



EN User Manual

FR Manuel d'Utilisation

ES Manual del Usuario

EN: For further assistance, call the customer support service in your country.

- To obtain assistance in the U.S.A., Canada, Puerto Rico, or the U.S. Virgin Islands, contact Philips Customer Care Center at 1-866-309-0866
- To obtain assistance in Mexico, contact Philips Customer Care Center at 01 800 504 62 00

FR: Pour obtenir de l'aide supplémentaire, communiquez avec le centre de service à la clientèle de votre pays.

- Pour obtenir de l'aide aux États-Unis, au Canada, à Puerto Rico ou aux Îles Vierges américaines, communiquez avec le centre de service à la clientèle Philips au : 1-866-309-0866
- Pour obtenir l'aide au Mexique, entrez en contact avec le centre de soin de client de Philips à 01 800 504 62 00

ES: Para obtener más información, llame al servicio de soporte al cliente de su país.

- Para obtener asistencia en los Estados Unidos, en Canadá, Puerto Rico o en las Islas Vírgenes de los Estados Unidos, comuníquese con Centro de atención al cliente de Philips al 1-866-309-0866
- Solo para México CENTRO DE ATENCIÓN A CLIENTES LADA. 01 800 504 62 00 Solo Para México.

Lea este manual antes de usar el product.

PHILIPS

1. INTRODUCTION

1.1. Safety Instructions

Return your Product Registration Card or register online at www.philips.com/support today to get the very most from your purchase.

Registering your model with Philips makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once, **or register online at www.philips.com/support** to ensure:

*Product Safety Notification

By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear Philips product owner:

Thank you for your confidence in Philips. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the Philips "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

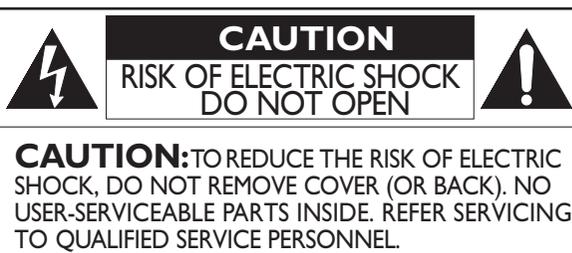
Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a Philips product.

P.S. To get the most from your Philips purchase, be sure to complete and return your Product Registration Card at once, or register online at:

www.philips.com/support

Know these **safety** symbols



This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.



The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de correspondante de la prise et pousser jusqu'au fond.



The symbol for CLASS II (Double Insulation)

The important note and rating are located on the rear or bottom of the cabinet.

For Customer Use

Please write the model and serial number of your unit (located on the cabinet) in the space below for future reference.

Model No. _____

Serial No. _____

Visit our World Wide Web Site at <http://www.philips.com/support>

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.
This transmitter must be co-located or operated in conjunction with any other antenna or transmitter.

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

Disconnect the mains plug to shut off when find trouble or not in use. The mains plug shall remain readily operable.

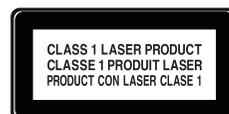
CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

WARNING: Batteries (Battery pack or battery installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

LASER SAFETY

This apparatus is classified as a CLASS 1 LASER PRODUCT. This apparatus employs a laser. Only a qualified service person should remove the cover or attempt to service this apparatus, due to possible eye injury.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



IMPORTANT COPYRIGHT INFORMATION

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.

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.

Do not place the unit on the furniture that is capable of being tilted by a child and an adult leaning, pulling, standing or climbing on it. A falling unit can cause serious injury or even death.

This apparatus should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. Make sure to leave a space of 3.9 inches (10cm) or more around this apparatus.

To Avoid the Hazards of Electrical Shock and Fire

- Do not handle the AC power cord with wet hands.
- Do not pull on the AC power cord when disconnecting it from an AC outlet. Grasp it by the plug.
- Do not put your fingers or objects into the unit.

Location and Handling

- Do not install the unit in direct sunlight, near strong magnetic fields, or in a place subject to dust or strong vibration.
- Avoid a place with drastic temperature changes.
- Install the unit in a horizontal and stable position. Do not place anything directly on top or bottom of the unit. Depending on your external devices, noise or disturbance in the picture and/or sound may be generated if the unit is placed too close to them. In this case, please ensure enough space between the external devices and the unit.
- Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.
- Be sure to remove the disc and unplug the AC power cord from the outlet before carrying the unit.

Dew Condensation Warning

- Dew condensation may form inside the unit in the following conditions. If so, do not use this unit at least for a few hours until its inside gets dry.
 - The unit is moved from a cold place to a warm place.
 - Under conditions of high humidity.
 - After heating a cold room.

Notice for Progressive Scan Output

- Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of picture problems with 525(480) progressive scan output, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding your TV set compatibility with this 525p(480p) Blu-ray Disc™/DVD player, please contact our customer service center.



ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.

1.2. Maintenance

■ Servicing

- Please refer to relevant topics on "TROUBLESHOOTING" on page 51 before returning the product.
- If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is displayed on the back of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representatives will be happy to assist you. For online reference, please visit our website at www.philips.com/support

■ Cleaning the Cabinet

- Wipe the front panel and other exterior surfaces of the unit with a soft cloth.
- Never use a solvent, thinner, benzene or alcohol to clean the unit. Do not spray insecticide liquid near the unit. Such chemicals may discolor the surface or damage the unit.

■ Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center to outside. Do not wipe in a circular motion.
- Do not use solvents such as benzene, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for analog records.

■ Cleaning the Disc Lens

- If this unit still does not perform properly although you refer to the relevant sections and to “TROUBLESHOOTING” in this user manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

■ Disc Handling

- Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.
- Always store the disc in its protective case when it is not used.
- Note that discs with special shapes (heart-shaped discs, octagonal discs, etc.) cannot be played back on this unit. Do not attempt to play such discs, as they may damage the unit.

■ Testing the Remote Control

- If the remote control is not working properly, you can use a digital camera (including a cellular phone with built-in camera) to see if it is sending out an infrared signal.

How to perform the test?



1. Point the IR transmitter of the remote control towards the lens of the digital camera (or cell phone camera).
2. Turn on the digital camera and look at the IR transmitter of the remote control through the LCD display of the digital camera.
3. While looking at the LCD, press the buttons on your remote control you want to test.
 - a. If your remote control is working properly, the IR transmitter of the remote control will create a noticeable flash on the LCD of the digital camera.
 - b. If it does not flash, replace the batteries in your remote with new batteries and try again. If it still does not flash, your remote control may be damaged or defective. Please contact customer service for replacement options.

1.3. Notice

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners. P&F USA reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly. The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. P&F USA warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied. P&F USA cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported to P&F USA will be adapted and published on the P&F USA support website as soon as possible.

■ Warranty

No components are user serviceable. Do not open or remove covers to the inside of the product. Repairs may only be done by Service Centers and official repair shops. Failure to do so shall void any warranty, stated or implied. Any operation expressly prohibited in this manual, any adjustments, or assembly procedures not recommended or authorized in this manual shall void the warranty.

1.4. Important

Registering your model with Philips makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once, or register online at www.philips.com/support to ensure :

Product Safety Notification

By registering your product you receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

Additional Benefits of Product Ownership

Registering your product guarantees that you receive all of the privileges to which you're entitled, including special money-saving offers.

For further assistance

For further assistance, call the customer support service in your country.

- To obtain assistance in the U.S.A., Canada, Puerto Rico, or the U.S. Virgin Islands, contact Philips Customer Care Center at 1-866-309-0866

■ Environmental Care



The packaging of this product is intended to be recycled. Contact your local authorities for information about how to recycle the packaging.

For Product recycling information, please visit - www.recycle.philips.com

End of life directives



Philips pays a lot of attention to produce environment-friendly products in green focal areas. Your new Blu-ray Disc™ Player contains materials which can be recycled and reused. At the end of its life, specialized companies can dismantle the discarded Blu-ray Disc™ Player to concentrate the reusable materials and to minimize the amount of materials to be disposed of. Please ensure you dispose of your old Blu-ray Disc™ Player according to local regulations.

Disposal of used batteries

The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless, in many areas batteries may not be disposed of with your household waste. Please ensure you dispose of batteries according to local regulations.

1.5. Supplied Accessories

- Remote Control
- Batteries (AAA, 1.5V x 2)
- User Manual
- Quick Start Guide
- Registration card
- Box-inserts
- Audio / video cables

1.6. Trademark Information



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



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; 7,392,195; 7,272,567; 7,333,929; 7,212,872 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks, & DTS-HD, DTS-HD Master Audio | Essential and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.



HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

x.v.Color

"x.v.Color" and "x.v.Color" logo are trademarks of Sony Corporation.



Java and all Java based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.



Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.



“AVCHD” and the “AVCHD” logo are trademarks of Panasonic Corporation and Sony Corporation.



“BONUSVIEW™” and “BONUSVIEW™” logo are trademarks of the Blu-ray Disc Association.



“BD-Live™” and “BD-Live™” logo are trademarks of the Blu-ray Disc Association.



Netflix and the Netflix logo are trademarks or registered trademarks of Netflix, Inc.



Film Fresh and the Film Fresh logo are registered trademarks of Film Fresh Inc.



BLOCKBUSTER name, design and related marks are trademarks of Blockbuster Inc.



VUDU™ is a trademark of VUDU, Inc.



Pandora is a registered trademark of Pandora Media, Inc.



“Blu-ray 3D™” and “Blu-ray 3D™” logo are trademarks of the Blu-ray Disc Association.



“Blu-ray Disc™”, “Blu-ray™” and “Blu-ray Disc™” logo are trademarks of the Blu-ray Disc Association.

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



Kodak and KODAK Picture CD Compatible are trademarks of Kodak used under license.



The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.



CONTENTS

INTRODUCTION.....	2
Safety Instructions.....	2
Maintenance	4
Notice.....	5
Important.....	5
Supplied Accessories.....	6
Trademark Information.....	6

FEATURES	9
Features.....	9
Version Info.....	10
Symbols Used in this User Manual.....	10

FUNCTIONAL OVERVIEW.....	11
Front Panel.....	11
Rear Panel.....	11
Remote Control.....	12
Display Panel.....	14
Guide to On-Screen Display.....	14

CONNECTIONS.....	15
HDMI Video / Audio Connection.....	15
Standard Video + Standard Audio Connection	15
Connection to an Audio System.....	16
Connection to the Network.....	20

BEFORE YOU START	22
Finding the Viewing Channel / Source on Your TV	22
Initial Setup.....	22

INFORMATION ON PLAYBACK.....	23
Information on Playback.....	23
Guide to File List.....	25
How to Insert a Disc	26

BASIC PLAYBACK	26
Playing Back a Disc	26
Playing Back a Blu-ray 3D™ Disc.....	28
Playing Back Contents on a USB Storage Device....	29
Using the Title / Disc / Pop-up Menu.....	29

SPECIAL PLAYBACK.....	30
Fast Forward / Fast Reverse	30
Slow Forward Playback	30
Step by Step Playback	30
Repeat Playback	30
Slide Show	31
PiP (BONUSVIEW™) Setting.....	31
Enjoying BD-Live™ Discs Using the Internet.....	31
Title / Chapter Search.....	32
Track Search.....	33
Time Search.....	33
Switching Subtitles.....	33
Switching Audio Soundtrack.....	34
Switching Camera Angles	34
Black Level.....	35
Noise Reduction.....	35
Virtual Surround	35
Philips Wireless MediaConnect	36

NETWORK SERVICES.....	37
Before Using Network Services.....	37
Information on Network Services.....	37

PANDORA OPERATIONS.....	37
Activating Pandora	37
Adding Pandora User Accounts.....	37
Creating a New Station.....	38
Guide to the Player Screen.....	38

LIST OF SETTINGS.....	39
-----------------------	----

SETUPS.....	42
TV Display.....	42
HDMI Video.....	42
Network Installation.....	43
EasyLink Setup.....	48
Parental Control	48
Software Update.....	49
Restore Default Settings.....	50

TROUBLESHOOTING.....	51
Downloading an Electronic Copy.....	54
Contact Us.....	54

GLOSSARY	55
----------------	----

LANGUAGE CODE LIST.....	58
-------------------------	----

SPECIFICATIONS	59
----------------------	----

IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D TELEVISIONS.....	60
--------------------------------------------------------------------	----

ONE (1) YEAR LIMITED WARRANTY.....	61
------------------------------------	----

LICENSE.....	end of book
--------------	-------------

2. FEATURES

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

2.1. Features

Blu-ray Disc™

You can enjoy Blu-ray Disc™ which is capable of storing five times more data than a conventional DVD.

Playing back Blu-ray 3D™ Disc

This unit can play back Blu-ray 3D™ discs which contain stereoscopic 3D video. In order to enjoy 3D video, connect this unit to a 3D capable TV using a 3D compatible HDMI cable.

BD-Java

With some Blu-ray™ discs which contain Java applications, you can enjoy interactive functions such as games or interactive menus.

DVD upscaling for enhanced picture quality

Your current DVD will look even better than before thanks to video upscaling. Upscaling will increase the resolution of standard definition DVD to high definition up to 1080p over an HDMI connection. The picture will be less jagged and more realistic for a near high definition experience.

Enjoy your content on different kinds of media

Full backwards compatibility with DVD, CD and USB storage device ensures that you can continue to enjoy your current audio-video collection. Additionally, you can enjoy AVCHD / MP3 / WMA / JPEG files.

Listen to rich multi-channel surround sound

Multi-channel surround sound, which realizes real-to-life sound and makes you feel that you are really there.

Intuitive user interface and remote control

The Philips logical user interface allows you to easily navigate through your content and settings, so you can quickly find what you are looking for.

Easy and simple connection to your HDTV via HDMI

Connect your BDP5506 to your HDTV with one single HDMI (High-Definition Multimedia Interface) cable. Philips recommends High Speed HDMI cable for better compatibility. The high definition video output signal will be transferred to your HDTV without conversion to analog signals, so you will get excellent picture and sound quality, completely free from noise. Thanks to other multiple outputs, you can also easily connect to your home theater system or amplifier.

About EasyLink (HDMI CEC) (Consumer Electronics Control)

EasyLink allows you to operate the linked functions of this player with Philips brand TV with EasyLink feature. *Philips does not guarantee 100 % interoperability with other brands of HDMI CEC compliant devices.*

PiP (BONUSVIEW™)

Some BD-videos have the PiP function which enables you to display the secondary video in the primary video. You can call up the secondary video by pressing **[BONUSVIEW (PiP)]** whenever the scene contains a secondary video.

BD-Live™

BD-Live™ (BD-ROM version 2 Profile 2.0) that allows interactive functions to be used when this unit is connected to the Internet in addition to the BONUSVIEW™ function. The various functions differ depending on the disc.

Pop-up menu

Some BD-videos have a pop-up menu which is a navigation menu that can be called up and be operated on the TV screen without interrupting playback. You can call up the pop-up menu by pressing **[DISC MENU / POP-UP MENU]**. Contents in the pop-up menu vary depending on the disc.

HDMI Deep Color

Deep Color reduces posterization (color banding) effect of the playback image. Refer to “HDMI Deep Color” on page 39.

HDMI 1080p/24 output (Blu-ray Disc™ only)

This unit is equipped with the feature which can provide smooth movement during playback of film originated material with the frame rate of 24 frames per second with progressive. (Available only when the display device is connected by an HDMI cable.) Refer to “HDMI Video” on page 42.

Playing back contents on a USB storage device

You can play back MP3 / WMA / JPEG files stored in a USB storage device. BD-ROM Profile 2.0 (BD-Live™) and Profile 1.1 discs sometimes store picture-in-picture commentary, subtitles or other extras in the USB storage device for use during playback with the BD-video.

Playing back AVCHD files

This unit supports playback of AVCHD format files (new format for high definition video camcorders) recorded on disc. Your high definition personal archive is playable in HD quality.

x.v.Color

This unit supports playback of video contents on discs recorded with “x.v.Color” technology. To watch this video content with the “x.v.Color” space, a TV or other display device supporting both video image reproduction using “x.v.Color” standard and capability of manual switching of its color space setting is required. Please refer to the user manual of your display device for further information.

Netflix

With this unit, you can enjoy movies and TV episodes streamed instantly from Netflix via the Internet. In order to use this feature, you must visit netflix.com/Philips on your PC and become a Netflix member. (This feature is available only in the United States.)

Film Fresh / Blockbuster

With this unit, you can enjoy movies and TV episodes streamed instantly from Film Fresh / Blockbuster via the Internet. In order to use this feature, you must visit following website on your PC and become a Film Fresh / Blockbuster member. (This feature is available only in the United States.)

- Film Fresh : filmfresh.roxionow.com/Login
- Blockbuster : www.blockbuster.com/auth/login

VUDU

This unit supports VUDU which is the leading HD on-demand video service. With VUDU, you can also enjoy various kinds of Internet applications. In order to use this feature, you must connect this unit to the Internet. For complete instructions on using VUDU service, please visit www.vudu.com/docs to view an updated in-depth online manual.

(This feature is available only in the United States.)

Pandora

This unit supports Pandora Internet radio service. You can instantly listen to personalized radio stations streamed over the Internet from Pandora.

(This feature is available only in the United States.)

2.2. Version Info

“Version Info” screen provides information about this unit’s software version.

You can also download the latest software from the Philips website and update it yourself if it is newer than the version currently on your unit. The current version of software on your unit can be seen on the “Version Info” screen.

To access “Version Info”, follow the procedure below.

1. Press [**▲ (home)**].
2. Use [**▲ / ▼ / ◀ / ▶**] to select “Setup”, then press [**OK**].
3. Use [**▲ / ▼**] to select “Advanced Setup”, then press [**OK**].
4. Use [**▲ / ▼**] to select “Version Info”, then press [**OK**].

2.3. Symbols Used in this User Manual

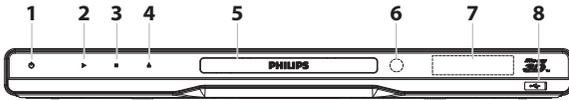
To specify which media type each function is applicable to, we put the following symbols at the beginning of each item to operate.

Symbol	Description
	Description refers to BD-video
	Description refers to DVD-video
	Description refers to audio CD / DTS-CD
	Description refers to DVD-RW/-R with AVCHD files
	Description refers to BD-RE/-R, DVD-RW/-R, CD-RW/-R and USB storage device with MP3 files
	Description refers to BD-RE/-R, DVD-RW/-R, CD-RW/-R and USB storage device with Windows Media™ Audio files
	Description refers to BD-RE/-R, DVD-RW/-R, CD-RW/-R and USB storage device with JPEG files

If you do not find any of the symbols listed above under the function heading, the operation is applicable to all media.

