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BDP5100



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EN User manual

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# PHILIPS

## LASER

### CAUTION:

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

### CAUTION:

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

### LOCATION:

INSIDE, NEAR THE DECK MECHANISM.

## Italia

### DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio BDP5100, Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n.548. Fatto a Eindhoven

Philips Consumer Lifestyles  
Philips, Glaslaan 25616 JB Eindhoven,  
The Netherlands

## Norge

Typeskilt fi nnes på apparatens underside.

**Observer: Nettbryteren er sekundert innkoplet. Den innebygde nettdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.**

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

## 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 laseraparat  
Varning! Om apparaten används på annat sätt än i denna bruksanvisning specifi cerats, 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 nättdelen 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 kytkettyinä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

**Producent zastrzega możliwość wprowadzania zmian technicznych.**

## ČESKA REPUBLIKA

**Výstraha!** Tento přístroj pracuje s laserovým paprskem. Při nesprávné manipulaci s přístrojem (v rozporu s tímto návodem) může dojít k nebezpečnému ozáření. Proto přístroj za chodu neotevírejte ani nesnímejte jeho kryty. Jakoukoli opravu vždy svěřte specializovanému servisu.

**Nebezpečí!** Při sejmutí krytů a odjištění bezpečnostních spínačů hrozí nebezpečí neviditelného laserového záření!

**Chraňte se před přímým zásahem laserového paprsku.**

**Pokud byste z jakéhokoli důvodu přístroj demontovali, vždy nejdříve vytáhněte síťovou zástrčku.**

**Přístroj chraňte před jakoukoli vlhkostí i před kapkami vody.**

### Technické údaje laseru:

- Typ laseru:
  - Laserová dioda disku BD: AlGaInN
  - Laserová dioda disku DVD: AlGaInP
  - Laserová dioda disku CD: AlGaInP
- Vlnová délka:
  - BD: 405 +5 nm/-5 nm
  - DVD: 655 +10 nm/-10 nm
  - CD: 790 +10 nm/-20 nm
- Výstupní výkon:
  - BD: Max. jmenovitý: 20 mW
  - DVD: Max. jmenovitý: 6m W
  - CD: Max. jmenovitý: 7 mW

This product is in compliance with the EEE directive.

EEE yönergesine uygundur.

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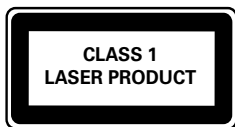
# 1 Important

## 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.



This product is in compliance with the essential requirements and other relevant provisions of Directives 2006/95/EC (Low Voltage), 2004/108/EC (EMC).



## 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



**Be responsible  
Respect copyrights**

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 Audio Video  
BU AVM

Innovation Site Singapore  
Philips Electronics Singapore Pte Ltd  
620A, Lorong 1 Toa Payoh,  
Singapore 319762

## Trademark notice



**Blu-ray Disc**

'Blu-ray Disc' and 'Blu-ray Disc' logo are trademarks.



HIGH-DEFINITION MULTIMEDIA INTERFACE

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Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS-HD, DTS-HD Master Audio, and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.



**ABOUT DIVX PLUS<sup>™</sup> HD:** DivX<sup>®</sup> is a digital video format created by DivX, Inc. This is an official DivX Certified<sup>®</sup> device that plays DivX video, including DivX Plus<sup>™</sup> HD video (H.264/MKV) up to 1080p and premium content. Visit [www.divx.com](http://www.divx.com) for more information and software tools to convert your files into DivX video.

**ABOUT DIVX VIDEO-ON-DEMAND:** This DivX Certified<sup>®</sup> 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 the device setup menu. Go to [vod.divx.com](http://vod.divx.com) with this code to complete the registration process and learn more about DivX VOD.



**BONUSVIEW<sup>™</sup>**

'BD LIVE' and 'BONUSVIEW' are trademarks of Blu-ray Disc Association.



'AVCHD' and 'AVCHD' logo are trademarks of Matsushita Electric Industrial Co., Ltd and Sony Corporation.



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



The USB-IF Logos are trademarks of Universal Serial Bus Implementers Forum, Inc.



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



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## 2 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers (e.g. product software upgrade), register your product at [www.philips.com/welcome](http://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. \_\_\_\_\_

### Feature highlights

For optimal performance of this product, it is suggested to regularly update the software of this product.

#### DLNA

Simply connect this product to your home network via the LAN jack or wirelessly with an optional Philips Wi-Fi USB adapter. You can stream your video and picture to this product and watch it directly on your TV.

## DivX Plus HD

This product is a DivX Plus HD Certified device. It plays all DivX video including DivX Plus HD video files (H.264 video with the .mkv file extension and AAC audio) up to 1080p and premium Hollywood content.

## 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.

## BD-Live

Connect this product to the movie studios website via the LAN port or external Wi-Fi to access a variety of up-to-date content (e.g. refreshed previews and exclusive special features).




