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HTS3106/F7



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

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

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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 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. _____

PHILIPS 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 license-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 7.8 inches (20cm) 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.

1.2. Maintenance

■ Servicing

- Please refer to relevant topics on "TROUBLESHOOTING" on page 47 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™ Home Theater System contains materials which can be recycled and reused. At the end of its life, specialized companies can dismantle the discarded Home Theater System to concentrate the reusable materials and to minimize the amount of materials to be disposed of. Please ensure you dispose of your old Home Theater System 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)
- Quick Start Guide
- INFORMATION SHEET
- Registration card
- Video cable
- 1 center, 2 front, 2 rear speakers and 1 subwoofer

1.6. Trademark Information



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VUDU is a trademark of VUDU, Inc.



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

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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.

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 SD card 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 HTS3106 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 home theater system 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 33.

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 36.

Playing back contents from an SD card

You can play back AVCHD / MP3 / WMA / JPEG files stored in an SD card. BD-ROM Profile 2.0 (BD-Live™) and Profile 1.1 discs sometimes store picture-in-picture commentary, subtitles or other extras in the SD card 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 / SD card. 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.)

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.)

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

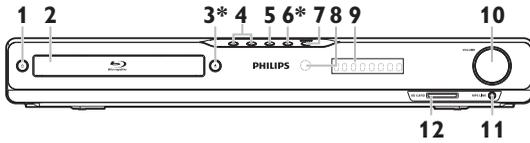
To specify which media type each function is applicable to, we put the following symbols at the beginning of each item to operate.

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 and SD card with AVCHD files
	Description refers to BD-RE/-R, DVD-RW/-R, CD-RW/-R and SD card with MP3 files
	Description refers to BD-RE/-R, DVD-RW/-R, CD-RW/-R and SD card with Windows Media™ Audio files
	Description refers to BD-RE/-R, DVD-RW/-R, CD-RW/-R and SD card 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



* 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.)
- Press and hold for 10 seconds to shut down the unit.

2. Disc tray

- Place a disc after opening the disc tray.

3. (open/close) button*

- Press to open or close the disc tray.

4. (previous/next) buttons

- Press to skip to the previous or next title / chapter / track / file.

5. (stop) button

- Press to stop playback.

6. (play) button*

- Press to start or resume playback.

7. SOURCE button

- Press to switch the active source mode.

8. Infrared sensor window

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

9. Display

- Refer to “Display Panel” on page 14.

10. VOLUME jog

- Rotate to adjust the volume.

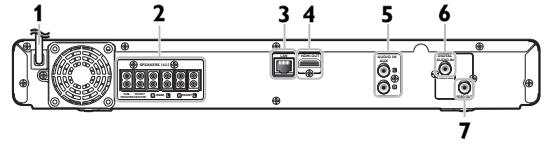
11. MP3 LINK jack

- Use to connect your portable audio player with 3.5mm stereo audio cable.

12. SD CARD slot

- Insert an SD card and play back the contents in it.

3.2. Rear Panel



1. 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.

2. 5.1ch Audio Out jacks (SPEAKERS (4Ω))

- Use to connect supplied 5.1ch speakers.

3. LAN terminal

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

4. HDMI OUT jack

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

5. AUDIO IN (AUX) jacks

- Use to connect to another device with audio out jacks with an audio cable.

6. DIGITAL AUDIO IN (COAXIAL) jack

- Use to connect to another device with a digital audio coaxial output jack with a digital audio coaxial cable.

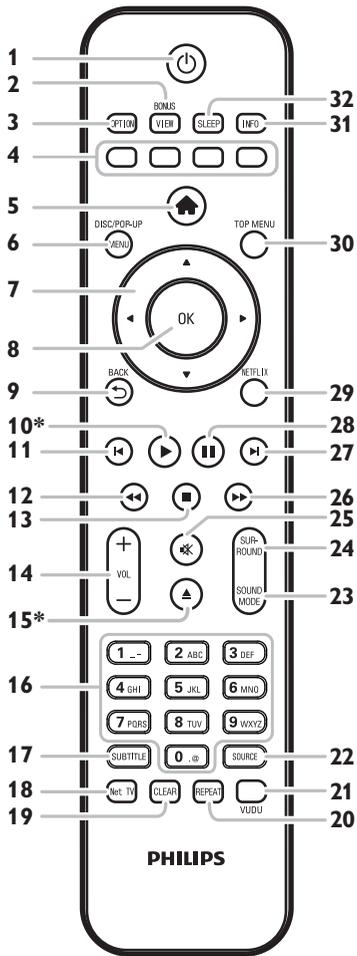
7. VIDEO OUT jack

- Use to connect a TV monitor, an AV receiver / amplifier or other device with a video 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. **VOL +/- button**

- Press to adjust the volume.

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 or letters in the input field.

17. **SUBTITLE button**

- Press to select subtitles on a disc.

18. **Net TV button**

- Press to display the network media mode menu.

19. **CLEAR button**

- Press to clear the information once entered.

20. **REPEAT button**

- Press to select repeat mode.

21. **VUDU button**

- Press to launch VUDU.

22. **SOURCE button**

- Press to switch the active source mode; home menu (Disc / SD card / Network), "Aux", "Coaxial" or "MP3 Link".

23. SOUND MODE button

- Press to select a sound effect mode.

24. SURROUND button

- Press to select surround mode.

25. (mute) button

- Press to mute the volume.

26. (forward) button

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

27. (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.

28. (pause) button

- Press to pause playback.

29. NETFLIX button

- Press to launch Netflix.

30. TOP MENU button

Blu-ray Disc™:

- Press to display the top menu.

DVD:

- Press to display the title menu.

31. INFO button

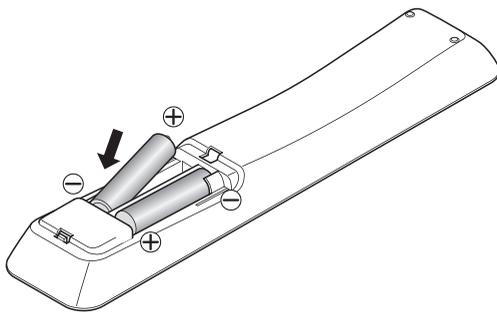
- Press to display the information display.

32. SLEEP button

- Press to set the sleep timer.

■ 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:

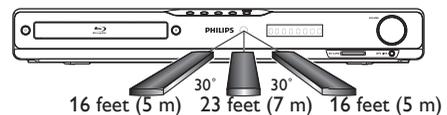
approx. 16 feet (5 m) within 30°

- 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, source mode, repeat type, menu type, etc.).



- * Brightness of the display can be adjusted. Refer to "Display Panel" in "LIST OF SETTINGS" on page 35.
- When switching the source mode, the following will be displayed.

Display	Mode
HOME	Home menu
AUX	"Aux" mode
COAXIAL	"Coaxial" mode

e.g.)



Indicating the elapsed time of playback.



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



Loading a disc or SD card.



Network media mode menu is displayed.

3.5. Guide to On-Screen Display

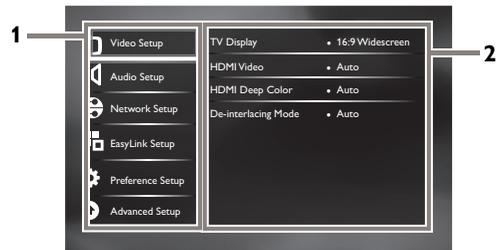
■ Home Menu

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 SD Card" : Displays a list of tracks / files on the inserted SD card or the media filter menu
- "Browse Net TV" : To access the menu of network services
- "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.

