Register your product and get support at

www.philips.com/welcome   BDP2500

EN   **User manual**

PHILIPS

Contents

English

English

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.

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

Be responsible
Respect copyrights

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.

Open source software

This BD Player contains open source software. Philips hereby offers to deliver or make available, upon request, for a charge no more than the cost of physically performing source distribution, a complete machine readable copy of the corresponding source code on a medium customarily used for software interchange. This offer is valid for a period of 3 years after the date of purchase of this product.

To obtain the source code, write to

Program Manager - Home Video - AVM
620A, Lorong 1,
Innovation Site Singapore
Tao Payoh

Singapore - 319762

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Plays all versions of DivX® video (including DivX® 6) with enhanced playback of DivX® media files and the DivX® Media Format.

Plays DivX® video with menus, subtitles and audio tracks.

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x.v.Colour

'x.v.Colour' is a trademark of Sony Corporation.

CLASS 1
LASER PRODUCT

2   Your product

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

Philips EasyLink

Your product supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.

▬ Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

High-Definition entertainment
Watch high-definition content disc with HDTV (High Definition Television). Connect it through a high speed HDMI cable (1.3 or category 2). You can enjoy excellent picture quality up to 1080p resolution with the frame rate of 24 frames per second with progressive scan output.

BONUSVIEW/PIP (Picture-in-Picture)
This is a new function of BD-Video that plays the primary video and secondary video simultaneously. Blu-ray players with Final Standard Profile or Profile 1.1 specs can play Bonus View features.

Upscale DVD for enhanced picture quality
Watch the discs in the highest picture quality available for the HDTV. Video upscaling increases
the resolution of standard definition disc to high definition up to 1080p over an HDMI connection.
A highly detailed picture and increased sharpness delivers a more true-to-life picture.

Playable media

This product can play:
- BD-Video, BD-R/RE2.0
- DVD, DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL (Dual Layer)
- Video CD/SVCD
- Audio CD, CD-R/CD-RW, MP3-CD, WMA-CD
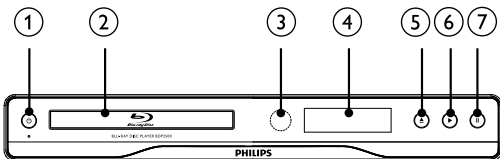- DivX (Ultra)-CD, Picture CD

Region codes

You can play discs with the following region codes.

Region code		Country
DVD	BD	
		Asia Pacific, Taiwan, Korea

Product overview

Main unit

(1) ⏻
  - Turn on this product or switch to standby mode.

(2) **Disc compartment**

(3) **IR sensor**
  - Point the remote control at the IR sensor.

(4) **Display panel**

(5) ▲
  - Open or close the disc compartment.

(6) ▶
  - Start or resume play.

(7) ⏸
  - Pause play.

Front panel display	Description
LOADING	Loading a disc.
UNSUPP	The disc is not supported.
BD	Blu-ray disc is recognized.
HDMI ERR	The HDMI video resolution is not supported by TV.
FASTFWD	Fast forward mode.
FASTBWD	Fast reverse mode.
SLOWFWD	Slow forward mode.
SETTINGS	Setup menu is displayed.
HOME	Home menu is displayed.
CHAPTER	Current chapter is in chapter repeat mode.
DOLBY D	Dolby Digital audio is being played.
DOLBY HD	Dolby HD audio is being played.
UPGRADE	Software upgrade is in progress.

Remote control

(1) ⏻
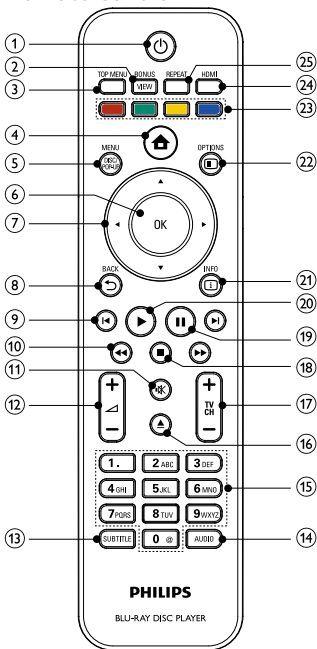
- Turn on this product or switch to standby mode.
- When EasyLink is enabled, press and hold for at least three seconds to turn all connected HDMI CEC compliant devices to standby.

(2) **BONUSVIEW**

- Turn on or off the secondary video in a small screen window during play (applicable only to BD-video that supports the BONUSVIEW or Picture-In-Picture feature).

(3) **TOP MENU**

- **BD**: Display the top menu.
- **DVD**: Display the title menu.