## 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 media, WMA media, JPEG files
- DivX (Ultra)/DivX Plus HD media, MKV media
- USB flash drive

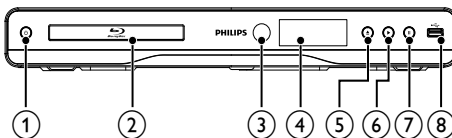
## Region codes






You can play discs with the following region codes.

Region code		Countries
DVD	Blu-ray	
		 Europe, United Kingdom

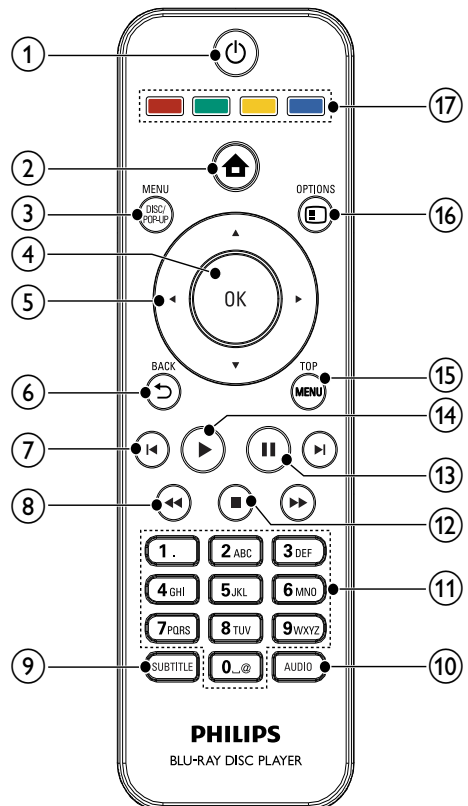
## Product overview












### Main unit



- 1 
  - Turn on this product or switch to standby mode.
- 2 **Disc compartment**
- 3 **IR sensor**
  - Detect signals from the remote control. Always 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.
- 8 
  - Connect a USB flash drive.

## 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 
  - Access the home menu of this product.
- ③ **DISC MENU / POP-UP MENU**
  - **BD:** Access or exit the pop-up menu.
  - **DVD:** Access or exit the disc menu.
- ④ **OK**
  - Confirm an entry or selection.
- ⑤  
  - Navigate through the menus.
- ⑥  **BACK**
  - Return to a previous display menu.
- ⑦ 
  - Skip to the previous or next title, chapter, or track.
- ⑧ 
  - Search backward or forward.
- ⑨ **SUBTITLE**
  - Select a subtitle language on a disc.
- ⑩ **AUDIO**
  - Select an audio language or channel on a disc.
- ⑪ **Alphanumeric buttons**
  - Select an item to play.
  - Enter values.
- ⑫ 
  - Stop play.
  - Press and hold to open/close the disc compartment.
- ⑬ 
  - Pause play.
  - Move the paused picture one step forward.
- ⑭ 
  - Start or resume play.
- ⑮ **TOP MENU**
  - **BD:** Display the top menu.
  - **DVD:** Display the title menu.
- ⑯  **OPTIONS**
  - Access options for the current activity or selection.
- ⑰ **Color buttons**
  - **BD:** Select tasks or options.

## 3 Connect

Make the following connections to use this product.

### Basic connections:

- Video
- Audio
- Power

### Optional connections:

- Route audio to other devices
  - HDMI-compliant AV receiver/amplifier
  - Multi-channel AV amplifier/receiver
  - Digital AV amplifier/receiver
  - Analog stereo system
- USB flash drive
- Wired/Wireless network

### Note

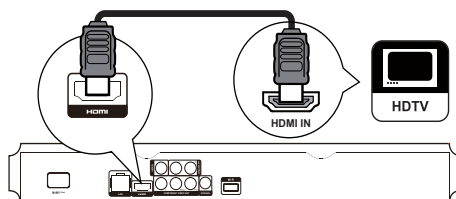
- Refer to the type plate at the back or bottom of the product for identification and supply ratings.
- Before you make or change any connections, ensure that all the devices are disconnected from the power outlet.

## Connect video/audio cables

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 component video jacks (for a standard TV or Progressive Scan TV).
- **Option 3:** Connect to the composite video jack (for a standard TV).

### Option 1: Connect to the HDMI jack

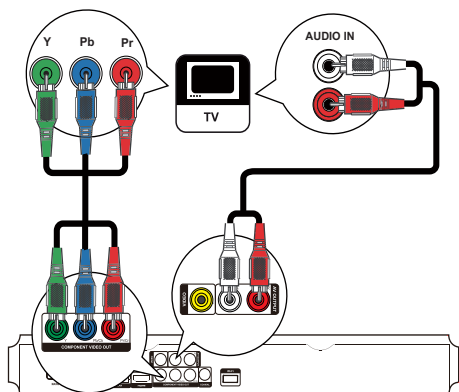


- 1 Connect an HDMI cable (not supplied) to:
  - the **HDMI** jack on this product.
  - the HDMI input jack on the TV.

