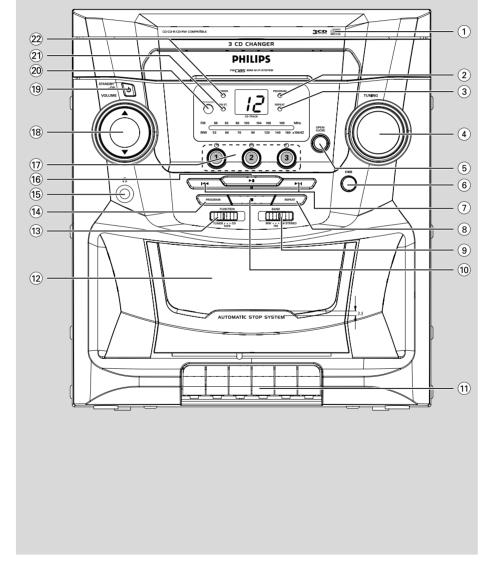
User manual



PHILIPS



CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

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General Information

This system complies with the FCC rules, Part 15 and with 21 CFR 1040.10. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Supplied accessories

- 2 speaker boxes
- remote control

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Maintenance

Cleaning the Cabinet

 Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs

 When a disc becomes dirty, clean it with a cleaning cloth.
 Wipe the disc from the center out.



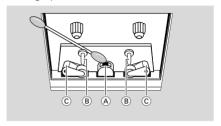
 Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analog records.

Cleaning the disc lens

 After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

Cleaning the Heads and the Tape Paths

- To ensure good recording and playback quality, clean the heads (A) and (B), the capstan(s) (C), and pressure roller(s) (D) after every 50 hours of tape operation.
- Use a cotton swab slightly moistened with cleaning fluid or alcohol.
- You can also clean the heads by playing a cleaning tape once.



Demagnetizing the heads

 Use a demagnetizing tape available at your dealer.

Safety information

- Place the system on a flat, hard and stable surface.
- Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- The apparatus shall not be exposed to dripping or splashing.
- Install this unit near the AC outlet and where the AC power plug can be reached easily.
- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system. Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from each side.
- The mechanical parts of the set contain selflubricating bearings and must not be oiled or lubricated.

Hearing Safety

Listen at a moderate volume.

- Using headphones at a high volume can impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.
- Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So after prolonged listening, what sounds "normal" can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

To establish a safe volume level:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.

Listen for reasonable periods of time:

- Prolonged exposure to sound, even at normally "safe" levels, can also cause hearing loss.
- Be sure to use your equipment reasonably and take appropriate breaks.

Be sure to observe the following guidelines when using your headphones.

- Listen at reasonable volumes for reasonable periods of time.
- Be careful not to adjust the volume as your hearing adapts.
- Do not turn up the volume so high that you can't hear what's around you.
- You should use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

Controls (illustrations on page 3)

Controls on the system

- 1 Disc trays
- 2 PROGRAM indicator
- (3) REPEAT indicator
- **4** TUNING rotary
- tunes to radio stations
- (5) OPEN/CLOSE
- press to open/close the disc tray
- (6) DBB
- turns the bass enhancement on/off
- (7) |**44** / **>>**|
- skips or searches CD tracks backwards/ forwards
- (8) REPEAT
- selects repeat modes
- (9) BAND (MW•FM•FM STEREO)
- selects waveband
- **10** STOP ■
- stops CD playback;
- erases a CD program
- 11 Tape deck keys

RECORD .. starts recording

➤ starts playback

← /►► fast rewinds/winds a tape

■▲ stops playback;

..... opens the tape holder

IIinterrupts playback or recording

- 12 Tape deck
- 13 FUNCTION:TUNER, TAPE, CD
- selects CD, tape or radio source of sound
- (14) PROGRAM
- programs tracks and reviews the program
- 15 N
- 3.5 mm headphone socket

