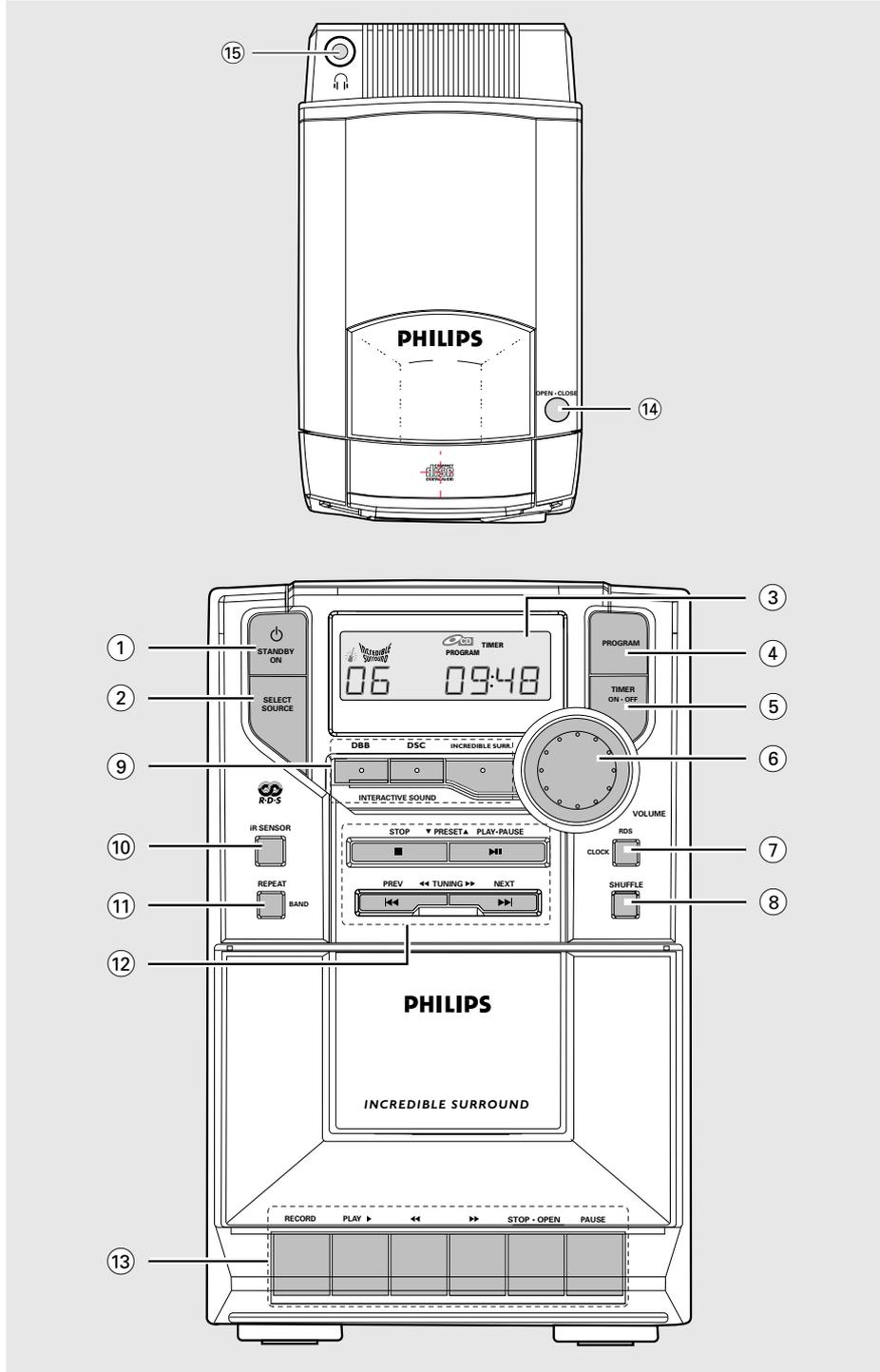# PHILIPS

MC-10

**Micro HiFi System**

Let's make things better.