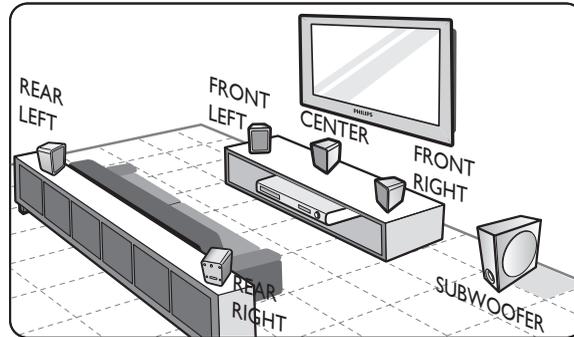
e.g.) Blu-ray Disc™



4. CONNECTIONS

4.1. Placing the Speakers

The Philips Blu-ray Disc™ Home Theater is simple to install. However, proper system placement is critical to ensure an optimum sound experience.



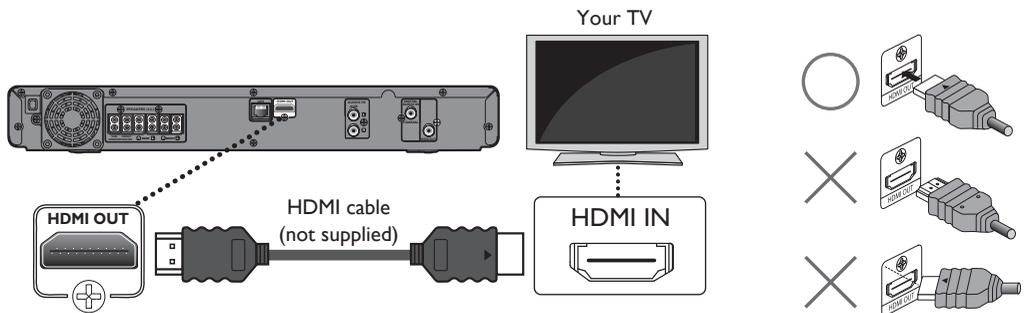
1. Place the main unit near to the TV.
2. Place the speakers system at normal listening ear-level and directly parallel to the listening area.
3. Place the subwoofer at the corner of the room or at least 1 meter away from the TV.

Note

- The placement diagram shown here is only a guideline that provides great system performance. You may find other placement choices that are more suitable for your room layout that provide the sound experience you enjoy.
- To avoid magnetic interference, never position the front speakers too close to your TV.
- The rear speakers are labeled as REAR LEFT or REAR RIGHT.
- The front speakers are labeled as FRONT LEFT or FRONT RIGHT.
- For speaker setup, refer to “Speaker Setup” on page 33.

4.2. Connection to the TV

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



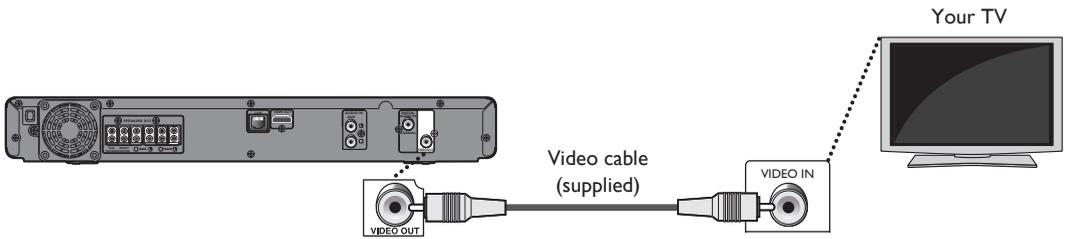
No analog audio connection required.

(*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.

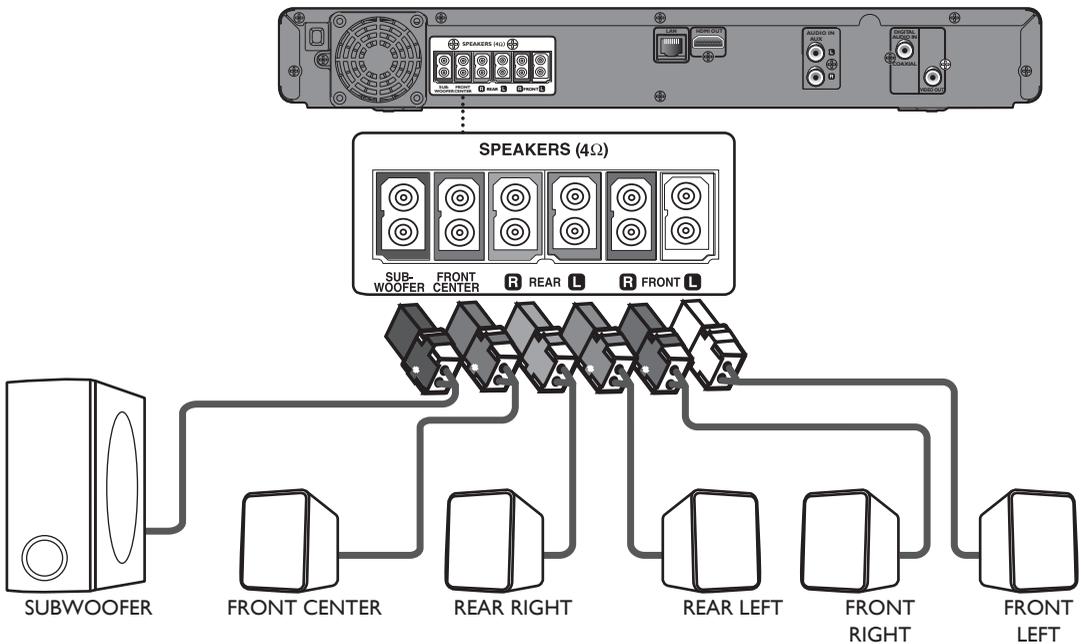
- Do not tilt the connector when inserting it into the HDMI jack, and make sure the shapes of the jack and the connector are matched.
- When connected to an HDCP incompatible display device, the picture will not be displayed properly.
- Use an HDMI cable with the HDMI logo (a certified HDMI cable) for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

■ Standard Video Connection (Supports only 480i resolution.)