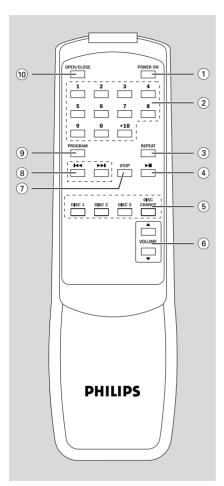
Helpful hints:

- Adjust the volume to a moderate level before you plug in the headphones.
- Connecting headphones will switch off the speakers.
- 16 ▶ 11
- starts or pauses CD playback
- (17) DISC: 1/2/3
- selects a disc tray for playback
- 18 VOLUME ▲, ▼
- adjusts the volume level
- 19 POWER
- switches the system on or to standby mode.
- **20 REMOTE SENSOR**
- sensor for the infrared remote control

Helpful hints: Always point the remote control towards this sensor

- (21) FM ST. indicator
- 22 Power indicator

Remote control



1 POWER ON

- switches the system on or to standby mode
- ② **DIGITS 0 +10**
- CD: selects a track number
- **③ REPEAT**
- selects repeat modes
- (4) **> 11**
- starts or pauses CD playback
- (5) DISC

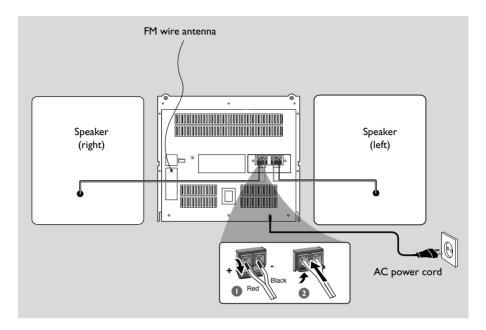
DISC 1/DISC 2/DISC 3

selects a disc tray for playback

DISC CHANGE

- changes disc trays
- **⑥ VOLUME ▲**, ▼
- adjusts the volume level
- (7) STOP
- stops CD playback
- erase a CD program
- (8) |◀◀ / ▶▶|
- skips or searches CD tracks backwards/ forwards
- 9 PROGRAM
- programs tracks and reviews the program
- 10 OPEN/CLOSE
- press to open/closes the disc tray

Installation



Rear connections

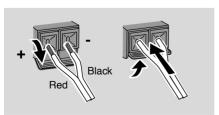
Warning:

Never make or change connections with the power supply switched on.

(A) Speakers connection

Use the supplied speakers only. Using other speakers can damage the set or the sound quality will be negatively affected.

 Connect the speaker wires to the SPEAKERS terminals, right speaker to "R" and left speaker to "L", red (labelled red) wire to "+" and black (labelled black) wire to "-".



Press the clip of the red terminal and fully insert the stripped portion of the coloured (or marked) speaker cable into the socket, then release the clip. Press the clip of the black terminal and fully insert the stripped portion of the black (or unmarked) speaker cable into the socket, then release the clip.

B FM antenna

- Extend the wire antenna and move the antenna in different positions for optimal reception (as far away as possible from the TV,VCR or other radiation sources).
- 2 Fix the antenna's end to the wall.

Using AC power

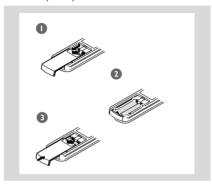
- Make sure all connections have been made before switching on the power supply.
- Connect the power cable supplied to
 AC ~ and to the wall socket. This switches on the power supply.

When the system is switched to standby, it is still consuming some power. To disconnect the system from the power supply completely, remove the power plug from the wall socket.

The type plate is located on the rear of the set.

Inserting batteries into the remote control

Insert two batteries type R06 or AA into the remote control with the correct polarity as indicated by the "+" and "-" symbols inside the battery compartment.



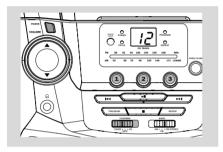
CAUTION!

- Remove batteries if they are exhausted or will not be used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed off properly.

Basic Functions

Switching on/to standby and selecting functions

- Press POWER to switch on (or .POWER ON on the remote control).
 - → The **POWER indicator** lights up
 - → The system switches to the last source selected.
- 2 To select your function, push **FUNCTION** to **TUNER. TAPE** or **CD**.
- 3 Press POWER to switch the system to standby.



