

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:

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- 3 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 of 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 $\frac{1}{2}$) 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.

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio MC-320 Philips risponde alle prescrizioni dell'art. 2 comma 1 del D.M. 28 Agosto 1995 n. 548.

Fatto a Eindhoven

Philips Consumer Electronics
Philips, Glaslaan 2
5616 JB Eindhoven, The Netherlands

Norge

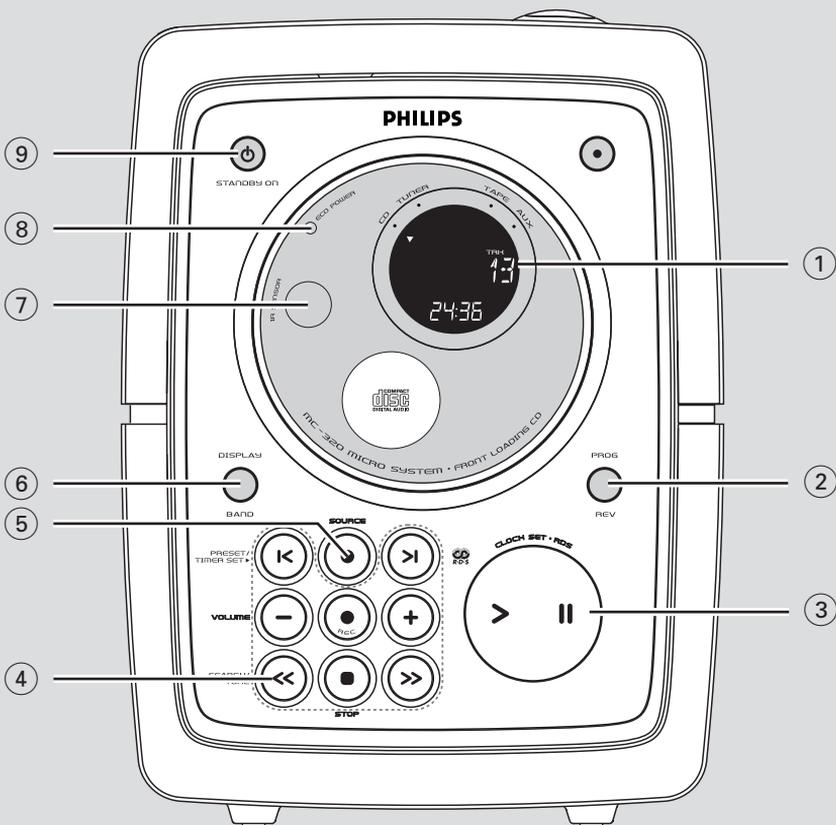
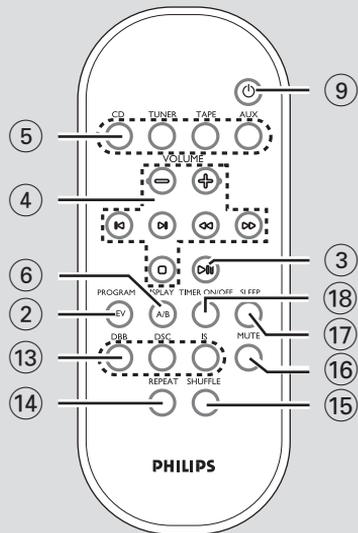
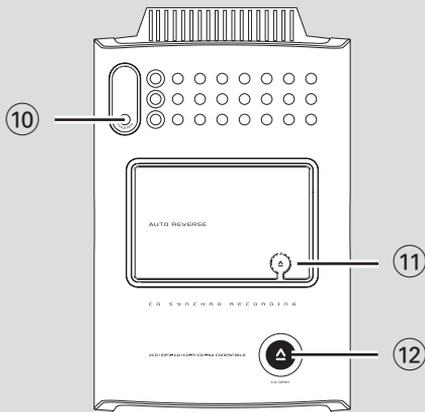
Typeskilt finnes på apparatens underside.