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

4.3. Connecting Speakers and Subwoofer



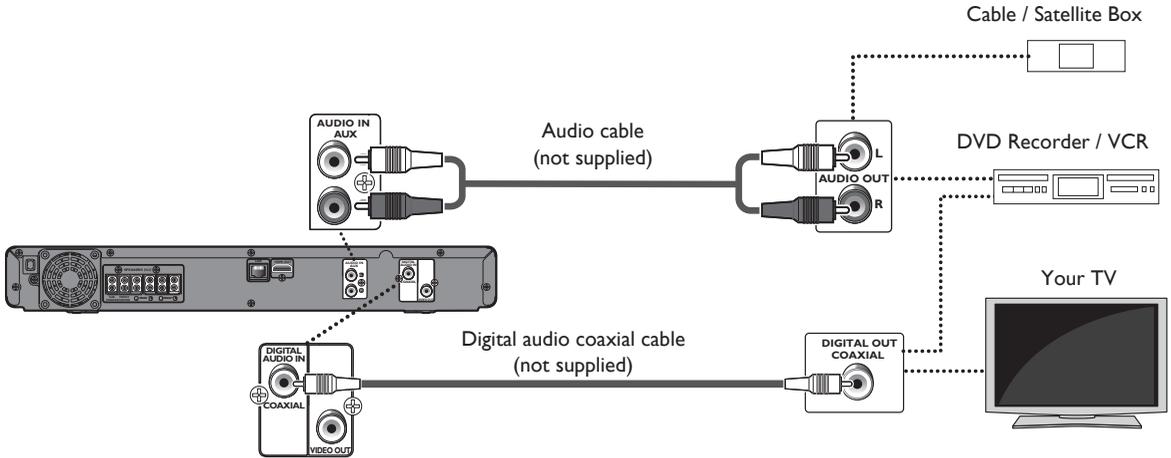
1. Connect the speaker cables to the matching color sockets on the speakers.
2. Connect all the speakers and subwoofer to the matching sockets at the rear of the main unit. Make sure that the colors of the cables and sockets match.

ⓘ Note

- To prevent unwanted noise, never place the speakers too close to the main unit, subwoofer, AC power adapter, TV or any other radiation sources.

4.4. Connecting Audio from Cable Box / Recorder / Game Console or TV

- This unit provides analog and digital audio connection. You can connect the audio output from an audio / video device (e.g. DVD Recorder, VCR, Cable / Satellite Box, game console or TV) to this Blu-ray Disc™ Home Theater in order to enjoy the multi-channel surround sound capabilities.

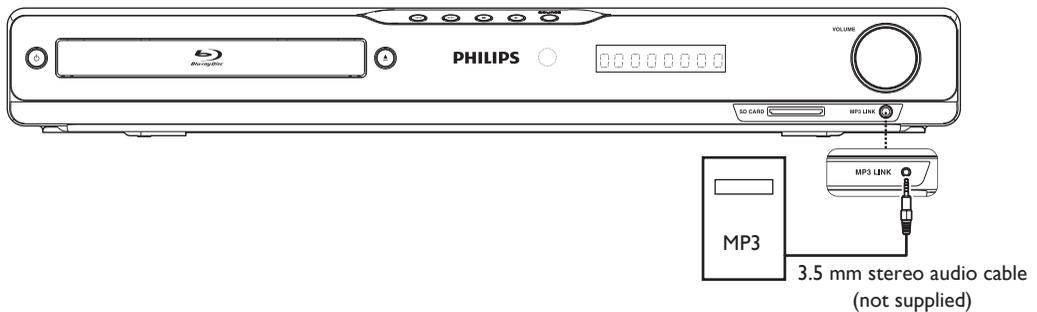


- Use an audio cable (not supplied) to connect the AUDIO IN (AUX) jacks on the main unit to the audio output jacks on the connected device.
- Use a digital audio coaxial cable (not supplied) to connect the DIGITAL AUDIO IN (COAXIAL) jack on the main unit to the digital audio coaxial output jack on the connected device.

Note

- To listen to the audio output from these connections, select “Speakers” in “Audio Output” (refer to page 33) and change the active source mode to the connected input. (Refer to “Switching Active Source Mode” on page 46.)

4.5. Connecting Portable Media Player



Connect a 3.5mm stereo audio cable (not supplied) to the MP3 LINK jack on this unit and the headphone jack on your portable media player.

Note

- To playback the audio from your portable media player, refer to “Play from Portable Media Player” on page 32.

4.6. Audio Output from HDMI OUT Jack

🏠 (home) → "Setup" → "Audio Setup" → "Audio Output"

If you set to "Speakers":

The audio output from the 5.1ch speakers differs depending on the audio source and the setting of surround mode. (Refer to "Selecting Surround Mode" on page 45.)

If you set to "HDMI Normal" or "HDMI LPCM":

Refer to the table below for the audio output from HDMI OUT jack.

	"Audio Output" setting	"HDMI Normal"		"HDMI LPCM"	
	"Blu-ray Disc Audio" setting →	"Primary Audio Only"	"Mix Audio Output"	"Primary Audio Only"	"Mix Audio Output"
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	
	Dolby Digital Plus	Dolby Digital Plus	Dolby Digital	Multi LPCM ^{*1}	Multi LPCM ^{*2}
	Dolby TrueHD	Dolby TrueHD	Dolby Digital	Multi LPCM ^{*3}	Multi LPCM ^{*4}
	DTS®	DTS®		Multi LPCM	
	DTS-HD®	DTS-HD®	DTS®	Multi LPCM ^{*1}	Multi LPCM ^{*5}
	LPCM	Multi LPCM		Multi LPCM	
DVD-video	Dolby Digital	Dolby Digital		Multi LPCM	
	DTS®	DTS®		Multi LPCM	
	LPCM	2ch LPCM		2ch LPCM	
DTS-CD	DTS®	DTS®		Multi LPCM	
AVCHD	Dolby Digital	Dolby Digital		Multi LPCM	
	LPCM	Multi LPCM		Multi 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	
VUDU	Dolby Digital Plus	Dolby Digital Plus		Multi LPCM ^{*1}	
	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

- 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 "HDMI Normal" in "Audio Output" 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".

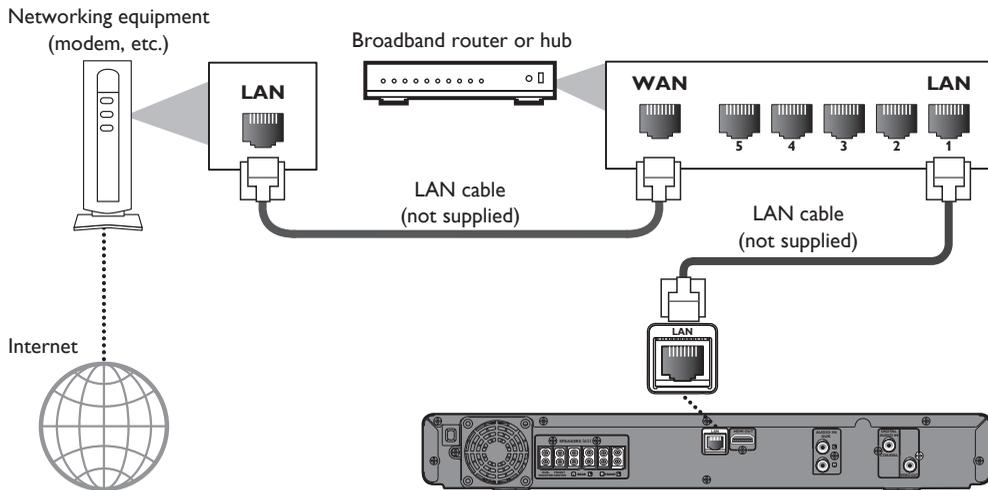
4.7. Connection to the Network

By connecting this unit to the Internet, you can update the software via the Internet, access BD-Live™, Netflix and VUDU 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 / VUDU)
 - Network update