Volume control

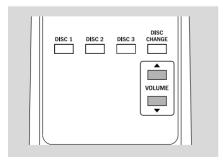
- Check the system is switched on.
- 2 Adjust the volume with VOLUME control.

Helpful hints:

 In the standby mode, the volume level will be retained in the system's memory.

IMPORTANT!

- Adjust the volume to a moderate level before you switch the system to standby mode or plug in the headphones.

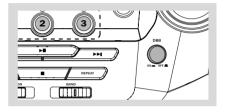


Sound control

 On the set, Press DBB (Dynamic Bass Boost) once or more to turn bass enhancement on or off.

Helpful hints:

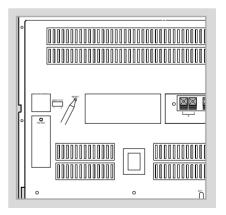
 Some discs or tapes might be recorded in high modulation, which causes a distortion at high volume. If this occurs, switch off **DBB** or reduce the volume.



Reset

If desired, you can restore your system to its default setting.

- Remove the power plug from the wall socket.
- Use a ballpoint pen to press the RESET for more than 30 seconds.
- 3 Reconnect the power plug.
 - → The system is restored to its default setting.



Discs for playback

This system can playback all digital audio CD, finalized digital audio CD-Recordable (CDR) discs and finalized digital audio CD-Rewritable (CDRW) discs.





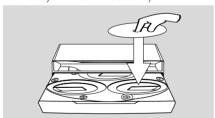


IMPORTANT!

- This system is designed for regular discs. Therefore, do not use any accessories such as disc stabilizer rings or disc treatment sheets, etc., which may jam the changer mechanism.
- Do not load more than one disc into each tray.
- CDs encoded with copyright protection technologies by some record companies may be unplayable by this system.

Playing discs

- Press POWER to on, then push FUNCTION to CD.
- Press OPEN/CLOSE to open the disc trays., and load your discs in the two trays.



 To load a third disc, press DISC CHANGE (on the remote control) to rotate the disc trays.

Helpful hints:

- Make sure the disc label is facing up.
- 3 Press OPEN/CLOSE to close the disc trays.,
 - → A lighted DISC button indicates that a disc is being read in the disc tray.
 - → Display shows: --, **00** and later, the total number of tracks.
- ◆ Press ► II to start playback.
 - → Display shows: current track number.



- To start playback from a selected disc tray, press
 DISC 1. 2 or 3.
- To pause playback, press ► II.
 Press ► II again to resume playback.
- To stop playback, press STOP ■.
- To remove the disc, press **OPEN/CLOSE** to open the disc trays.
- If necessary, press DISC CHANGE (on the remote control) to rotate the disc trays.

Helpful hints: CD playback will also stop when:

you select **TUNER** or **TAPE**.

Selecting and searching

Selecting a different track

 Briefly press I◄◄ or ►►I once or several times to skip to the beginning of the current, previous or subsequent track.

or

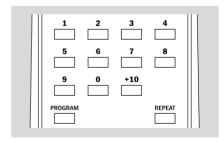
Use the digit keys on the remote control to select the track number directly. e.g.

Track 2: Press 2

Track 10: Press +10.

Track 12: Press +10 and then, 2

Track 22: Press +10, +10 and then, 2.



- In the pause/stop position, press ► II to start playback.
 - → Playback of selected track starts.

CD Operation

Finding a passage within a track

- During playback, press and hold I◄◄ or ►►I.
 The CD plays at a high speed.
- ② When you recognize the passage you want, release ◄ or ►►I.
 - → Normal playback resumes.

Changing discs

 Press DISC CHANGE (on the remote control), or DISC 1/2/3 to select a tray.

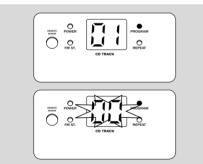
Helpful hints:

 Make sure that the disc tray you select is loaded. It will be no response if an unloaced disc tray is selected.