PHILIPS

2

**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 ⏚) 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-10 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 innkoplet. Den innebygde netdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

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

4

# Index

English

Français

Español

Deutsch

Nederlands

Italiano

Svenska

Dansk

Suomi

Português

Ελληνικά

Polski

# Contents

**English**

- *The type plate (which contains the serial number) is located at the rear of the system.*
- *Recording is permissible if copyright or other rights of third parties are not infringed.*
- *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
– AM frame aerial
– FM aerial wire

## 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. The typeplate is located at the rear of your system.
- When the system is switched on, do not move it around.
- Place the system on a solid base (e.g. a cabinet).
- 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 to excessive moisture, rain, sand or heat sources.
- Under no circumstances should you repair the system yourself, as this will invalidate the warranty!
- 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 CD unit inside the system. Should this occur, the CD player will not operate normally. Leave the power on for about one hour with no disc in the system until normal playback is possible.
- Electrostatic discharge may cause unexpected problems. See whether these problems disappear if you unplug the AC power cord and plug it in again after a few seconds.
- **To disconnect the system from the power supply completely, remove the AC power plug from the wall socket.**

7

# Preparation
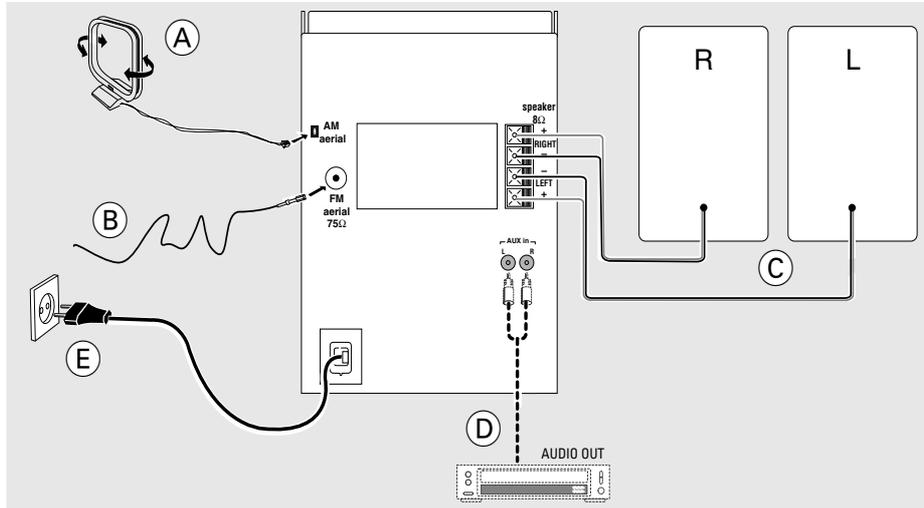
## Rear Connections

### A AM Loop Antenna Connection

Connect the supplied loop antenna to the AM ANTENNA terminal. Place the AM loop antenna far away from the system and adjust its position for the best reception.

### B FM Wire Antenna Connection

Connect the supplied FM wire antenna to the FM AERIAL (FM ANTENNA) 75 $\Omega$ terminal. Adjust the position of the FM antenna for the best reception.

#### Outdoor Antenna

For better FM stereo reception, connect an outdoor FM antenna to the FM AERIAL (FM ANTENNA) 75 $\Omega$ terminal using a 75 $\Omega$ coaxial wire.
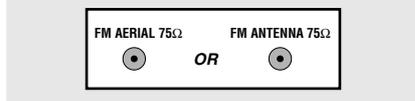


### C Speakers Connection

● Connect the right speaker to terminal marked RIGHT, with the colored wire to + and the black wire to − .
● Connect the left speaker to terminal marked LEFT, with the colored wire to + and the black wire to − .
● Clip the stripped portion of the speaker wire as shown.
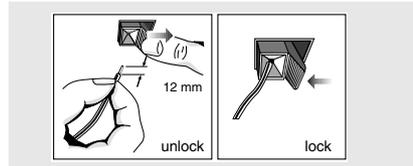


#### CAUTION:

*– For optimal sound performance, it is recommended to use the supplied speakers.*
*– Do not connect more than one speaker to any one pair of + / − speaker terminal.*
*– Do not connect speakers with impedance lower than the speakers supplied. Please refer to SPECIFICATION section of this manual.*

8

D **Connecting other equipment to your system**

You can 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 at the rear of the system.

E **AC Power Supply**

After all other connections have been made, connect the AC power cord of the system to the wall outlet.

## Inserting batteries into the Remote Control

● Insert batteries (Type R06 or AA) into the remote control as shown in the battery compartment.

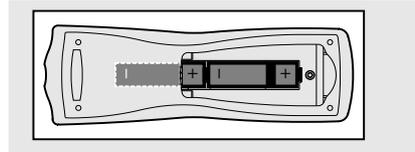● To avoid damage from possible battery leakage, remove dead batteries or batteries that will not be used for a long time.

