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BDP7600

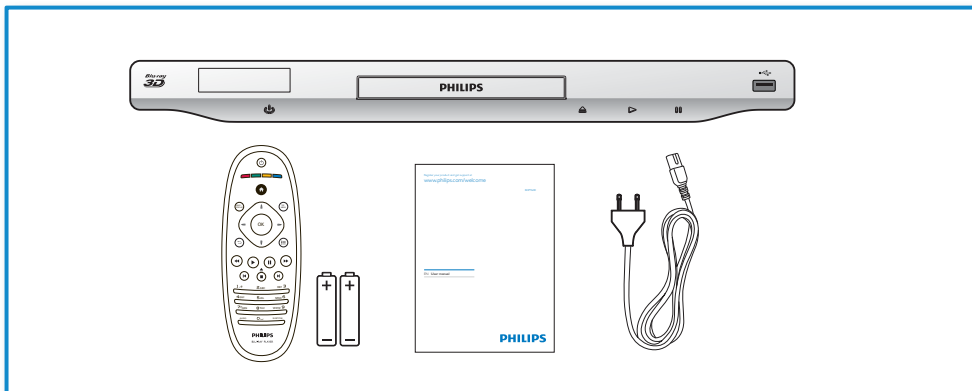


EN User manual

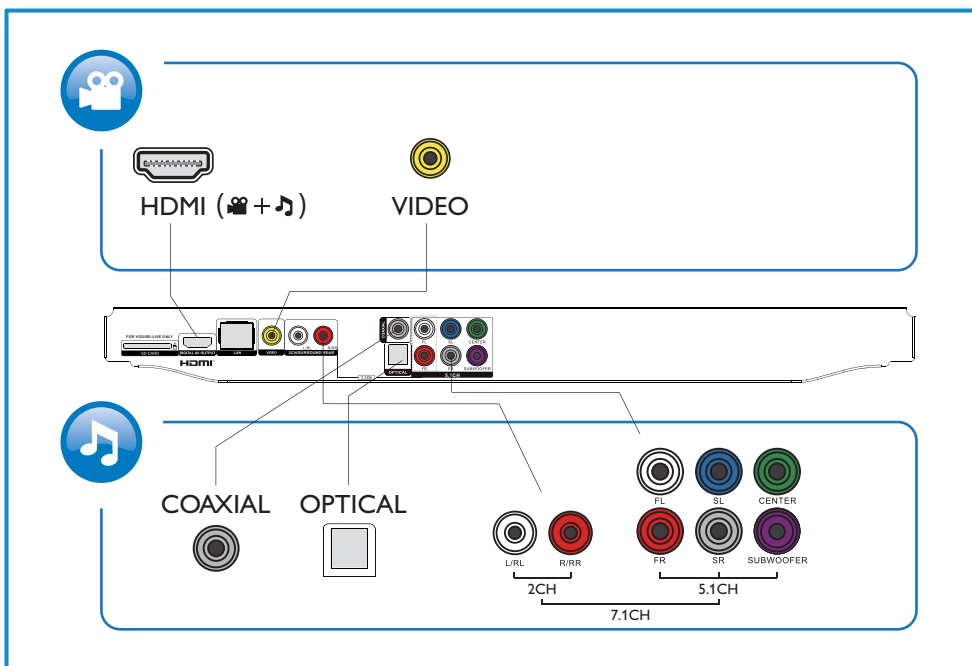
PHILIPS



Before you operate this Blu-ray disc player, read and understand all accompanying instructions.



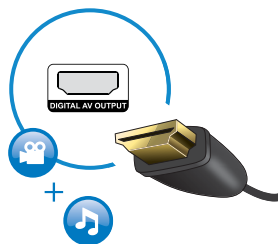
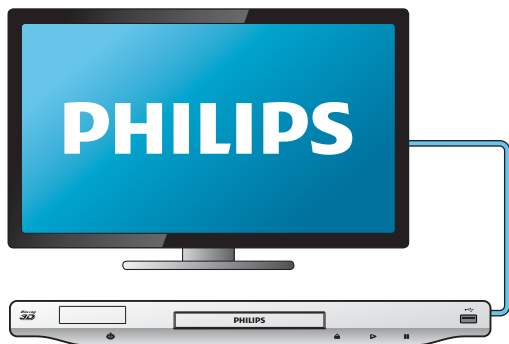
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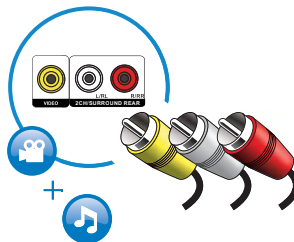
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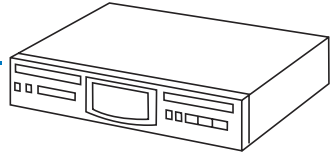
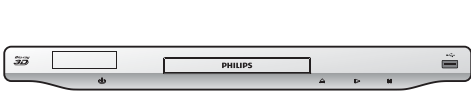


1 HDMI

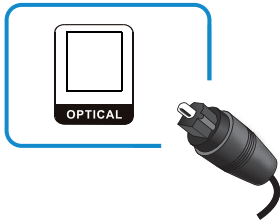


2 VIDEO+2 CH

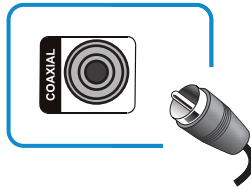




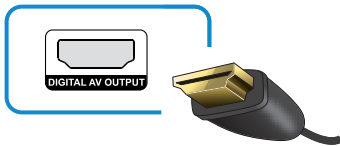
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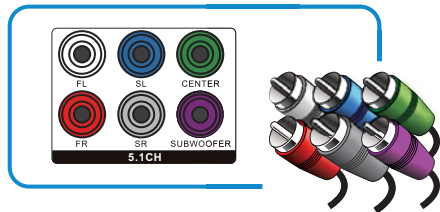
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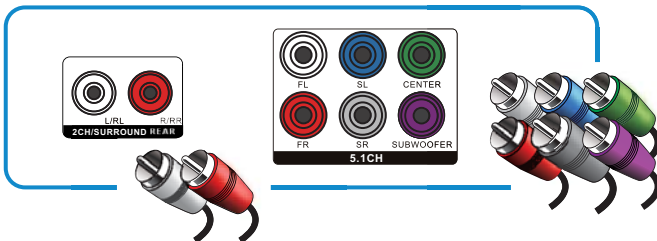
HDMI