## Tip

- If the TV has a DVI connector only, connect via an HDMI/DVI adaptor. Connect an audio cable for sound output.
- If this product connects to a TV compatible with 1080p or 1080p/24Hz, 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 connection provides best picture quality.

## Option 2: Connect to the component video jack

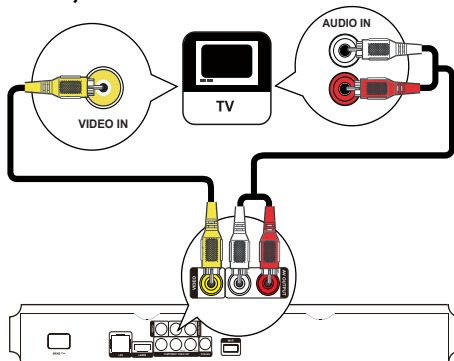


- 1 Connect the component video cables (not supplied) to:
  - the **Y Pb/Cb Pr/Cr** jacks on this product.
  - the **COMPONENT VIDEO** input jacks on the TV.
- 2 Connect the audio cables to:
  - the **AV OUTPUT-L/R** jacks on this product.
  - the **AUDIO** input jacks on the TV.

## Tip

- The component video input jack on the TV might be labeled as Y Pb Pr or YUV.

## Option 3: 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 **AV OUTPUT-L/R** jacks on this product.
  - the **AUDIO** input jacks on the TV.

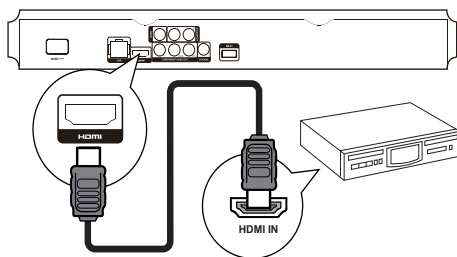
## Tip

- The video input jack on the TV might be labeled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.

## Route audio to other devices

You can route the audio from this product to other devices.

## Connect to HDMI-compliant AV receiver/amplifier



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



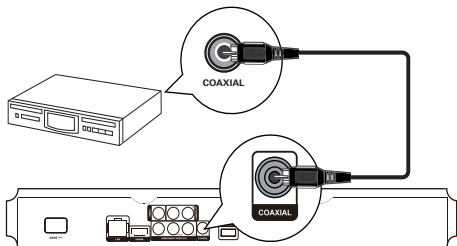


## Tip

- The HDMI connection provides best audio quality.

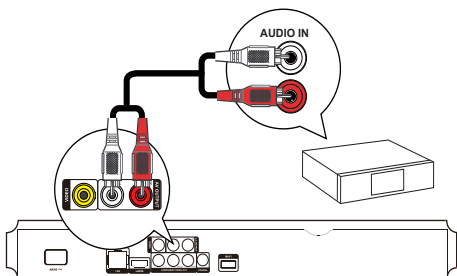
## Connect to digital AV amplifier/receiver

### Connect to coaxial jack



- 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 **AV OUTPUT-L/R** on this product.
  - the **AUDIO** input jacks on the device.

## Connect a USB device

A USB device provides an additional memory to enjoy software updates and BD-Live.

- 1 Connect a USB device to the  (USB) jack on the front panel of this product.

### Note

- Press , and select **[Browse USB]** in the menu to access the content and play the files.
- Connect a USB device only to the  jack of this product.
- Philips does not guarantee compatibility with all USB devices.

## Connect a network

With a wired or wireless connection (see “Get started” > “Set up a network”), you can connect this product to:

- the Internet (for software update/BD Live).
- or a home network (to access media files from a DLNA media server, e.g. PC).



## Note

- Internet access to Philips website for software update may not be allowed, depending on the router you use or the Internet Service Provider's policy. Contact your Internet Service Provider for more information.

## 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:
  - this product.
  - the wall socket.
 ↳ This product is ready to be set up for use.

## 4 Get started



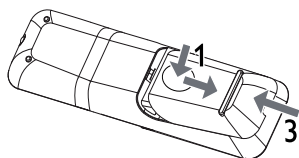
## Caution

- 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

- 1 Press and push the battery compartment to slide it open (see “1” in the illustration).
- 2 Insert two AAA batteries with correct polarity (+/-) as indicated.
- 3 Push and slide back the battery compartment (see “3” in the illustration).