3. FUNCTIONAL OVERVIEW

3.1. Front Panel



1. (standby/on) button

- Touch to turn on the unit, or to switch the unit into standby mode. (To completely turn off the unit, you must unplug the AC power cord.)
- Touch and hold for 10 seconds to shut down the unit.

2. (play) button

- Touch to start or resume playback.

3. (stop) button

- Touch to stop playback.

4. (open/close) button

- Touch to open or close the disc tray.

5. Disc tray

- Place a disc after opening the disc tray.

6. Infrared sensor window

- Receives signals from your remote control so that you can control the unit from a distance.

7. Display panel

- Refer to “Display Panel” on page 14.

8. USB input

- Connect a USB storage device or USB card reader.

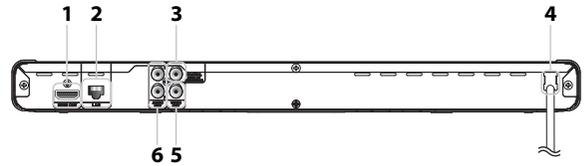
Caution

- Do not connect any device other than USB storage device or USB card reader into USB input. (e.g. PC, external HDD, MP3 player, digital camera, keyboard, mouse, etc.)
- Do not use an extension cord or USB hub to connect devices to this unit. Always connect one single USB storage device or USB card reader into USB input directly.

Note

- Due to new ENERGY STAR® requirements, this unit will automatically enter standby mode after 25 minutes of inactivity.

3.2. Rear Panel



1. HDMI OUT jack

- Use to connect to a display with an HDMI compatible port with an HDMI cable.

2. LAN terminal

- Use to connect to network provisioning equipment such as a router or a modem with a LAN cable.

3. DIGITAL OUT (COAXIAL) jack

- Use to connect an AV receiver / amplifier, Dolby Digital / DTS decoder or to another device with a digital audio coaxial input jack with a digital audio coaxial cable.

4. AC power cord

- Connect to a standard AC outlet to supply power to this unit.
- Unplug this cord from the AC outlet to completely turn off the unit.

5. VIDEO OUT jack

- Use to connect a TV monitor, an AV receiver / amplifier or to another device with a video cable.

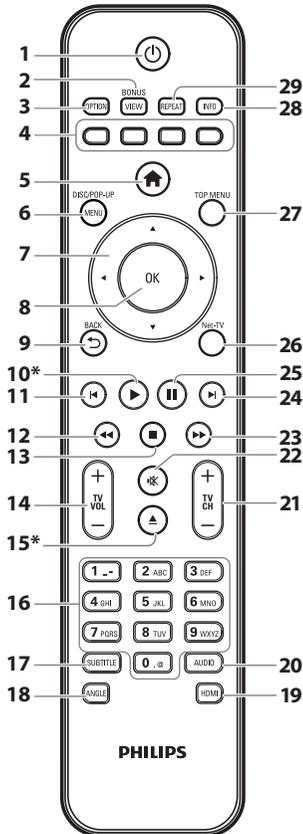
6. AUDIO OUT jacks

- Use to connect a TV monitor, an AV receiver / amplifier or to another device with an audio cable.

Caution

- Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.
- This unit does not have an RF modulator.

3.3. Remote Control



* The unit can also be turned on by pressing these buttons.

1. **⏻ (standby/on) button**
 - Press to turn on the unit, or to switch the unit into standby mode. (To completely turn off the unit, you must unplug the AC power cord.)
2. **BONUSVIEW (PiP) button**
 - Press to switch picture in picture feature on/off (only applicable to BD-video which supports the PiP (BONUSVIEW™) function).
3. **OPTION button**
 - During playback, press to display the play menu.
4. **Red / Green / Blue / Yellow buttons**
 - Press to activate shortcut keys on some BD-video functions.
 - When file list is shown, press to switch between pages.
5. **🏠 (home) button**
 - Press to display the home menu.

6. DISC MENU / POP-UP MENU button

Blu-ray Disc™:

- Press to display the pop-up menu.

DVD:

- Press to display the disc menu.

7. ▲ / ▼ / ◀ / ▶ buttons

- Press to select items or settings.

8. OK button

- Press to confirm or select menu items.

9. BACK ↶ button

- Press to return to the previously displayed menu or screen function.

10. ▶ (play) button*

- Press to start playback or resume playback.

11. ◀ (previous) button

- During playback, press once to return to the beginning of the current title, chapter, track or file.
- During playback, press twice to return to the previous title, chapter, track or file.
- During the JPEG playback, press to return to the previous file.

12. ◀◀ (reverse) button

- During playback, press to fast reverse the playback.

13. ■ (stop) button

- Press to stop playback.

14. TV VOL + / - button

- Press to adjust the TV volume (only applicable to the Philips brand TV).

15. ▲ (open/close) button*

- Press to open or close the disc tray.

16. Number buttons

- Press to select a chapter during playback.
- Press to enter numbers and letters in the input field.

17. SUBTITLE button

- Press to select subtitles on a disc.

18. ANGLE button

- Press to select camera angles on a disc.

19. HDMI button

- Press to set the HDMI output mode.

20. AUDIO button

- Press to select the audio channel (such as audio languages) on a disc.

21. TV CH + / - button

- Press to change the channel up and down (only applicable to the Philips brand TV).

22.  (mute) button

- Press to mute the TV volume (only applicable to the Philips brand TV).

23.  (forward) button

- During playback, press to fast forward the playback.
- When playback is in pause, press to slow forward the playback.

24.  (next) button

- During playback, press to skip to the next chapter, track or file.
- When playback is in pause mode, press to forward the playback picture by picture.

25.  (pause) button

- Press to pause playback.

26. Net-TV button

- Press to display the network media mode menu.

27. TOP MENU button**Blu-ray Disc™:**

- Press to display the top menu.

DVD:

- Press to display the title menu.

28. INFO button

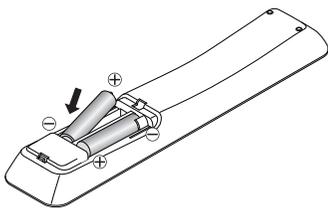
- Press to display the information display.

29. REPEAT button

- Press to select repeat mode.

■ Installing the Batteries in the Remote Control

Install 2 AAA (1.5V) batteries matching the polarity indicated inside battery compartment of the remote control.

**⚠ Caution**

Incorrect use of batteries can result in hazards such as leakage and bursting. Please observe the following:

- Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.
- Do not mix new and old batteries together.
- Do not use different kinds of batteries together. Although they may look similar, different batteries may have different voltages.
- Make sure that the + and - ends of each battery match the indications in the battery compartment.
- Remove batteries from battery compartment, when the remote is not going to be used for a month or more.
- When disposing of used batteries, please comply with governmental regulations or environmental public rules that apply in your country or area.
- Do not recharge, short-circuit, heat, burn or disassemble batteries.

■ Using the Remote Control

Remote Control Usage Guidelines:

- Make sure that there are no obstacles between the remote control and the infrared sensor window on the unit.
- Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the infrared sensor window of the unit.
- Remote controls of different devices can interfere with each other. Avoid using a remote control from another device which is located close to the unit.
- Replace the batteries when you notice a fall-off in the operating range of the remote control.
- The maximum operable ranges from the unit are as follows.

- Line of sight:

approx. 23 feet (7 m)

- Either side of the center:

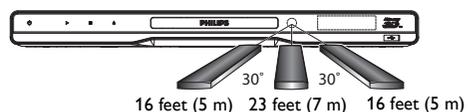
approx. 16 feet (5 m) within 30°

- Above:

approx. 16 feet (5 m) within 15°

- Below:

approx. 10 feet (3 m) within 30°



3.4. Display Panel

Display panel shows playback status or information (e.g. elapsed playing time, repeat type, menu type, etc.).



* Brightness of the display can be adjusted. Refer to “Display Panel” in “LIST OF SETTINGS” on page 41.

e.g.)



Indicating the elapsed time of playback.



Current chapter is in chapter repeat mode during playback of disc.



Loading a disc, USB storage device or USB card reader.



Home menu is displayed.

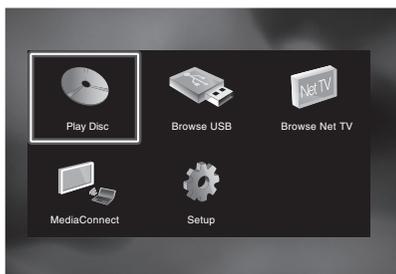


Network media mode menu is displayed.

3.5. Guide to On-Screen Display

■ Home Menu

When you turn on the unit, home menu will appear automatically. Otherwise, press [**⏠ (home)**].



“**Play Disc**” : Initiates playback of inserted disc, displays a list of tracks / files or the media filter menu

“**Browse USB**” : Displays a list of tracks / files on the connected USB storage device or the media filter menu

“**Browse Net TV**” : To access the menu of network services

“**MediaConnect**” : To access the Philips Wireless MediaConnect menu

“**Setup**” : To access setup menu

■ Setup Menu



1. Category

2. Menus / Options :

Displays options for the highlighted item on the left whenever available

■ Play Menu

During playback, press [**OPTION**] to display the play menu.

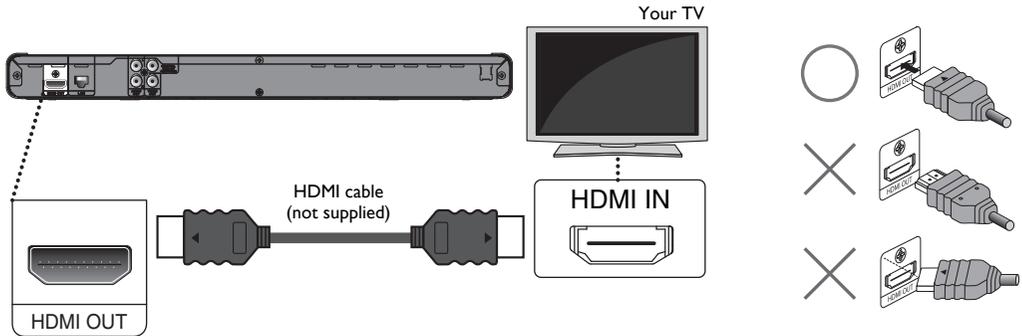
e.g.) Blu-ray Disc™



4. CONNECTIONS

4.1. HDMI Video / Audio Connection

(Supports up to 1080i(*1), 1080p(*2), 1080p/24 resolution.)



No analog audio connection required.

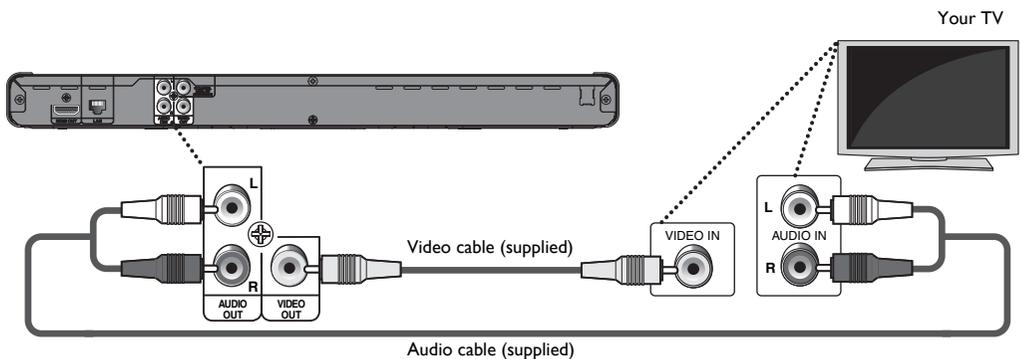
(*1) 1080i : Outputs video data with a frame rate of 30 frames per second.

(*2) 1080p : Outputs video data with a frame rate of 60 frames per second.

- Do not tilt the connector when inserting it into the HDMI jack, and make sure the shapes of the jack and the connector are matched.
- When connected to an HDCP incompatible display device, the picture will not be displayed properly.
- Use an HDMI cable with the HDMI logo (a certified HDMI cable) for this connection. High Speed HDMI cable (also known as HDMI category 2 cable) is recommended for better compatibility.
- To enjoy Blu-ray 3D™ video, connect this unit to a 3D capable TV using a 3D compatible HDMI cable.

4.2. Standard Video + Standard Audio Connection

(Supports only 480i resolution.)

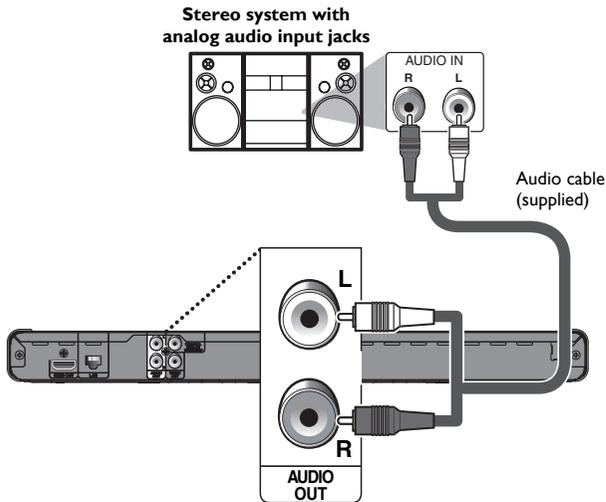


- Connect this unit directly to the TV. If the audio / video cables are connected to a VCR then the pictures may be distorted due to the copyright protection system.

4.3. Connection to an Audio System

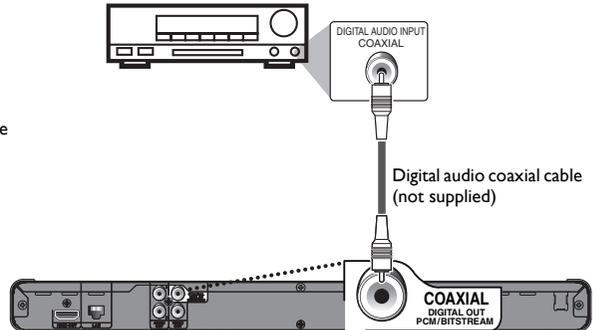
- When you change the connections, all devices should be turned off.
- When making connections with external devices, please refer to their user manuals for additional setup help.

■ 2-Channel Analog Audio Connection



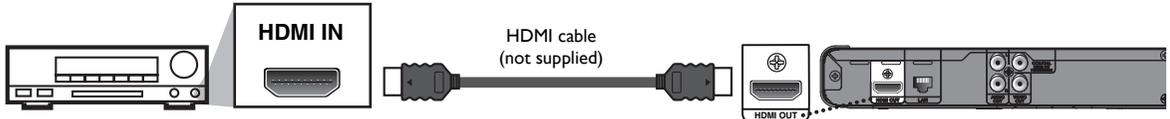
■ Digital Audio Connection

AV receiver / amplifier with a digital audio coaxial input jack



■ HDMI Audio Connection

AV receiver / amplifier with an HDMI input jack



■ Audio Output from AUDIO OUT jacks

Media ↓	“Blu-ray Disc Audio” setting → Audio Source ↓	“Primary Audio Only”	“Mix Audio Output”
BD-video	Dolby Digital	DownMix 2ch LPCM	DownMix 2ch LPCM
	Dolby Digital Plus	DownMix 2ch LPCM ^{*1}	DownMix 2ch LPCM ^{*2}
	Dolby TrueHD	DownMix 2ch LPCM ^{*3}	DownMix 2ch LPCM ^{*4}
	DTS [®]	DownMix 2ch LPCM	DownMix 2ch LPCM
	DTS-HD [®]	DownMix 2ch LPCM ^{*1}	DownMix 2ch LPCM ^{*5}
	LPCM	DownMix 2ch LPCM	DownMix 2ch LPCM
DVD-video	Dolby Digital	DownMix 2ch LPCM	
	DTS [®]	DownMix 2ch LPCM	
	LPCM	2ch LPCM	
DTS-CD	DTS [®]	DownMix 2ch LPCM	
AVCHD	Dolby Digital	DownMix 2ch LPCM	
	LPCM	DownMix 2ch LPCM	
Audio CD	LPCM	2ch LPCM	
MP3	MP3	2ch LPCM	
Windows Media™ Audio	WMA	2ch LPCM	
Netflix	WMA	2ch LPCM	
Film Fresh	AAC	2ch LPCM	
Blockbuster	AAC	2ch LPCM	
VUDU	Dolby Digital Plus	DownMix 2ch LPCM ^{*1}	
	MP3	2ch LPCM	
Pandora	MP3	2ch LPCM	

- *1) Fully decoded.
- *2) Only the independent substream is decoded.
- *3) Dolby TrueHD stream is decoded.
- *4) Only the Dolby Digital substream is decoded.
- *5) Only the core substream is decoded.

■ Audio Output from DIGITAL OUT (COAXIAL) jack

	"Digital Audio" setting →	"Bitstream"		"LPCM"	
	"Blu-ray Disc Audio" setting →	"Primary Audio Only"	"Mix Audio Output"	"Primary Audio Only"	"Mix Audio Output"
Media ↓	Audio Source ↓				
BD-video	Dolby Digital	Dolby Digital		DownMix 2ch LPCM	
	Dolby Digital Plus	Dolby Digital		DownMix 2ch LPCM ^{*1}	DownMix 2ch LPCM ^{*2}
	Dolby TrueHD	Dolby Digital		DownMix 2ch LPCM ^{*3}	DownMix 2ch LPCM ^{*4}
	DTS®	DTS®		DownMix 2ch LPCM	
	DTS-HD®	DTS®		DownMix 2ch LPCM ^{*1}	DownMix 2ch LPCM ^{*5}
	LPCM	DownMix 2ch LPCM		DownMix 2ch LPCM	
DVD-video	Dolby Digital	Dolby Digital		DownMix 2ch LPCM	
	DTS®	DTS®		DownMix 2ch LPCM	
	LPCM	2ch LPCM		2ch LPCM	
DTS-CD	DTS®	DTS®		DownMix 2ch LPCM	
AVCHD	Dolby Digital	Dolby Digital		DownMix 2ch LPCM	
	LPCM	DownMix 2ch LPCM		DownMix 2ch LPCM	
Audio CD	LPCM	2ch LPCM		2ch LPCM	
MP3	MP3	2ch LPCM		2ch LPCM	
Windows Media™ Audio	WMA	2ch LPCM		2ch LPCM	
Netflix	WMA	2ch LPCM		2ch LPCM	
Film Fresh	AAC	2ch AAC		2ch LPCM	
Blockbuster	AAC	2ch AAC		2ch LPCM	
VUDU	Dolby Digital Plus	Dolby Digital		DownMix 2ch LPCM ^{*1}	
	MP3	2ch LPCM		2ch LPCM	
Pandora	MP3	2ch LPCM		2ch LPCM	

*1) Fully decoded.