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

## Controls *(illustration on page 3)*

### Controls on the system and remote control

1 **STANDBY ON** ⏻
– switches the system to standby/on.
– *on the remote control only* - switches the system to standby.

2 **SELECT SOURCE**
– selects the respective sound source for CD/ TUNER/ TAPE /AUX.
– switches on the system.

3 **Display**
– shows the status of the system.

4 **PROGRAM**
for CD ................. programmes tracks and reviews the programme.
for Tuner ............ programmes tuner stations manually or automatically.

5 **TIMER ON•OFF**
– activates/deactivates or sets *(on the system only)* the timer function.

6 **VOLUME ( −/+ )**
– adjusts the volume level.
– *on the system only* - adjusts the hour and minutes for the clock/timer functions.

7 **CLOCK/RDS**
– sets the clock function.
– displays RDS information.

8 **SHUFFLE**
– plays CD tracks in random order.

9 **INTERACTIVE SOUND controls:**
**DBB** ................... (Dynamic Bass Boost) enhances the bass.
**DSC** .................... (Digital Sound Control) selects sound characteristics: OPTIMAL/ ROCK/JAZZ/POP.
**INCREDIBLE SURROUND**
............................... creates a super-enhanced stereo effect.

10 **iR SENSOR**
– infrared sensor for remote control.

11 **REPEAT/BAND**
for CD ................ repeats a track/CD programme/ entire CD.
for Tuner ............ selects waveband.

9

# Controls

⑫ **Mode Selection**

**STOP ■** ............ stops CD playback or erase a
CD programme.

**PLAY•PAUSE ▶ II**

( ▶, SIDE/ II )…starts or interrupts CD play.

**PRESET ▼▲**

( I◀, ▶I ) ............. selects a preset radio station.

**PREV I◀◀ / NEXT ▶▶I**

( I◀, ▶I ) ............... skips to the beginning of a
current track/previous/
subsequent track.

( ◀◀, ▶▶ ) ......... fast searches back and forward
within a track/CD.

**TUNING ◀◀ ▶▶**

( ◀◀, ▶▶ ) ......... tunes to radio stations.

⑬ **Tape Deck Operation**

**RECORD** ........ starts recording.

**PLAY ▶** ........... starts playback.

**◀◀ / ▶▶** ............... fast rewinds/winds the tape.

**STOP•OPEN** …stops the tape; opens the
tape compartment.

**PAUSE** ............. interrupts recording or playback.

⑭ **OPEN•CLOSE**

– opens/closes the CD door.

⑮ 🎧

– connect headphones.

⑯ **MUTE**

– interrupts and resumes sound reproduction.

⑰ **NEWS/TA**

– activates RDS news and Traffic Announcement
*(not for all versions)*.

⑱ **SLEEP**

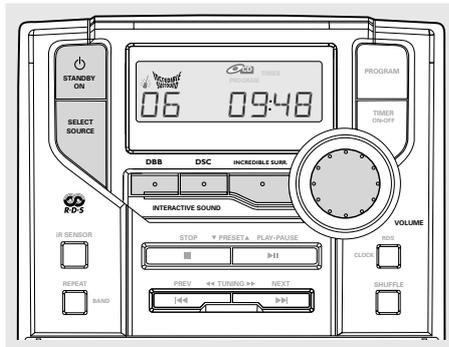– activates/deactivates or selects the sleeper time.
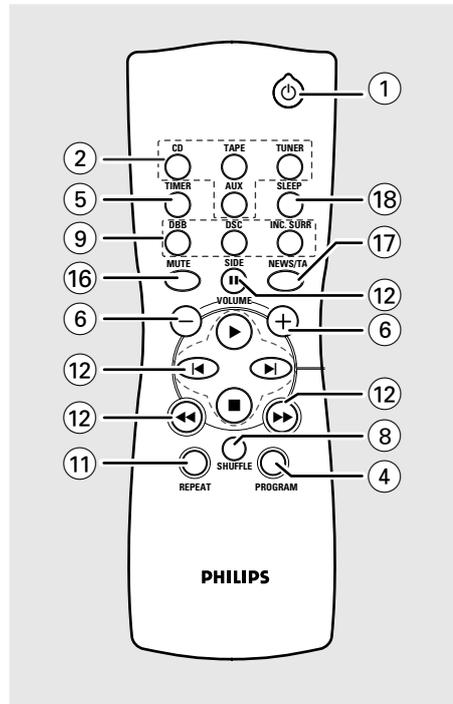
*Notes for remote control:*
*– First select the source you wish to*
*control by pressing one of the source select*
*keys on the remote control (e.g. CD ,*
*TUNER, etc.).*
*– Then select the desired function ( ▶, I◀,*
*▶I, etc.).*