④ ⌂
- Access the home menu.

⑤ **DISC MENU / POP-UP MENU**
- **BD**: Access or exit the pop-up menu.
- **DVD**: Access or exit the disc menu.

⑥ **OK**
- Confirm an entry or selection.

⑦ ▲▼◄►
- Navigate through the menus.

⑧ ⤺ **BACK**
- Return to a previous display menu.

⑨ |◄ / ►|
- Skip to the previous or next title, chapter, or track.

⑩ ◄◄ / ►►
- Search backward or forward.

⑪ ⌀
- Mute volume (applicable only to certain Philips brand TVs).

⑫ ⊿ +/-
- Adjust volume (applicable only to certain Philips brand TVs).

⑬ **SUBTITLE**
- Select a subtitle language on a disc.

⑭ **AUDIO**
- Select an audio language or channel on a disc.

⑮ **Alphanumeric buttons**
- Select an item to play.
- Enter values.

⑯ ▲
- Open or close the disc compartment.

⑰ **TV CH +/-**
- Select a TV channel (applicable only to certain Philips brand TVs).

(18) ■
- • Stop play.

(19) ▐▐
- • Pause play.
- • Move the paused picture one step forward.

(20) ►
- • Start or resume play.

(21) ⓘ INFO
- • Display the current status or the disc information.

(22) **OPTIONS**
- • Access options for the current activity or selection.

(23) **Color buttons**
- • **BD**: Select tasks or options.

(24) **HDMI**
- • Select the video resolution of HDMI output.

(25) **REPEAT**
- • Select repeat play or random play.

3 Connect

Make the following connections to use this product.

Basic connections:
- • Video
- • Audio
- • Power

Optional connections:
- • Route audio to other devices
  - • Digital amplifier/receiver
  - • Analog stereo system
- • USB device (As additional memory for software updates and BonusView contents. NOT for media play)

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 devices are disconnected from the power outlet.
- Different types of connectors can be used to connect this product, 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/audio cables

Connect this product to TV to view disc play.

Select the best video connection that the TV can support.

- **Option 1:** Connect to the HDMI jack (for a HDMI, DVI or HDCP-compliant TV).
- **Option 2:** Connect to the composite video jack (for a standard TV).

Note

- You must connect this product directly to a TV.

Option 1: Connect to the HDMI jack
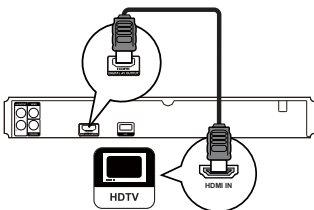
1 Connect an HDMI cable (not supplied) to
  - the **HDMI** jack on this product.
  - the HDMI input jack on the TV.

✱ **Tip**

- If the TV has a DVI connector only, connect via an HDMI/DVI adaptor. Connect an audio cable for sound output.
- You can optimize the video output. Press HDMI repeatedly to select the best resolution the TV can support.
- Philips recommends HDMI category 2 cable, also known as High Speed HDMI cable, for optimal video and audio output.
- To play the digital video images of a BD-video or DVD-video via an HDMI connection, it is necessary that both this product and the display device (or an AV receiver/amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system).
- This type of connection provides best picture quality.

Option 2: Connect to the composite video jack
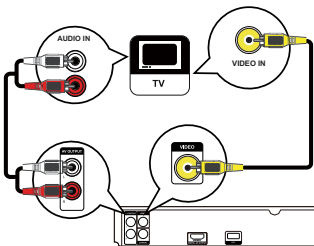
1 Connect a composite video cable to:
- the **VIDEO** jack on this product.
- the VIDEO input jack on the TV.

2 Connect the audio cables to:
- the **AUDIO L/R-AV OUTPUT** jacks on this product.
- the AUDIO input jacks on the TV.

✱ **Tip**

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

Route audio to other devices

To enhance audio play, you can route the audio from this product to other devices.

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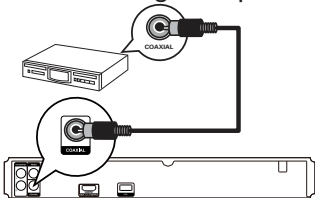
1   Connect a coaxial cable (not supplied) to:
    • the **COAXIAL** jack on this product.
    • the COAXIAL/DIGITAL input jack on the device.

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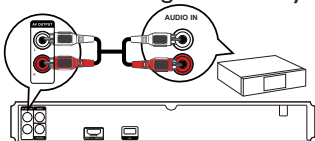
1   Connect the audio cables to:
    • the **AUDIO L/R-AV OUTPUT** jacks on this product.
    • the AUDIO input jacks on the device.