■ Wired Connection



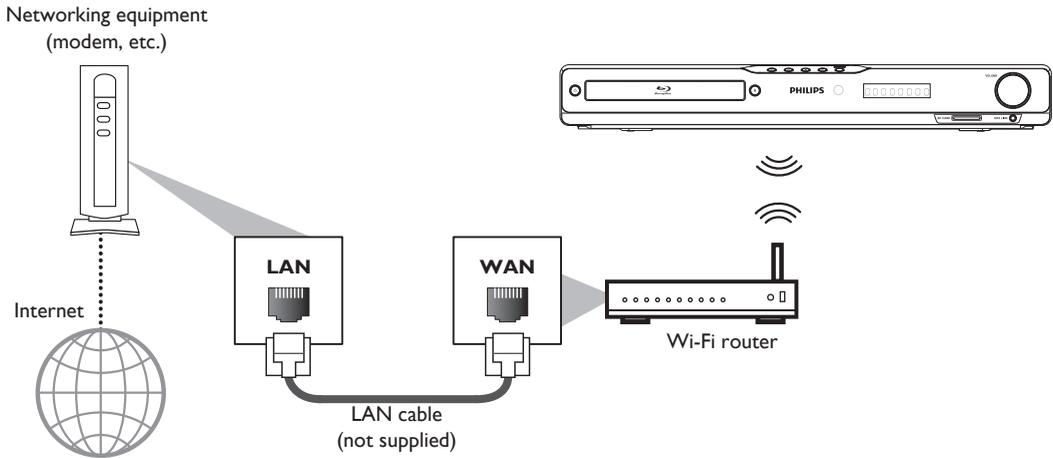
⚠ Caution

- 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 made a wired connection, set up necessary network settings.
(For network setting of wired connection, refer to “Wired” on page 38.)
- 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



☰ 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 40.)
- 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**].



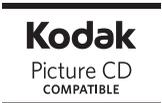
3. Quick start mode setup screen will appear. Use [**▲ / ▼**] to select the desired mode, then press [**OK**].
4. Auto software update setup screen will appear. Use [**▲ / ▼**] to select the desired mode, then press [**OK**].
5. Network setup screen will appear. Use [**▲ / ▼**] to select the desired mode, then press [**OK**].
 - If you select "Wired", refer to "Wired" on page 38 for further operation.
 - If you select "Wireless", refer to "Wireless" on page 40 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 - BD-RE* (ver. 2.1) (Recorded in BDMV format) - BD-R* (ver. 1.1 / 1.2 / 1.3) (Recorded in BDMV format) (Unfinalized disc 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 SD Memory Card miniSD Card microSD Card SDHC Memory Card miniSDHC Card microSDHC Card
MP3	BD-RE/-R DVD-RW/-R CD-RW/-R
Windows Media™ Audio	SD Memory Card miniSD Card microSD Card
JPEG	SDHC Memory Card miniSDHC Card microSDHC Card

Readable cards	Playable files / data
SD Memory Card (8 MB - 2 GB)	
miniSD Card (16 MB - 2 GB)	
microSD Card (256 MB - 2 GB)	AVCHD, MP3, WMA, JPEG, picture-in-picture commentary, subtitles or other extras for BD-ROM ver. 2 (Profile 2.0 / Profile 1.1)
SDHC Memory Card (4 GB - 32 GB)	
miniSDHC Card (4 GB - 8 GB)	
microSDHC Card (4 GB - 16 GB)	

■ Recommended Specifications

AVCHD

This unit cannot play back standalone AVCHD files (*.m2ts, *.mts or *.m2t) written to a DVD or copied to an SD card. The DVD or SD card 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 or SD card. (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 × 1,900 dots (sub sampling is 4:4:4)
5,120 × 3,840 dots (sub sampling is up to 4:2:2)
- Lower limit : 32 × 32 dots
- Maximum file size of a picture : 12MB

■ Folder / File Number Limitations

Blu-ray Disc™, DVD and SD card

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

CD

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

Caution / Note for SD Cards

⚠ Caution

- Do not try to open or modify the card.
- Do not touch the terminal surface with your fingers or any metals.
- Do not attach additional labels or stickers to cards.
- Do not remove the label of the SD cards.

ⓘ Note

- This unit supports SD Memory Card with FAT12 / FAT16 file system, and SDHC Memory Card with FAT32 file system.
- This unit does not support NTFS file system.
- This unit may not read SD cards formatted on a computer. If that is the case, please reformat the SD card in this unit and try again.
- For miniSD Card and microSD Card, an adapter is necessary.
- Portions of this product are protected under copyright law and are provided under license by ARIS / SOLANA / 4C.
- Please keep the SD cards in their cases when you are not using them.

■ Unplayable Discs and Files

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

- CD-ROM
- CD-I (compact disc-interactive)
- DVD-RAM
- VSD (video single disc)
- DVD-audio
- video CD
- HD DVD
- SVCD
- SDXC Memory Card
- microSDXC Card
- 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™ / DVD / CD / SD card contains DivX® files
- Blu-ray Disc™ that contains AVCHD 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).

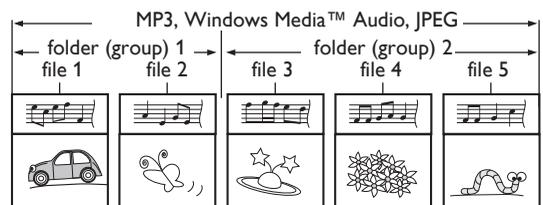
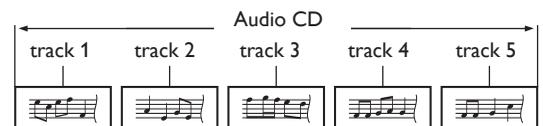
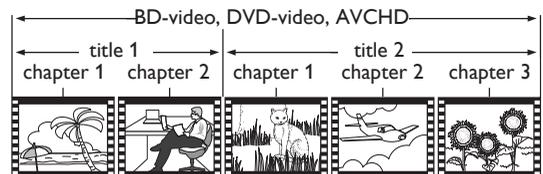
■ Region Codes

This unit has been designed to play back BD-video with region “A”, DVD-video with region “ALL” or “1”. 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.



■ 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.

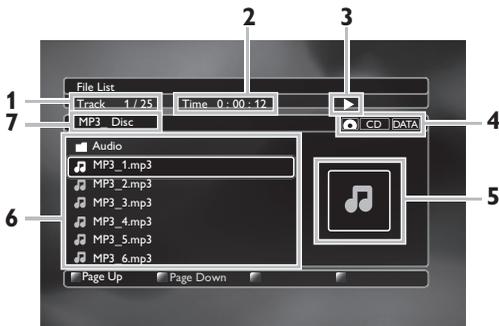
☰ Note

- Unrecognizable characters will be replaced with asterisks.

6.2. Guide to File List

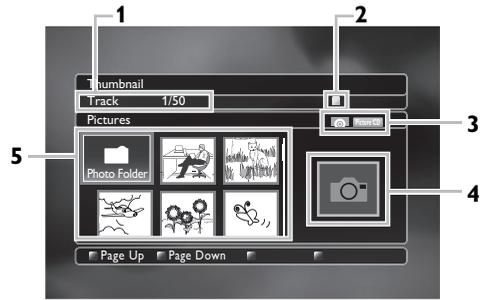
■ Music File List

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 / SD card

■ Picture File List



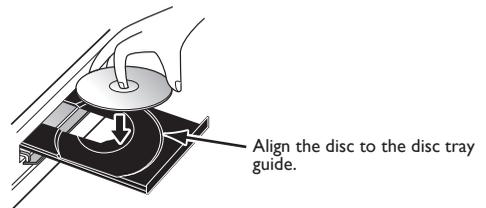
1. Current file number / Total number of files
2. Playback status
3. Media type
4. Image
5. Group (folder) / File list (thumbnails)

■ 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.