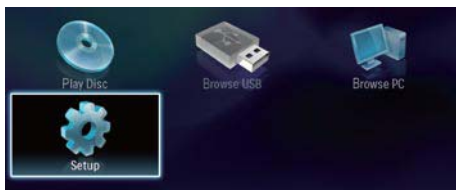
## Note

- If you are not going to use the remote control for a long time, remove the batteries.
- 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 TV input

- 1 Press **⏻** to turn on this product.
- 2 Turn on the TV and switch to the video input (refer to the TV user manual on how to select the A/V input).

## Use the Home menu



- 1 Press **⬆** to display the home menu.
  - To start disc play, select **[Play Disc]**.
  - To view the USB contents, select **[Browse USB]**.
  - To access the setup menus, select **[Setup]**.
  - To access media files from a DLNA home network media server (e.g. PC), select **[Browse PC]**.

## 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.
<div>1 2 3</div> <div>4 5 6</div> <div>7 8 9</div> <div>0</div>	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 **[Setup]** and press **OK**.
- 2 Select **[Preference Setup]**, and press **▶**.
- 3 Select **[Menu Language]**, and press **▶**.

Video Setup	Menu Language	English
Audio Setup	Audio	Français
Network Setup	Subtitle	Deutsch
EasyLink Setup	Disc Menu	Italiano
Preference Setup	Parental Control	Español
Advanced Setup	Screen Saver	Nederlands
	Auto Subtitle Shift	Svenska
	Change Password	Português

- The language options may vary from different regions.
- 4 Press **▲▼** to select a language, and press **OK**.

## Setup a network

You can connect this product to the Internet (for software update and BD Live), or to a home network (to access media files from a DLNA media server; e.g. PC).

To access media files from your computer; you need to ensure:

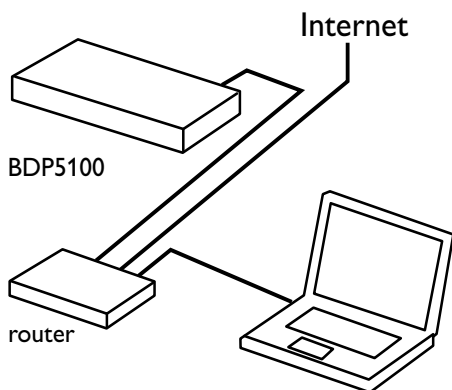
- a media server software (e.g. Windows Media Player 11) is installed on your computer;
- and the media server software is configured to enable media sharing (See the "Help" documentation from the media server software).

## Set up a wired network

### Note

- Ensure that the network cables are properly connected.

- 1 Connect a network cable (not supplied) to:
  - the **LAN** jack on this product.
  - the LAN jack on a router with Internet connection.
- 2 To access media files from your computer, connect the computer to the router.
- 3 Turn on this product, the computer and the router.

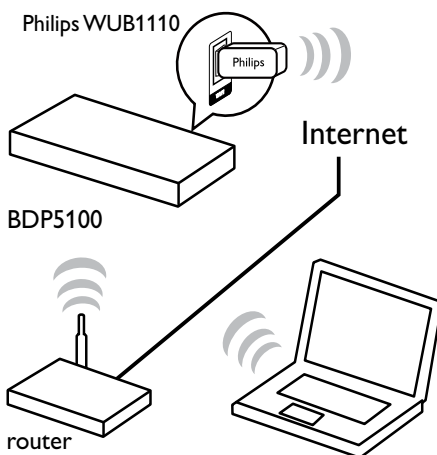


## Set up a wireless network

### Note

- For wireless connection, you need to use an optional Philips Wi-Fi USB adapter (named WUB1110).
- The Wi-Fi USB Adapter (WUB1110) is not included. To purchase this adapter, visit [shop.philips.com](http://shop.philips.com). If the Philips online shop is not available in your country, please contact Philips customer service. For contact details, go to [www.philips.com/support](http://www.philips.com/support).

- 1 Connect a Philips Wi-Fi USB adapter (named WUB1110, separately sold) to the **Wi-Fi** jack on the back of this product.
- 2 To access media files from you computer, connect the computer to the router.
- 3 Turn on this product, the computer and the router.



## Install the network connection

For the first time you connect the network, install the network connection.

- 1 Set up a wired or wireless network.
- 2 Press **⬆** to display the home menu.
- 3 Select **[Setup]** and press **OK**.
- 4 Select **[Network Setup]**, and press **▶**.
- 5 Select **[Network Installation]**, and press **OK**.

Video Setup	Network Installation •
Audio Setup	View Network Settings •
Network Setup	View Wireless Settings •
EasyLink Setup	
Preference Setup	
Advanced Setup	

- 6 Follow the on-screen instructions to complete the network installation.
  - ➔ After the network installation completes, you can access the services: browse PC, BD-Live, software updates.

### Tip

- You can check the status of the wired or wireless connection of this product (see "Adjust settings" > "Network Setup" > **[View Network Settings]** or **[View Wireless Settings]**).