10

**IMPORTANT:**
**Before you operate the system, complete the preparation procedures.**

## Switching on

There are 3 ways to switch the system on:

● press ⏻ **STANDBY ON** on the system and the last selected source switches on;
● press **SELECT SOURCE** on the system and the last selected source switches on;
● press **CD**, **TUNER**, **TAPE** or **AUX** on the remote control.

To switch the system to standby, press ⏻ **STANDBY ON** once on the system (⏻ on the remote control).

● If in tape mode or recording mode, press **STOP•OPEN** 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

1 Turn the **VOLUME** control anti-clockwise to decrease or clockwise to increase volume on the system (or press **VOLUME** −/+ on the remote control).
→ Display shows the volume level $VOL$ and a number from 0-32.

2 Press the Interactive sound control, **DSC** on the system or remote control once or more to select the desired sound effect: OPTIMAL (no indication)/ ROCK ( ) / JAZZ ( )/ POP ( ) .

3 Press **DBB** to switch bass enhancement on or off.
→ Display shows: **DBB** if the DBB is activated.

4 Press **INCREDIBLE SURROUND** (**INC. SURR.** on the remote control) to switch the surround sound effect on or off.
→ Display shows: **Incredible Surround** 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 $MUTE$.
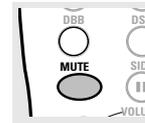


● To activate sound reproduction you can:
 – press **MUTE** again;
 – adjust the volume controls;
 – change source.

11

# Compact Disc

**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.
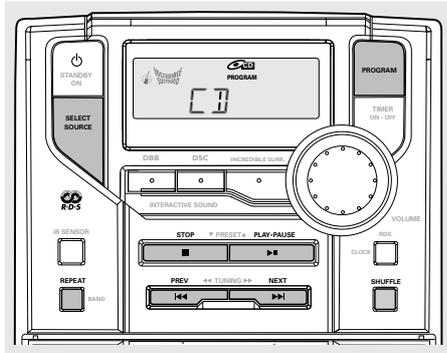
**1** Select **CD** source.

**2** Press **OPEN•CLOSE** on the top of the system to open the CD compartment.
➜ *OPEN* 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.
➜ *READ* 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 ▶) 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 SIDE/II). Press **PLAY•PAUSE ▶II** (on the remote control ▶) again to resume play.

12
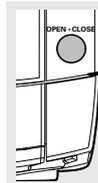
➜ The display freezes and the elapsed playing time flashes when playback is interrupted.

**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.*
*– you select to standby.*
*– you press the tape deck PLAY ▶ key.*

## Selecting a different track

● Press **PREV I◀◀** or **NEXT ▶▶I** on the system, (on the remote control 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 **PLAY•PAUSE ▶II** (on the remote control ▶) to start playback.

## Finding a passage within a track

**1** Press and hold down on **PREV I◀◀** or **NEXT ▶▶I**.
➜ The disc is played at high speed and low volume.

**2** When you recognise the passage you want, release **PREV I◀◀** or **NEXT ▶▶I**.
➜ 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 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

**1** To select your play mode, press the **SHUFFLE** or **REPEAT** button before or during playback until the display shows the desired function.

**2** Press **PLAY•PAUSE ▶II** (on the remote control ▶) 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

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** on the system or remote control to enter the programming mode.
➜ A track number is shown and **PROGRAM** flashes.

**2** Use the **PREV ◀◀** or **NEXT ▶▶** on the system, (on the remote control ◀ 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 *PROG*.

**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 ▶).

## Reviewing the programme

In STOP mode, press and hold down **PROGRAM** on the system or remote control, for a while until the display shows all your stored track numbers in sequence.
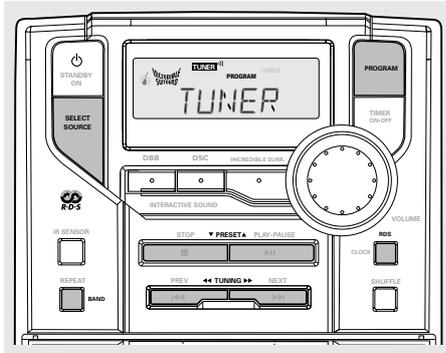
## Erasing the programme

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.