*2) Only the independent substream is decoded.

*3) Dolby TrueHD stream is decoded.

*4) Only the Dolby Digital substream is decoded.

*5) Only the core substream is decoded.

⊖ **Note**

- When playing back a BD-video which only contains the primary audio, the audio output will be the same case as "Primary Audio Only" even if "Blu-ray Disc Audio" is set to "Mix Audio Output".
- If the connected device is not compatible with AAC, audio will be output as LPCM depending on the capability of the connected device.

■ Audio Output from HDMI OUT jack

	“HDMI Audio” setting →	“Bitstream”		“LPCM”		“Off”
	“Blu-ray Disc Audio” setting →	“Primary Audio Only”	“Mix Audio Output”	“Primary Audio Only”	“Mix Audio Output”	Regardless
Media ↓	Audio Source ↓	Which audio format can be output depends on the compatibility of the connected device.				
BD-video	Dolby Digital	Dolby Digital		Multi LPCM		Mute
	Dolby Digital Plus	Dolby Digital Plus	Dolby Digital	Multi LPCM ^{*1}	Multi LPCM ^{*2}	Mute
	Dolby TrueHD	Dolby TrueHD	Dolby Digital	Multi LPCM ^{*3}	Multi LPCM ^{*4}	Mute
	DTS®	DTS®		Multi LPCM		Mute
	DTS-HD®	DTS-HD®	DTS®	Multi LPCM ^{*1}	Multi LPCM ^{*5}	Mute
	LPCM	Multi LPCM		Multi LPCM		Mute
DVD-video	Dolby Digital	Dolby Digital		Multi LPCM		Mute
	DTS®	DTS®		Multi LPCM		Mute
	LPCM	2ch LPCM		2ch LPCM		Mute
DTS-CD	DTS®	DTS®		Multi LPCM		Mute
AVCHD	Dolby Digital	Dolby Digital		Multi LPCM		Mute
	LPCM	Multi LPCM		Multi LPCM		Mute
Audio CD	LPCM	2ch LPCM		2ch LPCM		Mute
MP3	MP3	2ch LPCM		2ch LPCM		Mute
Windows Media™ Audio	WMA	2ch LPCM		2ch LPCM		Mute
Netflix	WMA	2ch LPCM		2ch LPCM		Mute
Film Fresh	AAC	2ch AAC		2ch LPCM		Mute
Blockbuster	AAC	2ch AAC		2ch LPCM		Mute
VUDU	Dolby Digital Plus	Dolby Digital Plus		Multi LPCM ^{*1}		Mute
	MP3	2ch LPCM		2ch LPCM		Mute
Pandora	MP3	2ch LPCM		2ch LPCM		Mute

*1) Fully decoded.

*2) Only the independent substream is decoded.

*3) Dolby TrueHD stream is decoded.

*4) Only the Dolby Digital substream is decoded.

*5) Only the core substream is decoded.

⊖ **Note**

- If the connected device is not compatible with HDMI BITSTREAM, audio will be output as multi LPCM or 2-channel down-mixed LPCM depending on the capability of the connected device even if you select “Bitstream” in “HDMI Audio” setting.
- If the connected device is not compatible with AAC, audio will be output as LPCM depending on the capability of the connected device.
- When playing back a BD-video which only contains the primary audio, the audio output will be the same case as “Primary Audio Only” even if “Blu-ray Disc Audio” is set to “Mix Audio Output”.

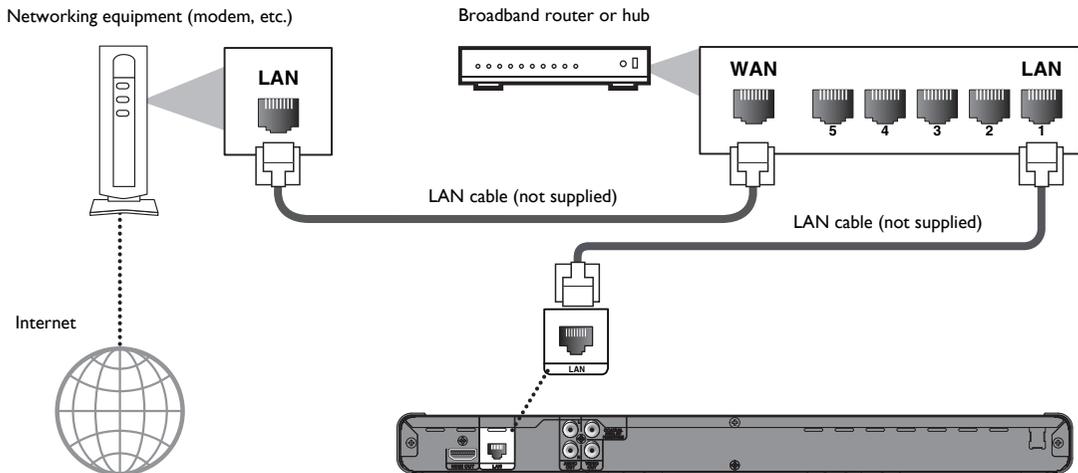
4.4. Connection to the Network

By connecting this unit to the Internet, you can update the software via the Internet or access BD-Live™, Netflix, Film Fresh, Blockbuster, VUDU and Pandora services.

ⓘ Note

- For a stable connection, wired connection is recommended when using following features. (Using following features with Wi-Fi connection can be affected by other devices using radio frequencies.)
 - Video streaming services (Netflix / Film Fresh / Blockbuster / VUDU)
 - Listening to Internet radio (Pandora)
 - Network update

■ Wired Connection



⚠ Caution

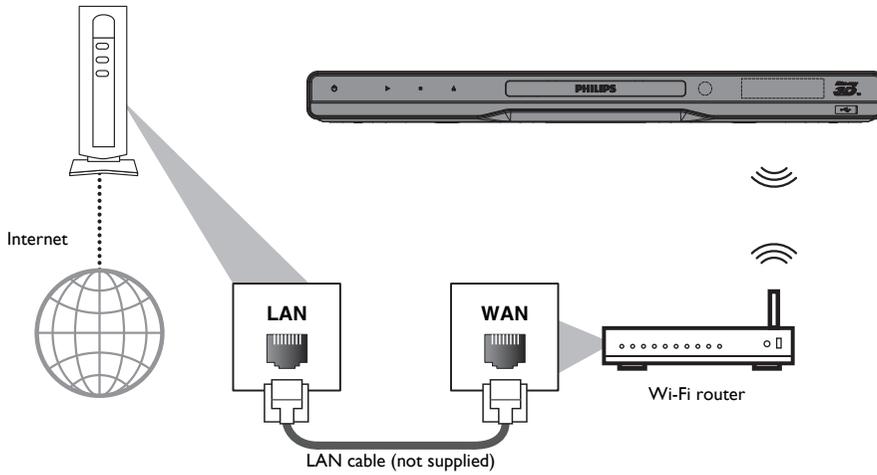
- Do not insert any cable other than a LAN cable to the LAN terminal to avoid damaging the unit.
- Do not connect your PC directly to the LAN terminal of this unit.

ⓘ Note

- After you make a wired connection, set up necessary network settings. (For network setting of wired connection, refer to “Wired” on page 44.)
- If your modem does not have router functions, connect a wired router.
- If your modem has router functions but there is no vacant port, add a hub.
- For a wired router, use a router which supports 10BASE-T / 100BASE-TX ETHERNET standard.
- Please purchase shielded LAN cables at your local store and use them when you connect to network equipment.

■ Wi-Fi Connection

Networking equipment (modem, etc.)



ⓘ Note

- After you made the Wi-Fi connection, set up necessary network settings. (For the network setting of Wi-Fi connection, refer to “Wireless” on page 46.)
- For a Wi-Fi router, use a router which supports IEEE 802.11 b/g/n. (“n” type is recommended for stable operation of the Wi-Fi network.)
- Set the Wi-Fi router to Infrastructure mode. This unit does not support Ad-hoc mode.
- Other radio devices or obstacles may cause interference to the Wi-Fi network connection.

5. BEFORE YOU START

5.1. Finding the Viewing Channel / Source on Your TV

After you have completed all the connections, you must find the viewing channel (external input source) on your TV.

1. After you have made all the necessary connections, press [**⏻ (standby/on)**] to turn on the unit.
2. Turn on your TV.
3. Press the button on the TV's remote control that accesses the external input channel. It may be labeled "SOURCE", "AV", "AUX" or "SELECT" (refer to your TV's user manual). Or press "2" on the TV's remote control, then press channel down button repeatedly until you see the Philips splash screen.



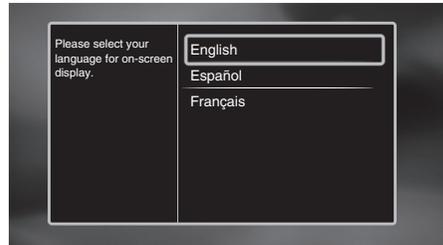
This is the correct viewing channel (external input source).

- If the TV is connected by an HDMI cable, it may take a while for the Philips splash screen to come up.
- If a certain amount of time has passed since you turned on the unit, welcome screen appears the first time you turn on this unit.

5.2. Initial Setup

Please follow the instructions below to complete the initial setup.

1. While welcome screen is displayed, use [**▲ / ▼**] to select "Next", then press [**OK**].
2. Language setup screen will appear. Use [**▲ / ▼**] to select your language, then press [**OK**].



3. Quick start mode setup screen will appear. Use [**▲ / ▼**] to select the desired mode, then press [**OK**].
4. Auto software update setup screen will appear. Use [**▲ / ▼**] to select the desired mode, then press [**OK**].
5. Network setup screen will appear. Use [**▲ / ▼**] to select the desired mode, then press [**OK**].
 - If you select "Wired", refer to "Wired" on page 44 for further operation.
 - If you select "Wireless", refer to "Wireless" on page 46 for further operation.

6. INFORMATION ON PLAYBACK

6.1. Information on Playback

Before you start playing back a disc, read the following information.

■ Playable Discs and Files

Playable discs	Logos
Blu-ray Disc™ - BD-video - Blu-ray 3D™ Disc - Blu-ray 3D™ only Disc - BD-RE* (ver. 2.1) (Recorded in BDMV format) - BD-R* (ver. 1.1 / 1.2 / 1.3) (Recorded in BDMV format) (Discs not finalized may not be played back.)	 
DVD-video	
DVD-RW (finalized video mode discs only)	
DVD-R (finalized video mode discs only)	
CD-DA (audio CD)	
CD-RW	 
CD-R	 
KODAK Picture CD	
DTS-CD	-

(*) Due to the intentional progression of the Blu-ray Disc™ format by its standard setting authority, the company cannot guarantee or warrant the playability of future extensions of the Blu-ray Disc™ format with this product.

Playable files	Media
AVCHD	DVD-RW/-R
MP3	BD-RE/-R DVD-RW/-R CD-RW/-R
Windows Media™ Audio	USB storage device
JPEG	

Readable devices	Playable files / data
USB storage device supports USB1.1 / USB2.0	MP3, WMA, JPEG, picture-in-picture commentary, subtitles or other extras for BD-ROM ver. 2 (Profile 2.0 / Profile 1.1)

■ Recommended Specifications

AVCHD

This unit cannot play back standalone AVCHD files (*.m2ts, *.mts or *.m2t) written to a DVD. The DVD containing AVCHD files must have a proper file and folder structure meeting AVCHD format specifications. Please use AVCHD compliant device / software to burn or copy AVCHD files to DVD. (Please refer to user manuals of the device / software for more information.)

MP3 / Windows Media™ Audio

- Sampling frequency : 32 kHz, 44.1 kHz or 48 kHz
- Constant bit rate : 112 kbps - 320 kbps (MP3), 48 kbps - 192 kbps (WMA)

JPEG

Resolution

- Upper limit : 2,560 x 1,900 dots (sub sampling is 4:4:4)
5,120 x 3,840 dots (sub sampling is up to 4:2:2)
- Lower limit : 32 x 32 dots
- Maximum file size of a picture : 12MB

■ Folder / File Number Limitations

Blu-ray Disc™, DVD and USB storage device

- 999 folders (groups) and 9,999 files.

CD

- 255 folders (groups) and 999 tracks / files.

Caution / Note for USB Storage Device

⚠ Caution

- Philips is not responsible if the USB storage device is not supported nor is it responsible for damage or loss of data from the device.
- Do not try to open or modify the USB storage device.
- Do not touch the terminal surface with your fingers or any metals.

ⓘ Note

- This unit supports USB storage device with FAT16 / FAT32 file system.
- This unit does not support NTFS file system.
- This unit may not read USB storage devices formatted on a computer. If that is the case, please reformat the USB storage devices in this unit and try again.
- Please keep the USB storage devices in their cases when you are not using them.
- Some USB storage devices may not work with this unit.
- This unit can read SD cards using USB card reader (not supplied).

Readable cards:

SD Memory Card (8 MB - 2 GB)
miniSD Card (16 MB - 2 GB)
microSD Card (256 MB - 2 GB)
SDHC Memory Card (4 GB - 32 GB)
miniSDHC Card (4 GB - 8 GB)
microSDHC Card (4 GB - 16 GB)

■ Unplayable Discs and Files

The following discs will not be played back in this unit.

- CD-ROM
- DVD-RAM
- DVD-audio
- HD DVD
- unfinalized disc
- BD-RE (ver.1.0)
- BD-RE (ver.2.1) (Recorded in BDAV format)
- BD-R (ver.1.1 / 1.2 / 1.3) (Recorded in BDAV format)
- Blu-ray Disc™ that contains AVCHD files
- Blu-ray Disc™ / DVD / CD / USB storage device / SD card contains DivX® files
- Blu-ray Disc™ / DVD hybrid disc (played back as a BD-video only)
- DVD-RW/-R recorded in non compatible recording format
- Super Audio CD - Only the sound on the CD layer can be heard. The sound on the high-density Super Audio CD layer cannot be heard.
- Playability of dual discs is not guaranteed.
- This unit cannot play back the disc contents protected by Windows Media™ Digital Rights Management (DRM).
- CD-I (compact disc-interactive)
- VSD (video single disc)
- video CD
- SVCD

■ Region Codes

This unit has been designed to play back BD-video with region “A”, DVD-video with region “ALL” or “1” for BDP5506/F7 (USA / Canada) and region “ALL” or “4” for BDP5506/F8 (Mexico). You cannot play back BD-video or DVD-video that are labeled for other regions. Look for the symbols on the right on your BD-video or DVD-video.

If these region symbols do not appear on your BD-video or DVD-video, you cannot play back the disc in this unit. The letter or number inside the globe refers to region of the world. A BD-video or DVD-video labeled for a specific region can only be played back in the unit with the same region code.

BD-video



DVD-video



For BDP5506/F7
(USA / Canada)

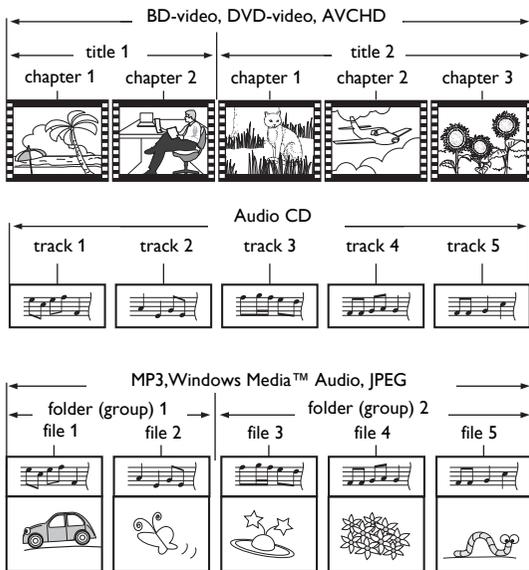


For BDP5506/F8
(Mexico)



■ Hint for Disc Playback

The contents of a disc are generally divided into sections or folders (groups of titles / files) as shown below.



■ Description for Icons

[] : group (folder) icon

[] : music file icon

- "Folders" refers to the groups of files.
- "Tracks" refers to the contents recorded on the audio CD.
- "Files" refers to the contents on a disc which are recorded in AVCHD, MP3, Windows Media™ Audio, JPEG (including KODAK Picture CD) file format.

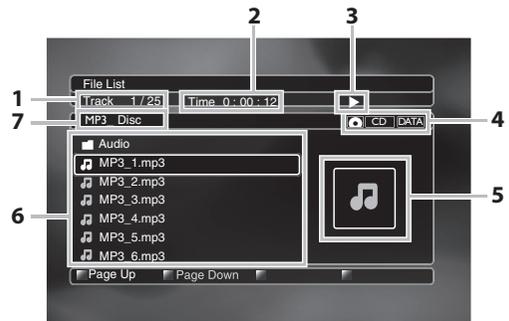
⊖ Note

- Unrecognizable characters will be replaced with asterisks.

6.2. Guide to File List

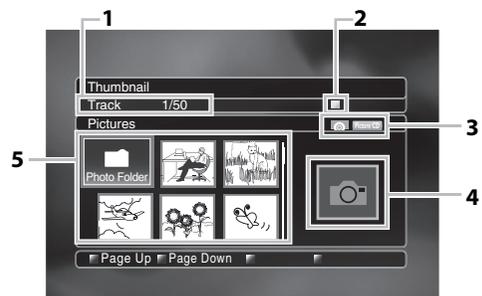
■ Music File List

e.g.) MP3 mode



1. Current track (file) number / Total number of tracks (files)
2. Elapsed playing time of the current track
3. Playback status
4. Media type
5. Image
6. Group (folder) / File list
7. Name of disc / USB storage device

■ Picture File List



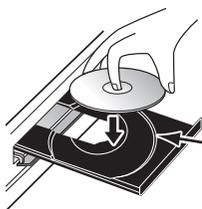
1. Current file number / Total number of files
2. Playback status
3. Media type
4. Image
5. Group (folder) / File list (thumbnails)

How to Navigate through the Track / File List

- Use [**▲** / **▼**] to move the highlight up and down in the list.
- To access the files in a group (folder), select the desired group (folder), then press [**OK**].
- Press [**◀**] or [**BACK ↶**] to go back to the previous hierarchy.
- Press [**Red**] or [**Green**] to change the page of the list.
- Press [**Yellow**] to go back to the media mode screen.
- Press [**⬆ (home)**] to go back to the home menu.

