

PHILIPS

FW 8 Personal Micro System



Instructions for use
Mode d'emploi
Instrucciones de manejo
使用説明書



PHILIPS

Important notes for users in the U.K.

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- Remove fuse cover and fuse.
- Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or \perp) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.: Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.



México

NOM

	PRECAUCIÓN - ADVERTENCIA	
	No abrir, riesgo de choque eléctrico	
	ATENCIÓN	
	Verifique que el voltaje de alimentación sea el requerido para su aparato	
Para evitar el riesgo de choque eléctrico, no quite la tapa. En caso de requerir servicio, dirijase al personal calificado.		

Es necesario que lea cuidadosamente su instructivo de manejo.
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New Zealand

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Brasil

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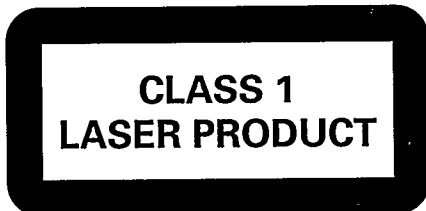
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中文



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RECYCLING

Please observe the local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

- All redundant packaging material has been omitted. The packaging is easy separable into three mono-materials:
 - cardboard (box)
 - expandable polystyrene (buffer)
 - polyethylene (bags, protective foam sheet)
- Your set consists of materials which can be recycled if disassembled by a specialized company.
- Do not dispose of exhausted batteries with your household waste.

GENERAL REMARKS

- Unpack all parts and remove protective material.
- Do not connect the system to the mains before checking the mains voltage and before all connections are made.
- Before moving the system, always remove the CD from the CD compartment.

SUPPLIED ACCESSORIES

- Remote control unit.
- Two batteries, type R03, UM-4 or AAA cells, for the remote control unit.
- Two loudspeaker boxes.
- AM (MW) loop antenna.

POSITIONING THE SYSTEM

- Do not cover the system.
- Place the system on a hard surface.
- The amplifier produces heat which must be allowed to dissipate freely. For this reason do not cover any ventilation slots and make sure that there is sufficient ventilation around the system. A minimum gap of 5 cm is necessary.

TECHNICAL DATA

(subject to modification)

Amplifier

- Output power 2 x10WRMS / 8 Ω / THD 10%
- Power bandwidth 20 - 20 000 Hz
- Frequency response 40 - 16 000 Hz
- Signal-to-noise ratio ≥ 70 dBA (IEC)
- Stereo separation ≥ 50 dB (IHF)
- AUX input sensitivity 200 mV
- Headphones 8 Ω - 1 000 Ω (5 Veff - 120 Ω)

Tuner

- FM wave range 87.5 - 108 MHz
- MW wave range 522 - 1620 kHz
- Selectivity 30 dB
- Total harmonic distortion ≤ 1.5%
- Frequency response 63 - 10 000 Hz (± 3 dB)
- Signal-to-noise ratio 55 dBA (mono)

CD player

- Frequency range 20 - 20 000 Hz
- Signal-to-noise ratio 80 dB
- Dynamic range 80 dB
- Channel separation 60 dB
- Total harmonic distortion 70 dB ≤ 1%

Cassette deck

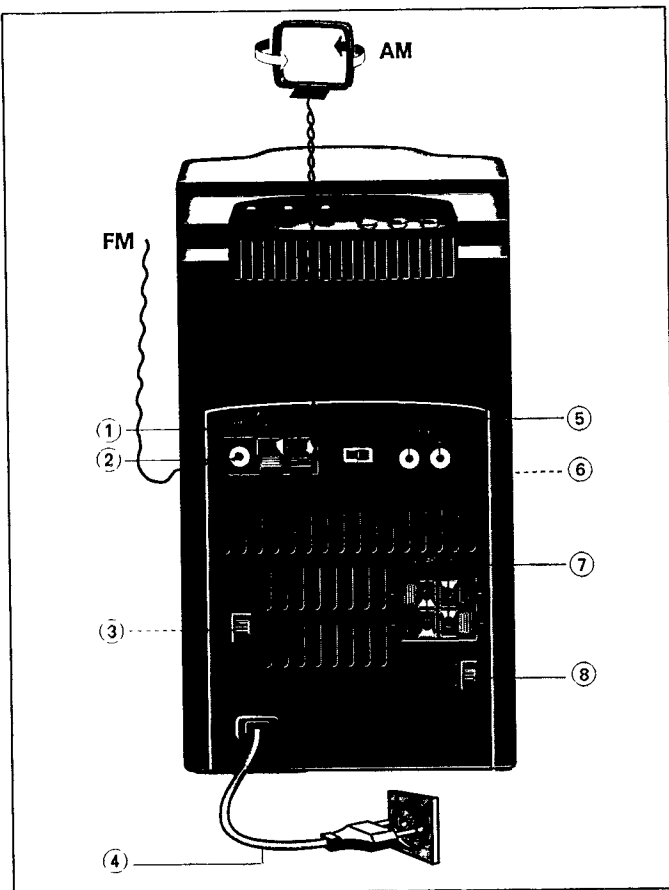
- Frequency range (type I tape) 63 - 10 000 Hz (± 5 dB)
- Signal-to-noise ratio (type I tape) 50 dBA
- Wow and flutter ≤ 0.3% DIN

General

- Dimensions (w x h x d) 150 x 260 x 250 mm

2. CONNECTIONS

English



BACK PANEL

- ① **GND/AM** – (AM antenna terminals) for AM reception.
- ② **FM antenna**
- ③ **VOLTAGE SELECTOR** – (not on all versions).
- ④ **MAINS lead** – to connect the set to the wall socket.
- ⑤ **AUX** – input sockets for an external sound source, e.g. the sound channel of a TV set, video recorder, DCC-player etc.
- ⑥ **AM grid selector** – (not all versions) to select a AM (MW) tuning step or the 9/10 KHz.
- ⑦ **SPEAKERS** – speaker terminals.
- ⑧ **RIF selector** – for eliminating possible whistle tones during AM radio recordings, see chapter CASSETTE DECK.

RADIO AERIALS

AM ANTENNA

Connect the AM antenna to the AM and GND antenna terminals. Adjust the position of the antenna to obtain the optimum reception. Once this position is established, mount the antenna using screws or put it on a flat surface.

FM ANTENNA

Extend the FM antenna (keep the end of the antenna away from the system).

Adjust the position of the antenna to obtain the optimum reception.

