



мс-**220** мс-**222**



PHILIPS



LEA CUIDADOSAMENTE ESTE INSTRUCTIVO ANTES DE USAR SU APARATO.

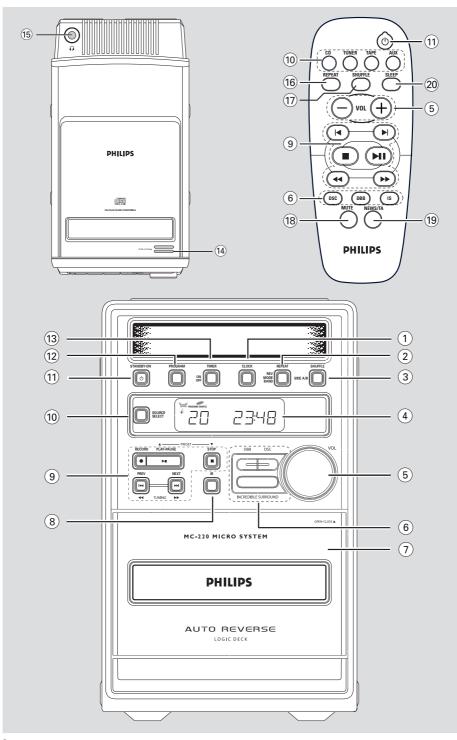
AVISO IMPORTANTE

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- Maltrato, descuido o mal uso, presencia de insectos o roedores (cucarachas, ratones etc.).
- Cuando el aparato no haya sido operarado de acuerdo con el instructivo del uso, fuera de los valores nominales y tolerancias de las tensiones (voltaje), frecuencia (ciclaje) de alimentación eléctrica y las características que deben reunir las instalaciones auxiliares.
- Por fenómenos naturales tales como: temblores, inundaciones, incendios, descargas eléctricas, rayos etc. o delitos causados por terceros (choques asaltos, riñas, etc.).

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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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.

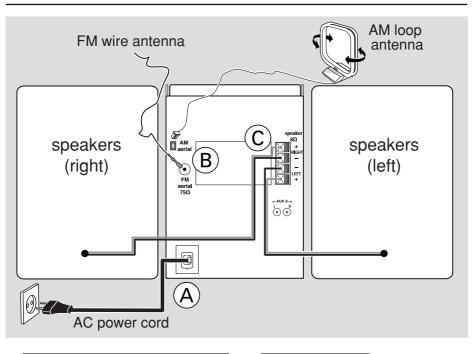
Supplied accessories

- 2 speaker boxes
- remote control
- AM loop antenna
- FM wire antenna

Safety Information

- Before operating the system, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer.
- Place the system on a flat, hard and stable surface.
- 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.
- Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens of the disc unit inside the system. Should this occur, the CD player would not operate normally. Leave the power on for about one hour with no disc in the system until normal playback is possible.
- The mechanical parts of the set contain selflubricating bearings and must not be oiled or lubricated.
- When the system is switched to Standby mode, it is still consuming some power. To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.

Preparations



Rear connections

The type plate is located at the rear of the system.

A Power

Before connecting the AC power cord to the wall outlet, ensure that the following are done; – If your system is equipped with a Voltage Selector, set the VOLTAGE SELECTOR to the local power line voltage.

- All other connections have been made.

WARNING!

- For optimal performance, use only the original power cable.

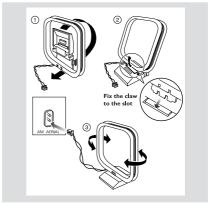
- Never make or change any connections with the power switched on.

To avoid overheating of the system, a safety circuit has been built in. Therefore, your system may switch to Standby mode automatically under extreme conditions. If this happens, let the system cool down before reusing it (not available for all versions).

B Antennas Connection

Connect the supplied AM loop antenna and FM antenna to the respective terminals. Adjust the position of the antenna for optimal reception.

AM Antenna



 Position the antenna as far as possible from a TV, VCR or other radiation source.

FM Antenna



 For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL (FM ANTENNA) terminal.