6.3. How to Insert a Disc

1. Press [**▲ (open/close)**] to open the disc tray.
2. Place the disc on the disc tray with its label side facing up.



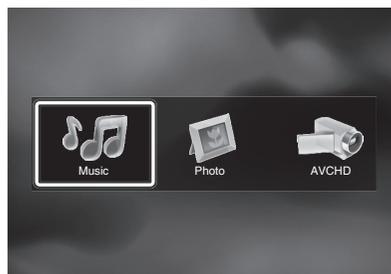
Align the disc to the disc tray guide.

3. Press [**▲ (open/close)**] to close the disc tray.
 - It may take a while to load the disc.

7. BASIC PLAYBACK

7.1. Playing Back a Disc

1. Insert a disc (refer to “How to Insert a Disc” on page 26).
 - For Blu-ray Disc™ / DVD / audio CD or a disc containing only one type of file, playback will start automatically. If not, press [**▶ (play)**].
 - Some discs may show a title or a disc menu. In this case, refer to “Using the Title / Disc / Pop-up Menu” on page 29.
 - Media filter screen will appear.
2. Select the type of the file you want to play back, then press [**OK**].



3. For “AVCHD”, playback will start automatically.

For “Music”, track / file list will be displayed. Select a group (folder) or track / file you want to play back then press [**▶ (play)**] or [**OK**] to start playback.

- Refer to “Music File List” on page 25 and “How to Navigate through the Track / File List” on page 26.

For “Photo”, thumbnail screen will appear.

- Refer to “Picture File List” on page 25 and “How to Navigate through the Track / File List” on page 26.

To skip to the next track / file :

Press **[▶| (next)]**.

To skip to the previous track / file :

Press **[◀| (previous)]**.

To pause playback :

Press **[|| (pause)]**.

To return to normal playback :

Press **[▶ (play)]**.

To stop playback :

Press **[■ (stop)]**.

Playback will be in Resume-On-Stop mode.

■ Resume-On-Stop Mode

Blu-ray Disc™ / DVD / AVCHD :

When you press **[▶ (play)]** next time, the playback will start from the point where it has been stopped.

Audio CD :

Playback will start from the point where it is stopped next time you press **[▶ (play)]**. If you press **[OK]** instead of **[▶ (play)]**, playback will start from the beginning of the track / file instead of resuming from the stop point.

MP3 / WMA / JPEG / KODAK Picture CD :

Playback will start from the beginning of the current file next time you press **[▶ (play)]** or **[OK]**.

☰ Note

- Playback will also stop and the home menu will appear when you press **[⬆ (home)]**.
- For BD-Java application, the Resume-On-Stop may not be available.
- If you press **[OK]** instead of **[▶ (play)]**, playback can be started from the beginning of the disc even if it was in the Resume-On-Stop mode.
- Resume-On-Stop mode remains in effect even after power is turned off, but will be canceled once the disc is ejected.
- With regard to the multi-border BD-RE/-R, additionally recorded sections cannot be recognized.
- With regard to the multi-border DVD-RW/-R, additionally recorded sections may not be recognized.

⚙ Tips for JPEG / KODAK Picture CD Playback

- Every press of **[◀ / ▶]** will turn the image by 90 degrees when an image is displayed.
- During playback, press **[TOP MENU]** to display thumbnail screen.
- This unit conforms to ver.7.0 of KODAK Picture CD. For details of KODAK Picture CD, contact a shop that provides developing service for Kodak Inc.
- Some unplayable folders or files may be listed due to the recording status.
- High-resolution JPEG files take longer to be displayed.
- Progressive JPEG files (JPEG files saved in progressive format) cannot be played back in this unit.

7.2. Playing Back a Blu-ray 3D™ Disc



This unit can play back Blu-ray 3D™ discs which contain stereoscopic 3D video. In order to view Blu-ray 3D™ videos, you need to have the following:

- **3D capable TV**
- **3D compatible HDMI cable**
- **3D glasses**
- **Blu-ray 3D™ Disc or Blu-ray 3D™ only Disc**

1. Connect 3D capable TV with a 3D compatible HDMI cable.
 - Refer to “HDMI Video / Audio Connection” on page 15.
2. Insert a Blu-ray 3D™ Disc or a Blu-ray 3D™ only Disc.
 - Refer to “How to Insert a Disc” on page 26.
3. Playback may start automatically. If not, press **[▶ (play)]**.

Some discs may show a title or a disc menu. In this case, refer to “Using the Title / Disc / Pop-up Menu” on page 29.

To pause playback:

Press **[⏸ (pause)]**.

To return to normal playback:

Press **[▶ (play)]**.

To stop playback:

Press **[■ (stop)]**.

Playback will be in Resume-On-Stop mode, and the home menu will appear.

■ Resume-On-Stop mode

When you press **[▶ (play)]** next time, the playback will start from the point where it has been stopped.

⚠ Caution

- Watching 3D videos may cause headache, dizziness or tiredness.
To avoid such consequences, do not watch 3D videos for a long period of time.
- Watching 3D videos is not recommended for the following people:
 - People who are susceptible to motion sickness
 - Children from walking age to seven years
 - Pregnant woman

For more information, refer to “IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D TELEVISIONS” on page 60.

ⓘ Note

- For more information, refer to the 3D TV’s manual.
- When “3D Output” is set to “Auto (XX)” and your TV is not 3D capable, playback of Blu-ray 3D™ discs will revert to 2D depending on the disc.
- You can turn off 3D output mode by setting “3D Output” to “2D”. (Refer to page 39.)
- For some Blu-ray 3D™ only discs, playback in 2D mode is not possible.
- You can check the current output mode (2D or 3D) by pressing **[INFO]** during playback.
- If you change “3D Output” setting to “2D” while the unit is in the Resume-On-Stop mode of Blu-ray 3D™ Disc playback, the resume information will be cleared.

7.3. Playing Back Contents on a USB Storage Device

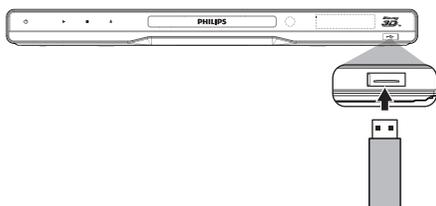
MP3

WINDOWS
MEDIA
AUDIO

JPEG

You can play back MP3 / WMA / JPEG files from a USB storage device. With the USB storage device, you can also enjoy the following functions.

- Special additional contents for BD-ROM Profile 1 ver.1.1. (For more information about the special additional contents, refer to the instruction book that came with the disc.)
- BD-Live™ function (BD-ROM ver. 2 Profile 2.0). (For more information about BD-Live™, refer to page 31.)



1. Connect a USB storage device to the USB input.
2. Press [**↑ (home)**].
3. Use [**▲ / ▼ / ◀ / ▶**] to select “Browse USB”, then press [**OK**].
4. Follow steps 2 to 3 in “Playing Back a Disc” on page 26.

To remove the USB storage device:

In stop mode, pull it out slowly.

⚠ Caution

- Do not remove the USB storage device or switch the unit to standby mode while the contents of the device are being accessed. It may result in malfunction or loss of the device data.
- Philips cannot be held responsible if your USB storage device is not supported, nor will Philips accept any liability for damage or loss of stored data.
- If a USB card reader is connected, files in an SD card which is connected first to the slot of the reader will be displayed.

ⓘ Note

- The resume information will be cleared when;
 - [**■ (stop)**] is pressed while in the Resume-On-Stop mode.
 - the USB storage device is removed.
 - the unit is switched to standby mode.
- Do not delete the folders or files in the USB storage device with your computer. This unit may not read USB storage devices formatted on a computer.
- If a folder or file name includes one of the following unrecognizable characters, the folder or file name may not be displayed correctly.
 - Unrecognizable characters : `., " = + [] ; / \ : | ¥`
- This unit can read MP3 / WMA / JPEG files in an SD card by using USB card reader (not supplied).

7.4. Using the Title / Disc / Pop-up Menu



Some BD-videos, DVD-videos or AVCHD files may contain a title menu which describes the contents of the disc, or a disc menu which guides you through the available functions in the disc.

With such discs, a title menu or a disc menu may appear automatically when you insert the disc. Otherwise, press [**TOP MENU**] or [**DISC MENU / POP-UP MENU**] to call up the menu. Refer to the disc's manual on how to navigate through the menu.

ⓘ Note

- Menus vary among discs. Refer to the information accompanying the disc for details.
- [**TOP MENU**] or [**DISC MENU / POP-UP MENU**] may not work with some discs.

8. SPECIAL PLAYBACK

8.1. Fast Forward / Fast Reverse



1. During playback, press **[▶▶ (forward)]** repeatedly for fast forward.
During playback, press **[◀◀ (reverse)]** repeatedly for fast reverse.

Every time you press **[▶▶ (forward)]** or **[◀◀ (reverse)]**, the playback speed will change.

2. Press **[▶ (play)]** to return to normal playback.

⊖ Note

- For Blu-ray Disc™, DVD and AVCHD, speed changes in 5 different levels.
- For audio CD, MP3 and Windows Media™ Audio, speed changes in 3 different levels.
- For audio CD, fast forward / fast reverse search between different tracks are not available during random playback.
- For MP3 and Windows Media™ Audio, fast forward / fast reverse search between different files are not available.

8.2. Slow Forward Playback



1. During playback, press **[⏸ (pause)]**. Then press **[▶▶ (forward)]**.

Every time you press **[▶▶ (forward)]**, the playback speed changes in 3 different levels.

2. Press **[▶ (play)]** to return to normal playback.

⊖ Note

- Only slow forward is available.

8.3. Step by Step Playback



1. In pause mode, press **[▶ (next)]** repeatedly.
Every time you press **[▶ (next)]**, playback will advance one step at a time.
2. Press **[▶ (play)]** or **[⏸ (pause)]** to return to normal playback.

⊖ Note

- Only step by step forward is available.

8.4. Repeat Playback

Available repeat function varies depending on the discs.

1. During playback, press **[REPEAT]**.
2. Use **[▲ / ▼]** to select the desired repeat mode.

REPEAT MODE	AVAILABLE MEDIA
Chapter Repeat The current chapter will be played back repeatedly.	
Title Repeat The current title will be played back repeatedly.	
Track Repeat The current track or file will be played back repeatedly.	
All Repeat All tracks in the media will be played back repeatedly.	
Group Repeat The current group (folder) will be played back repeatedly.	
Random Repeat (Audio CD) Repeats the random playback.	
Random Repeat (MP3 / Windows Media™ Audio / JPEG) Repeats the random playback in a folder.	

3. Press **[BACK ↵]** to exit.

Note

- The repeat setting will be canceled when you stop playback.
- When the repeat setting is set for an MP3 or WMA folder (file), the repeat setting will be canceled if you select other MP3 or WMA folder (file) to play back.

8.5. Slide Show

JPEG

1. Follow steps 1 to 2 in “Playing Back a Disc” on page 26.
2. Open the folder which contains the desired JPEG files.
3. Use [**▲ / ▼ / ◀ / ▶**] to select a desired file to be played back, then press [**▶ (play)**] or [**OK**].
 - An image will be played back from the selected file and go to the next one in turn every 10 seconds.
4. Press [**■ (stop)**] to stop playback.

To return to the first item:

Press [**TOP MENU**].

To return to the file played last:

Press [**DISC MENU / POP-UP MENU**].

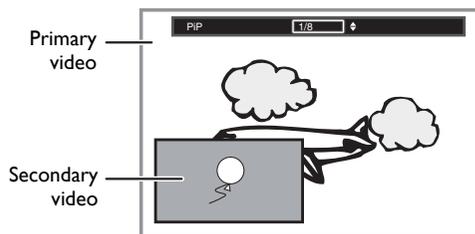
Note

- During playback, press [**TOP MENU**] to display thumbnail screen.
- Large-size JPEG files take a few moments to be displayed.

8.6. PiP (BONUSVIEW™) Setting



Some BD-videos have the PiP function which enables you to display the secondary video in the primary video.



1. During playback, press [**BONUSVIEW (PiP)**].
2. Use [**▲ / ▼**] to select the secondary video you want to show.
 - The secondary video will be displayed with the secondary audio.
 - Use [**◀ / ▶**] to switch between current setting and “Off”.
3. Press [**BACK ↵**] to remove the PiP information.
 - On how to output the secondary audio, refer to “Switching Audio Soundtrack” on page 34 and “Blu-ray Disc Audio” on page 39.

8.7. Enjoying BD-Live™ Discs Using the Internet



You can enjoy BD-Live™ which enables you to use interactive features when the unit is connected to the Internet.

Examples of BD-Live™ features:

- Online access to additional content such as movie trailers, subtitles, BD-Java applications, etc.
- While downloading, special video data may be played back.
 - **Service and functions differ depending on the disc. Follow the instructions given by the disc when using the BD-Live™ function.**
 - **Insert a USB storage device of at least 1GB capacity before using BD-Live™ features on a Blu-ray Disc™.**
 - **Do not remove the USB storage device while using BD-Live™ features.**

⊖ Note

- You must connect the unit to the Internet and set up necessary settings in order to use BD-Live™.
- For the network connection, refer to “Connection to the Network” on page 20.
- For the network setup, refer to “Network Installation” on page 43.
- For certain discs, BD-Live™ setting in “Manual Setup” may need to be changed. (Refer to page 44.)
- Depending on your connection environment, it may take time to connect to the Internet or the Internet may not be connected.
- When BD-Live™ functions are used and the unit is connected to the Internet, you may be charged for this communication.
- Some discs with BD-Live™ function require memory when playing back the content. If you cannot play back a disc with BD-Live™ function, insert a USB storage device (1GB or more) which is formatted on this unit.

⊖ Note for AAC S Online

- The player or disc IDs may be sent to the content provider when playing back a disc with BD-Live™ function.
- If you save your viewing history on the server by using these IDs, you will be introduced to other similar movies.
- You can save game score histories.

8.8. Title / Chapter Search



■ Using [◀ (previous)] / [▶ (next)]

1. During playback, press [▶ (next)] to skip the current title or chapter and move to the next.

The title or chapter will move forward one at a time.

- If there is no chapter in one title, the current title may be skipped.

To go back to the beginning of the current title or chapter, press [◀ (previous)].

Press [◀ (previous)] repeatedly to go to the previous title or chapter. The title or chapter may move backward one at a time.

■ Using [OPTION]

1. During playback, press [OPTION] to display the play menu.
2. Use [▲ / ▼] to select “Search”, then press [OK].
3. Use [▲ / ▼] to select “Title” or “Chapter”, then press [OK].

e.g.) Blu-ray Disc™



4. Use [▲ / ▼ / ◀ / ▶] to select the title / chapter number.
5. Press [OK].
Playback will start from the beginning of the title / chapter.
6. Press [BACK ↵] to exit.

■ Using [the Number buttons] (Direct Search)

Chapter Search

During playback of a title, enter the chapter number you want to search using [the Number buttons].

Playback of the chapter will start in a few seconds.

⊖ Note

- As for the BD-video, how it performs will be strongly determined by the disc, and may not perform as described.

8.9. Track Search



1. During playback, press **[▶] (next)** to skip the current track or file and move to the next.

The track / file will move forward one at a time. To go back to the beginning of the current track / file, press **[◀] (previous)**.

Press it repeatedly to go to the previous track / file. The track / file will move backward one at a time.

8.10. Time Search



1. During playback, press **[OPTION]** to display the play menu.
2. Use **[▲ / ▼]** to select "Search", then press **[OK]**.
3. Use **[▲ / ▼]** to select "Time", then press **[OK]**.

e.g.) Blu-ray Disc™



4. Use **[▲ / ▼]** or **[the Number buttons]** to enter the time count you want to jump to.

e.g.) Entering 1 hour 45 minutes and 15 seconds.

Press **[1]** **[4]** **[5]** **[1]** **[5]**

5. Press **[OK]**.

Playback will start from the desired time entered.

6. Press **[BACK ↵]** to exit.

8.11. Switching Subtitles

Some video materials may have subtitles in one or more languages. For commercially available discs, the supported languages can be found on the disc case. Follow the steps below to switch the subtitle language during playback.



1. During playback, press **[SUBTITLE]**.
2. Use **[▲ / ▼]** to select "Primary", "Secondary" or "Style", then press **[OK]**.

"Primary" : Sets the subtitle for the primary video.

"Secondary" : Sets the subtitle for the secondary video.

"Style" : Sets style of the subtitle.

3. Use **[▲ / ▼]** to select your desired subtitle or style.



- Use **[◀ / ▶]** to switch between current subtitle setting and "Off".

4. Press **[BACK ↵]** to exit.



1. During playback, press **[SUBTITLE]**.
2. Use **[▲ / ▼]** to select your desired subtitle.



- Use **[◀ / ▶]** to switch between current subtitle setting and "Off".

3. Press **[BACK ↵]** to exit.

ⓘ Note

- Some discs will only allow you to change the subtitles from the disc menu or pop-up menu. Press **[TOP MENU]** or **[DISC MENU / POP-UP MENU]** to display the disc menu or pop-up menu.
- If the disc has no subtitle language or subtitle style, "Not Available" will be displayed on the TV screen.
- During playback of the secondary video, the primary subtitle setting is not available except when there is no subtitle for the secondary video.
- You can also change the subtitle setting from the play menu. Play menu can be called up by pressing **[OPTION]**.

8.12. Switching Audio Soundtrack

When playing back video material recorded with two or more soundtracks (these are often in different audio languages or audio formats), you can switch them during playback. For Blu-ray Disc™, available audio varies depending on “Blu-ray Disc Audio” setting. Refer to page 39 for more information.



1. During playback, press **[AUDIO]**.
2. Use **[▲ / ▼]** to select “Primary” or “Secondary”, then press **[OK]**.

“Primary” : Sets the audio for the primary video.

“Secondary” : Sets the audio for the secondary video.

3. Use **[▲ / ▼]** to select your desired audio stream channel.



- For “Secondary”, use **[◀ / ▶]** to switch between current audio setting and “Off”.
4. Press **[BACK ↵]** to exit.