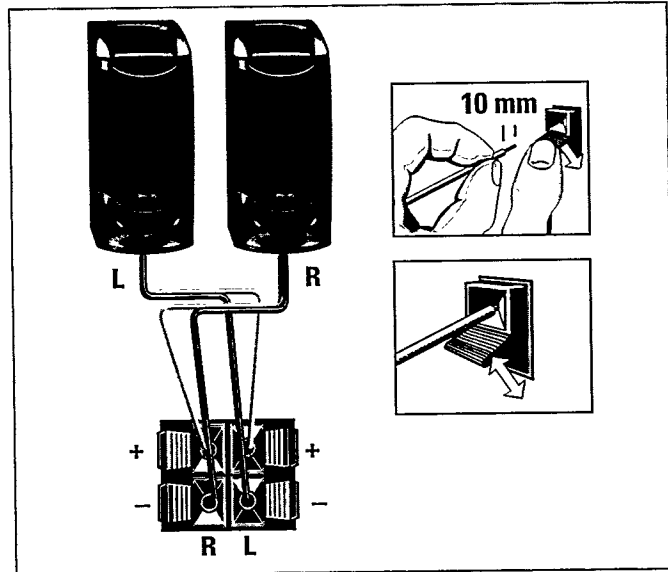
NOTE: Do not place the antenna near the unit, speaker wires, AC cord or metal objects as this may cause interference to reception.

SPEAKERS

You will find the best speaker position by experimenting. Placing the speakers on the floor will increase the bass response.

Placing the speakers behind curtains, furniture etc. will reduce the treble response and the stereo effect.

The ideal position is obtained when the 2 speakers and the listening position build an equilateral triangle and the speakers are at ear-height.



- Connect the black or non-marked wires to the black terminals and the red or marked wires to the red terminals.

AUX INPUT SOCKETS

Cinch-input sockets for amplifying or recording the signal from an external sound source, e.g. the sound channel of a TV, Video recorder, DCC-player etc.

- Connect the AUX sockets to the output sockets LINE OUT, AUDIO OUT or REC OUT of the other set, left to left ('L') and right to right ('R').

MAINS LEAD

- Before connecting the system to the mains, proceed as follows:
 - If the system is equipped with a VOLTAGE SELECTOR, first adjust the voltage selector to the local mains voltage.
 - If the system does not have a voltage selector, first check if the mains voltage as shown on the type plate on the back of the system corresponds to your local mains voltage. If it does not, consult your dealer or service organisation.
- After all other connections have been made, extend the mains lead and insert the plug of the mains lead in the wall socket.
- When connected to the mains, the system is always energised. To switch off the mains supply completely, pull the mains plug out of the wall socket.

Important!

When the power supply is interrupted, e.g. by pulling the mains plug out of the wall socket, the memory for clock time settings and the preset radio stations will only be kept for about 0.2 minutes.

Important note for users in the U.K.

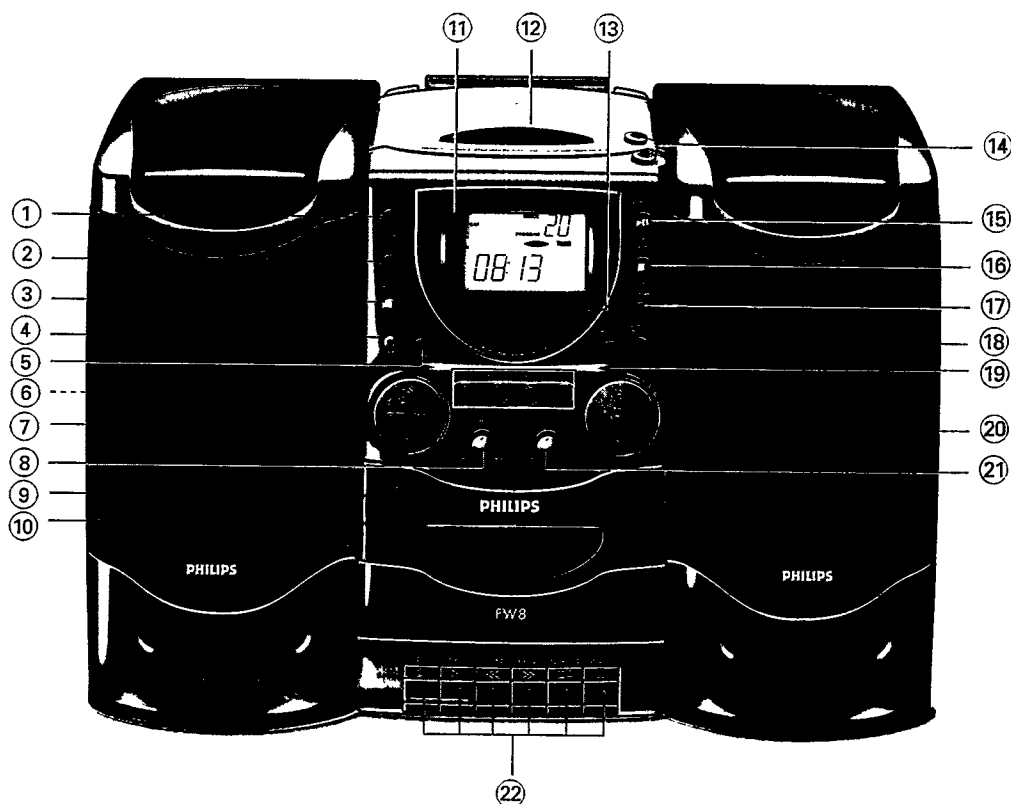
When fitting a mains plug to the mains lead, follow the instructions on page 2.

STEREO HEADPHONES

- You can connect stereo headphones with a 3,5 mm plug to the PHONES socket.
- Inserting the plug will disconnect the speakers.