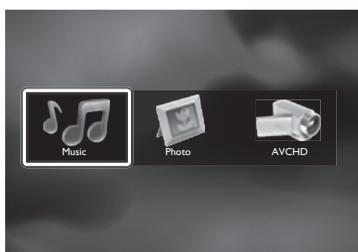


3. Press [▲ (open/close)] to close the disc tray.
 - It may take a while to load the disc.

7. BASIC PLAYBACK

7.1. Playing Back a Disc

1. Insert a disc (refer to “How to Insert a Disc” on page 24).
 - 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 26.
 - 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 24 and “How to Navigate through the Track / File List” on page 24.
- For “Photo”, thumbnail screen will appear.
- Refer to “Picture File List” on page 24 and “How to Navigate through the Track / File List” on page 24.

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

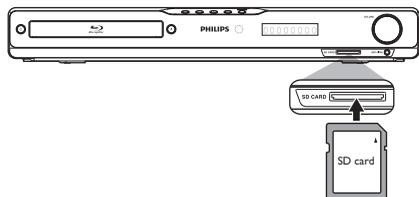
- Every press of **[◀ / ▶]** will turn the image by 90 degrees when an image is displayed.
- During playback, press **[TOP MENU]** to display thumbnail screen.
- This unit conforms to ver.7.0 of KODAK Picture CD. For details of KODAK Picture CD, contact a shop that provides developing service for Kodak 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 an SD Card



You can play back AVCHD / MP3 / WMA / JPEG files in an SD card. With the SD card, 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 28.)



1. Insert an SD card.
2. Press [**▲** (home)].
3. Use [**▲** / **▼** / **◀** / **▶**] to select "Browse SD Card", then press [**OK**].
4. Follow steps 2 to 3 in "Playing Back a Disc" on page 25.

To remove the SD card:

In stop mode, gently push in the SD card, then pull it out slowly.

⚠ Caution

- Do not remove the SD card or switch the unit to standby mode while the contents of the card are being accessed. It may result in malfunction or loss of the card's data.

☰ Note

- The resume information will be cleared when;
 - [**■** (stop)] is pressed while in the Resume-On-Stop mode.
 - the SD card is removed.
 - the unit is switched to standby mode.
- Do not delete the folders or files in the SD card with your computer. This unit may not read SD cards 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: ., " = + [] ; / \ : | ¥

7.3. 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.
- Title menu is also available for SD card with AVCHD files.

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 playback.

8.5. Slide Show

JPEG

1. Follow steps 1 to 2 in “Playing Back a Disc” on page 25.
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].

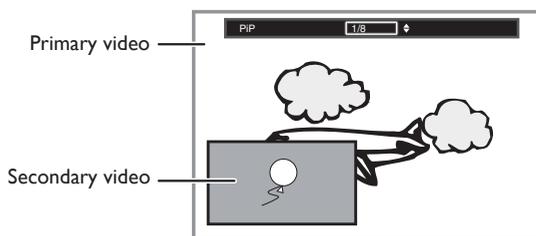
Note

- 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 30 and “Blu-ray Disc Audio” on page 33.

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 an SD card of at least 1 GB capacity before using BD-Live™ features on a Blu-ray Disc™.
 - Do not remove the SD card 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 19.
- For the network setup, refer to “Network Installation” on page 38.
- For certain discs, BD-Live™ setting in “Manual Setup” may need to be changed. (Refer to page 38.)
- 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 an SD card (1GB or more) which is formatted on this unit.

Note for AACs 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

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 33 for more information.



1. During playback, press **[OPTION]** to display the play menu.
2. Use **[▲ / ▼]** to select “Audio”, then press **[OK]**.
3. 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.
4. Use **[▲ / ▼]** to select your desired audio stream channel.



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



1. During playback, press **[OPTION]** to display the play menu.
2. Use **[▲ / ▼]** to select “Audio”, then press **[OK]**.
3. 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.
4. 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.)
- Switching audio soundtrack 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.

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 **[OPTION]** to display the play menu.
2. Use **[▲ / ▼]** to select “Angle”, then press **[OK]**.
 - The selected angle will be displayed on the display bar at the top of the TV screen.
3. Use **[▲ / ▼]** to select your desired angle.
4. Press **[BACK ↵]** to exit.

Note

- If “Angle Icon” setting is set to “Off”,  will not appear on the TV screen. (refer to page 35)

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. Play from Portable Media Player

Simply connect your portable media player (e.g. MP3 player) to this unit to enjoy superior sound quality from your music collections.

1. Connect your portable media player to the MP3 LINK jack on this unit.
 - Refer to “Connecting Portable Media Player” on page 17.
2. Turn on your portable media player.
3. Press **[SOURCE]** repeatedly to select “MP3 Link”.
4. Start playing music on your portable media player.

Note

- Control playback is only possible on the portable media player.
- Stop playback on the portable media player before you switch to other source mode.

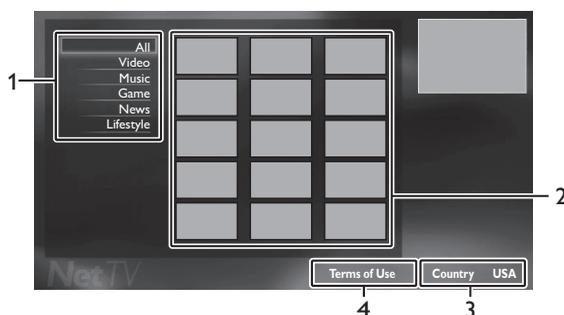
9. NETWORK SERVICES

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 19.
2. Set up the necessary network connection settings.
 - Refer to “Network Installation” on page 38.
3. Press **[Net TV]**.
 - Net TV screen will appear.
 - Netflix / VUDU can be accessed directly by pressing **[NETFLIX]** / **[VUDU]**.
 - 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>
VUDU : http://www.vudu.com/product_overview.html

10. 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	TV Display	4:3 Normal
		4:3 Crop
		16:9 Widescreen
		16:9 Squeeze
	HDMI Video	Auto
		480p
		720p
		1080i
		1080p
		1080p/24
HDMI Deep Color	Auto	
	Off	
De-interlacing Mode	Auto	
	Video	
Audio Setup	Night Mode	Auto
		On
		Off
	Audio Output	Speakers
		HDMI Normal
		HDMI LPCM
	Blu-ray Disc Audio	Mix Audio Output
		Primary Audio Only
	Speaker Setup	Speaker Layout
		Surround Effects
Speaker Distance		
Speaker Volume		
Network Setup	Network Installation	Start
		Connection Test
	View Network Settings	
	View Wireless Settings	
	Netflix ESN	
	Deactivation	Netflix
		VUDU

Category	Menus / Options		
EasyLink Setup	EasyLink	On	
		Off	
	One Touch Play	On	
		Off	
	One Touch Standby	On	
		Off	
	System Audio Control	On	
		Off	
	External Input	Aux	
		Coaxial	
MP3 Link			
None			
Preference Setup	Menu Language	Auto (XXXX)	
		English	
		Español	
		Français	
		Original	
	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		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
	Disc Menu		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
		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		

Category	Menus / Options	
Preference Setup	Angle Icon	On
		Off
	Display Panel	Auto
		Bright
		Dimmer
Advanced Setup	Auto Power Off	On
		Off
	Software Update	Disc
		Network
		SD Card
	Automatically check for latest software	On
		Off
	Quick Start Mode*	On
		Off
	Version Info	
Restore default settings	Reset Settings	
	Format SD Card	
	(Unit) Erase Saved BD-ROM Data	
	(SD Card) Erase Saved BD-ROM Data	
OSS	Reset Network Settings	

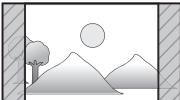
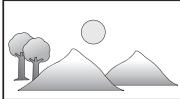
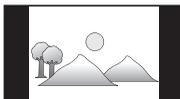
* When "Quick Start Mode" is set to "On", power consumption during standby mode will increase.