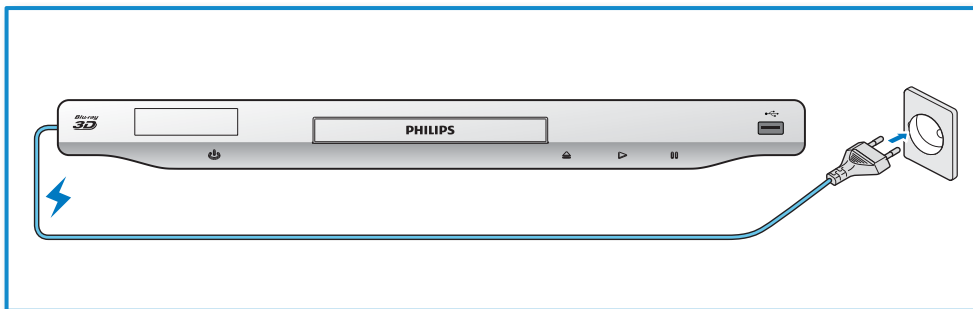
5.1 CH



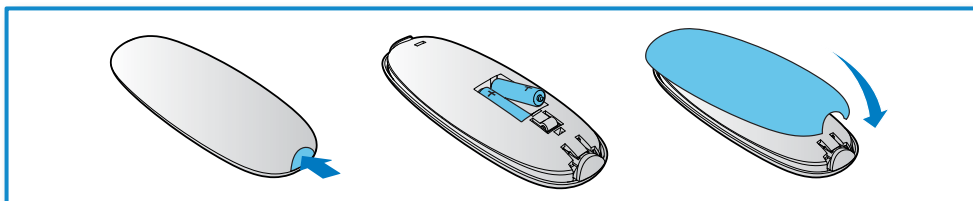
7.1 CH



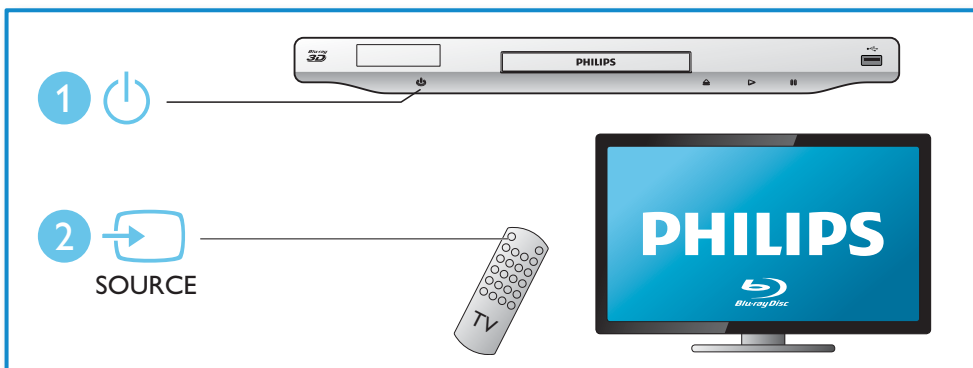
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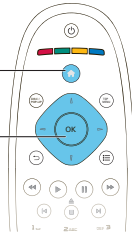
BD/BD 3D
DVD/VCD/CD
DivX Plus HD/MKV
MP3 / JPEG

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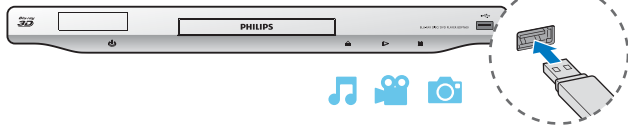


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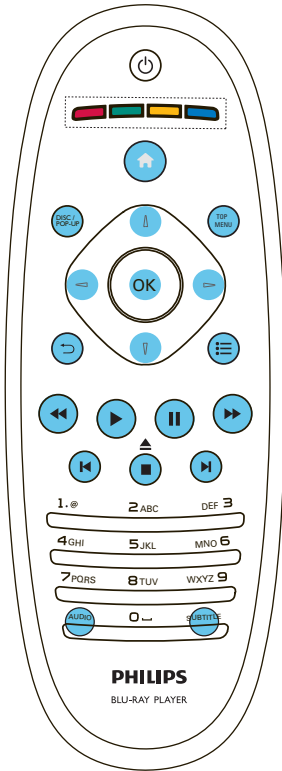
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2 Use your Blu-ray disc player

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.

Basic play control



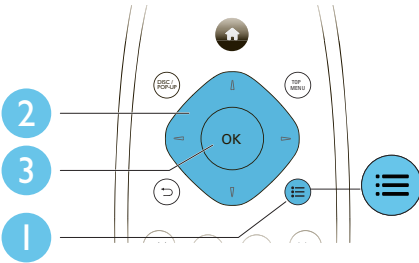
During play, press the following buttons to control.

Button	Action
	Access the home menu.
	Stop play. Press and hold (more than 4 seconds) to open or close the disc compartment.
	Pause play. Press repeatedly to slow forward frame by frame.
	Start or resume play.
	Skip to the previous or next track, chapter or file.
	Fast backward or forward. Press repeatedly to change the search speed. Press once, and then press to slow forward.
AUDIO	Select an audio language or channel.
SUBTITLE	Select a subtitle language.
DISC / POP-UP	Access or exit the disc menu.
TOP MENU	Access the main menu of a video disc.
Color buttons	Select tasks or options for Blu-ray discs.
	Navigate the menus. Press to rotate a picture clockwise or counter-clockwise during slideshow.
OK	Confirm a selection or entry.
	Return to a previous display menu.
	Access more options during play.