3. SYSTEM SURVEY

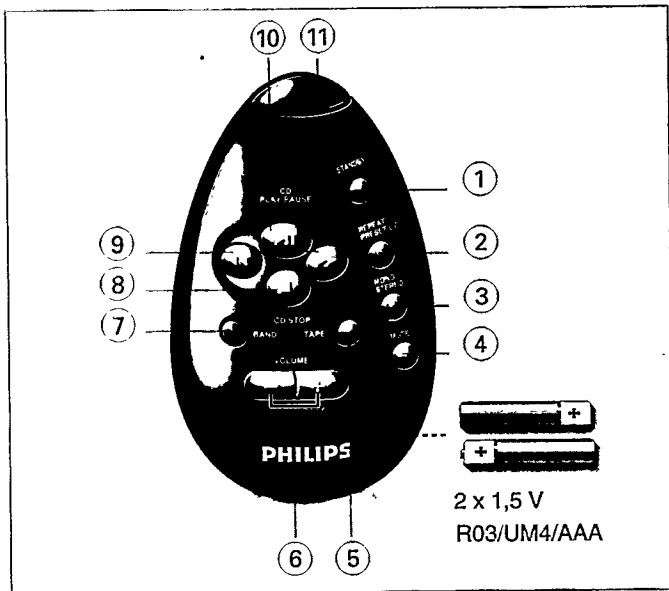
English



SYSTEM CONTROLS

- ① **SLEEP** – to activate the sleep function; to cancel press continuously until the display shows $\overline{00}$.
- ② **TIMER**
 - for adjusting the start and stop time of the timer.
 - together with DISPLAY: to switch the timer function on/off.
- ③ **STANDBY (POWER)** – for switching the system on or off (to the standby mode).
- ④ **PHONES** – socket for stereo headphones.
- ⑤ **PROG(ram)/TIME SET**
 - CD** – to programme cd-tracks.
 - TUNER** – to programme preset radio stations.
 - CLOCK** – to adjust the clock and timer setting.
- ⑥ **RESET button** – to reset the system.
- ⑦ **TUNE/TIME/SEARCH**
 - CD NEXT ▲ / - PREV. ▼**
 - to select the next or previous track.
 - to search forward ▲ or backward ▼ within a track.
 - Tuner UP ▲ - DOWN ▼** – to tune to a radio frequency.
 - Clock UP ▲ - DOWN ▼** – to set the clock and timer.
- ⑧ **BASS** – for adjusting the bass tones.
- ⑨ **RECORD indicator** – lights up during recording.
- ⑩ **Source selectors TAPE / TUNER•BAND / AUX / CD** – to select the required sound source.
- ⑪ **System display** – informs you about the functioning of the system.
- ⑫ **CD cover**
- ⑬ **I(nfra) R(ed) sensor** – receives the signal from the remote control.
- ⑭ **OPEN ▲** – to open the CD compartment.
CLOSE – to close the CD compartment.
- ⑮ **PLAY/PAUSE ▶||** – to start or interrupt CD playback
- ⑯ **STOP ■** – to stop CD-playback and to erase a CD programme (press twice).
- ⑰ **DISPLAY**
 - to display the actual time for a few seconds during TUNER or CD operation;
 - to display the start/stop time when the timer is on;
 - to adjust the start/stop time (together with the TIMER button).
- ⑱ **SHUFFLE/INTRO**
 - **SHUFFLE**: to play all CD-tracks in a random order; press intro again
 - **INTRO**: to play the first ten seconds of all tracks.
- ⑲ **REPEAT (CD)/PRESET UP (tuner) button**
 - Tuner** – to select preset radio stations.
 - CD** – to repeat one track or the whole CD (or CD-program) continuously; press again to cancel.
- ⑳ **VOLUME UP ▲ / DOWN ▼** – to adjust the volume.
- ㉑ **TREBLE** – to adjust the treble tones.
- ㉒ **Cassette deck buttons**
 - RECORD ●** – to start recording.
 - PLAY ▶** – to start playback.
 - ◀◀ REWIND** – to rewind the tape.
 - F.FWD ▶▶** – to wind the tape forward.
 - STOP ■ / EJECT ▲** – to stop recording and playback and to open the cassette holder.
 - PAUSE ||** – to briefly interrupt recording and playback

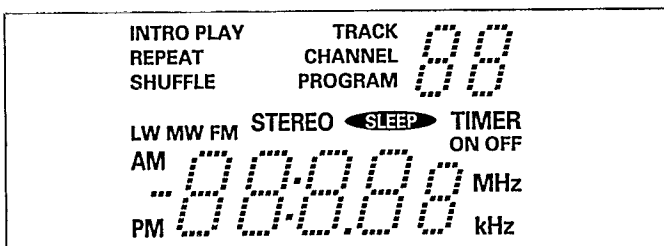
REMOTE CONTROL UNIT



- Open the battery compartment and insert two batteries, type R03, UM-4 or AAA cells.
 - Remove the batteries when they are empty or if they will not be used again for a long period.
- The lifetime of the batteries of the remote control is about one year.

- (1) **STANDBY** ϕ (power) – for switching the system on or off (standby).
- (2) **REPEAT/PRESET UP**
TUNER – to select preset radio stations.
CD – to repeat one track or the whole CD (or CD programme) continuously. Press again to cancel.
- (3) **MONO/STEREO** – to select FM reception in mono or stereo.
- (4) **MUTE** – for temporarily muting the sound; the STANDBY indicator starts blinking. Press again to cancel (Only possible via the remote control).
- (5) **TAPE** - to activate the cassette deck functions.
- (6) **VOLUME UP + / DOWN --** – for adjusting the volume.
- (7) **BAND** – to select AM (=MW) or FM.
- (8) **STOP** \blacksquare – to stop CD-playback.
- (9) **PREVIOUS** \ll /**NEXT** \gg – to select the next or previous CD-track.
- (10) **PLAY/PAUSE** \blacksquare – to start and interrupt CD-playback.
- (11) **IR transmitter** – Infrared remote control transmitter.

SYSTEM DISPLAY



Using the DISPLAY button you can display the time for a few seconds during TUNER or CD operation.

Displaying clock functions (in STANDBY mode)

- Indicates the actual time when the system is in the standby mode.
- **SLEEP** – lights up when the sleep timer is activated.
- **TIMER** – indicates whether the timer is activated or not.
- **ON/OFF** – lights up when the timer ON or OFF time is displayed.
- **PM/AM** – to indicate part of the day in versions having a 12 hour clock (not present in versions having a 24 hour clock).

Displaying tuner functions

- Indicates the tuned radio frequency in kHz for AM (=MW) or in MHz for FM.
- **CHANNEL** – indicates which radio preset station has been selected.
- **PROGRAM** – flashes when you are in the programming mode to store a preset station.
- **STEREO** – lights up when receiving a FM stereo station.
- **FM, AM (=MW)** – indicates the selected wave band.

Displaying CD functions

- **TRACK** – indicates either which track is being played or the number of tracks on the CD or in a CD program.
- Indicates the total playing time of the CD or CD-program, or the elapsed or remaining playing time of the track.
- **PROGRAM** – lights up during CD-programming, when a program is stored and when a program is being played.
- Indicates which track is programmed and which programmed track is being played and the elapsed time of the playing track.
- **INTRO PLAY** – lights up in the intro play mode (playing the first 10 seconds of all tracks).
- **REPEAT** – lights up when repeating a track, a whole CD or a CD program.
- **SHUFFLE** – lights up in the shuffle mode (playing in random order).