Connect USB device

A USB device provides an additional memory to enjoy software updates and BonusView contents.

Note

- This product cannot play any audio/video/photo file stored on a USB device.
- Connect a USB device only to the **USB** jack on this product.
- Philips does not guarantee 100% compatibility with all USB devices.

1 Connect the USB device to the **USB** jack on the back of this product.

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.
   → This product is ready to be set up for use.

4 Get started

Caution

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

Always follow the instructions in this chapter in sequence.

Prepare the remote control

⚠️ **Caution**

- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.
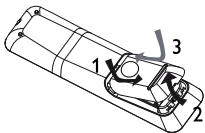
1. Open the battery compartment.
2. Insert 2 AAA batteries with correct polarity (+/-) as indicated.
3. Close the battery compartment.

📝 **Note**

- If you are not going to use the remote control for a long time, remove the batteries.
- Do not use old and new or different types of batteries in combination.
- 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 input channel).

Use the Home menu

1. Press ⌂.
   - To start disc play, select **[Play Disc]**.
   - To access the setup menus, select **[Settings]**.

Navigate the menu

1   When a menu is displayed, press the buttons on the remote control
    to navigate.

Button	Action
▲▼	Move up or down.
◀▶	Move left or right.
OK	Confirm a selection.
1 2abc 3def 4ghi 5jkl 6mno 7pqrs 8tuv 9wxyz 0	Enter numbers.

Select menu display language

Note

- If this product is connected to a HDMI CEC compliant TV, skip this setting. It switches automatically to the same OSD menu language as per your TV setting (if the language set on TV is supported by this product).

1   In the Home menu, select **[Settings]** and press **OK**.
2   Select **[Preference Setup]**, then press ▶.
3   Select **[Menu Language]**, then press ▶.

Video Setup	Menu Language	English
Audio Setup	Parental Control	Français
	Screen Saver	Deutsch
Preference Setup	Change Password	Italiano
	Display Panel	Español
EasyLink Setup	Auto Standby	Nederlands
	VCD PBC	Svenska
Advanced Setup		Português

- The language options may vary from different regions.

4 Press ▲▼ to select a language, then press **OK**.

Use Philips EasyLink

This product supports Philips EasyLink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control EasyLink-compliant devices that are connected through HDMI connectors.

Note

- To enable the EasyLink feature, you must turn on the HDMI CEC operations on the TV and on other devices connected to TV. Refer to the TVs/devices manual for details.

One-touch play

1 Press the **STANDBY**⏻ button to turn on this product.
  ↳ The TV (if supports one-touch play) automatically turns on and switches to the correct video-in channel.
  ↳ If a disc is loaded in this product, disc play automatically starts.

One-touch standby

1 Press and hold the **STANDBY**⏻ button on the remote control for more than 3 seconds.
  ↳ All the connected devices (if the device supports one-touch standby) automatically switch to standby.

Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

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 disc/file formats supported (see "Your product" > "Playable media").
- If the password entry menu is displayed, enter the password before you can play the locked or restricted disc (see "Adjust settings" > "Preference Setup" > **[Parental Control]**).
- If you pause or stop a disc, the screen saver appears after 10 minutes of inactivity. To deactivate the screen saver, press any button.
- After you pause or stop a disc and no button is pressed within 30 minutes, this product automatically switches to standby.

Play video

Control video play

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

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

Note

• For BD disc with Java application, the resume function is not available.

Change video play

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

Button	Action
AUDIO	Select an audio language or channel on a disc.
SUBTITLE	Select the subtitle language on a disc.
REPEAT	Select or turn off repeat or shuffle mode. • Repeat options may vary from the disc type. • For VCDs, repeat play is only possible when the PBC mode is turned off.
□ INFO	Display the current status or disc information.
□ OPTIONS	Access options relating to the current activity or selection.
BONUSVIEW	Turn on or off the secondary video in a small screen window during play (applicable only to BD-video that supports the BONUSVIEW or Picture-In-Picture feature).

Note

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

Display menu
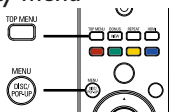
BD-video disc
• **TOP MENU** stop the video play and shows the disc menu. This feature is disc-dependent.
• **POP-UP MENU** access to the BD-video disc menu without interrupting disc play.

DVD-video disc
• **TOP MENU** display the root menu of a disc.

- **DISC MENU** display disc information and guide you through the available functions in the disc.

VCD/SVCD/DivX disc:

- **DISC MENU** display the content of the disc.