## 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

- Press  (standby) to turn on this product.
  - The TV (if the TV 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

- Press and hold  (standby) 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 interoperability with other HDMI CEC devices.



## 5 Play

### Play a disc

#### Caution

- Do not place any objects other than discs into the disc compartment.

- Press  on the front panel to open the disc compartment.
  - You may also press and hold  on the remote control to open/close the disc compartment.
- Insert a disc with its label facing up.

- Press  to close the disc compartment and start disc play.
  - To view disc play, turn on the TV to the video input.
  - To stop disc play, press .

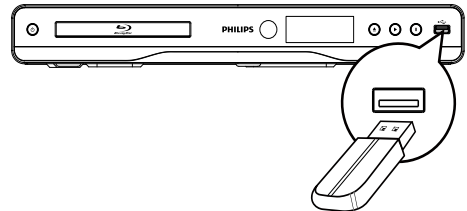
### Note




- 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 from USB device

Play or view media files on the following USB devices:

- flash drive
- memory card reader
- HDD (This product can detect only a portable hard disc drive with USB power peak current no more than 500mA.)



- Connect a USB device to the  (USB) jack on the front panel of this product.
- Press , and select **[Browse USB]**, and press **OK**.
  - A contents menu is displayed.
- Select a file to play, and press **OK**.
  - Play starts (see "Play video", "Play photo", "Play music" for details).
    - To stop play, press  or remove the USB device.

### Note

- Philips does not guarantee compatibility with all USB devices.
- Not all digital cameras are supported. Digital cameras that require PC programme installation are not supported.
- NTFS (New Technology File System) data format is not supported.

## 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. <ul style="list-style-type: none"> <li>• In pause mode, slow a play backward or forward.</li> </ul>



#### Note

- For BD discs with Java application, availability of the play resume function depends on specific discs.

### Change video play

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

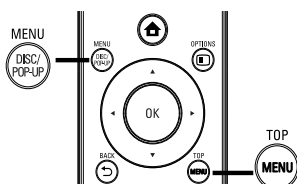
Button	Action
AUDIO	Directly select an audio language or channel on a disc.
SUBTITLE	Directly select a subtitle language on a disc.
⏸ OPTIONS	Access the above mentioned actions or more options (e.g. repeat or shuffle play mode).



#### 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]** > **[VCD PBC]**).

### Display play information

- 1 During play, press **⏸ OPTIONS**.  
↳ The play options menu is displayed.
- 2 Select **[Info]** in the menu, and press **OK**.  
↳ The current status of disc play is displayed.

### Select title/chapter

- 1 During play, press **⏸ OPTIONS**.  
↳ The play options menu is displayed.
- 2 Select **[Titles]** or **[Chapters]** in the menu, and press **OK**.
- 3 Select the title or chapter number, and 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, and press **OK**.
- 3 Press the **Navigation buttons** (⏮/⏭) to change the time to skip to, and press **OK**.

### Zoom in/out

- 1 During play, press **⏸ OPTIONS**.  
↳ The play options menu is displayed.
- 2 Select **[Zoom]** in the menu, and press **OK**.
- 3 Press the **Navigation buttons** (⏮/⏭) to select a zoom factor, and press **OK**.
- 4 Press the **Navigation buttons** to navigate in the zoomed picture.
  - To cancel zoom mode, press **⏮ BACK** or **OK** to display the zoom factor bar, and 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, and press **OK** to set the starting point.
- 3 Forward the video play, and press **OK** to set the ending point.  
↳ Repeat play starts.
  - To cancel repeat play mode, press **OPTIONS**, and 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, and press **►**.
- 3 Select an angle option, and press **OK**.  
↳ Play changes to the selected angle.

### Note

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

---

## Manually shift subtitle display

You can manually adjust the subtitle position on the TV screen.

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

### Tip

- Subtitle shift is not supported for DivX video with external subtitles.

---

## 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**] and 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.

- 1 Press **OPTIONS**.  
↳ The play options menu is displayed.
- 2 Select [**PIP Selection**] in the menu, and press **OK**.  
↳ The secondary video window is turned on.
- 3 Select [**2nd Audio Lang List**] or [**2nd Subtitle List**] in the menu, and press **►**.
- 4 Select the language to play, and press **OK**.

### Enjoy BD-LIVE

(Applicable only to a disc that enables BD-Live bonus content.)  
Additional contents (such as movie trailers, subtitles, etc..) can be downloaded to this product's local storage or a connected USB storage device. Special video data may be played while they are being downloaded.

When the disc supporting BD-Live is played, this product or disc's ID can be sent to the content provider via the internet. Services and functions to be provided vary from disc to disc.

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## Play DivX® video

DivX video is a digital media format that retains high quality despite a high rate of compression.