SWITCHING THE SYSTEM ON AND OFF (STANDBY)

You can switch the system on or off (Standby) using the STANDBY (power) button, either on the system or on the remote control.

In position standby the STANDBY button (indicator) will light up and the clock time is displayed.

NOTE: This unit is equipped with DIRECT POWER and DIRECT FUNCTION. When the unit is in standby mode, pressing any source selector, (TAPE, TUNER, CD, AUX) and CD play, the system will automatically turn on the power and the selected sound source will be activated.

Important!

When the power supply is interrupted, e.g. by pulling the mains plug out of the wall socket, the memory for clock time settings and the preset radio stations will only be kept for about 0.2 minutes.

AM (= MW) TUNING GRID (not on all versions)

In North and South America the frequency step between adjacent channels in the AM band (=MW) is 10 kHz. In the rest of the world this step is 9 kHz. Usually the frequency step has been preset in the factory for your area.

To change the tuning step

- Switch off the STANDBY (power).
- Set the AM (=MW) TUNING GRID selector (on the back) to 9 kHz or 10 kHz.
- Switch on the STANDBY (power) again.
- All time settings and preset radio stations are lost now and have to be adjusted again.

4. TUNER

English

RADIO RECEPTION

- Check if the AM (=MW) tuning grid selector (if present, on the back) is adjusted properly: 10 kHz for the Americas, 9 kHz for other countries.
- Switch on the system by pressing the STANDBY (power) or TUNER/BAND button, either on the system or on the remote control.
 - The STANDBY indicator disappears.
- Adjust the volume with the VOLUME button on the system or on the remote control.
- Adjust the sound with the controls BASS and TREBLE.
- Select the wave band by pressing the TUNER/BAND button, either on the system or on the remote control.
- To select a preset radio station, use the REPEAT/ PRESET UP button. See chapter 'Programming preset radio stations'.
- When a non-preset radio station is required, select the wave band by pressing TUNER/BAND (on the system or on the remote control) and tune to a frequency using the TUNE/TIME/SEARCH button.
- When STEREO appears on the display, you are receiving a FM-stereo transmitter. A disturbing noise, due to a weak FM-stereo signal, can be suppressed by setting MONO/STEREO (on the remote control) to mono.
 - The STEREO indication disappears and you will hear and record the FM station in mono.
- To display the actual time for a few seconds, press the DISPLAY button once.



SEARCH TUNING

- Select the wave band by pressing TUNER/BAND (on the system or on the remote control).
- Keep the TUNE/TIME/SEARCH button ▲ or ▼ pressed until the frequency on the display starts running. Then release the button and the tuner will search until a station of sufficient strength has been found.
 - Weak transmitters are skipped during search tuning.
- If the transmitter found is not the desired one, repeat the previous steps.

MANUAL TUNING TO WEAK TRANSMITTERS

Weak transmitters are skipped during search tuning. If you know the frequency of the desired radio station, you can tune to it as follows:

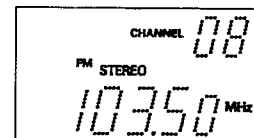
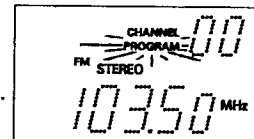
- Keep TUNE/TIME/SEARCH button ▲ or ▼ pressed until the frequency on the display starts running (search tuning).
- If you approach the required frequency, stop search tuning by pressing the opposite TUNE/TIME/SEARCH button (▲ or ▼) briefly.
- Now press TUNE/TIME/SEARCH button (▲ or ▼) briefly each time to change the frequency step-by-step until the required frequency has been reached or until optimum reception is obtained.

PRESET RADIO STATIONS

You can store 10 FM-stations and 10 AM (=MW)-stations in the memory of the tuner.

Programming preset radio stations

- Select the wave band using the TUNER/BAND selector (on the system or on the remote control) and tune to the desired radio station using the TUNE/TIME/SEARCH button (see the chapters 'Search tuning' and 'Manual tuning').
- To store the station frequency, press PROGRAM/TIME SET.
 - On the display PROGRAM starts flashing and CHANNEL 00 appears.
- Quickly select the preset number (CHANNEL 01 to 10) using the REPEAT/PRESET UP button.
- To store the selection, press PROGRAM/TIME SET again.
 - The display shows the preset number and the frequency.
 - The PROGRAM indication disappears.
- Repeat this procedure to store other frequencies and presets in the memory.
- You can clear a preset number by storing another frequency in its place.

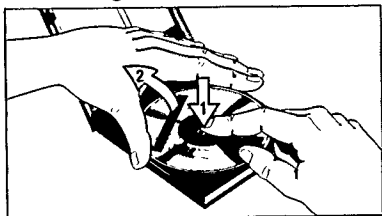


Selecting a preset radio station

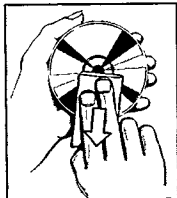
- Select the wave band by pressing TUNER/BAND (on the system or on the remote control).
- Press the REPEAT/PRESET UP button until the desired preset number (CHANNEL) and frequency appears.

CD HANDLING

- Only use Digital Audio CDs.
- To take the CD out of its box easily, press the centre spindle while lifting the CD.



- Never write on a CD or attach a sticker to it.
- Always hold the CD at the edge and always store it in its box after use, label facing up.
- To remove dust and dirt, breathe on the CD and wipe it with a soft, lint-free cloth in a straight line from the centre towards the edge. Cleaning agents may damage the CD!
- Do not expose the CD to rain, moisture, sand, or to excessive heat e.g. from heating equipment or in motor cars parked in the sun.

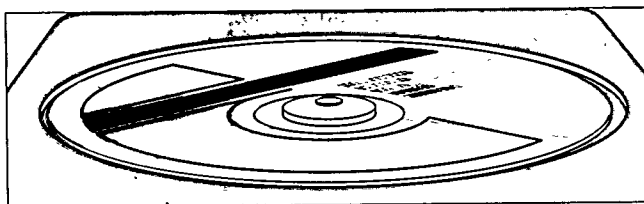


PLAYING A CD

- Switch on the system by pressing STANDBY (power) either on the system or on the remote control.
 - The STANDBY indicator disappears.
- Select the CD player by pressing CD.

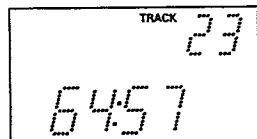
Note: You can also switch on the system by pressing the CD button or the PLAY/PAUSE ►|| button (on the system or on the remote control). In this case the CD player starts playback with the first track of the CD in the CD compartment directly.