© Speakers Connection

Front Speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "**RIGHT**" and left speaker to "**LEFT**", coloured (marked) wire to "**+**" and black (unmarked) wire to "**-**".



 Fully insert the stripped portion of the speaker wire into the terminal as shown.

Notes:

- For optimal sound performance, use the supplied speakers.

- Do not connect more than one speaker to any one pair of +/- speaker terminals.

 Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

Optional connection

The optional equipment and connecting cords are not supplied. Refer to the operating instructions of the connected equipment for details.

Connecting other equipment to your system

Connect the audio left and right OUT terminals of a TV,VCR, Laser Disc player, DVD player or CD Recorder to the **AUX IN** terminals.

Note:

 If you are connecting equipment with a mono output (a single audio out terminal), connect it to the AUX IN left terminal. Alternatively, you can use a "single to double" cinch cable (the output sound still remain mono).

Inserting batteries into the remote control

Insert two batteries (not supplied) type R03 or AAA 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.

Controls	on the system and
remote o	
<u> </u>	sets the clock function.
	shows tape counter in recording
	mode.
(2) REPEAT/ R	REV MODE/ BAND
0	repeats a track/CD programme/
	entire CD.
forTAPE	selects tape reverse modes.
	selects waveband.
(3) SHUFFLE/	
\circ	plays CD tracks in random order.
	switches tape direction.
(4) Display	switches tape direction.
	atus of the system.
5 VOLUME (
 adjusts the volume 	
,	n only - adjusts the hour and minutes
	/timer functions.
	FIVE SOUND controls:
\bigcirc	(Dynamic Bass Boost) enhances
000	the bass
DSC	(Digital Sound Control) selects
	sound characteristics: CLASSIC/
	ROCK/JAZZ/POP.
INCREDIB	
(IS)	creates a super-enhanced stereo
	effect.
(7) OPEN	
~	compartment.
	R
<u> </u>	or for remote control.
9 Mode Sele	ction
	stops CD playback or erase a
	CD programme.
	stops tape playback/recording.
PLAY•PAU	
	starts or interrupts CD playback.
	starts tape playback.
	(on the remote control only)
	during tape playback, switches
	tape direction.
PRESET	▼
(∣◀, ►)	selects a preset radio station.
(∣◀,►)	skips to the beginning of a
. /	current track/previous/
	subsequent track.
	current track/previous/

(<	◄, ►►) fast searches back and
	forward within a track/CD.
	fast rewind/wind tape.

TUNING < 🕨

- ($\blacktriangleleft, \blacktriangleright \flat$) tunes to radio stations.
- **RECORD** starts recording.

10 SELECT SOURCE

- selects the respective sound source for CD/ TUNER/TAPE /AUX.
- switches on the system.

(1) STANDBY ON ()

- switches the system to standby/on.
- on the remote control only switches the system to standby.

12 PROGRAM

for CD programmes tracks and

reviews the programme.

for TUNER programmes tuner stations manually or automatically.

13 TIMER ON•OFF

 activates/deactivates or sets the timer function.

- (14) OPEN•CLOSE
- opens/closes the CD door.
- 15 🎧
- connect headphones.
- 16 REPEAT
- repeats a track/CD programme/ entire CD.
- (17) SHUFFLE
- plays CD tracks in random order.

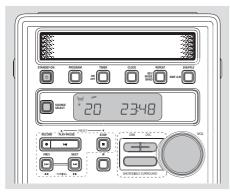
18 MUTE

- interrupts and resumes sound reproduction.
- 19 NEWS/TA
- activates RDS news and Traffic Announcement (not for all versions).
- 20 SLEEP
- activates/deactivates or selects the sleeper time.

Notes for remote control:

- First select the source you wish to control by pressing one of the source select keys on the remote control (for example CD, TUNER).

- Then select the desired function (for example \blacktriangleright , $|\blacktriangleleft$, \triangleright).



IMPORTANT!

Before you operate the system, complete the preparation procedures.

Switching the system on

 Press () STANDBY ON or SELECT SOURCE.

→ The system will switch to the last selected source.