Video, audio and picture options

More options are available for video or picture play from a disc or USB storage device.

Video options



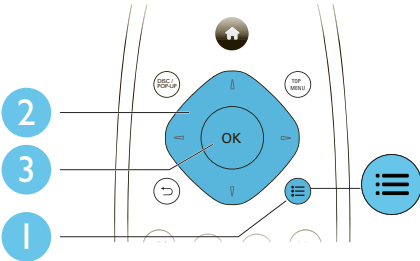
Access more options during video play.

- **[Audio Language]**: Select an audio language.
- **[Subtitle Language]**: Select a subtitle language.
- **[Subtitle Shift]**: Change the subtitle position on the screen. Press **↓ / ↑** to change the subtitle position.
- **[Info]**: Display play information.
- **[Character Set]**: Select a character set that supports the DivX video subtitle (only for DivX videos).
- **[Time Search]**: Skip to a specific time via the numeric buttons on the remote control.
- **[2nd Audio Language]**: Select the second audio language (only for Blu-ray discs that support BonusView).
- **[2nd Subtitle Language]**: Select the second subtitle language (only for Blu-ray discs that support BonusView).
- **[Titles]**: Select a title.
- **[Chapters]**: Select a chapter.
- **[Angle List]**: Select a camera angle.
- **[Menus]**: Display a disc menu.
- **[PIP Selection]** : Display a picture-in-picture window.
- **[Zoom]** : Zoom into a video picture. Press **← / →** to select a zoom factor.
- **[Repeat]** : Repeat a chapter or title.
- **[Repeat A-B]** : Mark two points within a chapter for repeat play, or turn off repeat mode.
- **[Picture Settings]** : Select a predefined color setting.
- **[User]**: Select a personalized picture setting (activated only when **[User]** under **[Picture Settings]** is selected).

Note

- Available video options depend on the video source.

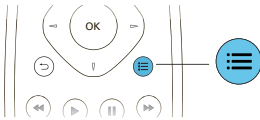
Picture options



Access more options during slideshow.

- **[Rotate +90]**: Rotate a picture 90 degrees clockwise.
- **[Rotate -90]**: Rotate a picture 90 degrees counter-clockwise.
- **[Zoom]**: Zoom into a picture. Press **←/→** to select a zoom factor.
- **[Info]**: Display picture information.
- **[Duration per slide]**: Set a display interval for a slideshow.
- **[Slide Animation]**: Select a transition effect for a slideshow.
- **[Picture Settings]**: Select a predefined color setting.
- **[Repeat]**: Repeat a selected folder.

Audio options



Press **≡** repeatedly to cycle through the following options.

- Repeat the current track.
- Repeat all the tracks on the disc or folder.
- Play audio tracks in a random loop.
- Turn off a repeat mode.

DivX videos

You can play DivX videos from a disc, a USB storage device, or an online video store (see "Rent online videos).

VOD code for DivX

- Before you purchase DivX videos and play them on this player, register this player on www.divx.com using the DivX VOD code.
- Display the DivX VOD code: press **▲**, and select **[Setup] > [Advanced] > [DivX® VOD Code]**.

DivX subtitles

- Press **SUBTITLE** to select a language.
- If the subtitle does not appear correctly, change the character set that supports the DivX subtitle. Select a character set: press **≡**, and select **[Character Set]**.

Character set	Languages
[Standard]	English, Albanian, Danish, Dutch, Finnish, French, Gaelic, German, Italian, Kurdish (Latin), Norwegian, Portuguese, Spanish, Swedish, and Turkish
[Central Europe]	Albanian, Croat, Czech, Dutch, English, German, Hungarian, Irish, Polish, Romanian, Slovak, Slovene, and Sorbian
[Cyrillic]	Bulgarian, Belorussian, English, Macedonian, Moldavian, Russian, Serbian, and Ukrainian
[Greek]	Greek



Note

- To play DivX DRM protected files from a USB storage device, or an online video store, connect this player to a TV through HDMI.
- To use the subtitles, make sure that the subtitle file has the same name as the DivX video file name. For example, if the DivX video file is named "movie.avi", save the subtitle file as "movie.srt", or "movie.sub".
- This player can play subtitle files in the following formats: .srt, .sub, .txt, .ssa and .smi.

Play a musical slideshow


Play music and pictures simultaneously to create a musical slideshow.

- 1 From a disc or connected USB storage device, play a music file.
- 2 Press **↻**, and go to the picture folder.
- 3 Select a picture from the same disc or USB, and press **OK** to start slideshow.
- 4 Press **■** to stop slideshow.
- 5 Press **■** again to stop music play.

BonusView on Blu-ray

View special content (such as commentaries) in a small screen window.



This feature is only applicable to Blu-ray discs compatible with BonusView (also known as picture in picture).

- 1 During play, press .
 - ↳ The options menu is displayed.
- 2 Select **[PIP Selection]** > **[PIP]**, and press **OK**.
 - ↳ PIP options [1]/[2] depend on the video contents.
 - ↳ The secondary video window is displayed.
- 3 Select **[2nd Audio Language]** or **[2nd Subtitle Language]**, and press **OK**.

BD-Live on Blu-ray

Access exclusive online services, such as movie trailers, games, ringtones and other bonus contents.

This feature is only applicable to Blu-ray discs that are BD-Live enabled.