- Adjust the volume with the VOLUME button on the system or on the remote control.
- Adjust the sound with the controls BASS and TREBLE.
- Press OPEN ▲ to open the CD cover.
- Insert the AUDIO CD, printed side facing up.



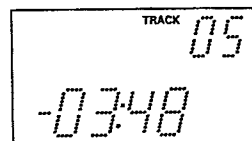
- Close the cover: the CD-player starts and scans the contents list of the CD. After that, the total playing time and the number of tracks appear on the display and the CD-player stops.

- The display shows:
 - TRACK followed by the total number of tracks.
 - The total playing time of the CD.
- To display the time-of-day for a few seconds, press DISPLAY once.



- Start playback by pressing PLAY/PAUSE ►|| on the system or on the remote control.

- The display shows:
 - TRACK - the number of the track being played.



- The elapsed time of that track.
- To display the **remaining playing time of the CD**, press DISPLAY once.
- To display the time-of-day for a few seconds, press DISPLAY twice.
- For brief interruptions, press PLAY/PAUSE ►||.
- The elapsed time starts flashing.
- To continue playback, press PLAY/PAUSE ►|| again.
- When the end of the CD is reached, the CD player stops and the display shows the total playing time of the CD and the number of tracks.
- To stop playback, press STOP ■ on the system or on the remote control.
- To take out the CD, open the CD cover by pressing OPEN ▲. Open the CD cover only if the CD-player is in position STOP.

NEXT/ PREVIOUS

By **briefly** pressing NEXT ▲ or PREVIOUS ▼ of the TUNE/TIME/SEARCH button on the system or ►► (next)/◄◄ (previous) on the remote control, you can jump to a next or previous track, or you can select a track before starting playback.

a. During PLAY, INTRO PLAY and SHUFFLE

NEXT – go to the next track (title)

You can jump to the next title by pressing NEXT once. If you want to skip more than one track, press NEXT more than once until the display shows the desired track number.

PREVIOUS – go to the previous track (title)

If you want to repeat the running title from the beginning, press PREVIOUS once.

If you want to repeat one of the previous titles, press PREVIOUS more than once until the display shows the required track number.

b. In position STOP

In position STOP with a CD inserted you can select the desired title using PREVIOUS or NEXT until the display shows the required track number. Press PLAY/PAUSE ►|| to start playback.

SEARCH FORWARD/BACKWARD

By **keeping** the TUNE/TIME/SEARCH button on the system **pressed** (▲ forward/▼ backward) or ►► (forward)/◄◄ (backward) on the remote control **during playback**, you can search for a particular passage within a track. The CD is played partly and at high speed, however, the sound is still recognizable.

- Release the button as soon as you recognize the required passage: the CD will be played in the normal way from this passage.▼

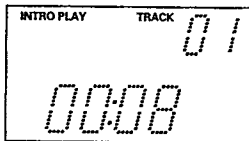
5. CD PLAYER

English

INTRO PLAY - PLAY THE FIRST 10 SECONDS

In the INTRO PLAY function, only the first 10 seconds of each track are played, always starting from the lowest track number.

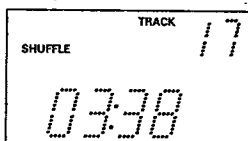
- From the STOP-position, press SHUFFLE/INTRO twice until the display shows INTRO PLAY.
- Press PLAY/PAUSE ►|| to start playback and the display counts the first 10 seconds.
- Press SHUFFLE/INTRO again when you wish to hear a track completely.
- INTRO PLAY disappears from the display and the CD player will revert to normal play.
- If you press PREVIOUS or NEXT, the INTRO PLAY function remains operative and the beginning of the NEXT or PREVIOUS track is played.
- If you press STOP ■, or if the end of the CD is reached, the CD player returns to STOP and INTRO PLAY disappears from the display.



SHUFFLE - PLAY IN RANDOM ORDER

The SHUFFLE function plays all tracks in a random order.

- From the STOP-position, press SHUFFLE/INTRO once.
- The display shows SHUFFLE.
- Start playback by pressing PLAY/PAUSE ►|| on the system or on the remote control.
- If you press PREVIOUS or NEXT, the SHUFFLE function remains operative and an already played track is repeated (PREVIOUS) or one of the NEXT tracks (at random) is played.
- If you press STOP ■, the CD player returns to STOP.
- SHUFFLE disappears from the display.



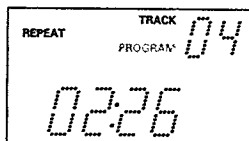
REPEAT

It is possible to continuously repeat a whole CD, the programmed tracks or a particular track by pressing the REPEAT/PRESET UP button on the system or on the remote control.

- Start playback by pressing PLAY/PAUSE ►|| on the system or on the remote control.

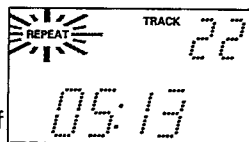
Repeat the CD or the programmed tracks

- Press REPEAT/PRESET UP **once**.
- The display shows REPEAT.



Repeat the running track

- Press REPEAT/PRESET UP **a second time**.
- REPEAT flashes on the display.
- Note:** You cannot repeat one track if a CD program is active.



Leaving the REPEAT mode

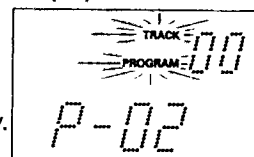
- Press REPEAT/PRESET UP **a third time**.
- REPEAT disappears from the display.

PROGRAMMING TRACK NUMBERS

You may select a number of tracks and store these in the memory in the desired sequence. When playing, you will only hear the stored tracks in the selected sequence. At most, 20 tracks can be stored in the memory. You may store any track more than once.

Programming

- From the STOP-position, press PROGRAM/TIME SET.
- On the display, PROGRAM and TRACK start flashing and P-01 appears.
- Press PREVIOUS or NEXT until the desired track number appears on the display.
- Press PROGRAM/TIME SET button again to store this track.
- On the display P-02 appears.
- Store all desired tracks in the required sequence in the same way.
- To play your selection, press PLAY/PAUSE ►|| on the system or on the remote control while PROGRAM is still visible on the display.
- The programmed tracks will be played in the programmed sequence.



Repeating the programmed CD tracks from STOP-position

- Press PROGRAM/TIME SET button once.
- PROGRAM appears on the display.
- Press PLAY/PAUSE ►|| on system or on remote control and the program is displayed again.