Programming tracks

You may store up to 30 tracks in the desired sequence. If you like, store any track more than once.

- In the stop position, press PROGRAM to activate programming.
 - → **PROGRAM** indicator flashes. Display shows
 - **01**, indicating the start of the program.
 - → 00 flashes for you to program a track.



- If necessary, press DISC 1/2/3 to select a disc tray.
- 3 Press **PROGRAM** to store the desired track
 - → Display shows **02** (up to 30 in sequence), indicating the next program location available.
 - → 00 flashes for you to program the next track.

- Repeat steps 2 to 3 to select and store all desired tracks in this way.
- To play your program, press ► II.
 → PROGRAM indicator lights up.

Helpful hints:

- If you store more than 30 tracks, the display will show the 1st track in the program. At this time, you can still store a new track, but the new track will replace the 1st track in the program.
- When playback of your program comes to the stop position, your set will return to normal playback. To re-enter program mode, press PROGRAM in the stop position.

Reviewing the program

In the stop position, press repeatedly
 PROGRAM to see your stored track numbers.

Helpful hints:

 Display first shows the number of program location and then, the number of the track stored here.

Erasing the program

- You can erase the contents of the memory by:
 - selecting **TUNER** or **TAPE** sound source;
 - in the stop position, press PROGRAM to
 enter program mode and then press ■.
 - → PROGRAM indicator turns off.

Different play modes: REPEAT

You can select and change the play modes before or during playback, and combine the modes or with PROGRAM.

- $_{\text{\tiny REPEAT}}$ (lights up) plays current track continuously.
- (flashes) repeats current disc/program.
- To select play modes, press once or more REPEAT.
- Press ► II to start playback if in the stop position.

modes.

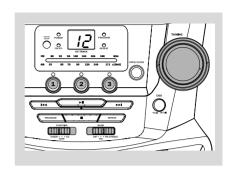
To return to normal playback, press REPEAT repeatedly until the REPEAT indictor turns off.
 → You can also press to cancel your play

Tuning to radio stations

- Press POWER to on, then push FUNCTION to TUNER
- Adjust BAND to select your desired waveband. MW or FM ST.
- 3 Turn **TUNING** to tune to a station.
 - FM ST. lights up for stereo FM reception.

To improve radio reception:

- For FM, extend and turn the wire antenna for best reception.
 - To tune to a weak FM station, adjust **BAND** to FM (mono).
- For MW, the set uses a built-in antenna. Direct this antenna for best reception by turning the whole set.



Tape Operation

IMPORTANT!

- Before playing a tape, check and tighten slack tape with a pencil. Slack tape may jam or burst in the mechanism.
- C-120 tape is extremely thin and is easily deformed or damaged. It is not recommended for use in this system.
- Store the tapes at room temperature and do not put them too close to a magnetic field (for example, a transformer, TV or speaker).

Loading a tape

- Press POWER to on, then push FUNCTION to TAPE.
- Press to open the tape deck door.
- 3 Load the tape with the open side downward and full spool to the left.



Close the tape deck door.

Playing tapes

- Press ►.
- To pause playback, press ■. To resume playback, press ■ again.
- By pressing ◀ / ▶ , fast winding of the tape is possible in both directions. To stop fast winding, press ■▲.
- To stop the tape, press ■▲.

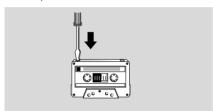
Helpful hints:

- During playback, the keys are automatically released at the end of a tape (unless II has been activated).
- During fast forwarding/rewinding, the keys will not be released at the end of a tape. To stop fast winding, press ■▲.

Tape Recording

General information on recording

- For recording, use only tape of IEC type I (normal tape).
- The recording level is set automatically, regardless of the position of the Volume, DBB and so forth.
- The tape is secured at both ends with leader tape. At the beginning and end of the tape, nothing will be recorded for six to seven seconds.
- To prevent accidental recording, break out the tab on the left shoulder of the tape side you want to protect.



IMPORTANT!