✳ **Tip**

- If the PBC setting is off, the VCD/SVCD skips the menu and starts play from the first title. To display the menu before play, turn on the PBC setting (see "Adjust settings" > **[Preference Setup]** > **[PBC]**).

Select title/chapter

1 During play, press ⊟ **OPTIONS**.
   ↳ The play options menu is displayed.
2 Select **[Title]** or **[Chapter]** in the menu, then press **OK**.
3 Select the title or chapter number, then press **OK**.

Skip play to a specific time

1 During play, press ⊟ **OPTIONS**.
   ↳ The play options menu is displayed.
2 Select **[Time Search]** in the menu, then press **OK**.
3 Press the **Navigation buttons** (▲▼) to change the time to skip to, then press **OK**.

Zoom in/out

1 During play, press ⊟ **OPTIONS**.
   ↳ The play options menu is displayed.
2 Select **[Zoom]** in the menu, then press **OK**.
3 Press the **Navigation buttons** (◀▶) to select a zoom factor, then press **OK**.
4 Press the **Navigation buttons** to pan through the zoomed picture.
   - To cancel zoom mode, press ↩ **BACK** or **OK** to display the zoom factor bar, then press the **Navigation buttons** (◀▶) until the zoom factor [x1] is selected.

Repeat play for a specific section

1 During play, press ▣ OPTIONS.
   ↳ The play options menu is displayed.
2 Select **[Repeat A-B]** in the menu, then press **OK** to set the starting point.
3 Forward the video play, then press **OK** to set the ending point.
   ↳ Repeat play starts.
   • To cancel repeat play mode, press ▣ OPTIONS, select **[Repeat A-B]** and press **OK**.

Note

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

View video play from different camera angles

1 During play, press ▣ OPTIONS.
   ↳ The play options menu is displayed.
2 Select **[Angle List]** in the menu then press ▶.
3 Select an angle option, then press **OK**.
   ↳ Play changes to the selected angle.

Note

• Applicable only to discs that contain multi-angle scenes.

Shift subtitle display

This feature is only available if you have set the **[TV Display]** to **[Cinema 21:9]** (see "Adjust settings" > "Video Setup").

1 During play, press ▣ OPTIONS.
   ↳ The play options menu is displayed.
2 Select **[Shift Subtitle]** in the menu, then press ▶.
3 Press the **Navigation buttons** (▲▼) to shift the subtitle, then press **OK**.

✳ Tip

- You can press **SUBTITLE** on the remote control to access Shift Subtitle feature.
- Subtitle Shift is not supported for DivX video with external subtitles.
- Subtitle Shift setting is not retained after disc is removed.

Play BD-video

Blu-ray video disc has a larger capacity and supports features such as high-definition videos, multi-channel surround sounds, interactive menus and so on.

1 Insert a BD-video disc.
2 Press ⌂, select **[Play Disc]** then press **OK**.
3 Play automatically starts, or select a play option in the menu and press **OK**.
   - During play, you can press **TOP MENU** to display additional information, features or content stored in the disc.
   - During play, you can press **POP-UP MENU** to display the disc menu without interrupting disc play.

Enjoy BONUSVIEW

(Applicable only to a disc compatible with the BONUSVIEW or Picture-in-Picture feature)
You can instantly view additional content (such as commentaries) in a small screen window.
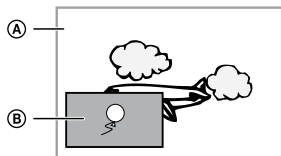
(A) Primary video
(B) Secondary video

1 Press **BONUSVIEW** to turn on the secondary video window.
2 Press 🗐 **OPTIONS**.

    ↦ The play options menu is displayed.

3 Select **[2nd Audio Language]** or **[2nd Subtitle Language]** in the menu, then press ▶.

4 Select the language to play, then press **OK**.

Play DivX® video

DivX video is a digital media format that retains high quality despite a high rate of compression. You can enjoy DivX video on this DivX certified product.

1 Insert a disc that contains the DivX videos.

2 Press ♠, select **[Play Disc]**, then press **OK**.
    ↦ A contents menu is displayed.

3 Select a video folder, then press **OK**.

4 Select a title to play, then press **OK**.

5 Use the remote control to control the play.

Button	Action
AUDIO	Select an audio language or channel.
SUBTITLE	Select a subtitle language.
■	Stop play.

Note

- You can only play DivX videos that were rented or purchased with the DivX registration code of this product (see "Adjust Settings" > **[Advanced Setup]** > **[DivX® VOD Code]**).
- You can play DivX video files of up to 4GB.
- This product can display up to 45 characters in the subtitle.