- 1 Prepare the Internet connection and set up a network (see "Set up a network").
- 2 Connect a USB storage device or SD card to this player.
 - A USB storage device or SD card is used to store the downloaded BD-Live content.
- 3 Select a USB storage device or SD card to store: press , and select **[Setup]** > **[Advanced]** > **[Local Storage]**.
 - To delete the BD-Live previously downloaded on the USB storage device or SD card for memory release, press , and select **[Setup]** > **[Advanced]** > **[Clear memory]**.
- 4 Play a disc that is BD-Live enabled.
- 5 On the disc menu, select the BD-Live icon, and press **OK**.
 - ↳ BD-Live starts to load. The loading time depends on the disc and the Internet connection.
- 6 On the BD-Live interface, select an item to access.

Note

- BD-Live services vary from discs and countries.
- When you use BD-Live, data on the disc and this player are accessed by the content provider
- Use a USB storage device or SD card with at least 1GB of free space to store the download.

Play a Blu-ray 3D video

Before you start, make sure that:

- the TV is 3D compliant, and is connected to this player through HDMI
- the disc is a Blu-ray 3D disc
- you have 3D glasses compatible with the TV.

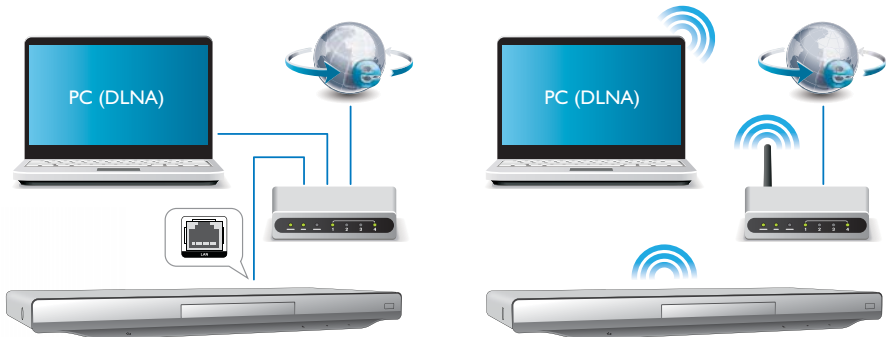
- 1 Make sure that 3D output is turned on: press **⬆**, and select **[Setup] > [Video] > [Watch 3D video] > [Auto]**.
- 2 Play a Blu-ray 3D video.
- 3 Put on the 3D glasses for 3D effects.
 - To play 3D video in 2D, turn off Blu-ray 3D output (press **⬆**, and select **[Setup] > [Video] > [Watch 3D video] > [Off]**).

Set up a network

Connect this player to a computer network and the Internet to access the services:

- **Browse PC (DLNA):** play photos, music and video files streamed from your computer.
- **Browse Net TV:** access online services, such as pictures, music and video stores.
- **Update software:** update the software of this player via the Internet.
- **BD-Live:** access online bonus features (applicable to Blu-ray discs that are BD-Live enabled).

- 1 Connect this player to a computer network and the Internet, through wired (Ethernet) or wireless connection.
 - This player has a built-in Wi-Fi for a wireless connection.



2 Perform the network installation.

- 1), Press **⬆**.
 - 2), Select **[Setup]**, and press **OK**.
 - 3), Select **[Network] > [Network Installation]**, and press **OK**.
 - 4), Follow the instructions on the TV screen to complete the installation.
-

Caution

- Before you connect to a network, familiarize yourself with the network router, media server software for DLNA, and networking principles. If necessary, read documentation accompanying network components. Philips is not responsible for lost, damaged or corrupt data.

iPhone

With an iPhone screen as a remote control, you can browse and play media files of a disc or USB storage device in this player.

What you need

- Download the Philips' smartphone control application from the iTunes store to your iPhone.
- Connect this player to a home network (see "Set up a network").
- Connect your iPhone to the same home network (see the user manual of the iPhone for details).

iPhone control

- 1 Insert a disc or USB storage device into this player.
- 2 On the iPhone screen, tap the smartphone control icon.
 - If the control icon does not appear, download the Philips' smartphone control application to the iPhone.
 - After a search, the name of this player is displayed.
- 3 Select this player from the iPhone screen.
 - ↳ The iPhone used as a remote control for this player is enabled.
 - ↳ The control buttons are displayed on the iPhone screen, and control functions can vary from play modes.
- 4 From the iPhone screen, touch the source tab, and then select the DISC or USB option.
 - ↳ The folders in the disc or USB storage device are displayed.
- 5 Open a folder, and select a file to play.
- 6 Tap the control buttons on the iPhone screen to control the play.
 - To exit the application, press the home button on the iPhone.

Browse PC (DLNA)

With this DLNA-certified player connected to a computer network, you can play video, music and photo from a computer.

Note

- To browse a PC, make sure that a DLNA media server software (such as Windows Media Player 11 or higher) is installed on the PC.

- 1 Connect this player to a computer network (see “Set up a network”).
- 2 On the PC, in the DLNA media server software (such as Windows Media Player 11 or higher), you need to set:
 - ① Share my media to this player (see “Help” document in the media server software).
 - ② Share files or add files to the library (see “Help” document in the media server software).
- 3 Press **▲**.
- 4 Select [**browse PC**], and press **OK**.
 - ↳ A content browser is displayed.
- 5 Select a file, and press **OK** to play.
 - You may control play with the disc play features.

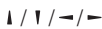



Browse Net TV

With this player connected to the Internet, you can access online Net TV services, such as movies, pictures, music, and games.

Note

- Koninklijke Philips Electronics N.V. bears no responsibility for content provided by Net TV service providers.

- 1 Connect this player to the Internet (see “Set up a network”).
- 2 Press **▲**.
- 3 Select [**browse Net TV**], and press **OK**.
 - ↳ The Net TV home page is displayed.
- 4 Follow the onscreen instructions, and use the remote control to browse Net TV.

Button	Action
	Select a service or item.
OK	Confirm a selection.
	Return to a previous page, or delete input text.
	Access options related to a current activity.
	Input numbers or letters (such as an email address and password).