1. During playback, press **[AUDIO]**.
2. Use **[▲ / ▼]** to select your desired audio stream channel.



- For audio CD, you can select following options.
“Stereo” : Both right and left channels are active (stereo).
“L-ch” : Only left channel is active.
“R-ch” : Only right channel is active.
3. Press **[BACK ↵]** to exit.

Note

- The secondary audio will not be output when the secondary video is not displayed or when “Blu-ray Disc Audio” is set to “Primary Audio Only”. (For some Blu-ray™ discs, secondary audio will be output even when secondary video is off.)
- The sound mode cannot be changed during playback of discs not recorded in multiple audio mode.
- Some discs allow changing the audio language setting on the disc menu. (Operation varies depending on the discs. Refer to the manual accompanying the disc.)
- **[AUDIO]** may not work on some discs with multiple audio streams or channels (e.g. DVDs that allow changing audio setting on the disc menu).
- If the disc has no audio language, “Not Available” will be displayed on the TV screen.
- For DTS-CD (5.1 music disc), selecting audio streams or channels is not available.
- You can also change the audio setting from the play menu. Play menu can be called up by pressing **[OPTION]**.

8.13. Switching Camera Angles



Some BD-videos and DVD-videos contain scenes which have been shot simultaneously from various angles. You can change the camera angle when  appears on the TV screen.

1. During playback, press **[ANGLE]**.
 - The selected angle will be displayed on the display bar at the top of the TV screen.
2. Use **[▲ / ▼]** to select your desired angle.
3. Press **[BACK ↵]** to exit.

Note

- If “Angle Icon” setting is set to “Off”,  will not appear on the TV screen. (Refer to page 41.)
- You can also change the angle setting from the play menu. Play menu can be called up by pressing **[OPTION]**.

8.14. Black Level



You can adjust the black level setting to make the black parts of the pictures as bright as you prefer. You can select “On” or “Off”.

1. During playback, press **[OPTION]** to display the play menu.
2. Use **[▲ / ▼]** to select “Black Level”, then press **[OK]**.
3. Use **[▲ / ▼]** to select your desired setting.

e.g.) Blu-ray Disc™



“On” : Makes the dark parts blacker with additional contrast and brightness.

“Off” : Shows the original picture as recorded.

4. Press **[BACK ↵]** to exit.

⊞ Note

- The setting will remain the same even if the unit is switched to standby mode.
- “Black Level” is not effective under the following conditions.
 - When the picture is output from HDMI OUT jack.

8.15. Noise Reduction



Reduces the noise of the playback picture.

1. During playback, press **[OPTION]** to display the play menu.
2. Use **[▲ / ▼]** to select “Noise Reduction”, then press **[OK]**.
3. Use **[▲ / ▼]** to select your desired setting.

e.g.) Blu-ray Disc™



“On” : Activates noise reduction.

“Off” : Deactivates noise reduction.

4. Press **[BACK ↵]** to exit.

⊞ Note

- The setting will remain the same even if the unit is switched to standby mode.

8.16. Virtual Surround



You can enjoy stereophonic virtual space through your existing 2 channel stereo system.

1. During playback, press **[OPTION]** to display the play menu.
2. Use **[▲ / ▼]** to select “Virtual Surround”, then press **[OK]**.
3. Use **[▲ / ▼]** to select your desired setting.

e.g.) Blu-ray Disc™



“On” : Activates surround effect.

“Off” : Deactivates surround effect.

4. Press **[BACK ↵]** to exit.

⊞ Note

- Set the virtual surround setting to “Off” or lower the volume if the sound is distorted.
- For the virtual surround, audio signal will always be 2-channel LPCM.

8.17. Philips Wireless MediaConnect

With this feature, you can enjoy your TV as a PC monitor wirelessly using your home network. Make sure you download the Philips Wireless MediaConnect software and install it on your PC before you perform the steps below.

■ Install Philips Wireless MediaConnect

1. Press [**▲ (home)**] on the Blu-ray Disc™ Player remote.
2. Use [**▲ / ▼ / ◀ / ▶**] to select “Setup”, then press [**OK**].
3. Use [**▲ / ▼**] to select “Network Setup”, then press [**OK**].
4. Use [**▲ / ▼**] to select “MediaConnect”, then press [**OK**].
 - Write down the 12-digit code displayed on the screen. You will need this to download MediaConnect software.
5. Start your Internet browser on your PC and open the Philips Wireless MediaConnect download page at www.wifimediaconnect.philips.com. On the website, you can check the necessary PC system requirements.
6. Enter the 12-digit code you wrote at step 4 and download the MediaConnect software.
7. Click the “Download now” button to download the free Philips Wireless MediaConnect software.
8. Once downloaded, run the file “Philips Wireless MediaConnect_setup.exe”. Follow the instructions on your PC to complete software installation.

■ Using Philips Wireless MediaConnect

1. Launch Philips Wireless MediaConnect on your PC first.
 - Select “Start projecting” with right click on the  in the system tray.
2. Press [**▲ (home)**] on the Blu-ray Disc™ Player remote.
3. Use [**▲ / ▼ / ◀ / ▶**] to select “MediaConnect”, then press [**OK**].
 - The startup screen for Philips Wireless MediaConnect will be displayed and the unit searches for an available PC that is running Philips Wireless MediaConnect software.

Once connected, the Philips Wireless MediaConnect software will encode and stream the screen of your PC as a video along with audio.

Depending on your computer and network configuration, there will be a delay between your PC screen and the TV but the audio-video will always be in sync.

Philips Wireless MediaConnect Help

To read the Philips Wireless MediaConnect Help, right click the program icon in the notification tray of the PC and select Help.

Specifics

You can project high definition (HD) or standard definition (SD) video, depending on the processing power of your PC. For smooth playback of HD video, please use a hardware accelerated video player on your computer.

A hardware accelerated video player uses the graphics adapter of your PC to render HD video rather than the processor. This frees up the processor for Philips Wireless MediaConnect video encoding. The content protection on most DVD or Blu-ray Disc™ movies might restrict watching the movie on TV when the disc is playing on a PC. The TV shows PC media files with a small delay. Philips Wireless MediaConnect is only available for PC.

PC and network requirements

Supported OS

Windows XP, Windows Vista, Windows 7 (PC only)

Minimum requirements

- Intel Core 2 Duo 1.8GHz
- 512MB RAM
- IEEE 802.11n (PC and wireless router)

Recommended requirements

- Intel Core 2 Duo 2.1GHz
- 1GB RAM

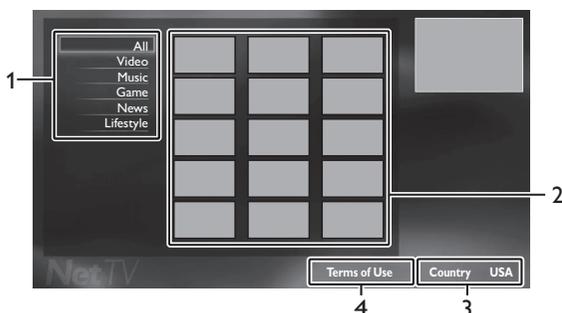
9. NETWORK SERVICES

9.1. Before Using Network Services

Please follow the instructions below before using network features.

1. Connect this unit to the Internet.
 - Refer to "Connection to the Network" on page 20.
2. Set up the necessary network connection settings.
 - Refer to "Network Installation" on page 43.
3. Press **[Net-TV]**.
 - Net TV screen will appear.
 - For the first time only, "Philips Terms of Use Internet Enabled Product" screen will appear. After confirming the content, press **[OK]**.
4. Press **[↑ (home)]** to exit.

■ Guide to Net TV menu screen



1. **Sorting items :**
Categorizes genre of each services
2. **Network Service icons :**
Displays service icons
3. **Country :**
Selects what country you live
4. **Terms of Use :**
Displays a clause of net service

9.2. Information on Network Services

For detailed information on 3rd party Internet services, please visit the service providers website:

- Netflix** : <http://www.netflix.com/HowItWorks>
Film Fresh : <http://filmfresh.roxionow.com/>
Blockbuster : <http://www.blockbuster.com>
VUDU : http://www.vudu.com/product_overview.html

10. PANDORA OPERATIONS

With this unit, You can instantly listen to personalized radio stations streamed over the Internet from Pandora.

To learn more about Pandora, please visit www.pandora.com

10.1. Activating Pandora

In order to listen to Internet radio streamed from Pandora via the Internet, you must create a Pandora account and activate this unit.

1. Follow steps 1 to 3 in "Before Using Network Services" on page 37.
2. Use **[▲ / ▼ / ◀ / ▶]** to select "PANDORA", then press **[OK]**.
3. Use **[▲ / ▼]** to select "CREATE NEW ACCOUNT", then press **[OK]**.
4. Use **[▲ / ▼]** to select "No, I am new to Pandora.", then press **[OK]**.
5. Note the activation code and website address displayed on the TV screen.
6. On your PC, visit the website address noted at step 5.
7. Follow directions on the website to create your account.
8. On this unit, select "CONTINUE" and press **[OK]** to complete activation.

10.2. Adding Pandora User Accounts

You can add multiple Pandora user accounts on this unit.

1. Follow steps 1 to 3 in "Activating Pandora" on page 37.
2. Use **[▲ / ▼]** to select "Yes, I have a Pandora account", then press **[OK]**.
3. Enter your e-mail address, then press **[OK]** while "OK" is selected.
4. Enter a password, then press **[OK]** while "OK" is selected.
5. Use **[▲ / ▼]** to select "SIGN IN", then press **[OK]**.
 - Your account is added to the user list and player screen appears on the TV screen.

⊖ Note

- Pandora is available only in the United States.
- You can add up to 5 accounts. After creating 5 accounts, "CREATE NEW ACCOUNT" is not displayed.
- If you forget your password, please enter your Pandora account's e-mail address and select "Password Recovery", then press **[OK]**. After a while, an e-mail of password reset will be sent to the e-mail address.

10.3. Creating a New Station

By entering your favorite artists or songs, Pandora selects music and creates a new station for you on the basis of the entered information.

1. On the player screen, press **[Blue]** to display station list.
2. Press **[Yellow]** to call up the “Tool Menu”.
3. Use **[▲ / ▼]** to select “Create a new station”, then press **[OK]**.
4. Enter a name of your favorite artist or song, then press **[OK]** while “OK” is selected.
 - Search result will appear on the right side of the TV screen.
 - If the selection screen of result type appears, use **[▲ / ▼]** to select the desired type, then press **[OK]**.
5. Use **[▲ / ▼]** to select the desired station, then press **[OK]** to start the playback.

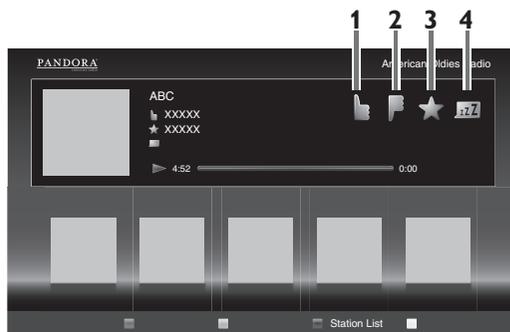
Button	Action
[(pause)]	Pause the playback. Resume the playback, press [▶ (play)] .
[■ (stop)]	Stop the playback and the station list will appear.
[▶ (next)]	Skips to the next song.

⊖ Note

- On the “Tool Menu”, you can delete or rename the currently selected station.

10.4. Guide to the Player Screen

On the player screen, you can set various options to the currently playing song.



1.  : Give thumbs up to the currently playing song. Pandora will play songs similar to the song.
2.  : Give thumbs down to the currently playing song. Pandora will skip and will not play the song.
3.  : Bookmarks the currently playing song. You can view your bookmarked songs list by accessing Pandora website and log into your account.
4.  : Tells Pandora that you do not like the currently playing song. Pandora will not play the song for about a month.

11. LIST OF SETTINGS

In the setup menu, you can customize various kinds of settings as you prefer. Refer to the following instructions to navigate through the setup menu.

1. Press [**▲ (home)**] to access the home menu.
2. Use [**▲ / ▼ / ◀ / ▶**] to select “Setup”, then press [**OK**].
3. Use [**▲ / ▼**] to select the desired setting, then press [**OK**].
4. Use [**▲ / ▼**] to move the highlight up and down in the list.
5. To make a selection or to access options of an item, select the desired item, then press [**OK**].
 - To go back to the previous screen, press [**BACK ↵**].
6. Press [**▲ (home)**] to exit.

Refer to the following table for the types of settings you can customize. The item highlighted in gray is the default setting.

Category	Menus / Options	
Video Setup	3D Output	Auto (XX)
		3D
		2D
	TV Display	4:3 Normal
		4:3 Crop
		16:9 Widescreen
		16:9 Squeeze
	HDMI Video	Auto
		480p
		720p
		1080i
		1080p
	HDMI Deep Color	1080p/24
		Auto
	HDMI Deep Color	Off
De-interlacing Mode		Auto
Video		
Audio Setup	Night Mode	Auto
		On
		Off
	HDMI Audio	Bitstream
		LPCM
		Off
	Digital Audio	Bitstream
		LPCM
	PCM Downsampling	On
		Off
Blu-ray Disc Audio	Mix Audio Output	
	Primary Audio Only	
Network Setup	Network Installation	Start
		Connection Test
	View Network Settings	
	View Wireless Settings	
	Netflix ESN	
	MediaConnect	
	Deactivation	Netflix
		FILM FRESH
		BLOCKBUSTER
		VUDU

Category	Menus / Options		
EasyLink Setup	EasyLink	On	
		Off	
	One Touch Play	On	
		Off	
	One Touch Standby	On	
		Off	
Preference Setup	Menu Language	Auto (XXXX)	
		English	
		Español	
		Français	
	Audio	Original	
		Bulgarian	Italian
		Chinese	Japanese
		Czech	Korean
		Danish	Norwegian
		Dutch	Polish
		English	Portuguese
		Finnish	Romanian
		French	Russian
		German	Slovak
		Greek	Spanish
		Hungarian	Swedish
		Icelandic	Turkish
		Irish	Other
		Subtitle	Off
			Bulgarian
	Chinese		Japanese
	Czech		Korean
	Danish		Norwegian
	Dutch		Polish
	English		Portuguese
	Finnish		Romanian
	French		Russian
	German		Slovak
	Greek		Spanish
	Hungarian		Swedish
Icelandic	Turkish		
Irish	Other		

Category	Menus / Options		
Preference Setup	Disc Menu	Bulgarian	Italian
		Chinese	Japanese
		Czech	Korean
		Danish	Norwegian
		Dutch	Polish
		English	Portuguese
		Finnish	Romanian
		French	Russian
		German	Slovak
		Greek	Spanish
		Hungarian	Swedish
		Icelandic	Turkish
		Irish	Other
		Parental Control	Off
	8 [Adult]		4 [PG-13]
	7 [NC-17]		3 [PG]
	6 [R]		2 [G]
	5 [PGR]		1 [Kid Safe]
	Change Password		
	Screen Saver	On	
Off			
Angle Icon	On		
	Off		
Display Panel	Auto		
	Bright		
	Dimmer		
Advanced Setup	Software Update	Disc	
		Network	
		USB	
	Automatically check for latest software	On	
		Off	
	Quick Start Mode*	On	
		Off	
	Version Info		
	Restore default settings	Reset Settings	
		Format USB	
		(Unit) Erase Saved BD-ROM Data	
(USB) Erase Saved BD-ROM Data			
Reset Network Settings			

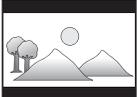
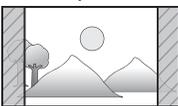
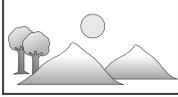
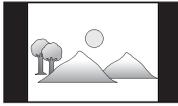
* When "Quick Start Mode" is set to "On", power consumption during standby mode will increase.

12. SETUPS

12.1. TV Display

🏠 (home) → "Setup" → "Video Setup" → "TV Display"

Use this feature to adjust the aspect ratio of the video source which is different from your TV's ratio to fit your TV monitor without distorting the picture. Descriptions of each setting are as follows:

Video source	Your TV	Option	Description
16:9	4:3	4:3 Normal 	To enjoy 16:9 picture on 4:3 monitor: 16:9 picture is scaled down until both sides of the picture fits the 4:3 TV.
		4:3 Crop 	To enjoy 16:9 picture on 4:3 monitor: Both sides of the picture are trimmed to fit the 4:3 TV without distorting the aspect ratio of the picture.
4:3	16:9	16:9 Widescreen 	To enjoy 16:9 picture on 16:9 monitor: Select this setting when you want to enjoy 16:9 picture on the 16:9 TV.
	16:9	16:9 Squeeze 	To enjoy 4:3 picture on 16:9 monitor: Use this setting to display 4:3 picture on the 16:9 TV without distorting the aspect ratio of the picture.

12.2. HDMI Video

🏠 (home) → "Setup" → "Video Setup" → "HDMI Video"

Set the resolution of the video signal being output from the HDMI OUT jack.

You can select the desired "HDMI Video" among the settings listed below:

"Auto", "480p", "720p", "1080i", "1080p", "1080p/24"

Actual Output Resolution :

Setting in the "HDMI Video"	Source				
	480i/60	720p/60	1080i/60	720p/24	1080p/24
480p	480p/60	480p/60	480p/60	480p/60	480p/60
720p	720p/60	720p/60	720p/60	720p/60	720p/60
1080i	1080i/60	1080i/60	1080i/60	1080i/60	1080i/60
1080p	1080p/60	1080p/60	1080p/60	1080p/60	1080p/60
1080p/24	1080p/60	1080p/60	1080p/60	1080p/60	1080p/24
Auto	The highest resolution supported by your display device will be in effect automatically.				

- Composite video output (VIDEO OUT) jack can only output 480i/60.
- For AVCHD, outputting the video in 24 frames per second (1080p/24) is not available.

ⓘ Note

- You can also change the resolution of the video signal being output from the HDMI OUT jack by pressing **[HDMI]** repeatedly.
- Pressing **[HDMI]** does not work when HDMI cable is not connected, or when no video signal is being output from the HDMI OUT jack.
- Pressing **[HDMI]** does not work during the playback of a BD-video.
- The selected resolution must also be supported by your display device.
- Even if "HDMI Video" is set to "1080p/24", for a Blu-ray Disc™ that is not recorded in 1080p/24 or for DVD, the video resolution supported by the disc and the display device will be output instead of 1080p/24.
- Refer also to your TV's manual.