Play music

Control a track

1 Play a track.

2 Use the remote control to control the play.

Button	Action
∎∎	Pause play.
▶	Start or resume play.
∎	Stop play.
◀◀/▶▶|	Skip to a previous/next track.
(number buttons)	Select an item to play.
◀◀ /▶▶	Search fast-backward or fast-forward. Press repeatedly to change the search speed.
REPEAT	Select or turn off repeat or shuffle mode.

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.
2 Press ♠, select **[Play Disc]**, then press **OK**.
   ↳ A contents menu is displayed.
3 Select a music folder, then press **OK**.
4 Select a file to play, then press **OK**.
   • To return to the main menu, press ⤺ BACK.

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.
2 Press ♠, select **[Play Disc]**, then press **OK**.
   ↳ A contents menu is displayed.
3 Select a photo folder, then press **OK** to enter.
   • To select a photo, press the **Navigation buttons**.
   • To enlarge the selected photo and start slideshow, press **OK**.
4 Press **OK** to start slideshow play.

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.
- This product 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 product 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.
▲/▼	Flip a photo horizontally/vertically.
■	Stop play.

Note

- Some operations may not work with some discs or files.

Set slideshow interval and animation

1 During play, press ▣ **OPTIONS**.
   ↳ The play options menu is displayed.
2 Select **[Duration per slide]** in the menu, then press **OK**.
3 Select a duration, then press **OK**.
4 Select **[Slide Animation]** in the menu, then press **OK**.
5 Select a type of animation effect, then press **OK**.

Play musical slideshow

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

Note

- To create a musical slideshow, you must store the MP3/WMA and JPEG files on the same disc.

1 Play MP3/WMA music.
2 Press ⤺ **BACK** to return to the main menu.
3 Navigate to enter a photo folder, then press **OK** to start slideshow play.
   ↳ Slideshow begins and continues till the end of the photo folder.
   ↳ Audio continues to play until the end of the disc.
   - To stop the slideshow play, press ■.

- To stop the music play, press ■ again.

6 Adjust settings

Note

- If the setup option is grayed out, it means the setting cannot be changed at the current state.

Video setup

1 Press 🏠.
2 Select **[Settings]**, then press **OK**.
3 Select **[Video Setup]**, then press ▶.

Video Setup	Audio	● English
	Subtitle	● Off
Audio Setup	Disc Menu	● English
Preference Setup	TV Display	● 16:9 Widescreen
	HDMI Video	● Auto
EasyLink Setup	HDMI Deep Color	● Auto
Advanced Setup	Picture Settings	● Standard

4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
   - To return to the previous menu, press ⤺ **BACK**.
   - To exit the menu, press 🏠.

[Audio]
Select an audio language for disc play.

[Subtitle]
Select a subtitle language for disc play.

[Disc Menu]
Select a language for disc menu.

[TV Display]

Select a display format:

4:3 Letter Box (LB)   4:3 Pan Scan (PS)

16:9 (Wide Screen)   16:9   Cinema 21:9

- **[4:3 Letterbox]** – For 4:3 screen TV: wide-screen display with black bars on the top and bottom of the screen.
- **[4:3 Panscan]** – For 4:3 screen TV: full-height display with the trimmed sides.
- **[16:9 Widescreen]** – For wide-screen TV: display picture at ratio 16:9.
- **[16:9]** – For 16:9 screen TV: display picture at ratio 4:3 for a disc with 4:3 ratio, with black bars on the left and right side of the screen.
- **[Cinema 21:9]** – For wide-screen TV of display ratio 21:9, remove black bars at the bottom and top of the screen.

[HDMI Video]

Select an HDMI video output resolution that is compatible with your TV display capability.

- **[Auto]** - Detect and select the best supported video resolution automatically.

- **[Native]** - Set to original video resolution.
- **[480i/576i], [480p/576p], [720p], [1080i], [1080p], [1080p/24Hz]**
  - Select a video resolution setting that is best supported by the TV. See the TV manual for details.

> **Note**
>
> • If the setting is not compatible with your TV, a blank screen appears. Wait for 10 seconds for auto recovery, or press repeatedly the **HDMI** button until the picture appears.

[HDMI Deep Color]

This feature is available only when the display device is connected by a HDMI cable, and when it supports deep color feature.

- **[Auto]** - Enjoy vivid images in over a billion colors on Deep Color enabled TV.
- **[Off]** - Output standard 8 bit color.

[Picture Settings]

Select a predefined set of picture color settings.

- **[Standard]** – Original color setting.
- **[Vivid]** – Vibrant color setting.
- **[Cool]** - Soft color setting.
- **[Action]** – Sharp color setting. It enhances the details in the dark area. Ideal for action movies.
- **[Animation]** – Contrast color setting. Ideal for animated pictures.

