



Instructions for use
Mode d'emploi
Instrucciones de manejo



Let's make things better.



PHILIPS

General information

Safety precautions

USA C



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING
**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK ,
DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

Laser safety

This unit employs a laser. To prevent possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

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

LASER

Type	Semiconductor laser GaAlAs
Wavelength	650 nm (DVD) 780 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degrees

**CLASS 1
LASER PRODUCT**

CAUTION VISIBLE AND INVISIBLE LASER RADIATION. WHEN OPEN AVOID EXPOSURE TO BEAM. (WARNING LOCATION: INSIDE ON LASER COVERSIELD)

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

For Customer Use:

Read carefully the information located on the back of your SACD player and entered below the Serial N° Retain this information for future reference.

Model N° is SACD 1000

Serial N° is _____

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once, and take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

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



PHILIPS



Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. And 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.

And 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.

Sincerely,

Robert Minkhorst
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

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 PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

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



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

Important safety instructions

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Exception: A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.

6. Attachments - Do not use attachments not recommended by the video product manufacturer as they may cause hazards.
7. Water and Moisture - Do not use this video product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. Accessories - Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

- 8A.  An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

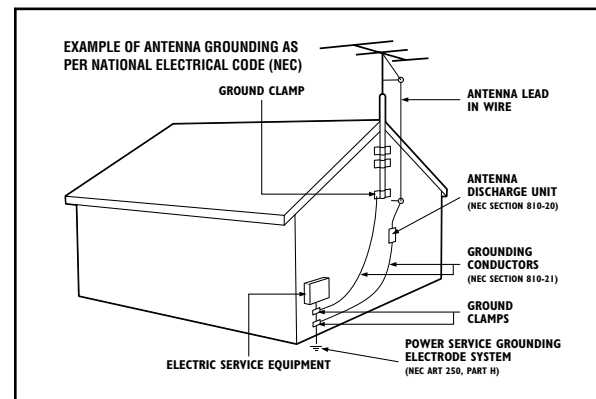
9. Ventilation - Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the video product, and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface. This video product should never be placed near or over a radiator or heat register. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

10. Power Sources - This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance supplier or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.

11. Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

12. Power-Cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. Outdoor Antenna Grounding - If an outside antenna or cable system is connected to the video product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig.A.



14. Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power surges.

15. Power lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

16. Overloading - Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

17. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

18. Servicing - Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions

- a. When the power-supply cord or plug is damaged.
- b. If liquid has been spilled on, or objects have fallen into the product.
- c. If the product has been exposed to rain or water.
- d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- e. If the product has been dropped or the cabinet has been damaged.
- f. When the product exhibits a distinct change in performance - this indicates a need for service.

20. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or which have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

21. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

22. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

23. Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products that produce heat.

WARNING:

This device complies with Part 15 of the FCC (U.S.A.) Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE:

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:

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

IMPORTANT:

This product was FCC verified under test conditions that included use of shielded cables and connectors between system components. It is important that you use shielded cables to reduce the possibility of causing interference to radios, television sets, and other electronic devices. If you have any problems, contact your supplier.

Any change or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the user's authority to operate such equipment.

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

CET APPAREIL NUMÉRIQUE N'ÉMET PAS DE BRUITS RADIOÉLECTRIQUES DÉPASSANT LES LIMITES APPLICABLES DANS LA RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUES ÉDICTÉ PAR LE MINISTÈRE DES COMMUNICATIONS DU CANADA.

NOTE TO CATV SYSTEM INSTALLER:

This reminder is provided to call the CATV (CableTV) system installer's attention to Article 820-40 of the NEC (National Electrical Code) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Specifications

PLAYBACK SYSTEM

SUPER AUDIO CD
 DVD-Video
 Video CD
 Audio CD (CD-R and CD-RW)

OPTICAL READOUT SYSTEM

Laser type	Semiconductor AlGaAs
Numerical Aperture	0.60 (SACD/DVD) 0.45 (VCD/CD)
Wavelength	650 nm (SACD/DVD) 780 nm (VCD/CD)

AUDIO FORMAT

Digital	DSD	Uncompressed Digital
	Dolby digital	Compressed Digital
	DTS/MPEG	
	PCM	16, 20, 24 bit fs, 48, 96 kHz

Analog Sound Stereo
 Dolby Surround™ downmix from multi-channel sound
 3D Sound for virtual 5.1 channel sound on 2 speakers