 Press CD, TUNER, TAPE or AUX on the remote control.

ightarrow The system will switch to the selected source.

To switch the system to standby mode

- Press () STANDBY ON on the system or remote control.
- If in recording mode, press STOP first.
 → The volume level, interactive sound settings, last selected source and tuner presets will be retained in the player's memory.

Power-saving automatic standby

As a power-saving feature, the system automatically switches to standby 15 minutes after a tape or CD has reached the end and no control is operated.

Adjusting volume and sound

 Turn the VOLUME control anti-clockwise to decrease or clockwise to increase volume on the system (or press VOL -/+ on the remote control).

 \rightarrow Display shows the volume level V DL and a number from 0-32.

- 2 Press DSC repeatedly to select the desired sound effect: CLASSIC (no indication)/ ROCK (≤)(≤) / JAZZ (1) / POP (1).
- **3** Press **DBB** to switch bass enhancement on or off.
 - → Display shows: **DBB** if the DBB is activated.
- 4 Press **INCREDIBLE SURR.** (**IS** on the remote control) to switch the surround sound effect on or off.
 - → Display shows: WreDiBle if activated.

Note:

 The effect of INCREDIBLE SURROUND may vary with different types of music.

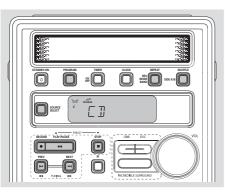
5 Press MUTE on the remote control to interrupt sound reproduction instantly.

→ Playback will continue without sound and the display shows MUTE.



- To activate sound reproduction you can:
 - press MUTE again;
 - adjust the volume controls;
 - change source.

CD Operation



IMPORTANT!

The lens of the CD player should never be touched.



Playing a disc

This CD player plays Audio Discs including CD-Recordables and CD-Rewritables.

- CD-ROM, CD-I, CDV, VCD, DVD or computer CDs, however, are not possible.
- 1 Select CD source.
- 2 Press OPEN-CLOSE on the top of the system to open the CD



compartment. → □PEN is displayed when you

open the CD compartment.

3 Insert a disc with the printed side facing up and press down on **OPEN-CLOSE** to close the CD door.

→ RERII is displayed as the CD player scans the contents of a disc, and then the total number of tracks and playing time are shown.

4 Press PLAY•PAUSE ►II (on the remote control ►II) to start playback.

→ Current track number and elapsed playing time of the track are displayed during disc playback.

5 To interrupt playback press **PLAY-PAUSE** ►**II** (on the remote control ►**II**). Press **PLAY-PAUSE** ►**II** (on the remote control ►**II**) again to resume play.

➔ The display freezes and the elapsed playing time flashes when playback is interrupted.

6 To stop disc playback, press STOP ■.

Note: CD play will also stop when;

- the CD door is opened.
- the disc has reached the end.
- you select another source: TAPE, TUNER or AUX.

Selecting a different track

- Press PREV Idd or NEXT >> I (on the remote control Id or >) once or repeatedly until the desired track number appears in the display.
- If you have selected a track number shortly after loading a disc or in the PAUSE position, you will need to press PLAY•PAUSE ►II (on the remote control ►II) to start playback.

Finding a passage within a track

- Press and hold down on PREV I◄< or NEXT ▷▷I (on the remote control ◄
 The disc is played at high speed and low volume.
- 2 When you recognise the passage you want, release **PREV** I≪ or **NEXT** ►►I (on the remote control ≪ or ►►).
 - ➔ Normal playback continues.

Note:

 During a disc programme or if SHUFFLE/ REPEAT active, searching is only possible within the same track.

12

Different play modes: SHUFFLE and REPEAT

You can select and change the various play modes before or during playback. The play modes can also be combined with PROGRAMME.

- SHUFFLE tracks of the entire disc/ programme are played in random order
- SHUFFLE and REPEAT ALL...to repeat the entire disc/ programme continuously in random order
- REPEAT ALL ... repeats the entire disc/ programme
- REPEAT plays the current track continuously
- To select your play mode, press the SHUFFLE or REPEAT button before or during playback until the display shows the desired function.
- Press PLAY•PAUSE ►II (on the remote control ►II) to start playback if in the STOP position.
 → If you have selected SHUFFLE, playback starts

automatically.