Audio Setup

1. Press **⌂**.
2. Select **[Settings]**, then press **OK**.
3. Select **[Audio Setup]**, then press ▶.

Video Setup	Night Mode
Audio Setup	HDMI Audio
Preference Setup	Digital Audio
	PCM Downsampling
EasyLink Setup	
Advanced Setup	

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

5   Select a setting, then press **OK**.
   •   To return to the previous menu, press ⤺ **BACK**.
   •   To exit the menu, press ⌂.

[Night Mode]

Make a loud sound level softer and a soft sound level louder to play the disc at a low volume, without disturbing other persons.

•   **[Auto]** - Applicable to tracks with Dolby True HD audio.
•   **[On]** – For quiet viewing at night.
•   **[Off]** – For surround sound with a full dynamic range.

Note

• Applicable only to Dolby encoded DVD-video or BD-video.

[HDMI Audio]

Select an HDMI audio output when you connect this product and the TV/ audio device with an HDMI cable.

•   **[Bitstream]** – Select the best original HD audio experience (only via an HD audio compatible receiver).
•   **[Auto]** – Detect and select the best supported audio format automatically.

[Digital Audio]

Select an audio format for the sound output from the DIGITAL OUT jack (coaxial/optical).

•   **[Auto]** - Detect and select the best supported audio format automatically.
•   **[PCM]** - The audio device does not support multi-channel format. Audio is downmixed to two-channel sound.
•   **[Bitstream]** - Select the original audio to experience Dolby or DTS audio (BD-video special sound effect is disabled).

Note

• Ensure that the audio format is supported by the disc and the connected audio device (amplifier/receiver).
• When **[Bitstream]** is selected, interactive audio like button sound is muted.

[PCM Downsampling]

Set the sampling rate for PCM audio output from the DIGITAL OUT jack (coaxial/optical).

- **[On]** - PCM audio is down-sampled at 48kHz.
- **[Off]** - For BD or DVD recorded in LPCM without copyright protection, two-channel audio signals up to 96 kHz are output as LPCM signals with no conversion.

Preference Setup

1 Press ⌂.
2 Select **[Settings]**, then press **OK**.
3 Select **[Preference Setup]**, then press ►.

Video Setup	Menu Language	● English
	Parental Control	● Off
Audio Setup	Screen Saver	● Off
Preference Setup	Change Password	●
	Display Panel	● Normal
EasyLink Setup	Auto Standby	● On
	VCD PBC	● On
Advanced Setup		

4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
   - To return to the previous menu, press ↩ **BACK**.
   - To exit the menu, press ⌂.

[Menu Language]

Select an on-screen menu language.

> **Note**
>
> • If this product is connected to an HDMI CEC compliant TV using a HDMI cable, it switches automatically to the same menu display language as per your TV setting (if the language set on TV is supported by this product).

[Parental Control]

Restrict access to discs that are unsuitable for children. These types of discs must be recorded
with ratings.
To access, enter your last set password or '**0000**'.

Note

- Rated discs above the level you set in **[Parental Control]** require a password to be played.
- The ratings are country-dependent. To allow all discs to play, select '**8**' for DVD-video and BD-Video.
- Some discs have ratings printed on them but are not recorded with ratings. This function has no effect on such discs.

[Screen Saver]
Turn on or off the screen saver mode. It helps to protect the TV screen from being damaged due to over exposure to static image for being too long.

- **[On]** - Set the screen saver active after 10 minutes of inactivity (for example, in the pause or stop mode)
- **[Off]** - Disable screen saver mode.

[Change Password]
Set or change the password.

---

1) Press the Numeric buttons to enter the password or your last set password. If you forget the password, enter '**0000**', then press **OK**.
2) Enter the new password.
3) Enter the same password again.
4) Move to **[Confirm]** in the menu and press **OK**.

[Display Panel]
Select a brightness level of the front panel display.

- **[Normal]** - Normal brightness.
- **[Dim]** - To dim display.

[Auto Standby]
Turn on or off auto standby mode. It is an energy saving feature.

- **[On]** - Switch to standby after 30 minutes of inactivity (for example, in pause or stop mode).

- **[Off]** - Disable auto standby mode.

[VCD 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.

EasyLink Setup

1 Press 🏠.
2 Select **[Settings]**, then press **OK**.
3 Select **[EasyLink Setup]**, then press ▶.

Video Setup	EasyLink	● On
	One Touch Play	● On
Audio Setup	One Touch Standby	● On
Preference Setup		
EasyLink Setup		
Advanced Setup		

4 Select an option, then press **OK**.
5 Select a setting, then press **OK**.
- To return to the previous menu, press ↩ **BACK**.
- To exit the menu, press 🏠.