Observer: Nettbryteren er sekundert innkopleet. Den innebygde nettdelen er derfor ikke frakopleet nettet så lenge apparatet er tilsluttet nettkontakten.

For å redusere faren for brann eller elektrisk støt, skal apparatet ikke utsettes for regn eller fuktighet.

CAUTION

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



DK

Advarsel: Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

Bemærk: Netafbryderen er sekundært indkoblet og afbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

S

Klass 1 laseraparater

Varning! Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstråling, som överskrider gränsen för laserklass 1.

Observera! Stömbrytaren är sekundärt kopplad och bryter inte strömmen från nätet. Den inbyggda nät delen är därför ansluten till elnätet så länge stickproppen sitter i vägguttaget.

SF

Luokan 1 laserlaite

Varoitus! Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Oikeus muutoksiin varataan. Laite ei saa olla alttiina tippu- ja roiskevedelle.

Huom. Toiminnanvalitsin on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

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

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

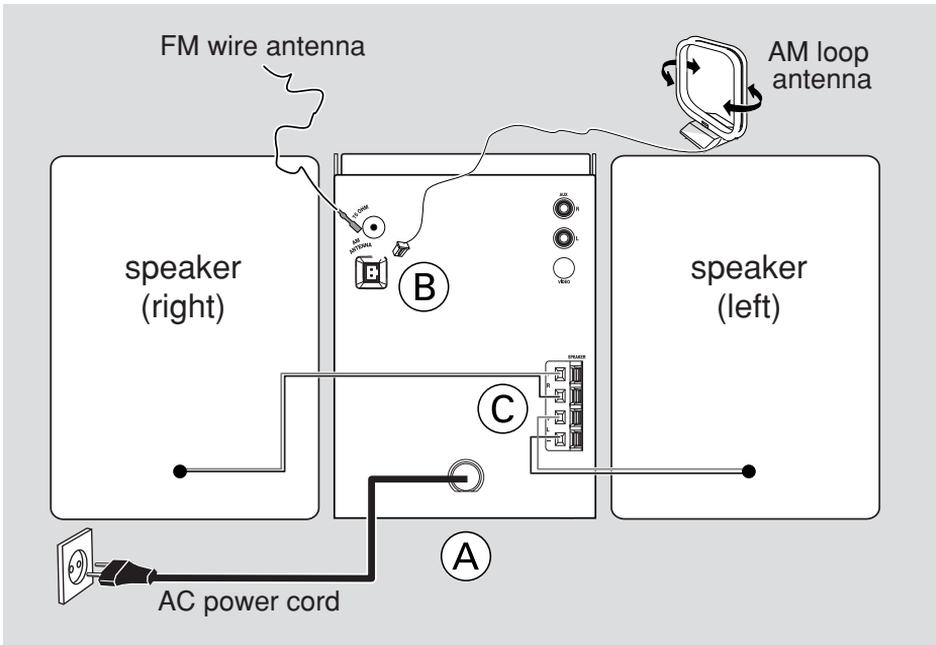
- 2 speaker boxes
- remote control (with battery)
- AM loop antenna
- FM wire antenna

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 self-lubricating 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

English



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 all other connections have been made.

WARNING!

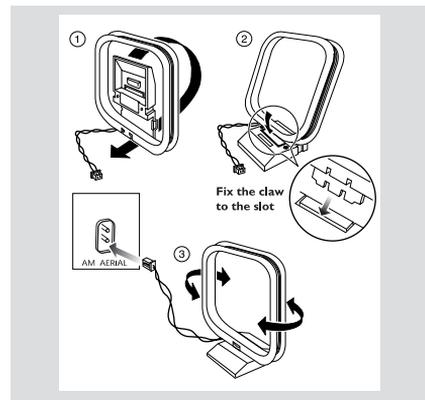
- For optimal performance, use only the original power cable.
- Never make or change any connections with the power switched on.

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.

Preparations

FM Antenna

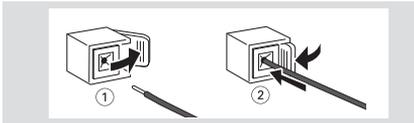


- For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL (FM ANTENNA) terminal.