- 3 To return to normal playback, press the respective **SHUFFLE** or **REPEAT** button until the various SHUFFLE/ REPEAT modes are no longer displayed.
- You can also press **STOP I** to cancel your play mode.

Programming track numbers

Programme in the STOP position to select and store your disc tracks in the desired sequence. If you like, store any track more than once. Up to 20 tracks can be stored in the memory.

1 Press **PROGRAM** to enter the programming mode.

 \clubsuit A track number is shown and ${\bf PROGRAM}$ flashes.

- 2 Use the **PREV** I or **NEXT** → I (on the remote control I or →) to select your desired track number.
- **3** Press **PROGRAM** to confirm the track number to be stored.

→ The number of tracks programmed and total playing time of the programme is shown briefly, then the selected track and PRDS.

4 Repeat steps 2-3 to select and store all desired tracks.

→ FULL is displayed if you attempt to programme more than 20 tracks.

5 To start playback of your disc programme, press PLAY•PAUSE ►II (on the remote control ►II).

Reviewing the programme

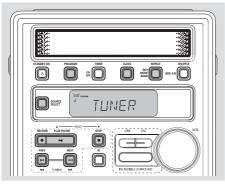
In STOP mode, press and hold down **PROGRAM** for a while until the display shows all your stored track numbers in sequence.

Erasing the programme

You can erase the programme by:

- pressing STOP once in the STOP mode;
- pressing **STOP** twice during playback;
- opening the CD compartment;
 - → **PROGRAM** disappears from the display.

Radio Reception



Tuning to radio stations

- Select TUNER source.
 → TUNER is displayed briefly.
- 2 Press **BAND** once or more to select your waveband.
- 3 Press down on **TUNING** ← or → and release button.

→ The radio automatically tunes to a station with sufficient reception. Display indication during automatic tuning: SEARCH.

→ If a FM station is received in stereo, **STEREO** is shown.

- 4 Repeat step **3** if necessary until you find the desired station.
- To tune to a weak station, press **TUNING** <-
 or >> briefly and repeatedly until you have found optimal reception.

Programming radio stations

You can store up to a total of 40 radio stations in the memory.

Automatic programming

Automatic programming will start with a chosen preset number. From this preset number upwards, former programmed radio stations will be overridden. The system will only programme stations which are not in the memory already.

Press **PRESET** ▲ or ▼ (on the remote control
 I or ▶) to select the preset number where programming should start.

Note:

If no preset number is selected, default is preset
 (1) and all your presets will be overridden.

2 Press **PROGRAM** for more than 2 seconds to activate programming.

→ RUTD is displayed and available stations are programmed in order of waveband reception strength: FM followed by MW.The last preset automatically stored will then be played.

Manual programming

- **1** Tune to your desired station (see Tuning to radio stations).
- 2 Press **PROGRAM** to activate programming. → **PROGRAM** flashes in the display.
- Press PRESET ▲ or ▼ (on the remote control | or ▶) to allocate a number from 1 to 40 to this station.
- 4 Press PROGRAM again to confirm the setting.
 → PROGRAM disappears, the preset number and the frequency of the preset station are shown.
- **5** Repeat the above four steps to store other stations.
- You can override a preset station by storing another frequency in its place.

Tuning to preset radio stations

Press PRESET ▲ or ▼ (on the remote control
 I or ▶) until the desired preset station is displayed.

Changing tuning grid (some versions only)

In North and South America the frequency step between adjacent channels in the AM and FM band are 10 KHz and 100 KHz respectively. In the rest of the world this step is 9 KHz and 50 KHz. Usually the frequency step has been preset in the factory for your area if not:

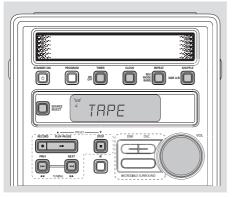
1 Select **TUNER** source.