To remove the passwords and cookies from this player, see the section: **Change settings > Network (network status, Net TV...)**.

Rent online videos


Rent videos from online stores through this player:

What you need

- A high-speed Internet connection to this player.
- An HDMI connection between this player and the TV.
- An SD memory card of type SDHC Class 6, with at least 4GB memory.

Note

- Use a blank SD card. Formatting a SD card will erase any content on the SD card.
- This service is country dependent.

- 1 Connect this player to the Internet (see "Set up a network").
- 2 Insert a blank SD card into the **SD CARD** connector located on the rear panel of this player.
- 3 Press .
- 4 Select **[browse Net TV] > Video stores**.
- 5 Select a video store, and follow the onscreen instructions to rent and watch a video.
 - ↳ The video is downloaded to the SD card. You can watch it now or at any time within the rental period.
 - ↳ For the downloaded video on the SD card, you can watch it only on this player.
- 6 Use the remote control to play and control the video.

Set up surround sound

This player can connect to a 7.1 channel or 5.1 channel AV receiver for surround sound output.

- 1 See the illustration on page 5. Connect 7.1 or 5.1 channel audio cables (not supplied) to:
 - **7.1 CH** (or **5.1 CH**) connectors on this player.
 - the corresponding **AUDIO** connectors on the receiver.
- 2 Connect a set of speakers (not supplied) to the AV receiver (refer to the user manuals for the AV receiver and the speakers).
- 3 Press **▲**, and select **[Setup] > [Audio] > [Channels] > [7.1 channel]** or **[2 channel & 5.1 channel]**.
 - If this player is connected to a 7.1 channel AV receiver, select **[7.1 channel]**.
 - If this player is connected to a 5.1 channel AV receiver, select **[2 channel & 5.1 channel]**.
- 4 Optimize surround sound output: press **▲** again, and select **[Setup] > [Audio] > [Speaker Setup]**.
 - Enter the distance for each speaker, and then listen to the test tones and adjust the volume. Experiment a little with the speaker positions to find the ideal setting.

Use Philips EasyLink

This player supports Philips EasyLink which uses the HDMI CEC (Consumer Electronics Control) protocol. You can use a single remote control to control EasyLink compliant devices that are connected through HDMI. Philips does not guarantee 100% interoperability with all HDMI CEC devices.

- 1 Connect the HDMI CEC compliant devices through HDMI, and turn on the HDMI CEC operations on the TV and other connected devices (see the user manual of the TV or other devices for details).
- 2 Press **▲**.
- 3 Select **[Setup] > [EasyLink]**.
- 4 Select **[On]** under the options: **[EasyLink]**, **[One Touch Play]** and **[One Touch Standby]**.
↳ EasyLink function is turned on.

One Touch Play

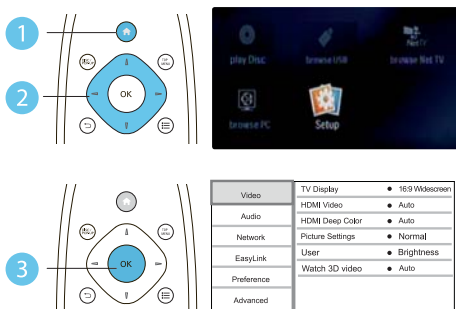
When you play a disc on this player, the TV automatically switches to the correct video input source.

One Touch Standby

When a connected device (for example TV) is put to standby with its own remote control, this player is put to standby automatically.

3 Change settings

This section helps you to change the settings of this player.



Note

- You cannot change a menu option that is grayed out.
- To return to the previous menu, press **↶**. To exit the menu, press **⏠**.


Picture

- 1 Press **⏠**.
- 2 Select **[Setup] > [Video]** to access the video setup options.
 - **[TV Display]**: Select a picture display format to fit the TV screen.
 - **[HDMI Video]**: Select an HDMI video resolution.
 - **[HDMI Deep Color]**: Display colors with more shades and hues when the video content is recorded in Deep Color and the TV supports this feature.
 - **[Picture Settings]**: Select a predefined color setting.
 - **[User]**: Select a personalized picture setting. This option is activated only when **[User]** under **[Picture Settings]** is selected.
 - **[Watch 3D video]**: Set to 3D or 2D output when playing a Blu-ray 3D disc. The player must be connected to a 3D TV through HDMI.

Note

- If you change a setting, make sure that the TV supports the new setting.
- For settings related to HDMI, the TV must be connected through HDMI.
- For the composite connection (via the **VIDEO** connector), select a video resolution of 480i/576i or 480p/576p under **[HDMI Video]** to enable video output.

Sound


- 1 Press .
- 2 Select **[Setup]** > **[Audio]** to access the audio setup options.
 - **[Night Mode]**: Select quiet or full dynamic sound. Night mode decreases the volume of loud sound and increases the volume of soft sound (such as speech).
 - **[Neo 6]**: Enable or disable a surround sound effect which is converted from 2.0 channel audio.
 - **[HDMI Audio]**: Set an HDMI audio format when this player is connected through HDMI.
 - **[Digital Audio]**: Select an audio format for the sound output when this player is connected through a digital connector (COAXIAL or OPTICAL).
 - **[PCM Downsampling]**: Set the sampling rate for PCM audio output when this player is connected through a digital connector (COAXIAL or OPTICAL).
 - **[Channels]**: Select 7.1 channel sound, or 2 channel / 5.1 channel sound according to multi-channel connection.
 - **[Speaker Setup]**: Set the volume level and distance of each speaker to obtain the best possible surround sound.




Note

- For settings related to HDMI, the TV must be connected through HDMI.
- Night mode is only available for Dolby encoded DVD and Blu-ray discs.

Network (network status, Net TV...)