C Speakers Connection

Front Speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "RIGHT" and left speaker to "LEFT", colored (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

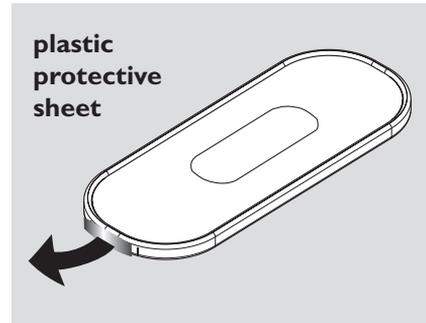
Connect the audio left and right OUT terminals of a TV, VCR, Laser Disc player, DVD player or CD Recorder to the **AUX** terminals.

Note:

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

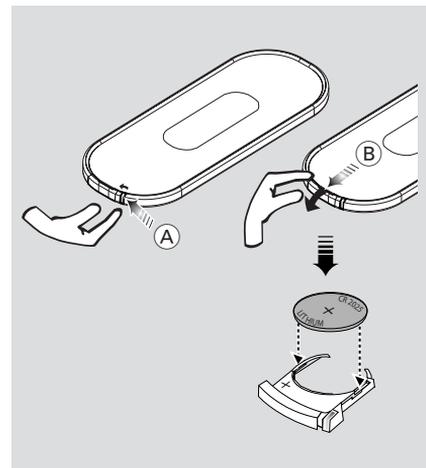
Before using the remote control

- 1 Pull out the plastic protective sheet.
- 2 Select the source you wish to control by pressing one of the source select keys on the remote control (for example CD, TUNER).
- 3 Then select the desired function (for example >II, I<, >I).



Replacing battery (lithium CR2025) into the remote control

- 1 Pull out the knob (A) slightly to the left.
- 2 Pull out the battery compartment (B).
- 3 Replace a new battery and fully insert the battery compartment back to the original position.



CAUTION!

Batteries contain chemical substances, so they should be disposed off properly.

Controls *(illustrations on page 3)*

Controls on the system and remote control

- ① **Display**
 - shows the status of the system.
- ② **PROG/ REV**
 - for CD programmes tracks and reviews the programme.
 - for TUNER programmes tuner stations manually or automatically.
 - for TAPE sets tape reverse modes
- ③ **CLOCK SET • RDS / > II**
 - for CLOCK set the clock function.
 - for CD starts or interrupts CD playback
 - for TAPE starts the tape playback
- ④ **Mode Selection**
 - VOLUME (-/+)**
 - adjusts the volume level.
 - *on the system only* - adjusts the hour and minutes for the clock/ timer functions.
 - PRESET/ TIMER SET | < / > |**
 - for TUNER selects a preset radio station.
 - for CD skips to the beginning of a current track/previous/ subsequent track
 - for Timer (**I** < only) to set timer under standby
 - SEARCH/ TUNE << / >>**
 - for TUNER Tune to a station
 - for CD fast searches back and forward within a track/CD.
 - for TAPE fast rewind/ wind tape
 - STOP ■**
 - stops CD playback or erase a CD programme.
 - stops tape playback/recording.
 - REC ●** starts recording.
- ⑤ **SOURCE ●**
 - selects the respective sound source for CD/ TUNER/ TAPE /AUX.
 - switches on the system.
- ⑥ **DISPLAY-BAND** (on the remote control DISPLAY A/B)
 - for TUNER change the tuner radio band.(FM/ MW/ LW)
 - for CD change the CD display mode
 - for TAPE switches tape direction
- ⑦ **IR SENSOR**
 - infrared sensor for remote control.

