- [**Stereo**] - For stereo output.
- [**LT/RT**] - For surround sound output through two speakers.

[Digital Audio]
Select a digital setting based on the digital amplifier/ receiver that is connected through the digital jack (coaxial/digital).
- [**Digital Output**] - Select a type of digital output.
  - [**Off**] - Disable digital output.
  - [**All**] - Support multi-channel audio formats.
  - [**PCM Only**] - Downmix to two-channel audio format.
- [**LPCM Output**] - Select the LPCM (Linear Pulse Code Modulation) output sampling rate.
  - [**48kHz**] - For discs recorded at sampling rate of 48 kHz.
  - [**96kHz**] - For discs recorded at sampling rate of 96 kHz.

Note

- **[LPCM Output]** setting is only available if the **[Digital Output]** is set to **[PCM Only]**.
- The higher the sampling rate, the better the sound quality.

[Volume]

Set the default volume level when you play a disc.

1. Press **OK**.
2. Press ◄► to set the volume.
3. Press **OK** to confirm and exit.

[Sound Mode]

Select a preset sound effect to enhance the audio output.

- **[3D]** - Select a virtual surround sound effect that is produced from the left and right audio channels.
- **[Movie Mode]** - Select a sound effect for movies.
- **[Music Mode]** - Select a sound effect for music.

[Night Mode]

Make loud sound level softer and soft sound level louder so that you can watch the DVD movies at a low volume, without disturbing others.

- **[On]** - Enjoy quiet viewing at night.
- **[Off]** - Enjoy surround sound with a full dynamic range.

Note

- Applicable only to Dolby Digital encoded DVD.

Video setup

	Video Steup	
⚙	TV System	
	TV Display	
🔊	Progressive	
	Picture Setting	
⬭		
☑		

1 Press **SETUP**.
   ↪ **[General Setup]** menu is displayed.

2 Press ▼ to select **[Video Setup]**, then press ►.

3 Select an option, then press **OK**.

4 Select a setting, then press **OK**.
   - To return to the previous menu, press ◄.
   - To exit the menu, press **SETUP**.

[TV System]

Change this setting if the video does not appear correctly. By default, this setting matches the most common setting for TVs in your country.

- **[PAL]** - For PAL-system TV.
- **[Multi]** - For TV that is compatible with both PAL and NTSC.
- **[NTSC]** - For NTSC-system TV.

[TV Display]

Select a display format:

4:3 Pan Scan (PS)   4:3 Letter Box (LB)   16:9 (Wide Screen)

- **[4:3 Pan Scan]** - For 4:3 screen TV: full-height display with the trimmed sides.
- **[4:3 Letter Box]** - For 4:3 screen TV: wide-screen display with black bars on the top and bottom of the screen.
- **[16:9]** - For wide-screen TV: display ratio 16:9.

[Progressive]

If a progressive scan TV is connected to this product, turn on the progressive scan mode.

- **[On]** - Turn on progressive scan.
- **[Off]** - Turn off progressive scan mode.

Note

- For more detailed description, see "Get started" > "Turn on progressive scan".

[Picture Setting]

Select a predefined set of picture color settings or customize the personal setting.

- **[Standard]** - Original color setting.
- **[Bright]** - Vibrant color setting.
- **[Soft]** - Warm color setting.
- **[Personal]** - Customize the color setting. Set the level of brightness, contrast, tint and color saturation, then press **OK**.

Preferences

Preferences	
⚙	Audio
	Subtitle
🔊	Disc Menu
	Parental Control
⭕	PBC
	Mp3 / Jpeg Nav
☑	Password

1 Press **SETUP**.
→ **[General Setup]** menu is displayed.

2 Press ▼ to select **[Preferences]**, then press ►.

3 Select an option, then press **OK**.

4 Select a setting, then press **OK**.
• To return to the previous menu, press ◄.
• To exit the menu, press **SETUP**.

[Audio]
Select an audio language for disc play.

[Subtitle]
Select a subtitle language for disc play.

[Disc Menu]
Select a disc menu language.

[Parental control]
Restrict access to discs that are unsuitable for children. These types of discs must be recorded with ratings.