 Recording is permissible if copyright or other rights of third parties are not infringed upon.

Preparation for recording

- Load a recordable tape into tape deck with full spool to the left.
- 2 Prepare the source to be recorded.

CD - load a disc.

TUNER – tune to the desired radio station.

One touch recording

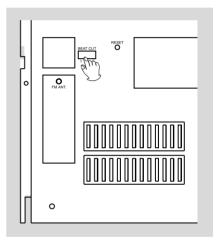
- Push FUNCTION to CD or TUNER to select the source.
- If desired, program CD track numbers.
- 2 Start playback of the selected source.
- 3 Press RECORD to start recording.

To stop recording

Press ■▲

Helpful hints:

 When recording from MW radio stations, adjust BEAT CUT to 1 or 2, if necessary, to reduce interference.



Specifications

AMPLIFIER
Output power
Signal-to-noise ratio≥ 55 dBA (IEC)
Frequency response
Impedance headphones
CD PLAYER
Number of programmable tracks
Frequency range
Channel separation≥ 25dB (1 kHz)
Total harmonic distortion< 3%
TUNER
FM wave range 87.5 – 108 MHz
MW wave range531 – 1602 kHz
TAPE DECK
Frequency response
Normal tape (type I) 50 – 10000 Hz (8 dB) Signal-to-noise ratio
Normal tape (type I)≥ 48 dBA
Wow and flutter≤ 0.35% DIN
SPEAKERS
System double port bass reflex
Impedance
Woofer 1 x 4" full range

Dimensions ($w \times h \times d$)

GENERAL INFORMATION

Material	Polystyrene
AC Power	240 V / 50 Hz
Power Consumption	
Active	88 V
Standby	≤ 10 W
Dimensions ($w \times h \times d$)	
	265 × 295 × 360 (mm
Weight (without speaker	rs) 6.3 kg

Specifications and external appearance are subject to change without notice.

Troubleshooting

WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

Problem	Solution
"00" is displayed.	 Insert a suitable disc. Check if the disc is inserted upside down. Wait until the moisture condensation at the lens has cleared. Replace or clean the disc, see "Maintenance". Use a finalized CD-RW or CD-R.
Radio reception is poor.	 ✓ If the signal is too weak, adjust the antenna or connect an external antenna for better reception. ✓ Increase the distance between the Mini HiFi System and yourTV orVCR.
Recording or playback cannot be made.	 ✓ Clean deck parts, see "Maintenance". ✓ Use only NORMAL (IEC I) tape. ✓ Apply a piece of adhesive tape over the missing tab space.
The system does not react when buttons are pressed.	✓ Reset the system (see RESET chapter),
Sound cannot be heard or is of poor quality.	 Adjust the volume. Disconnect the headphones. Check that the speakers are connected correctly. Check if the stripped speaker wire is clamped.
The left and right sound outputs are reversed.	✔ Check the speaker connections and location.
The remote control does not function properly.	 ✓ Reduce the distance between the remote control and the system. ✓ Insert the batteries with their polarities (+/- signs) aligned as indicated. ✓ Replace the batteries. ✓ Point the remote control directly towards the IR sensor.

AUSTRALIA - Philips Manufacturers Warranty for Australia only

These warranty conditions are valid for the following consumer electronics products: Colour Televisions, Projection TV, Plasma & LCD TV, Video Cassette Recorders, CD Recorders & Players, DVD Players, DVD Recorders, Audio Systems, Home Theatre systems & Portable Audio.

The benefits given to the purchaser by this warranty are in addition to all other rights and remedies which the purchaser has in respect of the product under the Trade Practices Act or other Commonwealth or State Law.

Philips Consumer Electronics warrants its products to the purchaser as follows and subject to the stated conditions.

3 Years free Repair Service - at Philips ASC

Colour Television, Plasma Television, LCD Television, Projection Television, DVDR/VCR Combo, DVD Recorder, DVD Recorder with Hard Drive, LCD Projectors, Wireless Audio Systems

1 Year free Repair Service - at Philips ASC

Audio Systems & Home Theatre Systems.