- ⑧ **ECO POWER indicator**
- ⑨ **STANDBY ON** 
 - switches the system to standby.
- ⑩ **PHONES** - connects to headphone.
- ⑪ **▲** - open/ close the cassette door.
- ⑫ **CD OPEN ▲**
 - open the CD door.
- ⑬ **INTERACTIVE SOUND controls:**
 - DBB** (Dynamic Bass Boost) enhances the bass.
 - DSC** (Digital Sound Control) selects sound characteristics: CLASSIC/ JAZZ/ ROCK/ OPTIMAL.
- INCREDIBLE SURR.**
 - (IS)** creates a super-enhanced stereo effect.
- ⑭ **REPEAT**
 - repeats a track/ CD programme/ entire CD.
- ⑮ **SHUFFLE**
 - plays CD tracks in random order.
- ⑯ **MUTE**
 - interrupts and resumes sound reproduction.
- ⑰ **SLEEP**
 - activates/deactivates or selects the sleeper time.
- ⑱ **TIMER ON / OFF**
 - activates/deactivates the timer function.

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 > II, | <, > |).**

Basic Functions



IMPORTANT!
 Before you operate the system, complete the preparation procedures.

Switching the system on

- Press **STANDBY ON**.
 → The system will switch to the last selected source.
- Press **CD, TUNER, TAPE** or **AUX** on the remote control.
 → The system will switch to the selected source.

Switch the system to Eco Power Standby mode

- Press **STANDBY ON**.
 → "ECO PWR" will be displayed, then the display screen will go blank.
 → The ECO POWER LED will be lighted.

Note:
 – To view clock time in standby mode. Press and hold **STANDBY ON** for more than 3 seconds, the clock time is displayed dimly.
 → The Eco Power indicator goes off.

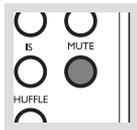
- If in recording mode, press **STOP** first.
 → The volume level (up to a maximum volume level of 20), interactive sound settings, last selected source and tuner presets will be retained in the player's memory.

Power Saving Automatic Standby

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

Adjusting volume and sound

- 1 Press **VOLUME - / +** to decrease to increase volume on the system.
 → Display shows the volume level $\frac{1}{4}$ and a number from MIN1, 2, ...38, 39 MAX.
- 2 Press **DSC** repeatedly to select the desired sound effect: **CLASSIC / JAZZ / ROCK / OPTIMAL**.
- 3 Press **DBB** to switch bass enhancement on or off.
 → Display shows: DBB ON or DBB OFF.
- 4 Press **IS** on the remote control to switch the surround sound effect on or off.
 → Display shows: **IS ON** or **IS OFF**.



Note:
 – The effect of **INCREDIBLE SURROUND** may vary with different types of music.

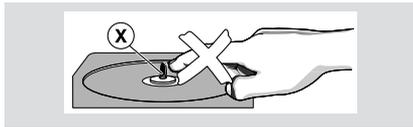
- 5 Press **MUTE** on the remote control to interrupt sound reproduction instantly.
 → Playback will continue without sound and the display shows **MUTE**.
- To activate sound reproduction you can:
 - press **MUTE** again;
 - adjust the volume controls;
 - change source.

CD Operation



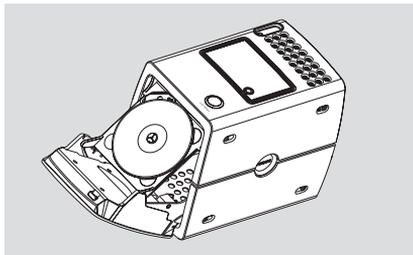
IMPORTANT!

The lens of the CD player should never be touched.



Playing a disc

- CD-ROM, CD-I, CDV, VCD, MP3, DVD or computer CDs, however, are not possible.



- 1 Select **CD** source.
- 2 Press **CD OPEN** on the top of the system to open the CD compartment.
→ **CD OPEN** is displayed when you open the CD compartment.
- 3 Put a disc with the printed side facing up and press down. Push the front panel to close.
→ **REVERSE** 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 **>||** to start playback.
→ Current track number and elapsed playing time of the track are displayed during disc playback.
- 5 To interrupt playback press **>||**. Press **>||** again to resume play.
- 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.**

Displaying CD play time

Normal CD playback mode

- Press **DISPLAY** repeatedly, the following information will be displayed consecutively.
 - Track number and elapsed play time of current track
 - Track number and remaining play time of current track
 - Track number and total elapsed play time of the disc
 - Total remaining number of tracks and total remaining time.