Checking the CD program

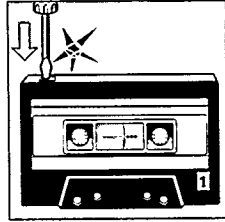
- From the STOP-position, press the PROGRAM/TIME SET button repeatedly to check the programmed track numbers.

Erasing a program

- You can erase the contents of the memory:
 - by pressing STOP ■ twice, when PROGRAM still shows on the display;
 - by opening the CD cover;
 - by selecting another sound source;
 - by switching the system to STANDBY.

COMPACT CASSETTES

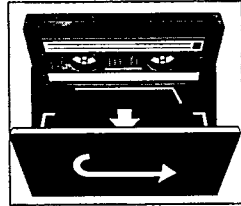
- At the very beginning and end of the tape, no recording will take place during the first 7 seconds when the leader tape passes the recorder heads.
- To prevent the accidental erasure of a recording, keep the cassette side to be safeguarded in front of you and break out the left tab. Now, recording on this side is no longer possible. To render this safeguard ineffective, cover the aperture with a piece of adhesive tape.
- Do not expose the cassettes to rain, moisture, sand, or to excessive heat e.g. from heating equipment or in motor cars parked in the sun.



CASSETTE RECORDING

Preparation

- Switch on the system by pressing STANDBY (power) or TAPE, either on the system or on the remote control.
- The STANDBY indicator disappears.
- Press STOP ■/EJECT ▲ to open the cassette holder.
- Insert the cassette.
For recording you must use a NORMAL (ferro) cassette, IEC type I, which is not safeguarded against erasure.
- When monitoring during recording, adjust the sound with the controls VOLUME, BASS and TREBLE. These controls do not affect the recording.
- For fast winding, press REWIND ◀◀ or F.FWD ▶▶. To stop, press STOP ■.



Recording from the radio

- Select the sound source by pressing TUNER/BAND on the system or on the remote control.
- In case of FM radio recordings, press the MONO/STEREO button on the remote control to select mono/stereo broadcast for recording.
- A whistling sound occurring during AM (MW) radio recordings can be suppressed by setting the RIF-selector (on the rear) to another position.

Recording from the CD player

- Select the sound source by pressing CD on the system or on the remote control.
- Insert a CD. If you do not want to record all CD tracks, it is useful to program track numbers, see COMPACT DISC PLAYER.
- Note that at the very beginning and end of the tape, no recording will take place during the first 7 seconds when the leader tape passes the recorder heads. In this case, press the CD PLAY/PAUSE ►|| button about 7 seconds later than the RECORD ● button.

Recording from the AUX input sockets

- Connect the AUX sockets to the output sockets LINE OUT, AUDIO OUT or REC OUT of the other set.
- Select the sound source by pressing AUX on the system.

Starting and stopping the recording

- Start recording by pressing RECORD ●.
- The recording indicator RECORD lights up.
- For brief interruptions, press PAUSE ||.
- To restart recording, press this button once more.
- To stop recording, press STOP ■/EJECT ▲.
- On pressing again, the cassette holder will open.

CASSETTE PLAYBACK

- Switch on the system by pressing STANDBY (power) or TAPE, either on the system or on the remote control.
- The STANDBY indicator disappears.
- Press EJECT ▲ and insert a recorded cassette.
- For fast winding, press REWIND ◀◀ or F.FWD ▶▶.
- To stop, press STOP ■/EJECT ▲.
- Press PLAY ► and playback will start.
- Adjust the sound with VOLUME, BASS and TREBLE.
- To stop, press STOP ■/EJECT ▲.
- On pressing again, the cassette holder will open.
- When the end of the tape is reached, the recorder buttons are released.

7. CLOCK/TIMER

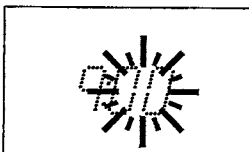
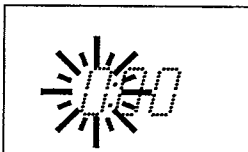
English

CLOCK

When the system is in standby mode, the time is displayed. Depending on the version, the system is equipped with either a 12-hour or a 24-hour clock. In case of a 12-hour clock, AM (morning) or PM (afternoon) appears on the display.

SETTING THE TIME-OF-DAY

- Set the system to the standby mode by pressing the STANDBY (power) button either on the system or on the remote control.
 - The STANDBY indicator lights up and the time is displayed.
- Press the PROGRAM/TIME SET button once.
 - The hours start flashing.
- Press the TUNE/TIME/SEARCH button (▲ or ▼) to adjust the hours.
 - In case of a 12-hour clock, watch the AM/PM indication.
- Press the PROGRAM/TIME SET button again.
 - The minutes start flashing.
- Press TUNE/TIME/SEARCH button (▲ or ▼) to adjust the minutes.
- Press the PROGRAM/TIME SET button again or wait a few seconds and the clock will start running.



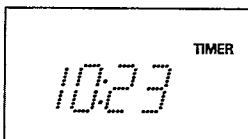
ADJUSTING THE TIMER ON AND OFF SETTINGS

Using the TIMER function, the system can be switched on and off automatically at a preset time. You can use the TIMER function e.g. for waking you up by radio, CD or cassette playback.

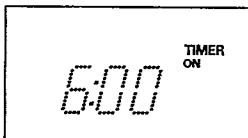
- Set the system to the standby mode by pressing the STANDBY (power) button either on the system or on the remote control.
 - The STANDBY indicator lights up and the time is displayed.

Important: Performing the settings below should be done quickly. When waiting too long before pressing a button, the clock leaves the programming mode and returns to time-of-day indication.

- Press the **TIMER** button once.
 - TIMER appears on the display.

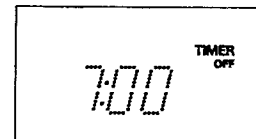


- Press the **DISPLAY** button once.
 - TIMER ON appears on the display and the previous ON-time is displayed.



- Press the **PROGRAM/TIME SET** button once, while TIMER ON still shows on the display.
 - The hours and ON start flashing.
- Press the TUNE/TIME/SEARCH button (▲ or ▼) to adjust the hours. In case of a 12-hour clock, watch the AM/PM indication.
- Press the PROGRAM/TIME SET button again.
 - The minutes and ON start flashing.
- Press TUNE/TIME/SEARCH button (▲ or ▼) to adjust the minutes.

- Press the **DISPLAY** button again.
 - TIMER OFF appears on the display and the previous OFF-time is displayed.
- Set the hours and minutes in the same way as above.
- Press the **DISPLAY** button again or wait a few seconds and the display will show the time-of-day again.