- When the HDMI OUT jack is outputting the video in 1080p/24, picture will not be output from the VIDEO OUT jack.
- When connected to an HDCP incompatible display device, the picture will not be displayed properly.
- The audio signals from the HDMI OUT jack (including the sampling frequency, the number of channels and bit length) may be limited by the device that is connected.
- Among the display device(s) that support HDMI, some do not support audio output (for example, projectors). While connected to a device such as a projector, audio will not be output from the HDMI OUT jack.
- When this unit's HDMI OUT jack is connected to a DVI-D compatible display device(s) (HDCP compatible) with an HDMI-DVI converter cable, the signals are output in digital RGB.
- When you make a selection, the TV monitor temporarily goes blank and then comes back again. If it does not come back, press **[HDMI]** repeatedly to change the resolution or touch and hold **[▶ (play)]** on the front panel for 5 seconds to change the setting back to its default.
- When playing back a Frame Sequential 3D Disc, video resolution of output picture will depend on contents on the disc. ("HDMI Video" setting is not applicable for Frame Sequential 3D Discs.)

Copyright protection system

To play back the digital video images of a BD-video or DVD-video via an HDMI connection, it is necessary that both the player and the display device (or an AV receiver / amplifier) support a copyright protection system called HDCP (high-bandwidth digital content protection system). HDCP is copy protection technology that comprises data encryption and authentication of the connected AV device. This unit supports HDCP. Please read the operating instructions of your display device (or an AV receiver / amplifier) for more information.

12.3. Network Installation

🏠 (home) → "Setup" → "Network Setup" → "Network Installation"

Set up network connection settings in order to use BD-Live™, Netflix / Film Fresh / Blockbuster / VUDU / Pandora or network update function.

■ Connection Test

After you enable a network connection or change the network settings, always perform the connection test to check if the connection is correctly made.

1. Use **[▲ / ▼ / ◀ / ▶]** to select "Setup" in the home menu, then press **[OK]**.
2. Use **[▲ / ▼]** to select "Network Setup", then press **[OK]**.
3. Use **[▲ / ▼]** to select "Network Installation", then press **[OK]**.
4. Use **[▲ / ▼]** to select "Connection Test", then press **[OK]**.
 - Connection test will start automatically and the test result will appear right after the connection test finishes.
 - "Connecting..." : The test is in progress.
 - "Pass" : Connection test is successfully completed.
 - "Failed" : Connection test failed. Check the connection settings.
5. Press **[OK]** to go back to the setup menu, or press **[🏠 (home)]** to exit.

ⓘ Note

- If the connection test passes, you are ready to use BD-Live™, Netflix / Film Fresh / Blockbuster / VUDU / Pandora or network update function, using the Internet without making any additional settings.
- If the connection test fails, you may need to check your router settings and make sure the physical connection is secure. If you need the MAC address of this unit to complete your router settings you can view it on the “View Network Settings” / “View Wireless Settings” screen (refer to page 48).
- When connecting this unit directly to a modem for the first time or connecting it to a modem which was previously connected to any other network device (e.g. a router, PC, etc.), you may have to power cycle the modem to reset the settings on the modem.

■ Wired

Select “Wired” if you made a wired connection and set the setting to “Auto Setup” or “Manual Setup”, in accordance with your network environment.

Auto Setup

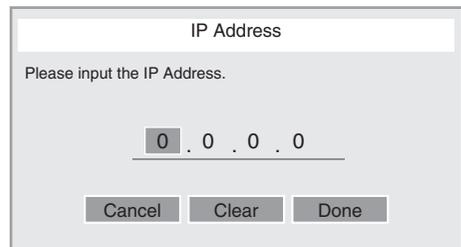
Select “Auto Setup” to set the network setting automatically.

1. Follow steps 1 to 3 in “Connection Test” on page 43.
2. Use [▲ / ▼] to select “Start”, then press [OK].
3. Use [▲ / ▼] to select “Wired”, then press [OK].
4. Use [▲ / ▼] to select “Auto Setup”, then press [OK].
 - The unit will start the connection test automatically and the test result will appear right after the connection test finishes.
5. Select “Finish” to activate the network settings and set the network connection automatically.

Manual Setup

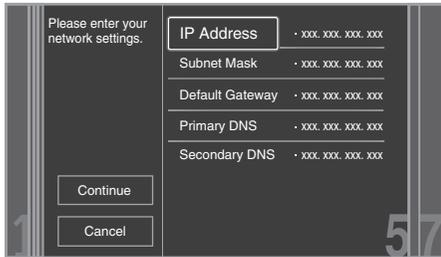
In following cases, select “Manual Setup” to set each setting as necessary.

- When connection test failed with the setting of “Auto Setup”.
 - When instructed by your Internet service provider to make specific settings in accordance with your network environment.
1. Follow steps 1 to 3 in “Auto Setup” on page 44.
 2. Use [▲ / ▼] to select “Manual Setup”, then press [OK].
 3. Use [▲ / ▼] to select “IP Address”, then press [OK].
 4. “IP Address” setting screen will appear. Enter IP address with cursor buttons and number buttons.

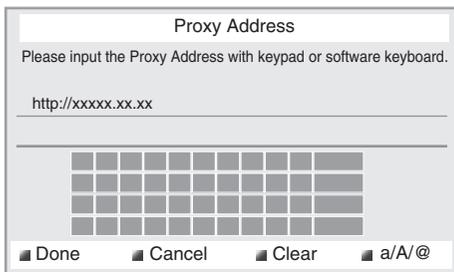


- Enter the IP address after checking the specifications of your router.
 - If the IP address is unknown, check the IP address of other devices. (e.g. PC connected via LAN cable) and assign a different number from those of other devices.
5. Use [▲ / ▼ / ◀ / ▶] to select “Done”, then press [OK].

6. Select “Subnet Mask”, “Default Gateway”, “Primary DNS” and “Secondary DNS” in turn, and enter each address number with cursor buttons and number buttons, then press **[OK]**.
 - Enter the DNS addresses provided by your Internet provider.
 - If the DNS address is unknown, check the DNS address of other devices (e.g. PC connected via LAN cable) and assign the same DNS address.



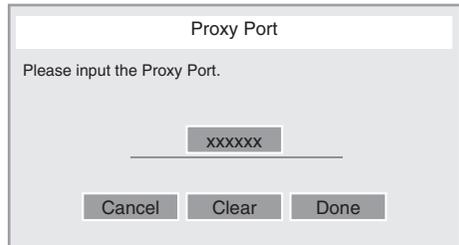
7. Use **[▲ / ▼ / ◀ / ▶]** to select “Done”, then press **[OK]**.
8. Use **[▲ / ▼ / ◀ / ▶]** to select “Continue”, then press **[OK]**.
9. Use **[▲ / ▼]** to select “Yes” or “No” for proxy server, then press **[OK]**.
 - If you use proxy server, select “Yes” to go to the next step.
 - If you do not use proxy server, select “No” to go to step 13.
10. “Proxy Address” setting screen will appear. Enter proxy address with cursor buttons, number buttons and color key.



[▲ / ▼ / ◀ / ▶] : Move the highlight.
[the Number buttons] : Enter numbers or letters.
[OK] : Enter the highlighted number / letter.
***[Red]** : Set the entered number or letter.
[Green] : Cancel the network setting.
***[Blue]** : Clear the entered number or letter.
[Yellow] : Switch between abc, ABC and @!?.

* These buttons can be used in other network settings.

11. Press **[Red]** to go to the “Proxy Port” setting screen. Enter proxy port number with number buttons.



12. Use **[▲ / ▼ / ◀ / ▶]** to select “Done”, then press **[OK]**.
13. Connection speed setting screen will appear. Use **[▲ / ▼]** to select the desired setting, then press **[OK]**. (The default setting is “Auto”).
14. BD-Live™ setting screen will appear. Use **[▲ / ▼]** to select the desired setting, then press **[OK]**. (The default setting is “Allow”).

“Allow”:

Internet access is permitted for all BD-Live™ contents.

“Limited Allow”:

Internet access is permitted only for BD-Live™ contents which have content owner certificates. Internet access without the certificates is prohibited.

“Prohibit”:

Internet access is prohibited for all BD-Live™ contents.

15. Connection test confirmation screen will appear. Select “Yes” to start the connection test and the test result will appear right after the connection test finishes.
16. Press **[OK]** to go back to the setup menu, or press **[▲ (home)]** to exit.

⊖ **Note for “IP Address”, “Subnet Mask”, “Default Gateway”, “Primary DNS” and “Secondary DNS”**

- The range of input numbers is between 0 and 255.
- If you enter a number larger than 255, the number will automatically be reset to 255.
- When you enter a wrong number, select “Clear” to clear. (The number will be reset back to “0”.)
- If you want to enter a 1 or 2-digit number in one cell, press [▶] to move on to the next cell.

⊖ **Note for “Proxy Address” and “Proxy Port”**

- The range of input numbers for the port number is between 0 and 65535. (If you enter a number larger than 65535, it will be regarded as 65535.)
- For proxy port, certain ports might be closed, blocked or unusable depending on your network environment.
- Choose a connection speed in accordance with your network environment.
- When the settings are changed, the network connection may be disabled depending on the device.

■ **Wireless**

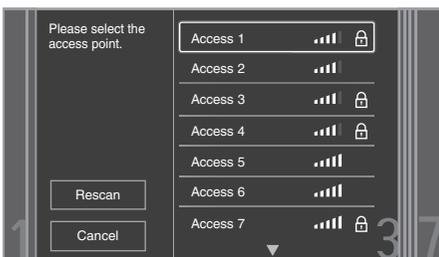
If you connect this unit to the network wirelessly, select “Wireless” and set up necessary settings.

Please make a note of your Wi-Fi network name (SSID) and its WEP / WPA key before proceeding with the setup.

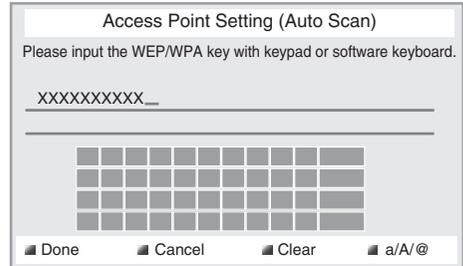
Auto Scan

Search for Wi-Fi networks automatically and select the Wi-Fi network name (SSID) from the list.

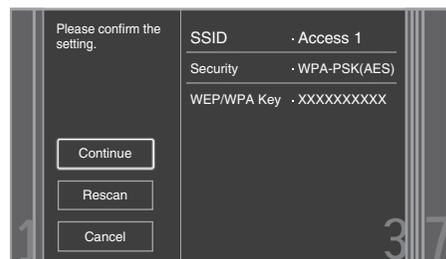
1. Follow steps 1 to 2 in “Auto Setup” on page 44.
2. Use [▲ / ▼] to select “Wireless”, then press [OK].
3. Use [▲ / ▼] to select “Auto Scan”, then press [OK].
 - This unit will start searching for Wi-Fi networks automatically.
4. The result of Wi-Fi network searching will be displayed. Use [▲ / ▼] to select the appropriate Wi-Fi network name (SSID), then press [OK].
 - If you select an SSID without “🔒”, please go to step 6.



5. “Access Point Setting (Auto Scan)” screen will appear. Enter the WEP / WPA key of the selected Wi-Fi network using cursor buttons, number buttons and color key, then press [Red].
 - If you do not know the WEP / WPA key for your Wi-Fi network, ask your ISP or the person who set up your Wi-Fi Network.



6. Use [▲ / ▼] to select “Continue”, then press [OK].



7. Use [▲ / ▼] to select “Auto Setup” or “Manual Setup”, then press [OK].
 - If you select “Auto Setup”, follow step 5 in “Auto Setup” on page 44.
 - If you select “Manual Setup”, follow steps 3 to 12 and 14 to 16 in “Manual Setup” on page 44.

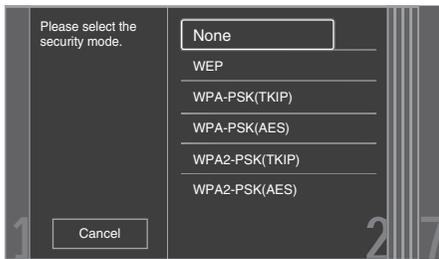
⊖ **Note**

- The internal wireless LAN supports following specifications
 - Wi-Fi standards : IEEE 802.11 b/g/n
 - Frequency spectrum : 2.4 GHz
 - Security protocol : WEP / WPA / WPA2

Manual Entry

Set up the connection to the Wi-Fi network manually by entering the Wi-Fi network name (SSID).

1. Follow steps 1 to 2 in “Auto Scan” on page 46.
2. Use [▲ / ▼] to select “Manual Entry”, then press [OK].
3. “Access Point Setting (Manual Entry)” screen will appear.
Enter the SSID using cursor buttons, number buttons and color key, then press [Red].
4. Security mode selection screen will appear. Select the security mode of the entered SSID, then press [OK].
 - If you select “None”, please go to step 6.



5. “Access Point Setting (Manual Entry)” screen will appear.
Enter the WEP / WPA key of the Wi-Fi network using cursor buttons, number buttons and color key, then press [Red].
 - If you do not know the WEP / WPA key for your Wi-Fi network, ask your ISP or the person who set up your Wi-Fi Network.
6. Use [▲ / ▼] to select “Continue”, then press [OK].
7. Use [▲ / ▼] to select “Auto Setup” or “Manual Setup”, then press [OK].
 - If you select “Auto Setup”, follow step 5 in “Auto Setup” on page 44.
 - If you select “Manual Setup”, follow steps 3 to 12 and 14 to 16 in “Manual Setup” on page 44.

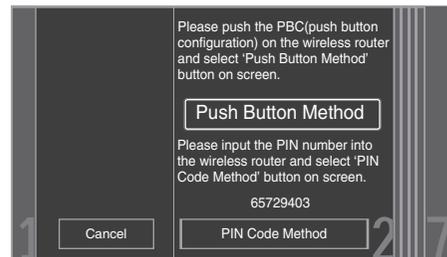
Easy Connect

You can set up the Wi-Fi connection quickly. (“Easy Connect” is available only when your router supports it. For details, please refer to the user manual of your Wi-Fi router.)

Push Button Method

Please confirm your Wi-Fi router has a PBC button.

1. Follow steps 1 to 2 in “Auto Scan” on page 46.
2. Use [▲ / ▼] to select “Easy Connect”, then press [OK].
3. Use [▲ / ▼] to select “Push Button Method”, then press [OK]. And push the PBC (Push Button Configuration) on your Wi-Fi router.
 - The unit will start the connection test automatically and the test result will appear right after the connection test finishes.



4. Select “Finish” to complete the settings.

PIN Code Method

1. Follow steps 1 to 2 in “Auto Scan” on page 46.
2. Use [▲ / ▼] to select “Easy Connect”, then press [OK].
3. Set up your Wi-Fi router with PIN code shown on the TV screen.
 - For details about setting method of your Wi-Fi router, please refer to the user manual of the router.
4. Use [▲ / ▼] to select “PIN Code Method”, then press [OK].
5. The unit will start the connection test automatically and the test result will appear right after the connection test finishes.
6. Select “Finish” to complete the settings.

■ View Network Settings / View Wireless Settings

You can check the current status of network settings or Wi-Fi settings.

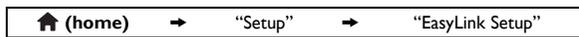
1. Follow steps 1 to 2 in “Connection Test” on page 43.
2. Use [**▲** / **▼**] to select “View Network Settings” or “View Wireless Settings”, then press [**OK**].
 - The current network settings or Wi-Fi settings will be displayed.
3. Press [**⬆** (home)] to exit.

■ Netflix ESN

You can view the ESN number which is a serial number used by Netflix to identify a device. Netflix customer service might ask you for this number during troubleshooting.

1. Follow steps 1 to 2 in “Connection Test” on page 43.
2. Use [**▲** / **▼**] to select “Netflix ESN”, then press [**OK**].
3. Press [**⬆** (home)] to exit.

12.4. EasyLink Setup



This unit supports Philips EasyLink, which enables your TV (limited to Philips brand EasyLink TV) to act in conjunction with this unit, or vice versa. Compliant TV must be connected to the HDMI OUT jack.

When “EasyLink” setting is set to “On”, functions listed below will be available.

One Touch Play

When the operations with following buttons of the remote control of this unit are performed, the TV will automatically be turned on and switched to the appropriate input channel. (“One Touch Play” can be turned off by setting it to “Off”.)

Buttons for one touch play:

- [**▶** (play)], [**◀** (previous)], [**▶** (next)], [**Number** buttons], [**⬆** (home)], or [**Net-TV**]
- [**TOP MENU**], or [**DISC MENU / POP-UP MENU**] (when a disc is inserted in the unit)

One Touch Standby

When you press and hold [**⏻** (standby/on)] for 2 seconds, it turns off the power of the TV first and then it turns off the power on this unit. When the connected EasyLink compatible display device is turned off first, it then turn off the power on this unit. (“One Touch Standby” can be turned off by setting it to “Off”.)

System Information

Get & Set Menu Language

The unit recognizes the OSD language set of the TV and automatically sets the same language as the player menu language (OSD menu language) for this unit. Refer to the “Menu Language” on page 40 for available languages.

- This feature is available only when “Auto (XXXX)” is selected in the “Menu Language” in the setup menu.

12.5. Parental Control



Some BD-videos or DVD-videos feature parental lock levels. Playback will stop if the ratings exceed the levels you set, it will require you to enter a password before the disc will play back. This feature prevents your children from viewing inappropriate material.

1. Use [**▲** / **▼** / **◀** / **▶**] to select “Setup” in the home menu, then press [**OK**].
2. Use [**▲** / **▼**] to select “Preference Setup”, then press [**OK**].
3. Use [**▲** / **▼**] to select “Parental Control”, then press [**OK**].

For the first time only :

Use **[the Number buttons]** to enter any 4-digit number (except for 4737). That number will be used as the password. Record your password, in case you forget it.

- If you forget the password, enter **[4], [7], [3], [7]**. The password will be cleared and rating level will be set to “Off”.
- While you input the password, select “Clear” to clear the number, then re-enter the password.

Once a password is set :

Use **[the Number buttons]** to enter your 4-digit password.