2 Press **SHUFFLE** on the set for at least 5 seconds.

→ The display shows either GRII 9 or GRII 10.

Note:

All preset stations will be lost and need to be reprogrammed.



Tape playback

Select TAPE source.
 → The display shows TRPE briefly. The tape counter TRPE DDD display with the siDE A or

SIDE B and reverse mode status are then shown during tape mode.

- 2 Press **OPEN** to open the tape door.
- 3 Insert a recorded tape and close the tape door.
- Load the tape with the open side downward and the full spool to the left.
- 4 Press PLAY-PAUSE ►II (on the remote control ►II) to start playback.
- 5 By pressing I ◄ or ►►I on the system (on the remote control ◄ or ►►), fast winding of tape is possible in both directions.
- During fast winding, you can monitor the tape message with the tape counter.
- 6 To stop the tape, press **STOP** ■.
- To reset the tape counter, press **STOP** again.

Note:

- The sound source cannot be changed while recording a tape.

Switching tape sides

The tape side can be switched manually or automatically before or during tape playback.

● Press **SIDE A/B** (during playback only **>II** on the remote control).

→ The display shows **SIDE A** or **SIDE B** and the tape counter resets to $\Box\Box\Box$.

Reverse mode options

- Press **REV MODE** repeatedly to select your option;
 - : playback stops at the end of the tape.
 - : both sides are played once.
 - (__) : both sides are played repeatedly, up to 5 times each side.

General information on recording

- Recording is permissible insofar as copyright or other rights of third parties are not infringed.
- For recording, use only NORMAL (IEC type I) tapes on which the tabs have not yet been broken. This deck is not suited for recording on METAL (IEC IV) type tapes.
- The best recording level is set automatically. Altering the VOLUME, INCREDIBLE SURROUND, DBB or INTERACTIVE SOUND controls will not affect the recording in progress.
- At the very beginning and end of the tape, no recording will take place during the 7 seconds when the leader tape passes the recorder heads.
- To protect a tape from accidental erasure, have the tape in front of you and break out the left tab. Recording on this side is no longer possible.
 If, however, you wish to record over this side again, cover the tabs with a piece of adhesive tape.

Tape Operation / Recording

Synchro start CD recording

- 1 Select CD source.
- 2 Insert a disc and if desired, programme track numbers.
- **3** Press **OPEN** to open the tape door.
- 4 Insert a suitable tape into the deck and close the tape door.
- 5 Press RECORD to start recording.
 → EDPY or REEDRI is displayed briefly and RECORD is shown during recording.

→ Playing of the CD programme starts automatically from the beginning of the CD after 7 seconds. It is not necessary to start the CD player separately.

- If you wish, press **CLOCK** once to monitor the counter display.
- 6 To stop recording, press STOP

Recording from the radio

- **1** Tune to the desired radio station (see Tuning to radio stations).
- 2 Press OPEN to open the tape door.
- **3** Insert a suitable tape into the deck and close the tape door.
- 4 Press RECORD to start recording.
 → RECORD is displayed briefly and RECORD is shown during recording.
- If you wish, press CLOCK once to monitor the counter display.
- 5 To stop recording, press STOP ■.

Recording from Aux

- 1 Select AUX source.
- 2 If necessary, prepare the additional appliance for recording.
- 3 Press RECORD to start recording.
 → RECORD is displayed briefly and RECORD is shown during recording.
- If you wish, press CLOCK once to monitor the counter display.
- 4 To stop recording, press STOP ■.

Recording timer

To record from the radio, you will need to use a preset radio station and to set a start (ON) and finish (OFF) time.