- 1 Insert a disc or USB device that contains the DivX videos.
- 2 Press , select [**Play Disc**] or [**Browse USB**], and press **OK**.  
↳ A contents menu is displayed.
- 3 Select a video folder, and press **OK**.
- 4 Select a title to play, and press **OK**.
- 5 Use the remote control to control the play.

---

Button	Action
<b>AUDIO</b>	Select an audio language or channel.
<b>SUBTITLE</b>	Select a subtitle language.
<b>■</b>	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 photo

### Play photo as slideshow





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

- Insert a disc or USB device that contains the JPEG photos.
- Press , select [Play Disc] or [Browse USB], and press **OK**.  
↳ A contents menu is displayed.
- Select a photo folder, and press **OK** to enter:
  - To select a photo, press the **Navigation buttons**.
  - To enlarge the selected photo and start slideshow, press **OK**.
- Press  to start slideshow play.


## Note

- It may require longer time to display the disc content on the TV if 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 most 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

- Play a photo slideshow.
  - Press  **OPTIONS** to access play options, select an option, and press **OK**.
  - During slideshow play, you may also press   to flip a photo horizontally/vertically.
  - If the slideshow stops, press  to continue play.

### Set slideshow interval and animation

- During play, press  **OPTIONS**.  
↳ The play options menu is displayed.
- Select [Duration per slide] in the menu, and press **OK**.




- Select a duration, and press **OK**.
- Select [Slide Animation] in the menu, and press **OK**.
- Select a type of animation effect, and 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 or USB device.

- Play MP3/WMA music.
- Press  **BACK** to return to the main menu.
- Navigate to enter a photo folder, and 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.

## Play music


### Control a track

- Play a track.
- Use the remote control to control the play.

Button	Action
	Pause play.
	Start or resume play.
	Stop play.
	Skip to a previous/next track.
         	Select an item to play.
 	Search fast-backward or fast-forward. Press repeatedly to change the search speed.
 <b>OPTIONS</b>	Access the repeat or shuffle play mode.

## Play MP3/WMA music

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

- 1 Insert a disc or USB device that contains the MP3/WMA music.
- 2 Press , select **[Play Disc]** or **[Browse USB]**, and then press **OK**.
  - ↳ A contents menu is displayed.
- 3 Select a music folder, and press **OK**.
- 4 Select a file to play, and 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.

## Browse PC

With a home network, you can play videos /music / photos which are streamed from a DLNA media server (e.g. PC) to your TV through this DLNA certified product.

### Note

- To browse a PC, ensure that a DLNA media server software (e.g. Windows Media Player 11) is installed on the PC.

- 1 Set up a home network (see "Get started" > "Set up a network").
  - Make sure that you have completed the network installation.
- 2 On your computer, in the DLNA media server software, you need to set:
  - ① Share my media to this product (see "Help" information in the media server software).
  - ② Share files or add files to the library (see "Help" information in the media server software).
- 3 Press  to display the home menu.
- 4 Select **[Browse PC]**, and press **OK**.

↳ This product automatically scans, and displays a list for the available networked devices.

- 5 Select your computer from the list, and press **OK**.
- 6 Select a media file from the DLNA media server (your computer).
- 7 Press **OK** to start play.
  - You may control play with play features (see "Play video", "Play photo", "Play music" for details).

### Note


- Media files may not be played properly, or play function may be limited.
- During files play, an image frame may drop or sound may skip, depending on the performance of the media server and the network environment.

## 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 **[Setup]**, and press **OK**.
- 3 Select **[Video Setup]**, and press **▶**.

Video Setup	TV Display	● 16:9 Widescreen
	HDMI Video	● Auto
	HDMI Deep Color	● Auto
	Component Video	● 480i/576i
	Picture Settings	● Standard
Audio Setup		
Network Setup		
EasyLink Setup		
Preference 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 .



## [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.
- **[21:9 Cinema]** – For wide-screen TV of display ratio 21:9.

### Note

- If **[4:3 Panscan]** you have selected is not supported by the disc, the screen displays in the **[4:3 Letterbox]** format.
- Help text display is available in all modes, except **[21:9 Cinema]**.
- For optimum viewing with Philips Cinema 21:9 TV, refer to the TV's user manual.

## [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 best is 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.

## [HDMI Deep Color]

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

- **[Auto]** - Enjoy vivid images in over a billion colors on Deep Color enabled TV.
- **[On]** - Enjoy vivid images in over a billion colors on Deep Color enabled TV. Output 12 bit color that reduces the posterization effect.
- **[Off]** - Output standard 8 bit color.

## [Component Video]

Select a component video output resolution that is compatible with the TV display capability.

- **[480i/576i], [480p/576p], [720p], [1080i]** - 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 the TV, a blank screen appears. Wait for 10 seconds for auto recovery.
- Copy protected DVDs can only output 480p/576p or 480i/576i resolution.

## [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 **[Setup]**, and press **OK**.
- 3 Select **[Audio Setup]**, and press **▶**.