CD SHUFFLE and REPEAT playback mode

- Press **DISPLAY** repeatedly, following information will be displayed consecutively.
 - Track number and elapsed play time of current track
 - Track number and remaining play time of current track

CD PROGRAM playback mode

- Press **DISPLAY** repeatedly, following information will be displayed consecutively
 - Track number and elapsed play time of current track
 - Track number and remaining play time of current track
 - Current program number and track number

Selecting a different track

- Press **I<** or **>I** 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 **>II** to start playback.

Finding a passage within a track

- 1 Press and hold down on **<<** or **>>**
→ The disc is played at high speed and low volume.
- 2 When you recognise the passage you want, release **<<** or **>>**.
→ Normal playback continues.

Note:

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

Different play modes: SHUFFLE and REPEAT

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

SHUFFLE tracks of the entire disc are played in random order

SHUFFLE and **REPEAT ALL**... to repeat the entire disc continuously in random order

REPEAT ALL ... repeats the entire disc/ program

REPEAT plays the current track continuously

- 1 To select your play mode, press the **SHUFFLE** or **REPEAT** on the remote control before or during playback until the display shows the desired function. (SHUF, REPEAT, REPEAT ALL)
 - 2 Press **>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 ■** to cancel your play mode.

Programming track numbers

Program 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 40 tracks can be stored in the memory.

- 1 Press **PROG / REV** (or PROGRAM / REV on remote control) to enter the programming mode.

→ A track number is shown and **PROGRAM** flashes.
- 2 Use the **I<** or **>I** to select your desired track number.
- 3 Press **PROG / REV** (or PROGRAM / REV on remote control) to confirm the track number to be stored.
→ The number of tracks programmed is shown.
- 4 Repeat steps 2-3 to select and store all desired tracks.
→ **MEMORY FULL** is displayed if you attempt to program more than 40 tracks.
- 5 To start playback of your disc program, press **STOP ■** followed by **>II** or press **>II** directly.

Reviewing the program

In **STOP** mode, press and hold **PROG / REV**. Until the display shows all your stored track number in sequence.

Erasing the program

You can erase the program by:

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

Radio Reception



Tuning to radio stations

- 1 Select **TUNER** source.
→ **TUNER** is displayed briefly.
 - 2 Press **BAND** (or **DISPLAY** on remote control) once or more to select your waveband (FM/ MW/ LW).
 - 3 Press down **TUNE <<** 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 **TUNE <<** 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 program stations which are not in the memory already.

- 1 Press **PRESET I <** or **> I** 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 **PROG / REV** (PROGRAM on remote control) for more than 2 seconds to activate programming.
→ **AUTO** is displayed and available stations are programmed in order of waveband reception strength: FM followed by MW, LW. The last preset automatically stored will then be played.

Manual programming

- 1 Tune to your desired station (see "Tuning to radio stations").
 - 2 Press **PROG / REV** (PROGRAM on remote control) to activate programming.
 - 3 Press **PRESET I <** or **> I** to allocate a number from 1 to 40 to this station.
 - 4 Press **PROG / REV** (PROGRAM on remote control) again to confirm the setting.
→ 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.

Radio Reception

Tuning to preset radio stations

- Press **PRESET I < or > I** until the desired preset station is displayed.

RDS

Radio Data System is a service that allows FM stations to show additional information. If you are receiving a RDS station, RDS and the station name are displayed.

Scrolling through different **CLOCK SET • RDS / > II** information

- Press **CLOCK SET • RDS / > II** briefly and repeatedly to scroll through the following information (if available):
 - Station name
 - Programme type such as *NEWS, SPORT, POP M ...*
 - Radio text messages

Note:

- If you press **CLOCK SET • RDS / > II** and the signal is not available **NO TYPE** is displayed.