11. SETUPS

11.1. 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.
	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.
4:3	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.

11.2. 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

- 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.
- Pressing [▶ (play)] on the front panel for 5 seconds changes the setting back to its default.
- 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 the HDMI OUT jack is outputting the video in 1080p/24, picture will not be output from the VIDEO OUT jack.

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.

11.3. Network Installation



Set up network connection settings in order to use BD-Live™, Netflix / VUDU 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 / VUDU 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 41).
- 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 38.
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 38.
 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.

IP Address

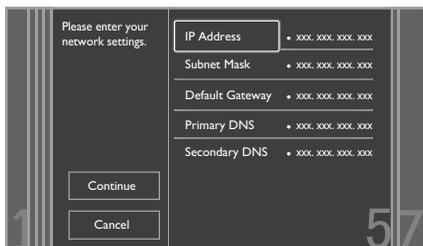
Please input the IP Address.

0 . 0 . 0 . 0

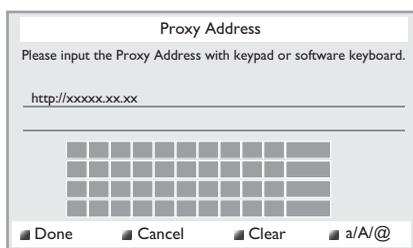
Cancel Clear Done

- 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**].

- 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.

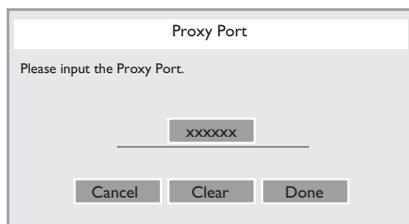


- Use **[▲ / ▼ / ◀ / ▶]** to select “Done”, then press **[OK]**.
- Use **[▲ / ▼ / ◀ / ▶]** to select “Continue”, then press **[OK]**.
- Use **[▲ / ▼]** to select “Yes” or “No” for proxy server, then press **[OK]**.
 - If you use proxy server, select “Yes” to go to the next step.
 - If you do not use proxy server, select “No” to go to step 13.
- “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.

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



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

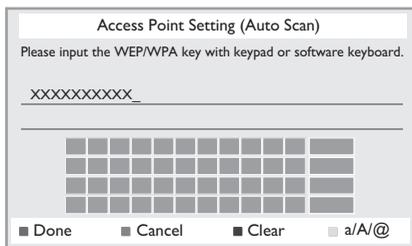
If you connect this unit to the Wi-Fi network, select “Wireless” and set up necessary settings.
Please make a note of your Wi-Fi network name (SSID) and its WEP / WPA key before proceeding with the setup.

Auto Scan

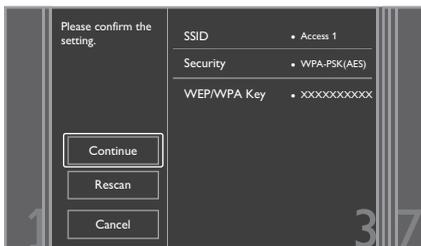
Search for Wi-Fi networks automatically and select the Wi-Fi network name (SSID) from the list.

1. Follow steps 1 to 2 in “Auto Setup” on page 38.
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 “

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 38.
 - If you select “Manual Setup”, follow steps 3 to 12 and 14 to 16 in “Manual Setup” on page 38.

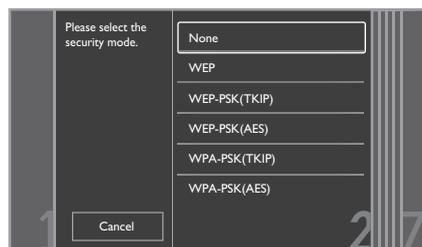
⊖ Note

- 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 40.
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 38.
 - If you select “Manual Setup”, follow steps 3 to 12 and 14 to 16 in “Manual Setup” on page 38.

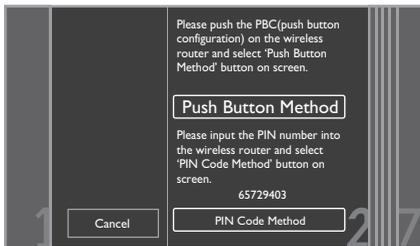
■ Easy Connect

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 40.
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 40.
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 38.
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 38.
2. Use [▲ / ▼] to select “Netflix ESN”, then press [OK].
3. Press [▲ (home)] to exit.

11.4. 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)], [the Number buttons], [▲ (home)], [Net TV] or [SOURCE]
- [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 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 “Menu Language” on page 34 for available languages.

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

System Audio Control

When you set your TV to output the audio from the 5.1ch speakers through this unit, you can control the volume level or mute the audio using TV’s remote control. (For more details, refer to the owner’s manual of your TV.)

ⓘ Note

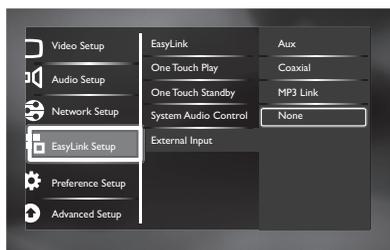
- For external input mode, “One Touch Play” is not available.
- Volume level will be displayed on the display panel.
- If you change the speaker setting of your TV to output the audio from TV’s speaker, 5.1ch speakers will be muted. (To restore the volume, use the remote control of this unit.)
- When you switch this unit into standby mode, TV’s speaker will be activated automatically.
- Depending on the connected TV, two device names (“PHILIPS BD-HTS” and “Audio System”) may be displayed in the device list of TV’s menu screen. To select this unit, please select “PHILIPS BD-HTS”.

11.5. External Input

Use to map a connected HDMI device to the correct audio input for automatic audio source switching.

If your TV is compatible with HDMI-CEC System Audio Control, this unit will automatically switch to the selected audio input to output sound from your TV. “External Input” is available only when “System Audio Control” is set to “On”.

- Use [▲ / ▼ / ◀ / ▶] to select “Setup” in the home menu, then press [OK].
- Use [▲ / ▼] to select “EasyLink Setup”, then press [OK].
- Use [▲ / ▼] to select “External Input”, then press [OK].
- Use [▲ / ▼] to select the correct input, then press [OK].



- Press [▲ (home)] to exit.

11.6. 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.