1. Press **OK**.
2. Select a rating level, then press **OK**.
3. Press the **numeric buttons** to enter the password.

[PBC]
Turn on or off the content menu of VCDs/SVCDs with PBC (playback control) feature.
• **[On]** - Display the index menu when you load a disc for play.
• **[Off]** - Skip the menu and start play from the first title.

[MP3/JPEG Nav]
Select to display the folders or display all the files.
• **[View Files]** - Display all the files.
• **[View Folders]** - Display the folders of MP3/WMA files.

[Password]
Set or change the password for locked discs and play restricted DVDs.

1. Press the **Numeric buttons** to enter '136900' or the last set password at **[Old Password]** field.
2. Enter the new password at **[New Password]** field.
3. Enter the new password again at **[Confirm PWD]** field.
4. Press **OK** to exit the menu.

[Version Info]
Display the software version of this product.

[Default]
Reset all the settings of this product to factory default, except for **[Disc Lock]**, **[Parental control]** and **[Password]** settings.

7 Additional information

Care

> **⚠ Caution**
>
> • Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

Clean discs

Wipe the disc with a micro fibre cleaning cloth from the centre to the edge in a straight line movement.

Specifications

> **☰ Note**
>
> • Specification and design are subject to change without notice

Accessories supplied

- Remote control and batteries
- Audio/Video cables
- User Manual

Play media

- DVD-Video, Video CD/SVCD, Audio CD, CD-R/CD-RW, DVD+R/+RW, DVD-R/-RW, Picture CD, MP3-CD, WMA-CD

TV standard

- Number of lines:
  - 625 (PAL/50Hz); 525 (NTSC/60Hz)
  - Play: Multi-standard (PAL/NTSC)

Video performance

- Video DAC: 12 bits, 108 MHz
- Y Pb Pr: 0.7 Vpp ~ 75 ohm
- Video output: 1 Vpp ~ 75 ohm

Video format

- Digital compression:
  - DVD/SVCD/VCD
- Horizontal resolution:
  - DVD: 720 pixels (50 Hz); 720 pixels (60 Hz)
  - VCD: 352 pixels (50 Hz); 352 pixels (60 Hz)
- Vertical resolution:
  - DVD: 576 pixels (50 Hz); 480 pixels (60 Hz)
  - VCD: 288 lines (50 Hz); 240 lines (60 Hz)

Audio performance

- DA converter: 24 bits, 192 kHz

- Frequency response:
  - DVD: 4 Hz - 22 kHz (48 kHz); 4 Hz - 44 kHz (96 kHz)
  - SVCD: 4 Hz - 20 kHz (44.1 kHz); 4 Hz - 22 kHz (48 kHz)
  - CD/VCD: 4 Hz - 20 kHz (44.1 kHz)
- Signal-Noise (1 kHz): > 90 dB (A-weighted)
- Dynamic range (1 kHz): > 80 dB (A-weighted)
- Crosstalk (1 kHz): > 90 dB
- Distortion/noise (1 kHz): > 65 dB
- MP3: MPEG L3

Audio format

- Digital:
  - MPEG/AC-3: Compressed digital (16, 20, 24 bits, fs 44.1, 48, 96 kHz)
  - MP3: 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

Connections

- Y Pb Pr 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

Main unit

- Dimensions (w x h x d): 360 x 38 x 203 (mm)
- Net Weight: approximately 1.3 kg

Power

- Power supply rating: 110 - 240V, 50/60HZ
- Power consumption: <10 W
- Power consumption in standby mode: <1 W

Laser specification

- Type: Semiconductor laser InGaAIP (DVD), AlGaAs (CD)
- Wave length: 658 nm (DVD), 790 nm (CD)
- Output Power: 7.0 mW (DVD), 10.0 mW (VCD/CD)
- Beam divergence: 60 degrees

8 Troubleshooting

> **⚠ Warning**
>
> • Risk of electric shock. Never remove the casing of the product.

To keep the warranty valid, never try to repair the product yourself.

If you have problems using this product, check the following points before you request service. If you still have a problem, register your product and get support at www.philips.com/welcome.
If you contact Philips, you will be asked for the model and serial number of your product. The model number and serial number are on the back of your product. Write the numbers here:
Model No. _____
Serial No. _____

Main unit

The buttons on this unit do not work.