4. Use **[▲ / ▼]** to select your desired parental lock level, then press **[OK]**.
5. Press **[⬆ (home)]** to exit.

	RATING EXPLANATIONS
Off	• Parental control is inactive; all discs can play back.
8 [Adult]	• DVD software of any grades (adult / general / children) can be played back.
7 [NC-17]	• No one under 17.
6 [R]	• Restricted; under 17.
5 [PGR]	• Parental Guidance Recommended.
4 [PG-13]	• Unsuitable for children under 13.
3 [PG]	• Parental Guidance suggested.
2 [G]	• General Audience.
1 [Kid Safe]	• Suitable for children.

To cancel parental lock temporarily :

Some discs allow you to cancel parental lock temporarily. With these discs, the message below will appear when you try to play them back.

“Enter current password.”

Follow the instruction which appears on the TV screen to cancel parental lock. After entering the password, “Parental Control” appears. Select desired parental lock level, then press **[OK]**.

■ Change Password

1. Follow steps 1 to 2 in “Parental Control” on page 48.
2. Use **[▲ / ▼]** to select “Change Password”, then press **[OK]**.
3. Use **[the Number buttons]** to enter your 4-digit password.
4. Use **[the Number buttons]** to enter a new 4-digit password.
5. Use **[the Number buttons]** to retype the same new 4-digit password.
6. Use **[▲ / ▼ / ◀ / ▶]** to select “Confirm”, then press **[OK]**.
7. Press **[⬆ (home)]** to exit.

12.6. Software Update



Philips continuously tries to improve its products and we strongly recommend that you update the software when updates are available. New software can be downloaded from our website at www.philips.com/support using the model number of your Blu-ray Disc™ Player (e.g. BDP5506) to find information.

■ Disc / USB Update

You can update the software by using a disc or USB storage device.

1. Use **[▲ / ▼ / ◀ / ▶]** to select “Setup” in the home menu, then press **[OK]**.
2. Use **[▲ / ▼]** to select “Advanced Setup”, then press **[OK]**.
3. Use **[▲ / ▼]** to select “Software Update”, then press **[OK]**.
4. Use **[▲ / ▼]** to select “Disc” or “USB”, then press **[OK]**.
5. Use **[◀ / ▶]** to select “Yes”, then press **[OK]**.
6. Insert the disc or USB storage device for software update.
7. After loading the disc or USB storage device, confirmation message will appear. Select “Yes” and press **[OK]** to start updating.
 - It may take a while to complete the update.
8. After the update finishes, this unit will restart. Remove the disc or USB storage device from the unit.

⚠ Caution

- Please do not disconnect the AC power cord or USB storage device while executing the “Disc” or “USB” update.

☰ Note

- Please visit www.philips.com/support to download the latest software version. Please read the software update Read-me file carefully before performing an update using a disc or USB storage device.
- All settings will remain the same even if you update the software version.
- The version of Netflix will also be updated if newer version of Netflix is available when updating the software.

■ Network Update

You can update the software by connecting the unit to the Internet.

1. Follow steps 1 to 3 in “Disc / USB Update” on page 49.
2. Use [▲ / ▼] to select “Network”, then press [OK].
3. Use [◀ / ▶] to select “Yes”, then press [OK].
 - This unit will then start checking for the latest software version.
4. Confirmation message will appear. Select “Yes”, then press [OK].
 - The unit will start downloading the latest software version.
5. When the download completes, confirmation message will appear. Press [OK].
 - The unit will start updating the software version.
 - It may take a while to complete the update.
6. After updating finishes, this unit will restart automatically.

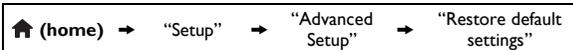
⚠ Caution

- Please do not unplug the AC power cord or LAN cable while executing the “Network” update.

☰ Note

- In order to update the software via the Internet, you must connect the unit to the Internet and set up necessary settings.
- For the network connection, refer to “Connection to the Network” on page 20.
- For the network setup, refer to “Network Installation” on page 43.
- All settings will remain the same even if you update the software version.
- The version of Netflix will also be updated if newer version of Netflix is available when updating the software.

12.7. Restore Default Settings



Menus to reset player settings, format USB storage device, local storage and clear network settings.

1. Use [▲ / ▼ / ▶ / ◀] to select “Setup” in the home menu, then press [OK].
2. Use [▲ / ▼] to select “Advanced Setup”, then press [OK].
3. Use [▲ / ▼] to select “Restore default settings”, then press [OK].
4. Use [▲ / ▼] to select the desired setting, then press [OK].

“Reset Settings” :

All the settings except for the “Parental Control” and “Network Installation” setting will be reset to default.

“Format USB” (Available only when a USB storage device is connected):

Initialize the USB storage device.

“(Unit) Erase Saved BD-ROM Data”:

Clears the data saved for the BD-ROM contents, such as BD-ROM game scores, on this player.

“(USB) Erase Saved BD-ROM Data” (Available only when a USB storage device is connected):

Clears the supplemental data for the BD-ROM playback, such as subtitle data, from the USB storage device.

“Reset Network Settings”:

Reset the network setting to the default.

5. Use [◀ / ▶] to select “Yes”, then press [OK].
 - Confirmation message will appear. Press [OK] to complete the setting.
6. Press [🏠 (home)] to exit.

⚠ Caution

- Do not remove the USB storage device while executing the “Format USB” or “(USB) Erase Saved BD-ROM Data”. It will damage the USB storage device.

☰ Note

- “Format USB” and “(USB) Erase Saved BD-ROM Data” are not available when a Blu-ray Disc™ is in the unit.

13. TROUBLESHOOTING

Problem	Tip
No reaction to the remote control.	Connect the product to the power outlet.
	Point the remote control at the product.
	Insert the batteries with the correct polarity.
	Insert new batteries in the remote control.
No video signal on the display device.	Turn on the TV.
	Set the TV to the correct external input.
	Select the correct video resolution using [HDMI] .
	Touch and hold [▶ (play)] on the front panel for 5 seconds to change the setting back to its default.
No audio / video signal on the display device via HDMI cable.	If the unit is connected to the unauthorized display device with an HDMI cable, the audio / video signal may not be output.
	Perform an HDMI cable hotplug, wherein you disconnect the HDMI cable from the TV and this unit and then reconnect it to both the devices while they are powered on.
	Ensure that your HDMI cable is certified.
No high-definition video signal on the TV screen.	Does the disc contain high-definition video? High-definition video is not available when the disc does not contain it.
	Does the TV support high-definition video? High-definition video is not available when the TV does not support it.
No 3D video on the TV screen.	Check if your TV is 3D capable.
	Use a 3D compatible HDMI cable to connect the 3D capable TV.
	Set "3D Output" to "Auto (XX)". (Refer to page 39.)
	Wear 3D glasses and make sure they are switched on and in sync with your TV.
	Check the battery levels of your glasses.
Refer to your 3D TV's user manual for more information.	
No audio signal from the loudspeakers of the TV screen.	Assign the audio input of the TV to the corresponding video input.
	Ensure that the TV's speakers are turned on in the TV menu.
	Ensure that the TV's speakers are not muted.
No audio signal from the loudspeakers of the audio system.	Turn on the audio system.
	Set the audio system to the correct external audio input.
	Increase the volume level of the audio system.
Cannot play back a disc.	Make sure that the product supports the disc.
	Check the region code of the disc. This unit supports following region codes. - Blu-ray Disc™ : "A" - DVD : "ALL" or "1" for BDP5506/F7 (USA / Canada) "ALL" or "4" for BDP5506/F8 (Mexico)
	For DVD-RW/-R, make sure that the disc is finalized.
	Clean the disc.
USB storage device cannot be read.	The format of the device is not accepted by this unit or the device is not compatible.
Cannot play back JPEG files from a disc.	Make sure that the disc was recorded in the UDF, ISO9660 or JOLIET format.
Cannot play back MP3 files from a disc.	Make sure that the disc was recorded in the UDF, ISO9660 or JOLIET format.
	Make sure that the bit rate of the MP3 files is between 112 and 320 kbps.
	Make sure that the sample rate of the MP3 files is 32 kHz, 44.1 kHz or 48 kHz.
Cannot play back Windows Media™ Audio files from a disc.	Make sure that the sample rate of the Windows Media™ Audio files is 44.1 kHz or 48 kHz.

Problem	Tip
 in the upper right hand corner of the TV screen.	The operation is not possible.
Buttons do not work or the unit stops responding.	To completely reset the unit, touch and hold [⏻ (standby/on)] on the front panel for 10 seconds to shut down the unit or unplug the AC cord from the AC outlet for 5-10 seconds.
Cannot find a JPEG file.	<p>Make sure that the selected group (folder) does not contain more than 9,999 files for Blu-ray Disc™ / DVD / USB storage device, and 999 files for CD.</p> <p>Make sure that the file extension is .jpg, .JPG, .jpeg or .JPEG.</p>
Cannot find an MP3 and Windows Media™ Audio file.	<p>Make sure that the selected folder does not contain more than 9,999 files for Blu-ray Disc™ / DVD / USB storage device, and 999 files for CD.</p> <p>Make sure that the file extension is .mp3 or .MP3 for MP3, and .wma or .WMA for Windows Media™ Audio.</p>
Cannot play back AVCHD file.	<p>This unit cannot play back standalone AVCHD files (*.m2ts, *.mts or *.m2t) written to a DVD. The DVD containing AVCHD files must have a proper file and folder structure meeting AVCHD format specifications.</p> <p>Please use AVCHD compliant device / software to burn or copy AVCHD files to DVD. (Please refer to user manuals of the device / software for more information.)</p>
Error message appears when I select "Auto" in the "Menu Language".	<p>Make sure that the unit is connected to the Philips brand EasyLink TV and the "EasyLink" is set to "On".</p> <p>This error message may appear when your TV's OSD language is not supported by this unit.</p>
Cannot connect to the network.	<p>Check if the network connection is properly made.</p> <p>Turn on the modem or router.</p> <p>Check the network settings.</p> <p>Check if the router and/or modem is correctly connected.</p> <p>Check the BD-Live™ setting in "Manual Setup" on page 44.</p> <p>When connecting directly to a modem via a LAN cable, you might need to power cycle the modem to reset settings on the modem.</p>

Problem	Tip
Cannot use the Wi-Fi connection.	Once you have activated the Wi-Fi connection please wait for 30 seconds for the connection to be established after turning on the unit, before trying to access network features such as BD-Live™, Netflix, Film Fresh, Blockbuster, VUDU or Pandora.
Cannot get into the PC's screen after "MediaConnect" is selected.	<p>The startup screen (Philips logo with spinning circle) keep displaying until the unit found the PC that is running Philips Wireless MediaConnect.</p> <p>Make sure if the network connection is connected properly.</p> <p>Check if your PC runs Philips Wireless MediaConnect.</p> <p>Make sure this unit and PC are connected on the same network.</p>
I have a 1.8GHz CPU but MediaConnect does not work on my PC.	<p>For smooth operation of your PC while Philips MediaConnect is running you need a mainstream dual core processor from Intel or AMD.</p> <p>Intel: Core2Duo or Core i3/5/7 @ 1.8GHz or higher.</p> <p>AMD: Athlon II X2, Turion II Dual-Core or Phenom X2 @ 2GHz or higher.</p>
Cannot connect to the network while my PC is connected to the network.	Check the content of your Internet service contract to see if your Internet Service Provider prevents multiple terminals connecting at the same time.
The capacity of the USB storage device decreased.	Data may be written to the USB storage device when a BD-video that supports the virtual package is used and a USB storage device is connected.
MPEG-2 video and audio on the USB storage device cannot be played back.	MPEG-2 is noncompliant on this unit.
The contents of the USB storage device cannot be read.	<p>The USB storage device is not compatible or the contents on the USB storage device may be damaged.</p> <p>Turn off and then turn the unit on again.</p>
Cannot use the BD-Live™ function or download of data does not perform properly.	<p>Insert a USB storage device with enough capacity (1GB or more).</p> <p>Check if a USB storage device is correctly inserted.</p>
Cannot play back BD-video (BD-ROM Profile 2.0).	<p>Insert a USB storage device (1GB or more) which is formatted on this unit. Some discs with BD-Live™ function require memory when playing back the content.</p> <p>Do not remove the USB storage device during playback.</p>

13.1. Downloading an Electronic Copy

To obtain an electronic copy of this manual :

1. Point your browser to **www.philips.com/support**
2. Choose your country of location.
3. Enter the model number or a keyword in the “Find your product” field. Alternatively, you can browse the catalog.
4. Click the description or model.
5. Under Product support, click “User manuals”.

13.2. Contact Us

- If you cannot resolve your problem, refer to the FAQ for this Blu-ray Disc™ Player at **www.philips.com/support**
If the problem remains unresolved, contact the Customer Support Center in your country.

Note

- Do not attempt to repair the Blu-ray Disc™ Player yourself. This may cause severe injury, irreparable damage to your Blu-ray Disc™ Player or void your warranty.
- Please have your Blu-ray Disc™ Player model and serial number available before contacting us.
These numbers are available on the cabinet, as well as on the packaging.

14. GLOSSARY

Analog Audio

An electrical signal that directly represents sound. Compare this to digital audio which can be an electrical signal, but is an indirect representation of sound. See also “Digital Audio”.

Aspect Ratio

The width of a TV screen relative to its height. Conventional TVs are 4:3 (in other words, the TV screen is almost square); widescreen models are 16:9 (the TV screen is almost twice as wide as its height).

AVCHD

AVCHD is a new format for high definition video camcorders which can record and play high-resolution HD images.

BD-Live™

BD-Live™ is a BD-video (BD-ROM version 2 Profile 2.0) which contains new functions (e.g. Internet connection), in addition to the BONUSVIEW™ function.

Blockbuster

Blockbuster is online service which you can rent or purchase movies and TV episodes streamed over the Internet.

Blockbuster is available only in the United States.

Blu-ray Disc™

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

Chapter

Just as a book is split up into several chapters, a title on a BD-video or DVD-video is usually divided into chapters. See also “Title”.

Digital Audio

An indirect representation of sound by numbers. During recording, the sound is measured at discrete intervals (44,100 times a second for CD audio) by an analog-to-digital converter, generating a stream of numbers. On playback, a digital-to-analog converter generates an analog signal based on these numbers. See also “Sampling Frequency” and “Analog Audio”.

DNS Server

A server which translates Internet domain names into IP addresses.

Dolby Digital

The system to compress digital sound developed by Dolby Laboratories. It offers you sound of stereo (2ch) or multi-channel audio.

Dolby Digital Plus

Dolby Digital Plus is the next generation digital audio compression technology developed as an extension to Dolby Digital. Blu-ray Disc™ supports 7.1 multi-channel surround sound output.

Dolby TrueHD

Dolby TrueHD is a lossless coding technology developed for next generation optical discs. Blu-ray Disc™ supports 7.1 multi-channel surround sound output.

DTS® (Digital Theater System)

DTS® is a multi channel surround sound system. You can enjoy movie dynamic and realistic sound like movie theater. DTS surround sound technologies were developed by DTS, Inc.

DTS-HD®

DTS-HD® is a lossless coding technology developed as an extension of the original DTS Coherent Acoustics format. Blu-ray Disc™ supports 7.1 multi-channel surround sound output.

Film Fresh

Film Fresh is online service which you can rent or purchase movies and TV episodes streamed over the Internet. Film Fresh is available only in the United States.

Gateway

IP address of the electronic devices (such as router) which provide Internet access.

HDMI (High-Definition Multimedia Interface)

A digital interface between audio and video source. It can transmit component video, audio, and control signal with one cable connection.

Hub

A device used for connecting multiple device to the network.

IP Address

A set of numbers which are assigned to devices participating in a computer network.

JPEG (Joint Photographic Experts Group)

JPEG is a method of compressing still picture files. You can copy JPEG files on BD-RE/-R, DVD-RW/-R, CD-RW/-R, or USB storage device from a computer and play back the files on this unit.

LAN (Local Area Network)

A group of computer networks covering a small area like a company, school or home.

Local Storage

A storage area of sub contents for playing virtual packages on BD-video.

MP3 (MPEG audio layer 3)

MP3 is a method of compressing files. You can copy MP3 files on BD-RE/-R, DVD-RW/-R, CD-RW/-R, or USB storage device from the computer and play back the files on this unit.

Netflix

Netflix is online movie rental service, offering online streaming to customers in the United States.

Pandora

Pandora is the personalized Internet radio service. You can instantly listen to personalized radio stations streamed over the Internet from Pandora. Pandora is available only in the United States.

PCM (Pulse Code Modulation)

The most common system of encoding digital audio, found on CD and DAT. Excellent quality, but requires a lot of data compared to formats such as Dolby Digital and MPEG audio. For compatibility with digital audio recorders (CD, MD and DAT) and AV amplifiers with digital inputs, this unit can convert Dolby Digital, DTS, and MPEG audio to PCM. See also "Digital Audio".

Proxy Server

Proxy server is a server which acts as an intermediary between a workstation user and the Internet to ensure security.

Region Code

Regions associate discs and players with particular areas of the world. This unit will only play back discs that have compatible region codes. You can find the region code of your unit by looking on the rear panel. Some discs are compatible with more than one region (or all regions).

Router

A networking device which distinguishes the IP address assigned to each device and routing and forwarding information in the computer network.

Sampling Frequency

The rate which sound is measured by a specified interval to turn into digital audio data. The numbers of sampling in one second defines as sampling frequency. The higher the rate, the better the sound quality.

Subnet Mask

A mask which is used to determine what subnet an IP address belongs to.

Title

A collection of chapters on BD-video or DVD-video. See also "Chapter".

Track

Audio CD uses tracks to divide up the content of a disc. The BD-video or DVD-video equivalent is called a chapter. See also “Chapter”.

Virtual Package

The function which copies data to other media (local storage) from the Internet and plays secondary video, secondary audio and subtitles at the same time. The method of the playback varies depending on discs.

VUDU

VUDU is a leading HD on-demand video service which utilizes the Internet connection to deliver the highest quality on-demand video and Internet applications.

Windows Media™ Audio

Windows Media™ Audio is the audio compressing technology developed by Microsoft. You can copy Windows Media™ Audio files on BD-RE/-R, DVD-RW/-R, CD-RW/-R, or USB storage device from a computer and play them back on this unit.

x.v.Color

“x.v.Color” is a promotion name given to the products that have the capability to realize a wide color space based on the xvYCC specifications and is a trademark of Sony Corporation.