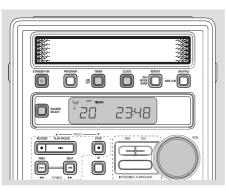
- Insert a suitable tape into the deck.
 → If desired, select tape reverse mode option.
- 2 Select the preset radio station to record from.
- 3 Press TIMER ON•OFF for more than 2 seconds.
 → TIMER flashes and a source is displayed.
- 4 Press SELECT SOURCE repeatedly, or turn VOLUME clockwise until RECTUN source is displayed.
- 5 Press TIMER ON•OFF to confirm the source.
 → 5ET BN TIME is displayed, TIMER and the clock digits for the hours flash.
- **6** Turn **VOLUME** to set the hours: clockwise for hours up; anti-clockwise for hours down.
- 7 Press TIMER ON•OFF again.
 → The clock digits for the minutes flash.
- 8 Turn **VOLUME** to set the minutes: clockwise for minutes up; anti-clockwise for minutes down.
- **9** Press **TIMER ON•OFF** to confirm the ON start time.

→ 5ET DFF TIME is displayed, **TIMER** and the clock digits for the hours flash.

- **10** Repeat steps **6-8** to set the finish time.
- **11** Press **TIMER ON•OFF** to confirm the timer settings.

→ TIMER is shown and the recording timer is now set.

Clock/Timer



Setting the clock

- In standby, press CLOCK.
 → The clock digits for the hours flash.
- 2 Turn **VOLUME** to set the hours: clockwise for hours up; anti-clockwise for hours down.
- Press CLOCK again.
 → The clock digits for the minutes flash.
- 4 Turn VOLUME to set the minutes: clockwise for minutes up; anti-clockwise for minutes down.
- 5 Press CLOCK to confirm the time.

Setting the timer

- The system can be used as an alarm clock, whereby the CD,TUNER or TAPE is switched on at a set time. The clock time needs to be set first before the timer can be used.
- You can also use it to record a favourite tuner programme at a set period (see "Recording timer")
- During setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.
- 1 In any mode, press **TIMER ON•OFF** for more than 2 seconds.
- 2 Turn **VOLUME** clockwise to select sound source.

→ Display sequence shows E]], TUNER, TAPE or REE_TUNER.

3 Press **TIMER ON•OFF** to confirm your desired mode.

→ The selected source CCD or TUNER¹¹ is shown. Display sequence scrolls 5ET ON TIME and TIMER flashes. The clock digits for the hours flash.

- 4 Turn **VOLUME** to set the hours: clockwise for hours up; anti-clockwise for hours down.
- 5 Press TIMER ON•OFF again.
 → The clock digits for the minutes flash.
- **6** Turn **VOLUME** to set the minutes: clockwise for minutes up; anti-clockwise for minutes down.
- 7 Press TIMER ON•OFF to confirm the time.
 → The timer is now set and activated.

Activating and deactivating TIMER

• In standby or during playback, press TIMER ON•OFF once.

→ Display shows **TIMER** if activated, and disappears if deactivated.

Activating and deactivating SLEEP

The sleep timer enables the system to switch off by itself after a set period of time. The clock time needs to be set first before the sleep timer can be used.

 Press SLEEP on the remote control once or more.

→ Display shows SLEEP and one of the sleep time options in sequence: 60, 45, 30, 15, SLEEP 0FF, 60... if you have



selected a time. Once SLEEP is activated, SLEEP IN scrolls across the display at repeated intervals.

- To deactivate, press **SLEEP** on the remote control once or more until SLEEP *DFF* is shown, or press **STANDBY ON** on the system or remote control.
 - → SLEEP OFF scrolls across the display.

AMPLIFIER

Output power	. 2 × 10 W RMS
	400 W PMPO
Signal-to-noise ratio	≥ 65 dBA (IEC)
Frequency response	0000 Hz, ± 3 dB
Input sensitivity AUX	0.5 V (max. 2 V)
Impedance loudspeakers	8 Ω
Impedance headphones	32 Ω -1000 Ω

CD PLAYER

Frequency range	20 – 20000 Hz
Signal-to-noise ratio	

TUNER

FM wave range
MW wave range (9 kHz) 531 – 1602 kHz
MW wave range (10 kHz) 530 - 1700 kHz
Tuning grid9/10 kHz
Sensitivity at 75 Ω
$-$ mono, 26 dB signal-to-noise ratio 2.8 μV
– stereo, 46 dB signal-to-noise ratio 61.4 μV
Selectivity \geq 28 dB
Total harmonic distortion $\leq 5\%$
Frequency response 63 – 12500 Hz (± 3 dB)
Signal-to-noise-ratio $\geq 50~\text{dBA}$

TAPE DECK

Frequency response

Normal tape (type I) 80 – 12500 H	z (8 dB)
Signal-to-noise ratio	
Normal tape (type I)	50 dBA
Wow and flutter ≤ 0 .	4% DIN

SPEAKERS

GENERAL INFORMATION

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 centre out.