CHECKING THE TIMER ON AND OFF SETTINGS

- Set the system to the standby mode by pressing the STANDBY (power) button either on the system or on the remote control.
 - The STANDBY indicator lights up and the time is displayed.
- Press the **TIMER** button once.
 - TIMER appears on the display.
- Press the **DISPLAY** button once again.
 - TIMER ON and the ON-time is displayed.
- Press the **DISPLAY** button for the third time.
 - TIMER OFF and the OFF-time is displayed.
- Press the **DISPLAY** button again or wait a few seconds.
 - The display will show the time-of-day again.

Wake by the radio

- Select the sound source by pressing the TUNER/BAND button on the system or on the remote control.

Wake by CD playback

- Select the sound source by pressing the CD button and insert a CD.

Wake by cassette playback

- Select the sound source by pressing TAPE on the system or on the remote control, insert a recorded cassette and press the PLAY button.

ACTIVATING THE TIMER

- Set the system to the standby mode by pressing STANDBY (power) either on the system or on the remote control.
 - The STANDBY indicator lights up and the time is displayed.
- Press the **TIMER** button until the word **TIMER** appears on the display.
 - As soon as the adjusted **TIMER ON** time is reached, the radio, CD player or cassette deck will start playing.
 - As soon as the adjusted **TIMER OFF** time is reached, the system switches to the standby mode.
- To switch off the system before the adjusted **TIMER OFF** time is reached, press **STANDBY (power)** on the system or on the remote control.
 - The timer function will be activated again after 24 hours.

SWITCHING OFF THE TIMER FUNCTION COMPLETELY

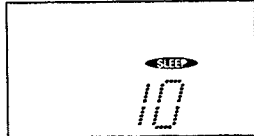
- Press the **TIMER** button until the word **TIMER** disappears from the display.
 - The timer function is now completely switched off.

7. CLOCK/TIMER

SLEEP TIMER

The sleep timer is a countdown timer for switching the system to standby mode after a specified time. It enables you to listen to the radio, a CD or a cassette prior to falling asleep. The sleep timer can be set from 10 to 90 minutes.

- Switch on the system by pressing the **STANDBY (power)** button, either on the system or on the remote control.
 - The **STANDBY** indicator disappears.
- Select the sound source by pressing **TAPE, TUNER/BAND, AUX** or **CD**.
- Press the **SLEEP** button once.
 - The word **SLEEP** and the number **10** will appear on the display.
 - The system will now play for 10 minutes.
- To increase the sleep time in steps of 10 minutes (up to 90 minutes), press the **SLEEP** button repeatedly.
 - After a few seconds, the previous display is shown again (e.g. with **TUNER** or **CD** information).
- To switch off the system before the **SLEEP** time has elapsed, press **STANDBY (power)**, either on the system or on the remote control.



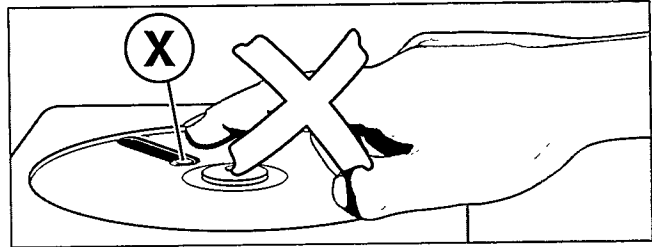
8. MAINTENANCE

SYSTEM MAINTENANCE

- The mechanical parts of the CD player and the cassette deck contain self-lubricating bearings and must not be oiled or lubricated.
- A chamois leather slightly moistened with water is sufficient for cleaning the system.
- Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.
- Do not leave the system for any length of time in direct sunlight or other places where high temperatures can occur, such as in the vicinity of heating apparatus.
- Do not expose the system to humidity or rain.

CD-PLAYER MAINTENANCE

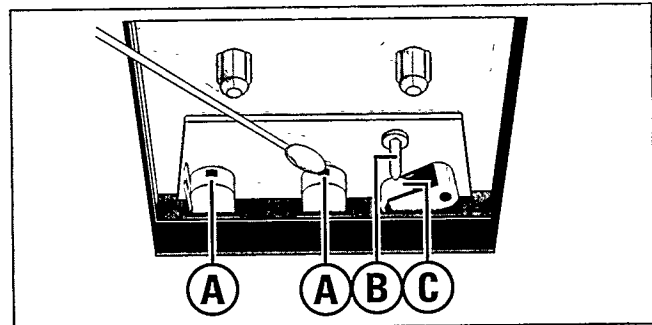
- The lens (X) must not be cleaned.
- The lens may cloud over if the CD player is moved from cold to warm surroundings. The CD player will not start. Do not clean the lens, but give the player some time to acclimatise.



CASSETTE DECK MAINTENANCE

To ensure a good recording and playback quality, clean the indicated parts (A), (B), (C) after every 50 hours of operation or, on average, once a month.

- Open the cassette holder using **STOP ■/EJECT ▲**.
- Use a cotton bud slightly moistened with alcohol or a special head cleaning fluid.
- Press **PLAY ►** and clean the rubber pressure rollers (C).
- Then press **PAUSE ||** and clean the capstans (B) and the heads (A).
- After cleaning, press **STOP ■/EJECT ▲**.



- Cleaning of the heads (A) can also be done by playing a cleaning cassette through once.

10. TROUBLESHOOTING

TROUBLESHOOTING

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 service centre.
If any repair is needed, always deliver the complete system (not only one unit) at your dealer or service centre.

WARNING

Under no circumstances should you try to repair the system units yourself, as this would invalidate the guarantee.

PROBLEM

- POSSIBLE CAUSE
- REMEDY

No power

- Mains lead is not connected securely
- Connect the mains lead securely

No sound

- VOLUME is not adjusted
- Adjust the VOLUME
- Sound is muted (MUTE button on remote control)
- Press the MUTE button again
- Headphones are connected
- Disconnect headphones
- Speakers are not (or wrongly) connected
- Connect the speakers securely

Bad sound

- Wrong phase connection of speakers
- Note the marked wires, see Connections
- Unsuitable speakers are used
- Use supplied speakers

No sound on left or right side

- Speaker wrongly connected
- Connect speaker properly

Reversed left and right sound

- Speakers are wrongly connected
- Connect left speaker to LEFT, right speaker to RIGHT

System does not react to operation of any button

- Electrostatic discharge
- Switch off the system, disconnect the mains plug, reconnect after a few seconds or press the RESET switch

Severe radio hum or noise

- FM aerial not unrolled or positioned
- Unroll FM aerial and position for best reception
- System too close to TV, VCR or computer
- Increase the distance