- Use [▲ / ▼ / ◀ / ▶] to select “Setup” in the home menu, then press [OK].
- Use [▲ / ▼] to select “Preference Setup”, then press [OK].
- 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.

- Use [▲ / ▼] to select your desired parental lock level, then press [OK].
- 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 42.
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.

11.7. 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 Home Theater System (e.g. HTS3106) to find information.

■ Disc / SD Card Update

You can update the software by using a disc or SD card.

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 “SD Card”, then press **[OK]**.
5. Use **[◀ / ▶]** to select “Yes”, then press **[OK]**.
6. Insert the disc or SD card for software update.
7. After loading the disc or SD card, 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 SD card from the unit.

⚠ Caution

- Please do not disconnect the AC power cord or SD card while executing the “Disc” or “SD Card” 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 SD card.
- 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 / SD Card Update” on page 43.
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 19.
- For the network setup, refer to “Network Installation” on page 38.
- 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.

11.8. Restore Default Settings



Menus to reset player settings, format SD card, 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 SD Card” (Available only when an SD card is inserted):

Initialize the SD card.

“(Unit) Erase Saved BD-ROM Data”:

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

“(SD Card) Erase Saved BD-ROM Data” (Available only when an SD card is inserted):

Clears the supplemental data for the BD-ROM playback, such as subtitle data, from the SD card.

“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 SD card while executing the “Format SD Card” or “(SD Card) Erase Saved BD-ROM Data”. It will damage the card.

☰ Note

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

12. SOUND SETTINGS

12.1. Volume Control

You can control the volume level of the audio output from 5.1ch speakers.

To increase or decrease the volume level:

Press **[VOL +/-]**.

- The volume level will increase or decrease, every time you press **[VOL +]** or **[VOL -]**.
- The volume level will be displayed on the display panel and the TV screen.

To turn off the volume temporarily:

Press **[MUTE]**.

- To restore the volume, press **[MUTE]** again or press **[VOL +/-]**.
- "MUTE" will be displayed on the display panel and  will be displayed on the TV screen.

Note

- This function is only available for the audio output from 5.1ch speakers.
- Pressing **[VOL +/-]** does not work while the setup menu is displayed.
- If you turn up the volume too much, the audio may get distorted. To enjoy clear sounds, please turn down the volume.

12.2. Selecting Surround Mode

Select the surround mode for the audio output from 5.1ch speakers.

1. During playback, press **[SURROUND]**, then use **[▲ / ▼]** to select the desired surround mode.

"Direct":

Selects the appropriate audio decoder (stereo / multi-channel Dolby, DTS[®] or PCM) based on the input audio stream.

"2.1ch Stereo":

Set the surround mode to "2.1ch Stereo".
(2.1ch Stereo sound from front left/right speakers.)

"Multi ch Stereo":

Set the surround mode to "Multi ch Stereo".
(5.1ch stereo sound from 5.1ch speakers.)

"Dolby Pro Logic II Movie":

Set the surround mode to "Dolby Pro Logic II Movie".
(Dolby Pro Logic II 5.1ch surround sound.)

"Dolby Pro Logic II Music":

Set the surround mode to "Dolby Pro Logic II Music".
(Dolby Pro Logic II 5.1ch surround sound.)

Note

- During playing back of network service, press **[SURROUND]** repeatedly to select the desired surround mode. (The setting does not appear on the TV screen.)
- The availability of surround sound modes will depend on the audio source.
- In disc or SD card mode, pressing **[SURROUND]** does not work while in the Resume-On-Stop mode.
- Pressing **[SURROUND]** does not work during playback of JPEG files.
- This function is effective only for the audio output from 5.1ch speakers.
- The volume will be restored if you press **[SURROUND]** when the audio is muted.
- For multi-channel audio, "Multi ch Stereo", "Dolby Pro Logic II Movie" or "Dolby Pro Logic II Music" cannot be set.
- You can also change the surround setting by pressing **[OPTION]**.

12.3. Selecting Sound Effect Mode

Select the sound effect mode for the audio output from 5.1ch speakers to suit your video or music.

1. During playback, press **[SOUND MODE]**, then use **[▲ / ▼]** to select the desired sound effect mode.

Video	Music	Description
Off	Off	Turns off the sound effect mode.
Action	Rock	Enhanced low and high-range. Ideal for action movies and rock or pop music.
Drama	Jazz	Clear mid and high-range. Ideal for drama movies and jazz music.
Concert	Classic	Neutral sound. Ideal for live concerts and classical music.
Sports	Sports	Moderate mid-range and surround effects for clear vocals and the atmosphere of a live sport venue.

Note

- During playing back of network service, press **[SOUND MODE]** repeatedly to select the desired sound effect mode. (The setting does not appear on the TV screen.)
- In disc or SD card mode, pressing **[SOUND MODE]** does not work while in the Resume-On-Stop mode.
- Pressing **[SOUND MODE]** does not work during playback of JPEG files.
- This function is effective only for the audio output from 5.1ch speakers.
- The volume will be restored if you press **[SOUND MODE]** when the audio is muted.
- You can also change the sound effect mode by pressing **[OPTION]**.

13. OTHER SETTINGS

13.1. Switching Active Source Mode

You can change the active source mode to the desired external audio inputs and enjoy audio from the connected device with the multi-channel surround sound capabilities.

Press **[SOURCE]** repeatedly to select the desired source mode.

“Aux”:

Set the active source mode to the AUDIO IN (AUX).

“Coaxial”:

Set the active source mode to the DIGITAL AUDIO IN (COAXIAL).

“MP3 Link”:

Set the active source mode to the MP3 LINK.

13.2. Sleep Timer

The sleep timer enables the unit to switch to the standby mode automatically after the selected preset time.

To set the sleep timer:

Press **[SLEEP]** repeatedly to select the desired preset time.

“SLP Off”:

Turns off the sleep timer.

“SLP 15min.”:

Set the preset turn-off time to 15 minutes.

“SLP 30min.”:

Set the preset turn-off time to 30 minutes.

“SLP 60min.”:

Set the preset turn-off time to 60 minutes.

“SLP 90min.”:

Set the preset turn-off time to 90 minutes.

“SLP 120min.”:

Set the preset turn-off time to 120 minutes.

“SLP 150min.”:

Set the preset turn-off time to 150 minutes.

To check or change the setting:

Press **[SLEEP]** once to display the remaining time.

To change the setting, press **[SLEEP]** repeatedly until your desired preset time is displayed.

To cancel sleep timer:

Press **[SLEEP]** repeatedly until “SLP Off” is displayed.

 **Note**

- The sleep timer will be activated even if the unit is in operation.
- Pressing **[SLEEP]** does not work while the setup menu is displayed.