[EasyLink]

This product supports Philips Easylink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use one single remote control to control all EasyLink-compliant devices that are connected through HDMI connectors.

- **[On]** - Turn on EasyLink features.
- **[Off]** - Disable EasyLink features.

[One Touch Play]

When you press the **STANDBY**⏻ button to turn on this product, the TV (if the TV supports one-touch play) automatically turns on and switches to the video-in channel. Disc play starts if there is a disc in this product.

- **[On]** - Turn on one-touch play feature.

- **[Off]** - Disable one-touch play feature.

[One Touch Standby]

When you press and hold the **STANDBY**⏻ button on the remote control, all the connected HDMI CEC devices (if the device supports one-touch standby) switch to standby mode simultaneously.

- **[On]** - Turn on one-touch standby feature.
- **[Off]** - Disable one-touch standby feature.

▬ Note

- You must turn on the HDMI CEC operations on the TV/devices before you can enjoy the EasyLink controls. See the TV/devices manual for details.
- Philips does not guarantee 100% interoperability with all HDMI CEC compliant devices.

Advanced Setup

1. Press 🏠.
2. Select **[Settings]**, then press **OK**.
3. Select **[Advanced Setup]**, then press ▶.

Video Setup	Software Download	●
	Clear Memory	●
Audio Setup	DivX(R) VOD Code	●
Preference Setup	Version Info	●
	Restore Factory Settings	●
EasyLink Setup		
Advanced Setup		

4. Select an option, then press **OK**.
5. Select a setting, then press **OK**.
   - To return to the previous menu, press ↩ **BACK**.
   - To exit the menu, press 🏠.

[Software Download]

Update the software of this product (if a latest version is available on Philips website) to enhance the playability of this product.

- **[USB]** - Download software from the USB device which is connected to this product.

> **Note**
>
> • For detailed software updating, see "Additional information" > "Update software".

[Clear Memory]

Remove some Blu-ray disc data (such as BonusView) that are automatically copied on the connected USB device.

> ✳ **Tip**
>
> • On the connected USB device, a folder named "BUDA" is automatically created to store some necessary data from Blu-ray disc.

[DivX® VOD Code]

Display the DivX® registration code.

> ✳ **Tip**
>
> • Use this product's DivX registration code when you rent or purchase video from www.divx.com/vod. The DivX videos rented or purchased through the DivX® VOD (Video On Demand) service can be played only on the device to which it is registered.

[Version Info.]

Display the software version and the MAC address of this product.

> ✳ **Tip**
>
> • This information is needed for you to check if a latest software version is available at the Philips website so that you can download and install on this product.

[Restore Default Settings]

Reset all the settings of this product to the factory settings, except for **[Parental Control]** setting.

7 Additional Information

Update software

For software updates to enchance performance, check the current software version of this product to compare with the latest software (if available) at the Philips website.

1 Press **⌂**.
2 Select **[Settings]**, then press **OK**.
3 Select **[Advanced Setup]** > **[Version Info.]**, then press **OK**.

Update software via USB

1 Go to www.philips.com/support to check if the latest software version is available for this product.
2 Download the software onto a USB flash drive.
3 Insert the USB flash drive to the **USB** jack of the rear panel.
4 In the Home menu, select **[Settings]** > **[Advanced Setup]** > **[Software Download]** > **[USB]**.
5 Follow the instructions on the TV screen to confirm update operation.
   ↳ Once software update is complete, this product automatically turns off to standby.
6 Disconnect the power cord for a few seconds and connect again to turn on this product.

▬ Note

- Do not turn off the power or remove the USB flash drive when software updating is in progress to prevent possible damage of this product.

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.

8 Specifications

Note

- Specification and design are subject to change without notice

Video

- Signal system: PAL / NTSC
- Composite video output: 1 Vp-p (75 ohm)
- HDMI output 480p, 576p, 720p, 1080i, 1080p, 1080p24

Audio

- 2 Channel analog output
  - Audio Front L&R : 2 Vrms (> 1 kohm)
- Digital output: 0.5 Vp-p (75 ohm)
  - Coaxial
- HDMI output
- Sampling frequency:
  - MP3: 32 kHz, 44.1 kHz, 48 kHz
  - WMA: 44.1 kHz, 48 kHz
- Constant bit rate:
  - MP3: 112 kbps - 320 kpbs
  - WMA: 48 kpbs - 192 kpbs

USB

- As additional memory for software updates and BonusView contents. Not for media play.