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

Cleaning the disc lens

analogue records.

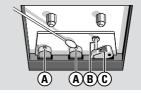
After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

Cleaning the Heads and the Tape Paths

 To ensure good recording and playback quality, clean the heads (A), the capstan(s) (B), and pressure roller(s) (C) after every 50 hours of tape operation.

Caution: Do not rotate the heads during cleaning.

- Use a cotton swab slightly moistened with cleaning fluid or alcohol.
- You can also clean the heads by playing a cleaning tape once.



Demagnetising the heads

Use a demagnetising tape available at your dealer.

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 service centre.

Problem

Solution

CD OPERATION	
"ND DISC" is displayed.	 Insert a 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 finalised CD-RW or CD-R.
RADIO RECEPTION	
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 Micro HiFi System and yourTV orVCR.
TAPE OPERATION / RECORDING	
Recording or playback cannot be made.	 Clean deck parts, see "Maintenance". Use only normal (IEC I) tape for recording.
"CHECK TRPE" is displayed.	 Apply a piece of adhesive tape over the missing tab space.
The tape deck door cannot open.	 Remove and reconnect the AC power plug and switch on the system again.
GENERAL	
The system does not react when buttons are pressed.	 Remove and reconnect the AC power plug and switch on the system again.
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.

- Press TIMER ON•OFF to switch on the timer. - If a recording is in progress, stop the recording. The Clock/Timer setting is erased. - Power has been interrupted or the power cord		 before pressing the function button (▶, (Ħ, ℕ)). 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 toward
The Clock/Timer setting is erased. – Power has been interrupted or the power cord	The timer is not working.	 Press TIMER ON•OFF to switch on the timer.
	The Clock/Timer setting is erased.	 Power has been interrupted or the power cord

These warranty conditions are valid for the following consumer electronics products: Colour Televisions, Video Cassette Recorders, CD Players and Recorders, DVD Players and Recorders, Audio Systems and 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

Colour Televisions, CD Players and Recorders, DVD Players and Recorders and Audio Systems.

3 years free Replacement - at your Retailer

All Portable Audio products and all Video Cassette recorders (VCR's) only.

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.
- **3.** This warranty applies for original purchase only. It is not transferable if sold.
- 4. Home service within the normal service area of one of our Authorised Service Centres will only be provided for television receivers with screen size 48 cm and above. All other products are to be taken or sent to the workshop of your nearest Authorised Service Centre (at Consumer's expense).
- 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 travelling time, pickup or delivery, installations and cost of insurance.

b) Mileage or travel outside the normal service area covered by selected Authorised Service Centre.

c) 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. d) 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.

e) Cleaning of video or audio heads.

f) Inadequate receiving antennae.

g) Replacement of worn or used batteries or other consumables.

h) Consumer products used in commercial applications (This warranty is limited to 3 months only).

i) 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.

Philips Authorised Service Centres

Service is provided through 200 accredited Authorised Service Centres throughout Australia. For direct contact with your nearest recommended Authorised Service Centre in major cities:

Launceston
Melbourne
Newcastle
Perth
Sydney
Wollongong

or to find the location of your nearest recommended Authorised Service Centre outside the above cities please call our National Service telephone number:

1300-36-13-92

Please record the following information for your records and keep in a safe place.

Model number:.....

Serial number:.....

Date of purchase:....

Retailer:....

We recommend you retain your purchase receipt to assist in any warranty claim.

Philips Consumer Electronics a division of Philips Electronics Australia Limited ABN 24 008 445 743, Level 2, 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.
- **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.
- 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.
- 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