14. TROUBLESHOOTING

Problem	Tip
No reaction to the remote control.	<p>Connect the product to the power outlet.</p> <p>Point the remote control at the product.</p> <p>Insert the batteries with the correct polarity.</p> <p>Insert new batteries in the remote control.</p>
No video signal on the display device.	<p>Turn on the TV.</p> <p>Set the TV to the correct external input.</p> <p>Select the correct video resolution in the "HDMI Video" in the setup menu.</p> <p>Press and hold [▶ (play)] on the front panel for 5 seconds to change the setting back to its default.</p>
No audio / video signal on the display device via HDMI cable.	<p>If the unit is connected to the unauthorized display device with an HDMI cable, the audio / video signal may not be output.</p> <p>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.</p> <p>Ensure that your HDMI cable is certified.</p>
No high-definition video signal on the TV screen.	<p>Does the disc contain high-definition video? High-definition video is not available when the disc does not contain it.</p> <p>Does the TV support high-definition video? High-definition video is not available when the TV does not support it.</p>
No audio signal from the loudspeakers of the TV connected via an HDMI cable.	<p>Set "Audio Output" to "HDMI Normal" or "HDMI LPCM" in the setup menu.</p> <p>Ensure that the TV speakers are turned on in the TV menu.</p> <p>Ensure that the TV speakers are not muted.</p>
No audio from the speaker system.	<p>Increase the volume level of the speaker system.</p> <p>Set "Audio Output" to "Speakers" in the setup menu.</p> <p>Make sure that audio is not muted.</p> <p>Make sure you have selected the correct active source for external audio input.</p>
No 5.1-channel audio from the speaker system.	<p>Does the disc contain 5.1-channel audio? The 5.1-channel audio is not available when the disc does not contain it.</p> <p>Set "Audio Output" to "Speakers" in the settings menu.</p> <p>Make sure that the surround mode is not set to "2.1ch Stereo".</p> <p>When listening to a stereo (2 channel) source, press [SURROUND] and select "Dolby Pro Logic II Music" or "Dolby Pro Logic II Movie" to upmix the stereo source to 5.1 channel surround.</p>
When I press [SURROUND] on my HTS remote while playing movies, I only get "Direct" and "2.1ch Stereo" as available surround modes.	<p>Most movies have multi-channel audio tracks, i.e. 5.1 channel or 7.1 channel audio in DTS®, Dolby or PCM. Virtual surround modes such as "Multi ch Stereo", "Dolby Pro Logic II Movie" or "Dolby Pro Logic II Music" are not available (and not necessary) when the source audio is already multi-channel.</p> <p>It is best to use Surround = Direct in such cases as it enables the appropriate multi-channel decoder.</p>
Cannot play back a disc.	<p>Make sure that the product supports the disc.</p> <p>Check the region code of the disc. This unit supports following region codes.</p> <ul style="list-style-type: none"> - Blu-ray Disc™ : "A" - DVD : "ALL" or "1" <p>For DVD-RW/-R, make sure that the disc is finalized.</p> <p>Clean the disc.</p>
SD card cannot be read.	The format of the card is not accepted by this unit or the card 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.	<p>Make sure that the disc was recorded in the UDF, ISO9660 or JOLIET format.</p> <p>Make sure that the bit rate of the MP3 files is between 112 and 320 kbps.</p> <p>Make sure that the sample rate of the MP3 files is 32 kHz, 44.1 kHz or 48 kHz.</p>
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, press 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 15-20 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 / SD card, 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 / SD card, 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.	This unit cannot play back standalone AVCHD files (*.m2ts, *.mts or *.m2t) written to a DVD or copied to an SD card. The DVD or SD card 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 or SD card. (Please refer to user manuals of the device / software for more information.)
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 38.</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>
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 or VUDU.
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 SD card decreased.	Data may be written to the SD card when a BD-video that supports the virtual package is used and an SD card is in the slot.
MPEG-2 video and audio on the SD card cannot be played back.	MPEG-2 is noncompliant on this unit.
The contents of the card cannot be read.	<p>The card is not compatible or the contents on the card 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 an SD card with enough capacity (1GB or more).</p> <p>Check if an SD card is correctly inserted.</p> <p>Make sure the write-protect switch on the SD card is not enabled.</p>
Cannot play back BD-video (BD-ROM Profile 2.0).	<p>Insert an SD card (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 card during playback.</p> <p>Make sure the write-protect switch on the SD card is not enabled.</p>

14.1. 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”.

14.2. Contact Us

- If you cannot resolve your problem, refer to the FAQ for this Home Theater System 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 Home Theater System yourself. This may cause severe injury, irreparable damage to your Home Theater System or void your warranty.
- Please have your Home Theater System model and serial number available before contacting us.
These numbers are available on the cabinet, as well as on the packaging.

15. 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.

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 Pro Logic II

Dolby Pro Logic II technology processes any high quality stereo (two-channel) movie and music audio into five playback channels of full-bandwidth surround sound. A matrix surround decoding technology, Dolby Pro Logic II detects the directional cues that occur naturally in stereo content and uses these elements to create a five-channel surround sound playback experience.

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.

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 SD card 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 SD card from the computer and play back the files on this unit.

Netflix

Netflix is online movie rental service, offering online steaming to customers 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-RW/-R, DVD-RW/-R, CD-RW/-R or SD card 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.

16. 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	Twí	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 30 or audio language setting on page 30. If you choose any other languages, “---” will be displayed instead.

17. SPECIFICATIONS

General

Signal system	NTSC Color
Power requirements	120 V AC, 60 Hz
Power consumption	70 W (standby: 0.6 W)
Total output power (Amplifier)	Home theater mode: 1000 W FTC* output power: 700 W * (Main Ch @ 1 kHz within 10 % THD, Sub Ch 60 Hz within 2.5 % THD)
Dimensions (width x height x depth)	17.2 x 2.4 x 11.7 inches (435 x 59 x 295.6 mm)
Weight	Total weight: 24.03 lbs. (10.9 kg) Main unit: 8.05 lbs. (3.65 kg)
Operating temperature	41°F (5°C) to 104°F (40°C)
Operating humidity	Less than 80 % (no condensation)

Terminals

SD card slot

slot x 1

MP3 LINK jack

mini jack x 1 500 mVp-p (75Ω)

Analog audio output

(SPEAKERS (4Ω))

Front and rear speakers

System: Full range satellite
Impedance: 4Ω
Frequency response: 180 Hz ~ 20 kHz
Dimensions: 3.9 x 5.1 x 4.0 inches (100 x 130 x 100.5 mm)
Speaker cable length: front - 9.8 feet (3 m)
rear - 30 feet (9.15 m)
Weight: front - 1.19 lbs. (0.54 kg)
rear - 1.13 lbs. (0.51 kg)

Center speaker

System: Full range satellite
Impedance: 4Ω
Frequency response: 180 Hz ~ 20 kHz
Dimensions: 3.9 x 5.1 x 4.0 inches (100 x 130 x 100.5 mm)
Speaker cable length: 9.8 feet (3 m)
Weight: 1.61 lbs. (0.73 kg)

Subwoofer

Impedance: 4Ω
Speaker drivers: 5.25 inches (130 mm) woofer
Frequency response: 60 Hz ~ 150 Hz
Dimensions: 6.1 x 11.8 x 7.8 inches (154 x 300.5 x 198 mm)
Speaker cable length: 14.1 feet (4.3 m)
Weight: 6.02 lbs. (2.73 kg)

Video output

RCA jack x 1 1 Vp-p (75Ω)

Analog audio input (AUX)

RCA jacks(L / R) x 1 L/R: 2 Vrms (47kΩ)

Digital audio input (COAXIAL)

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.

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:

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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

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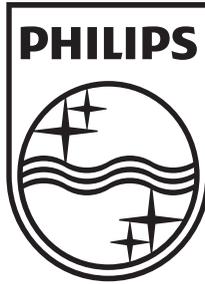
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