SACD AUDIO PERFORMANCE

Multi-channel output (DSD stereo/multi-channel)		
DA Converter	1 bit	
SACD	fs 2.8 MHz	DC - 100 kHz
Max. output voltage (0dB)	2 V _{RMS} +/- 0.3 V	
Channel unbalance	< 0.5 dB	
Cut-off frequency normal mode	40kHz +/- 5 kHz	
Cut-off frequency custom mode	50kHz +/- 5 kHz	

	Typical	
	Normal	Custom
Amplitude linearity	+ 0.1/-0.6	+ 0.1/-0.4
Total harmonic distortion and noise (1 kHz)	-100 dB	-102 dB
Total harmonic distortion and noise (20 Hz - kHz)	-88 dB	-95 dB
Inter-modulation distortion	-107 dB	-112 dB
Dynamic range	-114 dB	-111 dB
Signal-to-noise ratio (A-weighted)	-114 dB	-111 dB

Low level linearity (0 → -100 dB)	< +/- 0.1 dB
Low level linearity (0 → -115 dB)	< +/- 0.5 dB
Inter-channel phase	< 1 degree
Crosstalk (1kHz)	-130 dB
Crosstalk (20 Hz - 20 kHz)	-100 dB

DVD/VCD/CD PERFORMANCE

DA Converter	24 bit	
DVD	fs 96 kHz	4 Hz - 44 kHz
	fs 48 kHz	4 Hz - 22 kHz
Video CD	fs 48 kHz	4 Hz - 22 kHz
CD	fs 44.1 kHz	4 Hz - 20 kHz
Signal-Noise (1kHz)	> 100 dB	
Dynamic Range (1kHz)	> 90 dB	
Crosstalk (1kHz)	> 105 dB	
Distortion Noise (1kHz)	> 90 dB	

TV STANDARD

	EUROPE	USA
Number of lines	(PAL/50Hz) 625	(NTSC/60Hz) 525
Playback	Multistandard	(PAL/NTSC)

VIDEO FORMAT

Signal	Digital
Signal handling	Components
Digital Compression	MPEG2 for DVD, MPEG1 for VCD

VIDEO PERFORMANCE

Video output	1 Vpp into 75 ohm
S-Video output	Y: 1 Vpp into 75 ohm C: 0.300 Vpp into 75 ohm
RGB output	0.7 Vpp into 75 ohm
Y _P R _P B _P output	Y: 1Vpp into 75 ohm P _R : 0.7 Vpp into 75 ohm P _B : 0.7 Vpp into 75 ohm
Black Level Shift	On/Off
Video Shift	Left/Right

CONNECTIONS

Scart	2 Euroconnector
	S-Video Output Mini DIN, 4 pin
	Video Output 2 Cinch (yellow)
Y _P R _P B _P Output	3 Cinch
Analog Audio L+R output	2 Cinch (white/red)
Digital Audio Output	1 coaxial, 2 optical IEC1937 for MPEG1, MPEG2 and AC-3 IEC61937 for DTS

POWER SUPPLY (UNIVERSAL)

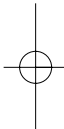
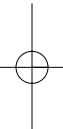
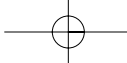
Power Inlet	100-120V/220-240V, 50/60Hz
Power consumption	36 Watt
Power consumption standby	less than 10 Watt

CABINET

Dimensions	435 x 110 x 330 (w x h x d)
Weight	approx. 10kg

PACKAGE CONTENTS

SACD Player
 Remote Control Handset with separately-packed batteries
 2-core power cord
 Y_PR_PB_P cables
 Audio cable
 Video cable
 Digital cable (coax)
 User Manual
 Warranty



type no. of product • Numéro de série du produit

SACD1000

Date of purchase • Date d'achat • Kaufdatum • Koopdatum • Fecha de compra •
Data da compra • Data di acquisto • Købsdato • Kjøpedato • Inköpsdato • Ostopäivä

day • Jour month • Mois year • Année **20**

Dealer's name, address and signature • Nom, adresse et signature du revendeur • Name,
Anschrift und Unterschrift des Händlers • Naam, adres en handtekening van de
handelaar • Nombre, dirección y firma del distribuidor • Nome, indirizzo e firma
del fornitore • Nome, morada e assinatura do vendedor • Forhandlerens navn, adresse
og underskrift • Återförsäljarens namn, adress och namnteckning • Myyjän nimi,
osoite ja allekirjoitus



The products and services described herein are not necessarily available in all countries

Due to continuous product improvements this document is subject to change without notice.

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