NO DISC or ERROR indication

- CD is badly scratched or dirty
- Replace or clean the CD
- No CD inserted
- Insert CD
- CD inserted upside down
- Insert CD with label upwards
- Laser lens is steamed up
- Wait until lens has acclimatized

The CD skips tracks

- CD is damaged or dirty
- Replace or clean the CD
- SHUFFLE or PROGRAM is active
- Switch off SHUFFLE or PROGRAM play

Bad cassette sound quality

- Dust and dirt on the heads, capstan or pressure roller
- Clean the heads, capstan and pressure roller, (see Maintenance)

Recording does not work

- Cassette tab(s) may be removed
- Apply a piece of adhesive tape over the missing tab space

Remote control does not function properly

- System is not switched on
- Switch on the system by pressing STANDBY (power) on the system or on the remote control
- Remote control batteries are incorrectly inserted
- Insert batteries properly
- Remote control batteries exhausted
- Replace batteries
- Distance to the system is too large
- Reduce the distance
- Wrong sound source selected
- Select correct sound source
- Remote control is not directed towards the IR sensor on the system
- Direct the remote control towards the IR sensor on the system

The type plate can be found on the back of the system.

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

Recording is permissible insofar as copyright or other rights of third parties are not infringed.

GUARANTEE FOR AUSTRALIA

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

The Philips product carries the following warranties:

- C-series HiFi-systems 12 months.
- Compact Disc Players: 12 months.
- Home Audio Systems: 6 months.
- Clock radios, portable radios, cassette recorders, cassette players and radio recorders: 90 days.

Any defect in materials or workmanship occurring within the specified period from the date of delivery, will be rectified free of charge by the retailer from whom this product was purchased.

Note: Please retain your purchase docket to assist prompt service.

Conditions of this warranty

1. All claims for warranty service must be made to the retailer from whom this product was purchased. All transport charges incurred in connection with warranty service or replacement will be paid by the purchaser.
2. These warranties do not cover batteries and extend only to defects in materials or workmanship occurring under normal use of the product where operated in accordance with our instructions.

**Philips
Consumer Products Division
Technology Park
Figtree Drive, Australia Centre
Homebush 2140
New South Wales**

GUARANTEE FOR NEW ZEALAND

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

1. The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.
2. 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

GARANTÍA PARA MÉXICO

Este aparato está fabricado con materiales de alta calidad y ha sido cuidadosamente verificado. Philips, por lo tanto, da a usted una garantía de 12 meses a partir de su fecha de compra.

La garantía ampara la reposición de las piezas defectuosas debidas a fallas en su montaje o en los materiales, incluyendo la mano de obra necesaria para su reemplazo en nuestras Sucursales o talleres autorizados.

En caso de fallas en su aparato le rogamos se sirva poner en contacto con su distribuidor.

Esta garantía no cubrirá las averías que resulten como consecuencia de una instalación incorrecta del aparato, manifiesto maltrato o uso inadecuado del mismo.

Philips se obliga a reparar y devolver a usted su aparato en un plazo no mayor de 30 días hábiles contados a partir de la fecha de haber ingresado su aparato a uno de nuestros talleres.

Con la presentación de la factura o remisión de su aparato podrá hacer efectiva la garantía.

Si usted tiene alguna duda o pregunta que no le pueda solucionar su distribuidor, por favor ponerse en contacto con:

Oficinas Centrales de Servicio,**Av. Coyoacán No. 1051,****Col. del Valle,****03100 México, D.F.****☎ 5-75-20-22 o 5-75-01-00****CERTIFICADO DE GARANTIA INTERNACIONAL**

Este aparelho é garantido pela Philips da Amazônia Indústria Eletrônica LTDA, por um período superior ao estabelecido por lei. Porém, para que a garantia tenha validade, é imprescindível que, além deste certificado, seja apresentada a nota fiscal de compra do produto.

1. Philips da Amazônia Indústria Eletrônica LTDA assegura ao proprietário consumidor deste aparelho a garantia de 365 dias (90 dias legal e 275 dias adicional) **contados a partir da data de entrega do produto, conforme expresso na nota fiscal de compra**, que passa a fazer parte deste certificado.
2. Esta garantia perderá sua validade se:
 - a. O defeito apresentado for ocasionado por uso indevido ou em desacordo com o seu manual de instruções.
 - b. O produto for alterado, violado ou consertado por pessoa não autorizada pela Philips.
 - c. O produto for ligado a fonte de energia (rede elétrica, pilhas, bateria, etc.) de características diferentes das recomendadas no manual de instruções e/ou no produto.
 - d. O número de série que identifica o produto estiver de alguma forma adulterado ou rasurado.
3. Estão excluídos desta garantia defeitos decorrentes do descumprimento do manual de instruções do produto, de casos fortuitos ou de força maior, bem como aqueles causados por agentes da natureza e acidentes.
4. Excluem-se igualmente desta garantia defeitos decorrentes do uso dos produtos, em serviços não doméstico/residencial regular ou em desacordo com o uso recomendado.
5. Nos municípios onde não exista oficina autorizada de serviço Philips, as despesas de transporte do aparelho e/ou técnico autorizado, correm por conta do sr. consumidor requerente do serviço.
6. Este produto tem **garantia internacional**. O serviço técnico (durante ou após a garantia) é disponível em todos os países onde este produto é oficialmente distribuído pela Philips. Nos países onde a Philips não distribui este produto, o serviço técnico da Philips local poderá prestar tal serviço, contudo poderá ocorrer algum atraso no prazo de atendimento se a devida peça de reposição e o manual técnico não forem prontamente disponíveis.
7. A garantia não será válida se o produto necessitar de modificações ou adaptações para habilitá-lo a operar em qualquer outro país que não aquele para o qual foi designado, fabricado, aprovado e/ou autorizado, ou ter sofrido qualquer dano decorrente deste tipo de modificação.

Philips da Amazônia Indústria Eletrônica LTDA.

Dentro do Brasil, para informações adicionais sobre o produto ou para eventual necessidade de utilização da rede de oficinas autorizadas, ligue para o centro de informações ao consumidor, **tel 0800-123123** (discagem direta gratuita) ou escreva para a:

caixa postal 21462 - CEP 04698-970**São Paulo - Sp.**

Horário de atendimento: de segunda à sexta-feira, das 08:00 às 19:00 h; aos sábados das 08:00 às 13:00 h.

Para atendimento fora do Brasil contate a Philips local ou a:

Philips Consumer Service**Beukenlaan 2****5651 CD Eindhoven,****The Netherlands**

FW 8 Personal Micro System