- 1 Press .
- 2 Select **[Setup]** > **[Network]** to access the network setup options.
 - **[Network Installation]**: Start a wired or wireless installation to make the network work.
 - **[View Network Settings]**: Display the current network status.
 - **[View Wireless Settings]**: Display the current Wi-Fi status.
 - **[Clear Net TV Memory]**: Clear the history of Net TV browser (such as cookies).
 - **[Name your Product]**: Enable to re-name this player for display when this player is connected to a network (only for iPhone control).

Preference (languages, parental control...)

- 1 Press .
- 2 Select **[Setup]** > **[Preference]** to access the preference setup options.
 - **[Menu language]**: Select an onscreen display menu language.
 - **[Audio]**: Select an audio language for video.
 - **[Subtitle]**: Select a subtitle language for video.
 - **[Disc Menu]**: Select a menu language for a video disc.

- **[Parental Control]:** Restrict access to discs that are encoded with ratings. Input "0000" to access the restriction options. To play all discs irrespective of the rating, select level "8".
- **[Screen Saver]:** Enable or disable screen saver mode. If enabled, the screen enters idle mode after 10 minutes of inactivity (for example, in pause or stop mode).
- **[Auto Subtitle Shift]:** Enable or disable subtitle shift. If enabled, the subtitle position is changed automatically to fit the TV screen (this feature works with some Philips TVs only).
- **[Change Password]:** Set or change a password to play a restricted disc. Input "0000" if you do not have a password or if you have forgotten your password.
- **[Display Panel]:** Change the brightness of the display panel of the player.
- **[Auto Standby]:** Enable or disable auto standby. If enabled, the player switches to standby after 30 minutes of inactivity (for example, in pause or stop mode).
- **[Fast wake up]:** Enable or disable the player to wake up faster from standby. If fast wakeup is turned off, less power is consumed during standby.
- **[VCD PBC]:** Display or skip the content menu for VCD and SVCD.

Note

- If your preferred language is not available for disc language, audio or subtitle, you can select **[Other]** from the menu options and input 4-digit language code which can be found at the back of this user manual.
- If you select a language which is not available on a disc, this player uses the default language of the disc.

Advanced options (clear memory...)

- 1 Press **▲**.
- 2 Select **[Setup] > [Advanced]** to access the advanced setup options.
 - **[BD-Live Security]:** Restrict or allow access to BD-Live (only for non-commercial, user-created BD-Live discs).
 - **[Software Update]:** Select to update software from a network or from USB storage device.
 - **[Clear memory]:** Delete the previous BD-Live download on the USB storage device or SD card. A "BUDA" folder is automatically created to store the BD-Live download.
 - **[Local Storage]:** Select a USB storage device or SD card to store the downloaded BD-Live files.
 - **[DivX® VOD Code]:** Display the DivX® registration code or the deregistration code for this player.
 - **[Version Info.]:** Display the software version of this player.
 - **[Restore default settings]:** Reset this player to the default settings made at the factory, except for password and parental control level.

Note

- You cannot restrict Internet access on commercial Blu-ray discs.
- Before you purchase DivX videos and play them on this player, register this player on www.divx.com with the DivX VOD code.

4 Update software

Before you update the software of this player, check the current software version:

- Press **▲**, and then select **[Setup]** > **[Advanced]** > **[Version Info.]**, and press **OK**.

Update software via the Internet

- 1 Connect the player to the Internet (see "Set up a network").
- 2 Press **▲**, and select **[Setup]**.
- 3 Select **[Advanced]** > **[Software Update]** > **[Network]**.
↳ If an upgrade media is detected, you are prompted to start the update.
- 4 Follow the instructions on the TV screen to update the software.
↳ When the update is complete, this player automatically turns off.

Update software via USB

- 1 Check the latest software version on www.philips.com/support.
 - Search for your model and click on "Software and drivers".
- 2 Download the software into a USB storage device.
 - ① Unzip the download, and make sure that the unzipped folder is named "UPG_ALL".
 - ② Put the "UPG_ALL" folder in the root directory.
- 3 Connect the USB storage device to the **•←→** (USB) connector on this player.
- 4 Press **▲**, and select **[Setup]**.
- 5 Select **[Advanced]** > **[Software Update]** > **[USB]**.
↳ If an upgrade media is detected, you are prompted to start the update.
- 6 Follow the instructions on the TV screen to update the software.
↳ When the update is complete, this player automatically turns off.



Caution

- Do not turn off the power or remove the USB storage device when the software update is in progress because you might damage this player.

5 Specifications

Note

- Specifications are subject to change without notice

Region code

This player can play discs with the following region codes.

DVD	Blu-ray	Countries
 		Russia, India

Playable media

- BD-Video, BD 3D
- DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL (Dual Layer)
- VCD/SVCD
- Audio CD, CD-R/CD-RW, MP3 media, WMA media, JPEG files
- DivX (Ultra)/DivX Plus HD media, MKV media
- USB storage device

File format

- Video: .avi, .divx, .mp4, .mkv, .wmv
- Audio: .mp3, .wma, .wav
- Picture: .jpg, .gif, .png

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)
- 7.1 Channel analog output
 - Audio Front L + R : 2 Vrms (> 1 kohm)
 - Audio Surrond L + R : 2 Vrms (> 1 kohm)
 - Audio Center : 2 Vrms (> 1 kohm)
 - Audio Subwoofer : 1.15 Vrms (> 1 kohm)
 - Audio Rear L + R : 2 Vrms (> 1 kohm)
- Digital output: 0.5 Vp-p (75 ohm)
 - Optical, 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: USB Mass Storage Class
- File system: FAT16, FAT32
- Support HDD (a portable hard drive disc): an external power source may be needed.

SD card

- Used to download BD-Live and rent online videos, not for play of other media files.