Searching programme type (PTY)

PTY helps you find a desired programme type. To enable PTY, first programme RDS stations into the tuner memory (see "Programming radio stations")

- 1 While receiving an RDS station, press **CLOCK SET • RDS / > II** briefly until the programme type is displayed.
- 2 Press **PRESET I < or > I** (on the remote control **I < or > I**) until the desired programme type is displayed.
- 3 Press and hold down on **TUNE << or >>** (on the remote control **<< or >>**) to start searching.

→ The radio tunes to a RDS station broadcasting this programme type. If the programme type is not available **TYPE NOT FOUND** is displayed.

RDS Programme types

NO TYPE	No programme type or undefined
NEWS	News
AFFAIRS	Current Affairs
INFO	Information
SPORT	Sport
EDUCATE	Education
DRAMA	Drama
CULTURE	Culture
SCIENCE	Science
VARIED	Varied
POP M	Pop Music
ROCK M	Rock Music
EASY M	Easy Listening Music
LIGHT M	Light classical Music
CLASSICS	Serious Classical Music
OTHER M	Other Music
WEATHER	Weather
FINANCE	Finance
CHILDREN	Children's programmes
SOCIAL	Social Affairs
RELIGION	Religion
PHONE IN	Phone In
TRAVEL	Travel
LEISURE	Leisure
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary
TEST	Alarm Test
ALARM	Alarm

Synchro start CD recording

- 1 Select **CD** source.
- 2 Insert a disc and if desired, program track numbers.
- 3 Press **▲** to open the tape door.
- 4 Insert a suitable tape into the deck and close the tape door.
- 5 Press **REC** to start recording.
→ **REC** is shown during recording.
→ Playing of the CD program starts automatically from the beginning of the CD after 7 seconds. It is not necessary to start the CD player separately.
- 6 To stop recording, press **STOP ■**.

Recording from the radio

- 1 Select **TUNER SOURCE** and tune to the desired radio station (see "Tuning to radio stations").
- 2 Press **▲** to open the tape door.
- 3 Insert a suitable tape into the deck and close the tape door.
- 4 Press **REC** to start recording.
→ **REC** is shown during recording.
- 5 To stop recording, press **STOP ■**.

Recording from Aux

- 1 Select **AUX** source.
- 2 If necessary, prepare the additional appliance for recording.
- 3 Press **REC** to start recording.
→ **REC** is shown during recording.
- 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.

- 1 Insert a suitable tape into the deck.
→ If desired, press **PROG / REV** to select tape reverse mode option.
PLAY 1 SIDE : for recording one side only
PLAY A AND B : for recording on both sides
REPEAT A AND B : for recording on both sides
- 2 Select **TUNER SOURCE** and the preset radio station to record from.
- 3 Press **STANDBY ON** to switch the system to standby mode. Press **TIMER SET / I<** for more than 2 seconds.
→  flashes and a source is displayed.
- 4 Press **SOURCE** repeatedly or press **VOLUME -/+** until **REC TUN** source is displayed.
- 5 Press **TIMER SET / I<** to confirm the source.
→ **SET ON TIME** is displayed,  and the clock digits for the hours flash.
- 6 Press **VOLUME -/+** to set the hours.
- 7 Press **TIMER SET / I<** again.
→ The clock digits for the minutes flash.
- 8 Press **VOLUME -/+** to set the minutes.
- 9 Press **TIMER SET / I<** to confirm the ON start time.
→ **SET OFF TIME** is displayed,  and the clock digits for the hours flash.
- 10 Repeat steps **6-8** to set the finish time.
- 11 Press **TIMER SET / I<** to confirm the timer settings.
→  is shown and the recording timer is now set.

Clock/Timer



Setting the clock

- 1 In standby, press and hold **CLOCK SET • RDS / > II**.
→ The clock digits for the hours flash.
- 2 Press **VOLUME -/+** to set the hours.
- 3 Press **CLOCK SET • RDS / > II** again.
→ The clock digits for the minutes flash.
- 4 Press **VOLUME -/+** to set the minutes.
- 5 Press **CLOCK SET • RDS / > II** to confirm the time.

Note:

– The backlight for clock display is dim in standby.