15. LANGUAGE CODE LIST

Language	Code	Language	Code	Language	Code	Language	Code
A-B		French [FRE]	5264	Macedonian	5957	Siswat	6565
Abkhazian	4748	Frisian	5271	Malagasy	5953	Slovak [SLO]	6557
Afar	4747	Galician	5358	Malay	5965	Slovenian	6558
Afrikaans	4752	Georgian	5747	Malayalam	5958	Somali	6561
Albanian	6563	German [GER]	5051	Maltese	5966	Spanish [SPA]	5165
Amharic	4759	Greek [GRE]	5158	Maori	5955	Sundanese	6567
Arabic	4764	Greenlandic	5758	Marathi	5964	Swahili	6569
Armenian	5471	Guarani	5360	Moldavian	5961	Swedish [SWE]	6568
Assamese	4765	Gujarati	5367	Mongolian	5960	T	
Aymara	4771	Hausa	5447	Nauru	6047	Tagalog	6658
Azerbaijani	4772	Hebrew	5569	Nepali	6051	Tajik	6653
Bashkir	4847	Hindi	5455	Norwegian [NOR]	6061	Tamil	6647
Basque	5167	Hungarian [HUN]	5467	O-R		Tatar	6666
Bengali; Bangla	4860	I-K		Occitan	6149	Telugu	6651
Bhutani	5072	Icelandic [ICE]	5565	Oriya	6164	Thai	6654
Bihari	4854	Indonesian	5560	Oromo (Afan)	6159	Tibetan	4861
Bislama	4855	Interlingua	5547	Panjabi	6247	Tigrinya	6655
Breton	4864	Interlingue	5551	Pashto; Pushto	6265	Tonga	6661
Bulgarian [BUL]	4853	Inupiak	5557	Persian	5247	Tsonga	6665
Burmese	5971	Irish [GLE]	5347	Polish [POL]	6258	Turkish [TUR]	6664
Byelorussian	4851	Italian [ITA]	5566	Portuguese [POR]	6266	Turkmen	6657
C-E		Japanese [JPN]	5647	Quechua	6367	Twi	6669
Cambodian	5759	Javanese	5669	Rhaeto-Romance	6459	U-Z	
Catalan	4947	Kannada	5760	Romanian [RUM]	6461	Ukrainian	6757
Chinese [CHI]	7254	Kashmiri	5765	Russian [RUS]	6467	Urdu	6764
Corsican	4961	Kazakh	5757	S		Uzbek	6772
Croatian	5464	Kinyarwanda	6469	Samoan	6559	Vietnamese	6855
Czech [CZE]	4965	Kirghiz	5771	Sangho	6553	Volapuk	6861
Danish [DAN]	5047	Kirundi	6460	Sanskrit	6547	Welsh	4971
Dutch [DUT]	6058	Korean [KOR]	5761	Scots Gaelic	5350	Wolof	6961
English [ENG]	5160	Kurdish	5767	Serbian	6564	Xhosa	7054
Esperanto	5161	L-N		Serbo-Croatian	6554	Yiddish	5655
Estonian	5166	Laothian	5861	Sesotho	6566	Yoruba	7161
F-H		Latin	5847	Setswana	6660	Zulu	7267
Faroese	5261	Latvian; Lettish	5868	Shona	6560		
Fiji	5256	Lingala	5860	Sindhi	6550		
Finnish [FIN]	5255	Lithuanian	5866	Singhalese	6555		

⊖ Note

- If you choose a language that has a 3-letter-language code (written in bracket), the code will be displayed every time you change the subtitle language setting on page 33 or audio language setting on page 34. If you choose any other languages, “---” will be displayed instead.

16. SPECIFICATIONS

General

Signal System	NTSC Color
Power requirements	120 V AC, 60 Hz
Power consumption	20 W (standby: 0.5 W)
Dimensions (width x height x depth)	17.2 x 1.6 x 8.5 inches (435 x 38.9 x 213.85 mm)
Weight	4.4 lbs. (2.0 kg)
Operating temperature	41°F (5°C) to 104°F (40°C)
Operating humidity	Less than 80 % (no condensation)

Terminals

USB input

TYPE A	USB 2.0
	Bus power current: MAX. 500mA

Audio output (Analog)

RCA jack x 2	L/R: 2 Vrms (output impedance: more than 1kΩ)
--------------	-----------------------------------------------

Video output

RCA jack x 1	1 Vp-p (75Ω)
--------------	--------------

Audio output (Digital)

RCA jack x 1	500 mVp-p (75Ω)
--------------	-----------------

HDMI output

HDMI jack x 1	Video: 480p, 720p, 1080i, 1080p, 1080p24/Audio
---------------	------------------------------------------------

LAN terminal	10BASE-T / 100BASE-TX
---------------------	-----------------------

Wireless LAN (Internal)	IEEE 802.11 b/g/n
--------------------------------	-------------------

Note

- The specifications and design of this product are subject to change without notice.

17. IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D TELEVISIONS

Read the following information before viewing 3D television images.

CAUTION NOTICE:

1. Ambient fluorescent lighting may cause a flickering effect and direct sunlight may adversely affect the operation of your 3D glasses.
2. DO NOT place your television near open stairwells, balconies or other objects as viewing in 3D images may cause disorientation for some viewers resulting in falls, tripping or walking into objects.
3. If you experience (1) altered vision; (2) lightheadedness; (3) dizziness; (4) involuntary movements such as eye or muscle twitching; (5) confusion; (6) nausea; (7) loss of awareness; (8) convulsions; (9) cramps; and/or (10) disorientation, immediately stop watching 3D images and consult your doctor.
4. Parents should regularly monitor their children concerning the above symptoms as children and teenagers may be more likely to experience these symptoms more frequently than adults. Watching 3D television is not recommended for children under the age of 6 as their visual system is not yet fully developed.
5. Prolonged viewing of 3D images might cause discomfort, dizziness, eye strain, headaches or disorientation.

WARNING NOTICE:

1. Some viewers may experience an epileptic seizure or stroke when exposed to certain flashing images or lights contained in certain television pictures or video games. If you or any of your family has a history of epilepsy or stroke, please consult your doctor before viewing 3D images.
2. DO NOT watch 3D television if you are pregnant, elderly, sleep-deprived, suffering from serious medical conditions, in poor physical condition or under the influence of alcohol.
3. Sitting too close to the screen for an extended period of time may damage your eyesight. The ideal distance should be at least three times the height of the TV screen and at the viewer's eyes level.
4. Wearing the 3D glasses for any reason other than viewing 3D television (as general spectacles, sunglasses, protective goggles, etc.) may physically harm you or weaken your eyesight.
5. If you experience any discomfort while viewing 3D images, stop and do not immediately engage in any potentially hazardous activity such as driving a car until your symptoms have disappeared. If your symptoms persist, do not resume watching 3D images without consulting your doctor.

18. ONE (1) YEAR LIMITED WARRANTY

WARRANTY COVERAGE:

This warranty obligation is limited to the terms set forth below.

WHO IS COVERED:

This product is warranted to the original purchaser or the person receiving the product as a gift against defects in materials and workmanship as based on the date of original purchase ("Warranty Period") from an Authorized Dealer. The original sales receipt showing the product name and the purchase date from an authorized retailer is considered such proof.

WHAT IS COVERED:

This warranty covers new products if a defect in material or workmanship occurs and a valid claim is received within the Warranty Period. At its option, the company will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new, or serviceable used parts and is at least functionally equivalent or most comparable to the original product in current inventory, or (3) refund the original purchase price of the product.

The Company warrants replacement products or parts provided under this warranty against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product's warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes the company's property. When a refund is given, your product becomes the company's property.

Note: Any product sold and identified as refurbished or renewed carries a ninety (90) day limited warranty.

Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay.

WHAT IS NOT COVERED - EXCLUSIONS AND LIMITATIONS:

This Limited Warranty applies only to the new products that can be identified by the trademark, trade name, or logo affixed to it. This Limited Warranty does not apply to any non-Philips hardware product or any software, even if packaged or sold with the product. Non-Philips manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the bundled product.

The Company is not liable for any damage to or loss of any programs, data, or other information stored on any media contained within the product, or any non-Philips product or part not covered by this warranty. Recovery or reinstallation of programs, data or other information is not covered under this Limited Warranty.

This warranty does not apply (a) to damage caused by accident, abuse, misuse, neglect, misapplication, or non-Philips product, (b) to damage caused by service performed by anyone other than an Authorized Service Location, (c) to a product or

a part that has been modified without written permission, or (d) if any serial number has been removed or defaced, or (e) product, accessories or consumables sold "AS IS" without warranty of any kind by including refurbished Philips product sold "AS IS" by some retailers.

This Limited Warranty does not cover:

- Shipping charges to return defective product.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna/signal source systems outside of the product.
- Product repair and/or part replacement because of improper installation or maintenance, connections to improper voltage supply, power line surge, lightning damage, retained images or screen markings resulting from viewing fixed stationary content for extended periods, product cosmetic appearance items due to normal wear and tear, unauthorized repair or other cause not within the control of the company.
- Damage or claims for products not being available for use, or for lost data or lost software.
- Damage from mishandled shipments or transit accidents when returning product.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Failure to operate per Owner's Manual.

TO OBTAIN ASSISTANCE IN THE U.S.A., CANADA, PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Contact Customer Care Center at:
1-866-309-0866

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. PHILIPS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

P&F USA, Inc.
PO Box 430 Daleville, IN 47334-0430

LICENSE

This section describes software license used for this product.

This product uses some open source software:

GPL software: linux, module-init-tools, mount, nettools, sash, Realtek WiFi driver
LGPL software: directfb, glibc, Qt, live555
BSD: WPA Supplicant
MIT: expat, lua, lua-xmlreader, lua-slnrcrypto, libxml2
MIT/X: cURL
XML-RPC FOR C/C++ license: xmlrpc
gSOAP Public License: gSOAP
Free Type, LibJPEG, Open SSL, Vera Fonts

GPL

GNU General Public License (GPL)

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software—to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too. When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all. The precise terms and conditions for copying, distribution and modification follow. TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.
- If the modified program normally reads commands interactively when run, you

must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the Program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries

either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does.

Copyright (C) *yyyy* *name of author*

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA. Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) *year name of author* Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'. This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yooyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989

Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

If you are interested in obtaining GPL source code used in this product, please contact P&F USA, Inc.,
PO Box 430 Daleville, IN 47334-0430 U.S.A.

LGPL

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

GNU LESSER GENERAL PUBLIC LICENSE

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to

be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law; that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- The modified work must itself be a software library.
- You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange. If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the Library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the

Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

- Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

- If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

- Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

- Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations

under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.
13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW, EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.
16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample;

alter the names:

Yodydyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

If you are interested in obtaining LGPL source code used in this product, please contact P&F USA, Inc.,
PO Box 430 Daleville, IN 47334-0430 U.S.A.

BSD

Copyright (c) 2003-2010, Jouni Malinen <j@w1.fi> and contributors All Rights Reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name(s) of the above-listed copyright holder(s) nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

MIT

• expat
Copyright © 1998, 1999, 2000 Thai Open Source Software Center Ltd and Clark Cooper
Copyright © 2001, 2002, 2003, 2004, 2005, 2006 Expat maintainers.

• lua
Copyright © 1994 - 2010 Lua.org, PUC-Rio.

• lua-xmlreader
Copyright © 2008 A.S. Bradbury

• lua-sncrypto
Copyright © 2005 Maleté Partner; Berlin, partner@malete.org

• libxml2
Copyright © 1998-2003 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

MIT/X

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2009, Daniel Stenberg, <daniel@haxx.se>.

All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE

SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

gSOAP

Part of the software embedded in this product is gSOAP software.

Portions created by gSOAP are Copyright (C) 2001-2009 Robert A. van Engelen, Genivia inc. All Rights Reserved.

THE SOFTWARE IN THIS PRODUCT WAS IN PART PROVIDED BY GENIVIA INC AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Free Type

Portions of this software are copyright (c) 2001, 2002, 2003, 2004, 2006 The FreeType Project (www.freetype.org). All rights reserved.

LibJPEG

This software is based in part on the work of the Independent JPEG Group.

Open SSL

LICENSE ISSUES

=====

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.

OpenSSL License

```
/* =====
 * Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.
 * Redistribution and use in source and binary forms, with or without modification,
 * are permitted provided that the following conditions are met:
 * 1. Redistributions of source code must retain the above copyright notice, this list
 * of conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright notice,
 * this list of conditions and the following disclaimer in the documentation and/
 * or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software must
 * display the following acknowledgment: "This product includes software develop-
 * ed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.
 \* openssl.org/)"
 * 4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse
 * or promote products derived from this software without prior written
 * permission. For written permission, please contact openssl-core@openssl.org.
 * 5. Products derived from this software may not be called "OpenSSL" nor may
 * "OpenSSL" appear in their names without prior written permission of the
 * OpenSSL Project.
 * 6. Redistributions of any form whatsoever must retain the following acknowledgment:
 * "This product includes software developed by the OpenSSL Project for
 * use in the OpenSSL Toolkit (http://www.openssl.org/)"
 * THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT ``AS IS'' AND
 * ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIM-
 * ITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
 * FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL
 * THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY
 * DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUEN-
 * TIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
 * SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR
 * BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY
 * OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
 * OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY
 * OF SUCH DAMAGE.
 * =====
 * This product includes cryptographic software written by Eric Young (eay@
 * cryptsoft.com). This product includes software written by Tim Hudson (tjh@
 * cryptsoft.com).
 *
 */
```

Original SSLeay License

```
/* Copyright (C) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved.
 * This package is an SSL implementation written by Eric Young (eay@cryptsoft.
 * com).
 * The implementation was written so as to conform with Netscapes SSL.
```

```
* This library is free for commercial and non-commercial use as long as the
 * following conditions are adhered to. The following conditions apply to all code
 * found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the
 * SSL code. The SSL documentation included with this distribution is covered by
 * the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.
 * com).
 * Copyright remains Eric Young's, and as such any Copyright notices in the code
 * are not to be removed.
 * If this package is used in a product, Eric Young should be given attribution as the
 * author of the parts of the library used.
 * This can be in the form of a textual message at program startup or in documen-
 * tation (online or textual) provided with the package.
 * Redistribution and use in source and binary forms, with or without modification,
 * are permitted provided that the following conditions are met:
 * 1. Redistributions of source code must retain the copyright notice, this list of
 * conditions and the following disclaimer.
 * 2. Redistributions in binary form must reproduce the above copyright notice,
 * this list of conditions and the following disclaimer in the documentation and/
 * or other materials provided with the distribution.
 * 3. All advertising materials mentioning features or use of this software must
 * display the following acknowledgement: "This product includes cryptographic
 * software written by Eric Young (eay@cryptsoft.com)" The word 'crypto-
 * graphic' can be left out if the rouines from the library being used are not
 * cryptographic related :-).
 * 4. If you include any Windows specific code (or a derivative thereof) from the
 * apps directory (application code) you must include an acknowledgement:
 * "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"
 * THIS SOFTWARE IS PROVIDED BY ERIC YOUNG ``AS IS'' AND ANY
 * EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,
 * THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
 * A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
 * AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT,
 * INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
 * (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE
 * GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
 * INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIAB-
 * ILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING
 * NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
 * OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH
 * DAMAGE.
 * The licence and distribution terms for any publically available version or deriva-
 * tive of this code cannot be changed. i.e. this code cannot simply be copied and
 * put under another distribution licence
 * [including the GNU Public Licence.]
 */
```

Vera Fonts

Copyright
Copyright (c) 2003 by Bitstream, Inc. All Rights Reserved. Bitstream Vera is a trade-
mark of Bitstream, Inc.

Permission is hereby granted, free of charge, to any person obtaining a copy of the
fonts accompanying this license ("Fonts") and associated documentation files (the
"Font Software"), to reproduce and distribute the Font Software, including without
limitation the rights to use, copy, merge, publish, distribute, and/or sell copies of the
Font Software, and to permit persons to whom the Font Software is furnished to do
so, subject to the following conditions:

The above copyright and trademark notices and this permission notice shall be
included in all copies of one or more of the Font Software typefaces.

The Font Software may be modified, altered, or added to, and in particular the
designs of glyphs or characters in the Fonts may be modified and additional glyphs
or characters may be added to the Fonts, only if the fonts are renamed to names
not containing either the words "Bitstream" or the word "Vera".

This License becomes null and void to the extent applicable to Fonts or Font Soft-
ware that has been modified and is distributed under the "Bitstream Vera" names.

The Font Software may be sold as part of a larger software package but no copy of
one or more of the Font Software typefaces may be sold by itself.

THE FONT SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF
ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY
WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PUR-
POSE AND NON-INFRINGEMENT OF COPYRIGHT, PATENT, TRADEMARK, OR
OTHER RIGHT. IN NO EVENT SHALL BITSTREAM OR THE GNOME FOUNDATION
BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, INCLUD-
ING ANY GENERAL, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL
DAMAGES, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHER-
WISE, ARISING FROM, OUT OF THE USE OR INABILITY TO USE THE FONT
SOFTWARE OR FROM OTHER DEALINGS IN THE FONT SOFTWARE.

Except as contained in this notice, the names of GNOME, the GNOME Foundation,
and Bitstream Inc., shall not be used in advertising or otherwise to promote the
sale, use or other dealings in this Font Software without prior written authorization
from the GNOME Foundation or Bitstream Inc., respectively. For further information,
contact: fonts at gnome dot org.

xmlrpc

XML-RPC For C/C++ License

```
Copyright (C) 2001 by First Peer, Inc. All rights reserved.
Copyright (C) 2001 by Eric Kidd. All rights reserved.
Redistribution and use in source and binary forms, with or without modification,
are permitted provided that the following conditions are met:
```

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer:
 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.
- THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.



P&F USA, Inc.
PO Box 430 Daleville, IN 47334-0430

P&F Mexicana, S.A. de C.V.
Av. La Palma No. 6, Col. San Fernando La Herradura,
Huixquilucan Edo. de México C.P. 52787

Meet Philips at the Internet
<http://www.philips.com/support>



	ENERGIA
BDP5506	120 V ~ 60 Hz 20 W

Comercializado por : P&F Mexicana, S.A. DE C.V.
IMPORTADOR: Sojitz Mexicana, S.A. de C.V.
Av. Paseo de las Palmas no. 239-302
Col. Lomas de Chapultepec, c.p. 11000
México, D.F. 52 (55) 5202 - 7222
EXPORTADOR : FUNAI ELECTRIC CO. L.T.D.
País de Origen : CHINA

GARANTIA INCLUIDA EN EL INSTRUCTIVO DE USO



LEA CUIDADOSAMENTE ESTE INSTRUCTIVO
ANTES DE USAR SU APARATO.