Video Setup	Night Mode	● Off
	Neo 6	● Off
Audio Setup	HDMI Audio	● Auto
Network Setup	Digital Audio	● Auto
EasyLink Setup	PCM Downsampling	● On
Preference 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]

Increase a soft sound level such as dialogue to make it easier to hear at a low volume, while simultaneously decreasing a loud sound level.

- **[Auto]** - Detect and select a best sound level at a low volume. Applicable to tracks with Dolby TrueHD audio only.
- **[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.

### [Neo 6]

A post processing by DTS to generate a surround sound effect from 2 channel audio.

- **[Cinema]** – Enable Neo 6 post processing to the cinema mode.
- **[Music]** - Enable Neo 6 post processing to the music mode.
- **[Off]** – Disable Neo 6 post processing.

### [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.

## Network setup

- 1 Press .
- 2 Select **[Setup]**, and press **OK**.
- 3 Select **[Network Setup]**, and press .

Video Setup	Network Installation ●
Audio Setup	View Network Settings ●
Network Setup	View Wireless Settings ●
EasyLink Setup	
Preference 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 .

### [Network Installation]

Install the network connection.

### [View Network Settings]

Display the information for the current network status.

### [View Wireless Settings]

Display the information for the current Wi-Fi status. If the current network is not set to a wireless connection, this feature is de-activated.

## EasyLink setup

- 1 Press .
- 2 Select **[Setup]**, and press **OK**.
- 3 Select **[EasyLink Setup]**, and press .

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

- 4 Select an option, and press **OK**.

- 5 Select a setting, and 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 **⏻** (standby) 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 **⏻** (standby), 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.

## Preference setup

- 1 Press **⏏**.
- 2 Select **[Setup]**, and press **OK**.
- 3 Select **[Preference Setup]**, and press **▶**.

Video Setup	Menu Language	● English
Audio Setup	Audio	● English
	Subtitle	● Off
Network Setup	Disc Menu	● English
EasyLink Setup	Parental Control	● Off
Preference Setup	Screen Saver	● On
	Auto Subtitle Shift	● On
Advanced Setup	Change Password	●

- 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).

### [Audio]

Select an audio language for disc play.

### [Subtitle]

Select a subtitle language for disc play.

### [Disc Menu]

Select a language for disc menu.



#### Note

- If the language you have set is not available on the disc, the disc uses its own default language.
- For some discs, the subtitle/audio language can only be changed from the disc menu.

### [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.

### [Auto Subtitle Shift]

Turn on or off the automatic subtitle shift.

## Note

- This feature only works when **[TV Display]** is set to **[21:9 Cinema]**.

- **[On]** - The subtitle position on the TV screen is automatically adjusted.
- **[Off]** - Disable the automatically subtitle shift.

## [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.

## Advanced setup

- 1 Press **▲**.
- 2 Select **[Setup]**, and press **OK**.
- 3 Select **[Advanced Setup]**, and press **▶**.

Video Setup	BD Live Security	● Off
Audio Setup	Software Update	●
Network Setup	Clear Memory	●
EasyLink Setup	DivX® VOD Code	●
Preference Setup	Version Info.	●
Advanced Setup	Restore Default Settings	●

- 4 Select an option, and press **OK**.
- 5 Select a setting, and press **OK**.
  - To return to the previous menu, press **↶ BACK**.
  - To exit the menu, press **▲**.

## [BD-Live Security]

You can restrict internet access for BD-Live bonus contents which are available to certain Blu-ray discs.

- **[On]** - Internet access is prohibited for all BD-Live contents.
- **[Off]** - Internet access is permitted for all BD-Live contents.

## [Software Update]

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

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

## Note

- For detailed software updating, see "Additional information" > "Update software".

## [Clear Memory]

If the internal memory of this product is not enough to download BD-Live bonus contents for a BD disc, reformat the local storage to clear all the contents.

## Note

- When you clear the local storage, previous download of BD-Live bonus contents is no longer available.

## [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](http://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 enhance 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 **[Setup]**, and press **OK**.
- 3 Select **[Advanced Setup] > [Version Info.]**, and press **OK**.

### Update software via network

- 1 Set up the internet connection (see "Get started" > "Set up a network").
- 2 In the Home menu, select **[Setup] > [Advanced Setup] > [Software Update] > [Network]**.
  - ↳ You are prompted to start upgrading process if upgrade media is detected.
- 3 Follow the instructions on the TV screen to confirm update operation.
  - ↳ Once software update is complete, this product automatically turns off to standby.

### Update software via USB

- 1 Go to [www.philips.com/support](http://www.philips.com/support) to check if the latest software version is available for this product.
- 2 Download the software into a USB flash drive:
  - ① Un-zip the download, and make sure that the un-zipped folder is named "UPG".
  - ② Put the "UPG" folder in the root directory.
- 3 Insert the USB flash drive to the **⚡** (USB) jack on this product.
- 4 In the Home menu, select **[Setup] > [Advanced Setup] > [Software Update] > [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.