Main unit
- Power supply rating
  - 110~240V ~AC, 50~60 Hz
- Power consumption: 25W
- Power consumption in standby mode: 0.5 W
- Dimensions (w x h x d): 360 x 54 x 240 (mm)
- Net Weight: 2.5 kg

Accessories supplied
- Remote control and batteries
- Audio/Video cables
- User manual

Laser Specification
- Laser Type:
  - BD Laser Diode: InGaN/AIGaN
  - DVD Laser Diode: InGaAIP
  - CD Laser Diode: A IGaAs
- Wave length:
  - BD: 405 +5nm/-5nm
  - DVD: 650 +13nm/-10nm
  - CD: 790 +15nm/-15nm
- Output power:
  - BD: Max. ratings: 20mW
  - DVD: Max. ratings: 7mW
  - CD: Max. ratings: 7mW

9   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

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 TV manual for correct video input channel selection. Change the TV channel until you see the Philips screen.

No picture on HDMI connection.

- If this product is connected to an unauthorized display device with an HDMI cable, the audio/video signal may not be output.
- Check if the HDMI cable is faulty. Replace a new HDMI cable.
- If this happens when you change the **[HDMI Video]** setting, press **HDMI** on the remote control repeatedly until picture appears.

No high-definition video signal on the TV.

- Make sure that the disc contains high-definition video.
- Make sure that the TV supports high-definition video.

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.

No sound on HDMI connection.
- You may not hear any sound from the HDMI output if the connected device is non-HDCP compliant or only DVI-compatible.

No secondary audio output for Picture-in-Picture feature.
- When [Bitstream] under the [HDMI Audio] or [Digital Audio] menu is selected, interactive sound like secondary sound for Picture-in-Picture feature is muted. Deselect [Bitstream].

Play

Disc cannot be played.
- Ensure that the disc is correctly loaded.
- Ensure that this product supports the disc. See ''Your product'' > ''Playable media''.
- Ensure that this product supports the region code of the DVD or BD.
- For DVD±RW or DVD±R, ensure that the disc is finalized.
- Clean the disc.

Data files (JPEG, MP3, WMA) cannot be played or read.
- Ensure that the data file was recorded in the UDF, ISO9660 or JOLIET format.
- Ensure that the selected group (folder) does not contain more than 9,999 files for DVD, and 999 files for CD.
- Ensure that the JPEG file extension is.jpg, .JPG, .jpeg or .JPEG.
- Ensure that the MP3/WMA file extension is .mp3 or .MP3, and .wma or .WMA for windows Media™ Audio.

'No entry' sign appears on the TV.
- The operation is not possible.

EasyLink feature does not work.

- Ensure that this product is connected to the Philips brand EasyLink TV and the **[EasyLink]** in the menu is set to **[On]**.

The USB device cannot be played on this product.

- This product cannot play any audio/video/photo file stored on a USB device. USB connection works only for software updates and BonusView contents.

10 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.

B

Blu-ray Disc (BD)

Blu-ray Disc is a next generation optical video disc capable of storing five times more data than
a conventional DVD. The large capacity makes it possible to benefit from the features such as
high-definition videos, multichannel surround sound, interactive menus and so on.

BONUSVIEW

This is a BD-Video (Final Standard Profile or Profile 1.1) that supports interactive content encoded on the disc, such as picture-in-picture. This means you can play the primary video and secondary video simultaneously.

D

Digital Audio
Digital Audio is a sound signal that has been converted into numerical values. Digital sound can be transmitted through multiple channels. Analogue sound can only be transmitted through two channels.

DivX Video-On-Demand
This DivX Certified ® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx. com with this code to complete the registration process and learn more about DivX video.

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

DTS
Digital Theatre Systems. A surround sound system for providing 5.1 channels of discrete digital audio in consumer electronics products and software content. It is not developed by Dolby Digital.

H

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

HDMI
High-Definition Multimedia Interface (HDMI) is a high-speed digital interface that can transmit uncompressed high definition video and digital multichannel audio. It delivers high quality picture and sound quality, completely free from noise. HDMI is fully backward-compatible with DVI. As required by the HDMI standard, connecting to HDMI or DVI products without HDCP

(High-bandwidth Digital Content Protection) will result in no Video or Audio output.

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.

PCM

Pulse Code Modulation. A digital audio encoding system.

R

Region code

A system that allows discs to be played only in the region designated. This unit only plays discs that have compatible region codes. You can find the region code of your unit on the product label. Some discs are compatible with more than one region (or ALL regions.)

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.'

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