- Disconnect this product from the power outlet for a few minutes, then connect again.

No reaction to the remote control.

- Connect this product to the power outlet.
- Point the remote control at the IR sensor located on the front panel of this product.
- Insert the batteries correctly.
- Insert new batteries in the remote control.

Picture

No picture.

- See the TVs user manual on how to select the correct input on the TV. Change the TV channel until you see the Philips screen.
- If you have turned on the progressive scan setting or change the TV system setting, switch back to default mode: 1) Press ▲ to open the disc compartment. 2) Press the **Numeric button '1'** (for progressive scan) or the **Numeric button'3'** (for TV system).

Sound

No audio output from the TV.

- Ensure that the audio cables are connected to the audio input of the TV.
- Assign the audio input of the TV to the corresponding video input. See the TV user manual for details.

No audio output from the loudspeakers of the audio device (stereo system/amplifier/receiver).

- Ensure that the audio cables are connected to the audio input of the audio device.
- Turn on the audio device to its correct audio input source.

Play

The aspect ratio of the screen is not aligned with the TV display setting.

- The aspect ratio is fixed on the disc.

9 Glossary

A

Aspect ratio

Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

J

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. Files are recognized by their file extension '.jpg' or '.jpeg.'

M

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

P

PBC

Playback Control. A system where you navigate through a Video CD/Super VCD with on-screen menus that are recorded onto the disc. You can enjoy interactive playback and search.

Progressive scan

The progressive scan displays twice the number of frames per second than in an ordinary TV system. It offers higher picture resolution and quality.

W

WMA

Windows Media™ Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded with Windows Media player version 9 or Windows Media player for Windows XP. Files are recognized by their file extension '.wma.'

Language Code

Abkhazian	6566	Inupiaq	7375	Pushto	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
Azerhaijani	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
Bokmål, Norwegian	7866	Korean	7579	Slovenian	8376
Bosanski	6683	Kuanyama; Kwanyama	7574	Somali	8379
Brezhoneg	6682	Kurdish	7585	Sotho; Southern	8384
Bulgarian	6671	Lao	7679	South Ndebele	7882
Burmese	7789	Latina	7665	Sundanese	8385
Castellano, Español	6983	Latvian	7686	Suomi	7073
Catalán	6765	Letzeburgesch;	7666	Swahili	8387
Chamorro	6772	Limburgan; Limburger	7673	Swati	8383
Chechen	6769	Lingala	7678	Svenska	8386
Chewa; Chichewa; Nyanja	7889	Lithuanian	7684	Tagalog	8476
中文	9072	Luxembourgish;	7666	Tahitian	8489
Chuang; Zhuang	9065	Macedonian	7775	Tajik	8471
Church Slavic; Slavonic	6785	Malagasy	7771	Tamil	8465
Chuvash	6786	Magyar	7285	Tatar	8484
Corsican	6779	Malayalam	7776	Telugu	8469
Česky	6783	Maltese	7784	Thai	8472
Dansk	6865	Manx	7186	Tibetan	6679
Deutsch	6869	Maori	7773	Tigrinya	8473
Dzongkha	6890	Marathi	7782	Tonga (Tonga Islands)	8479
English	6978	Marshallese	7772	Tsonga	8483
Esperanto	6979	Moldavian	7779	Tswana	8478
Estonian	6984	Mongolian	7778	Türkçe	8482
Euskara	6985	Nauru	7865	Turkmen	8475
Ελληνικά	6976	Navaho; Navajo	7886	Twi	8487
Faroese	7079	Ndebele, North	7868	Uighur	8571
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
Gujarati	7185	Occitan; Provencal	7967	Xhosa	8872
Hausa	7265	Old Bulgarian; Old Slavonic	6785	Yiddish	8973
Herero	7290	Oriya	7982	Yoruba	8979
Hindi	7273	Oromo	7977	Zulu	9085
Hiri Motu	7279	Ossetian; Ossetic	7983		
Hrwatski	6779	Pali	8073		
Ido	7379	Panjabi	8065		
Interlingua (International)	7365	Persian	7065		
Interlingue	7365	Polski	8076		
Inuktitut	7385	Português	8084		

PHILIPS