Main unit

- Power supply rating: AC 220-240V~, 50 Hz
- Power consumption: 18 W
- Power consumption in standby mode (fast wakeup disabled): < 0.15 W
- Dimensions (w x h x d): 435 x 43 x 236 (mm)
- Net Weight: 1.7 kg

Accessories supplied

- Remote control and batteries
- AC power cable
- User manual

Laser Specification

- Laser Type (Diode): AlGaInN (BD), AlGaInP (DVD/CD)
- Wave length: 400 ~ 410nm (BD), 650 ~ 663nm (DVD), 770 ~ 800nm (CD)
- Output power (Max ratings): 20mW (BD), 7mW (DVD), 7mW (CD)

6 Troubleshooting



Warning

- Risk of electric shock. Never remove the casing of the player.

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

If you have problems using this player, check the following points before you request service. If you still have a problem, register your player and get support at www.philips.com/welcome.

If you contact Philips, you will be asked for the model and serial number of this player. The model number and serial number are on the back of this player. Write the numbers here:

Model No. _____

Serial No. _____

Main unit

The buttons on this player do not work.

- Disconnect this player from the power supply for a few minutes, and then reconnect.

Picture

No picture.

- Make sure that the TV is switched to the correct source input for this player.
- For the composite connection (via the **VIDEO** connector) to the TV, on this player select a video resolution of 480i/576i or 480p/576p under **[HDMI Video]** to enable video output.

No picture on HDMI connection.

- Make sure that the HDMI cable is not faulty. If it is faulty, replace with a new HDMI cable.
- On the remote control, press **▲** and then press "731" (numeric buttons) to recover picture display. Or wait for 10 seconds for auto recovery.
- If this player is connected to an unauthorized display device with an HDMI cable, the audio and video signals may not be output.

The disc does not play high-definition video.

- 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.

- Make sure that the audio cables are connected to the audio input of the TV.
- Make sure that the TV is switched to the correct source input for this player.

No audio output from the loudspeakers of the external audio device (home theater or amplifier).

- Make sure that the audio cables are connected to the audio input of the audio device.
- Switch the external audio device to the correct audio source input.

No 7.1 (or 5.1) channel audio from the loudspeaker of the audio system.

- According to multi-channel connection, select correct sound output: press **⬆**, and select **[Setup] > [Audio] > [Channels]**.
- Make sure that the disc contains 7.1 (or 5.1) channel audio.
- Make sure that the audio device supports 7.1 (or 5.1) channel audio.
- Make sure that the audio format is supported by the disc and the connected audio device (amplifier/receiver).
- For play of video files with DTS multi-channel audio from USB or DLNA, only 2 channel audio can be heard from multi-channel connection.

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

Cannot play a disc.

- Clean the disc.
- Make sure that the disc is correctly loaded.
- Make sure that this player supports the disc. See "Specifications".
- Make sure that this player supports the region code of the DVD or BD.
- For DVD±RW or DVD±R, make sure that the disc is finalized.

Cannot play DivX video files.

- Make sure that the DivX video file is complete.
- Make sure that the video file name extension is correct.
- To play DivX DRM protected files from a USB storage device or a network, connect this player to a TV through HDMI.

DivX subtitles do not display correctly.

- Make sure that the subtitle file has the same name as the DivX video file.
- Make sure that the subtitle file has an extension name supported by this player (.srt, .sub, .txt, .ssa, or .smi).

Cannot read the contents of a connected USB storage.

- Make sure that the format of the USB storage device is compatible with this player.
- Make sure that the file system on the USB storage device is supported by this player.
- For a portable hard drive disc (HDD), an external power source may be needed.

'No entry' or 'x' sign appears on the TV.

- The operation is not possible.

EasyLink feature does not work.

- Make sure that this player is connected to the Philips brand EasyLink TV, and the EasyLink option is turned on (see "Use your Blu-ray disc player" > "Use Philips EasyLink").

Cannot access BD-Live features.

- Make sure that this player is connected to the network (see "Use your Blu-ray disc player" > "Set up a network").
- Make sure that the network installation is made (see "Use your Blu-ray disc player" > "Set up a network").
- Make sure that the Blu-ray disc supports BD-Live features.
- Clear memory storage (see "Change settings" > "Advanced options (BD-Live security, clear memory...)").

Cannot download video from an online video store.

- Make sure that this player is connected to the TV through an HDMI cable.
- Make sure that the SD card is formatted, has enough memory to download the video, and is of type SDHC Class 6.
- Make sure that you have paid for the video, and it is within the rental period.
- Check the network connection (see "Set up a network").
- Visit the video store website for more information.

Network

Wireless network is not found or distorted.

- Make sure that the wireless network is not disturbed by microwave ovens, DECT phones, or other neighboring Wi-Fi devices.
- If the wireless network does not work properly, try a wired network installation (see "Set up a network").

Net TV does not work.

- Check the router connection (refer to the user manual for the router).

Browse PC and Net TV work 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 Internet connection for your router.

3D videos

Cannot see 3D effects

- Make sure that 3D output is turned on(see "Use your Blu-ray disc player" > "Play a Blu-ray 3D video").
- Make sure that the disc title being played is Blu-ray 3D compliant.
- Make sure that the TV is 3D and HDMI compliant, and the TV is set to 3D mode (refer to the TV's user manual).
- Make sure that the 3D glasses are activated (refer to the TV's user manual).

7 Safety and important notice

Read and understand all instructions before you use this Blu-ray disc player. If damage is caused by failure to follow the instructions, the warranty does not apply.

Safety

Risk of electric shock or fire!

- Never expose the product and accessories to rain or water. Never place liquid containers, such as vases, near the product. If liquids are spilt on or into the product, disconnect it from the power outlet immediately. Contact Philips Consumer Care to have the product checked before use.
- Never place the product and accessories near naked flames or other heat sources, including direct sunlight.
- Never insert objects into the ventilation slots or other openings on the product.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Disconnect the product from the power outlet before lightning storms.
- When you disconnect the power cord, always pull the plug, never the cable.

Risk of short circuit or fire!

- Before you connect the product to the power outlet, ensure that the power voltage matches the value printed on the back or bottom of the product. Never connect the product to the power outlet if the voltage is different.