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 standby mode, press **TIMER SET / I<** on the system for more than 3 seconds.
 - 2 Press **SOURCE** or **VOLUME -/+** to select sound source.
→ Display sequence shows **CD**, **TUNER**, **TAPE** or **REC TUN**.
 - 3 Press **TIMER SET / I<** to confirm your desired mode.
→ Display sequence scrolls **SET ON TIME** and  flashes. The clock digits for the hours flash.
 - 4 Press **VOLUME -/+** to set the hours.
 - 5 Press **TIMER SET / I<** again.
→ The clock digits for the minutes flash.
 - 6 Press **VOLUME -/+** to set the minutes.
 - 7 Press **TIMER SET / I<** to confirm the time.
→ The timer is now set and activated.

Activating and deactivating TIMER

- In standby or during playback, press **TIMER ON / OFF** on the remote control once.
→ Display shows  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.

- Press **SLEEP** on the remote control once or more.

→ Display shows **SLEEP** and one of the sleep time options in sequence: 90, 80, 70, 60, ..., 20, 10, OFF, 90. if you have selected a time. Once SLEEP is activated, SLEEP is display.



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

Specifications

AMPLIFIER

Output power 2 x 20 W RMS
 40 W + 40 W MPO
 Signal-to-noise ratio ≥ 62 dBA
 Frequency response 63 – 16000 Hz, ± 3 dB
 Input sensitivity AUX 0.5 V (max. 2V)
 Impedance loudspeakers 6 Ω
 Impedance headphones 32 Ω -1000 Ω
 <0.5W

CD PLAYER

Frequency range 30 – 16000 Hz
 Signal-to-noise ratio 75 dBA

TUNER

FM wave range 87.5 – 108 MHz
 MW wave range 531 – 1602 kHz
 LW wave range 153 – 279 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 ≥ 28 dB
 Total harmonic distortion ≤ 5%
 Frequency response 63 – 12500 Hz (± 3 dB)
 Signal-to-noise-ratio ≥ 50 dBA

TAPE DECK

Frequency response
 Normal tape (type I) 80 – 12500 Hz (8 dB)
 Signal-to-noise ratio
 Normal tape (type I) 50 dBA
 Wow and flutter ≤ 0.4% DIN

SPEAKERS

Bass reflex system
 Dimensions (w x h x d) .. 166 x 225 x 244(mm)

GENERAL INFORMATION

AC Power 220 – 240V / 50 Hz
 Dimensions (w x h x d) ... 166 x 225 x 274(mm)
 Weight(with/without speakers) 9.4 / 4.8 kg
 Standby power consumption <6W
 Eco power standby <0.5W

Subject to modification

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 centre out.
- Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analogue records.



Cleaning the disc lens

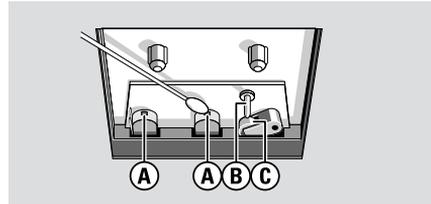
- After prolonged use, dirt or dust may accumulate at the disc lens. To ensure good playback quality, clean the disc lens with Philips CD Lens Cleaner or any commercially available cleaner. Follow the instructions supplied with cleaner.

Cleaning the Heads and the Tape Paths

- To ensure good recording and playback quality, clean the heads (A), 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 center.

Problem

Solution

CD OPERATION

"NO 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 your TV or VCR.

TAPE OPERATION / RECORDING

Recording or playback cannot be made.

- Clean deck parts, see "Maintenance".
- Use only normal (IEC I) tape for recording.

"CHECK TAPE" 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.

The remote control does not function properly.

- Select the source (CD or TUNER, for example) before pressing the function button (>II, I<, >I).
- Reduce the distance between the remote control and the system.
- Insert the battery with its polarities (+/- signs) aligned as indicated.
- Replace the battery.
- Point the remote control directly toward IR sensor on the front of the system.

The timer is not working.

- Set the clock correctly.
- 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 has been disconnected. Reset the clock/timer.

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