1 Year free Replacement - at your Retailer

Portable Audio, MP3 Infotainment products, Video Cassette recorders, DVD Player, DVD/VCR Combo Player, Portable DVD/LCD player.

Conditions of Repair Warranty

- 1. All claims for warranty service should be made to your nearest Philips Authorised Service Centre. Reasonable evidence of date of purchase must be provided.
- This warranty extends only to defects in material or workmanship occurring under normal use of the product when operated in accordance with the instructions.
- If a replacement product is supplied under the repair policy it is warranted, under this warranty, for the remainder of the warranty of the original purchased product only.
- 4. Home service is provided only within the normal service area of one of our recommended Authorised Service Centres (ASC). It will be provided for television receivers only, regardless of size or type (i.e. CRT, LCD, PTV, PDP). All other products are to be taken or sent by the consumer to the workshop of your nearest ASC (at the Consumer's expense).
- **5.** This Manufacturers Warranty is limited to 3 months for above listed Consumer Electronics products if used in commercial applications.
- **6.** Philips may, at its discretion choose to replace rather than repair any product covered by this warranty.
- 7. This Manufacturers Warranty is neither transferable nor valid in countries other than Australia.

This warranty does not cover:

- **a)** Mileage or travel outside the normal service area covered by selected Authorised Service Centre.
- **b)** Service costs arising from failure to correctly adjust the controls of the product or to observe the instructions, or inspections that reveal that the product is in normal working order.
- c) Product failures caused by misuse, neglect, accidental breakage, transit damage, inexpert repairs or modification by un-authorised persons, external fires, lightning strikes, floods, vermin infestation or liquid spillage.
- d) Cleaning of video or audio heads.
- e) Inadequate receiving antennae.
- **1)** Replacement of worn or used batteries or other consumables.
- **g)** Consumer products used in commercial applications (This warranty is limited to 3 months only).
- h) Second hand products.

The conditions contained in this warranty card replace and override the provision of the Philips World-Wide Guarantee for products purchased in Australia and used in Australia.

Service is provided through more than 100 accredited Authorised Service Centres throughout Australia. For direct contact with the nearest recommended Authorised Service Centre in capital & regional cities/towns

Authorised Service Centre Network 1300 361 392

Customer support is provided in Australia by our trained call centre staff. For assistance with product features and specifications, please call

Technology Care Centre 1300 363 391

Please record the following information for your records and keep in a safe place. We recommend retaining your purchase receipt to assist with any warranty claim.

Model number:
Serial number:
Date of purchase:
Retailer

Philips Consumer Electronics a division of Philips Electronics Australia Limited ABN 24 008 445 743, Level 1, 65 Epping Road NORTH RYDE NSW 2113 Thank-you for purchasing this quality Philips product.

Philips New Zealand Ltd guarantees this product against defective components and faulty workmanship for a period of 12 months. Any defect in materials or workmanship occurring within 12 months from the date of purchase subject to the following conditions will be rectified free of charge by the retailer from whom this product was purchased.

Conditions

- The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.
- The guarantee applies only to faults caused by defective components, or faulty workmanship on the part of the manufacturer.
- 3. The guarantee does not cover failures caused by misuse, neglect, normal wear and tear, accidental breakage, use on the incorrect voltage, use contrary to operating instructions, or unauthorised modification to the product or repair by an unauthorised technician.
- 4. Reasonable evidence (in the form of a sales docket) must be supplied to indicate that the product was purchased no more than 12 months prior to the date of your claim.
- 5. In the event of a failure, Philips shall be under no liability for any injury, or any loss or damage caused to property or products other than the product under guarantee.

This guarantee does not prejudice your rights under common law and statute, and is in addition to the normal responsibilities of the retailer and Philips.

How to claim

Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product.

However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

The Guarantee Controller Philips New Zealand Ltd.

☐ P.O. Box 41.021

Auckland

☐ (09) 84 94 160

fax ☐ (09) 84 97 858



FWC185

CLASS 1 LASER PRODUCT