Risk of injury or damage to the product!

- Visible and invisible laser radiation when open. Avoid exposure to beam.
- Do not touch the disc optical lens inside the disc compartment.
- Never place the product or any objects on power cords or on other electrical equipment.
- If the product is transported in temperatures below 5°C, unpack the product and wait until its temperature matches room temperature before connecting it to the power outlet.

Risk of overheating!

- Never install this product in a confined space. Always leave a space of at least four inches around the product for ventilation. Make sure that curtains or other objects never cover the ventilation slots on the product.

Risk of contamination!

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

Risk of swallowing batteries!

- The product/remote control may contain a coin type battery, which can be swallowed.
- Keep the battery out of reach of children at all times!



3D health warning

- If you or your family has a history of epilepsy or photosensitive seizures, consult a medical professional before exposing yourself to flashing light sources, rapid image sequences or 3D viewing.
- To avoid discomfort such as dizziness, headache or disorientation, we recommend not watching 3D for extended periods of time. If you experience any discomfort, stop watching 3D and do not immediately engage in any potentially hazardous activity (for example driving a car) until your symptoms have disappeared. If symptoms persist, do not resume watching 3D without consulting a medical professional first.
- Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.

Care for your product

- Do not insert any objects other than discs into the disc compartment.
- Do not insert warped or cracked discs into the disc compartment.
- Remove discs from the disc compartment if you are not using the product for an extended period of time.
- Only use microfiber cloth to clean the product.

Care of the environment



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.

Compliance



This product complies with the radio interference requirements of the European Community.

Copyright



Be responsible
Respect copyrights

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Open source software

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Language Code

Abkhazian	6566	Inupiaq	7375	Pushto	8083
Afar	6565	Irish	7165	Russian	8285
Afrikaans	6570	Íslenska	7383	Quechua	8185
Amharic	6577	Italiano	7384	Raeto-Romance	8277
Arabic	6582	Ivrit	7269	Romanian	8279
Armenian	7289	Japanese	7465	Rundi	8278
Assamese	6583	Javanese	7486	Samoan	8377
Avestan	6569	Kalaallisut	7576	Sango	8371
Aymara	6589	Kannada	7578	Sanskrit	8365
Azerhijani	6590	Kashmiri	7583	Sardinian	8367
Bahasa Melayu	7783	Kazakh	7575	Serbian	8382
Bashkir	6665	Kernewek	7587	Shona	8378
Belarusian	6669	Khmer	7577	Shqip	8381
Bengali	6678	Kinyarwanda	8287	Sindhi	8368
Bihari	6672	Kirghiz	7589	Sinhalese	8373
Bislama	6673	Komi	7586	Slovensky	8373
Bokmål, Norwegian	7866	Korean	7579	Slovenian	8376
Bosanski	6683	Kuanyama; Kwanyama	7574	Somali	8379
Brezhoneg	6682	Kurdish	7585	Sotho; Southern	8384
Bulgarian	6671	Lao	7679	South Ndebele	7882
Burmese	7789	Latina	7665	Sundanese	8385
Castellano, Español	6983	Latvian	7686	Suomi	7073
Catalán	6765	Letzeburgesch;	7666	Swahili	8387
Chamorro	6772	Limborgan; Limburger	7673	Swati	8383
Chechen	6769	Lingala	7678	Svenska	8386
Chewa; Chichewa; Nyanja	7889	Lithuanian	7684	Tagalog	8476
中文	9072	Luxembourgish;	7666	Tahitian	8489
Chuang; Zhuang	9065	Macedonian	7775	Tajik	8471
Church Slavic; Slavonic	6785	Malagasy	7771	Tamil	8465
Chuvash	6786	Magyar	7285	Tatar	8484
Corsican	6779	Malayalam	7776	Telugu	8469
Česky	6783	Maltese	7784	Thai	8472
Dansk	6865	Manx	7186	Tibetan	6679
Deutsch	6869	Maori	7773	Tigrinya	8473
Dzongkha	6890	Marathi	7782	Tonga (Tonga Islands)	8479
English	6978	Marshallese	7772	Tsonga	8483
Esperanto	6979	Moldavian	7779	Tswana	8478
Estonian	6984	Mongolian	7778	Türkçe	8482
Euskara	6985	Nauru	7865	Turkmen	8475
Ελληνικά	6976	Navaho; Navajo	7886	Twi	8487
Faroese	7079	Ndebele, North	7868	Uighur	8571
Français	7082	Ndebele, South	7882	Ukrainian	8575
Frysk	7089	Ndonga	7871	Urdu	8582
Fijian	7074	Nederlands	7876	Uzbek	8590
Gaelic; Scottish Gaelic	7168	Nepali	7869	Vietnamese	8673
Galleghan	7176	Norsk	7879	Volapuk	8679
Georgian	7565	Northern Sami	8369	Walloon	8765
Gikuyu; Kikuyu	7573	North Ndebele	7868	Welsh	6789
Guarani	7178	Norwegian Nynorsk;	7878	Wolof	8779
Gujarati	7185	Occitan; Provençal	7967	Xhosa	8872
Hausa	7265	Old Bulgarian; Old Slavonic	6785	Yiddish	8973
Herero	7290	Oriya	7982	Yoruba	8979
Hindi	7273	Oromo	7977	Zulu	9085
Hiri Motu	7279	Ossetian; Ossetic	7983		
Hrwatiski	6779	Pali	8073		
Ido	7379	Panjabi	8065		
Interlingua (International)	7365	Persian	7065		
Interlingue	7365	Polски	8076		
Inuktitut	7385	Português	8084		

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Instructions to obtain source code for this software can be found in the user manual, or in the supplied safety leaflet (if available).

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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# 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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```
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```

```
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```

```
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```

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```
<signature of Ty Coon>, 1 April 1989
```

```
Ty Coon, President of Vice
```

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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5. IJG: JPEG software decoder

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