#### 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.

### Specifications



#### Note

- Specifications are subject to change without notice

#### Video

- Signal system: PAL / NTSC
- Composite video output: 1 Vp-p (75 ohm)
- Component video output: 480/576i, 480/576p, 720p, 1080i
  - Y: 1 Vp-p (75 ohm)
  - Pb: 0.7 V-p (75 ohm)
  - Pr: 0.7 V-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 kbps
  - WMA: 48 kbps - 192 kbps

#### USB

- Compatibility: Hi-Speed USB (2.0)
- Class support: UMS (USB Mass Storage Class)

### Main unit

- Power supply rating
  - Europe: 220~240V ~AC, ~50 Hz
- Power consumption: 25 W
- Power consumption in standby mode: < 0.5 W
- Dimensions (w x h x d): 435 x 60 x 227 (mm)
- Net Weight: 2.35 kg

### Accessories supplied

- Remote control and batteries
- Audio/Video cables
- Power cable
- Quick start guide
- User manual
- CD-ROM built in multi-lingual user manual

### Optional accessory

- A wireless Philips USB adapter(named WUB1110, sold separately)
  - Multimedia connections: Wi-Fi 802.11b/g/n
  - Connectivity: Rear connection (USB)
  - Ambient temperature: 5 deg C to 40 deg C.
  - Dongle dimensions (W x H x D): 28.4 x 82 x 13.4 mm

### Laser Specification

- Laser Type:
  - BD Laser Diode: AlGaInN
  - DVD Laser Diode: AlGaInP
  - CD Laser Diode: AlGaInP
- Wave length:
  - BD: 405 +5nm/-5nm
  - DVD: 655 +10nm/-10nm
  - CD: 790 +10nm/-20nm
- Output power:
  - BD: Max. ratings: 20mW
  - DVD: Max. ratings: 6mW
  - CD: Max. ratings: 7mW

## 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](http://www.philips.com/welcome).

---

### 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 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.
- Change settings for **[HDMI Video]** under the **[Video Setup]** menu until a 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 (home theater /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.

### DivX video files cannot be played.

- Ensure that the DivX video file is complete.
- Ensure that the file name extension is correct.

### The contents of the USB flash drive cannot be read.

- The USB flash drive format is not compatible with this product.
- Maximum size of memory supported is 160GB.

### 'No entry' or 'x' 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].

### Unable to access BD-Live feature.

- Check the network connection or ensure that the network has been set up.
- Clear local storage, internal memory (if any) or USB.
- Ensure that the BD disc supports BD Live feature.

## Network

### Wireless network is not found or distorted.

- Microwave ovens, Dect phones or other wireless devices in your neighborhood might disturb the wireless network.
- Make sure that the firewalls in your network allow access to the wireless connection of this product.

- If the wireless network does not work properly in your home, try the wired network connection (see "Get started" > "Set up a network").

### Browse PC works slowly.

- Look in your wireless router's user manual for information on indoor range, transfer rate and other factors of signal quality.
- You need a high speed connection for your router.

## 9 Glossary

### A

#### Aspect ratio

Aspect ratio refers to the width 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.

#### AVCHD

AVCHD is a format (standard) for high definition video cameras that can be used to record and play high-resolution HD images.

### 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

BonusView, also known as "Profile 1.1". In addition to basic playback and interactive features, BonusView players introduced after 31st October, 2007 enables users to enjoy 'Picture-in-Picture' (PiP) and secondary audio features (useful when playing games that use additional audio stream while the movie is playing) on compatible BonusView discs.

### 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<sup>®</sup> 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](http://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.'

---

# L

## LAN (Local Area Network)

A group of linked devices in a company, school or home. Indicates the boundaries of a particular network.

## Local storage

This storage area is used as destination for storing additional contents from BD-Live enabled BD-Video.

---

# 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<sup>™</sup> 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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Please contact:

Program Manager – Home Audio Video  
BU AVM  
Innovation Site Singapore  
Philips Electronics Singapore Pte Ltd  
620A, Lorong 1 Toa Payoh,  
Singapore 319762

## 1. U-boot

```
#  
# (C) Copyright 2000 - 2008  
# Wolfgang Denk, DENX Software Engineering, wd@denx.de.  
#  
# See file CREDITS for list of people who contributed to this  
# project.  
#  
# This program is free software; you can redistribute it and/or  
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# You should have received a copy of the GNU General Public License  
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# Foundation, Inc., 59 Temple Place, Suite 330, Boston,  
# MA 02111-1307 USA  
#  
A copy of the GPL is included below at item 2.
```

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Linus Torvalds

-----  
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Version 2.1, February 1999

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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.3, July 18th, 2005

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