13

# Tuner

## Tuning to radio stations

1 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.

1 Press **PRESET** ▼ or ▲ ( ◀ or ▶ on the remote control) 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.*

14

2 Press **PROGRAM** on the system or 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 and 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 **PROGRAM** on the system or remote control to activate programming.
➜ **PROGRAM** flashes in the display.

3 Press **PRESET** ▼ or ▲ (◀ or ▶ on the remote control) 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 stations

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

## RDS *(some versions only)*

**Radio Data System** is a service that allows FM stations to show additional information. If you are receiving a RDS station, [RDS logo] and the station name are displayed.
When automatic programming is used, RDS stations will be programmed first.

### Scrolling through different RDS information

● Press **RDS** briefly and repeatedly to scroll through the following information (if available):
– Station name
– Programme type such as NEWS, SPORT, POP M ...
– Radio text messages
– Frequency

*Note:*
*– If you press RDS and the RDS signal is not available* NO RDS *is displayed.*

## EON

**Enhanced Other Network** allows you to search for an RDS station offering a certain programme type. If EON is available, [EON] is shown.

## 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 **RDS** briefly until the programme type is displayed.

**2** Press **PRESET** ▼ or ▲ ( |◄ or ►| on the remote control) until the desired programme type is displayed.

**3** Press and hold down on **TUNING** ◄◄ or ►► ( ◄◄ or ►► on the remote control) 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 RDS programme type
NEWS ................... News services
AFFAIRS .......... Politics and current affairs
INFO ................... Special information programmes
SPORT ............... Sports
EDUCATE .......... Education and advanced training
DRAMA ............... Radio plays and literature
CULTURE .......... Culture, religion and society
SCIENCE .......... Science
VARIED ............. Entertainment programmes
POP M ................ Pop music
ROCK M ............. Rock music
MOR M ................ Light music
LIGHT M .......... Light classical music
CLASSICS ...... Classical music
OTHER M .......... Special music programmes

## RDS News and Traffic Announcement (TA)

You may set up the tuner in such a way that listening to CD or tape is interrupted by the NEWS of a RDS station. This only works if the RDS station broadcasts a NEWS signal while sending the news.

**1** Tune to the desired RDS station.

**2** Press **NEWS/TA** once or more on the remote control to select the NEWS option.
➜ NEWS ON, TA ON or OFF is displayed briefly.
➜ NEWS is displayed if you have activated the NEWS or TA option. Changing listening source will not disarm the function.
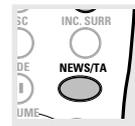
*Notes:*
*– To avoid unwanted recordings, the NEWS announcement does not work while recording a tape.*
*– When you receive RDS news or traffic announcements during CD playback, playback will pause and you will be able to hear the news/TA. Playback resumes after the broadcast has finished. In tape mode, the tape continues playing but you will hear the news/TA only until the broadcast has finished.*
*– If you are using the RDS NEWS announcement with an EON station, the whole network is searched for the respective news.*
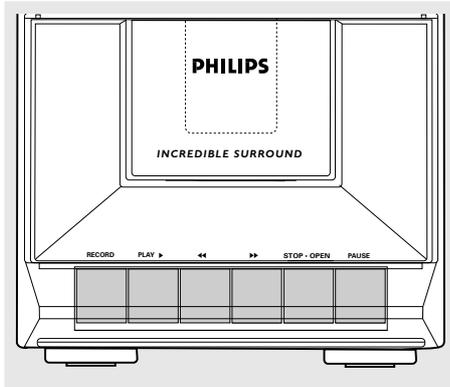
### Disarming RDS News and Traffic Announcement

There are a number of ways to disarm the news feature:
● Press **NEWS/TA** on the remote control during reception of the news option.
● Press standby on the system or remote control.
● Tune to a non-RDS-station.

**15**

# Tape Recorder

**PHILIPS**

*INCREDIBLE SURROUND*

RECORD    PLAY ▶    ◀◀    ▶▶    STOP • OPEN    PAUSE

## Tape playback

**1** Select **TAPE** source.
➜ The display shows *TAPE* throughout tape operation.

**2** Press **STOP•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 ▶** to start playback.

**5** To interrupt playback press **PAUSE**. To resume, press this key again.

**6** By pressing ◀◀ or ▶▶ on the system fast winding of tape is possible in both directions.

**7** To stop the tape, press **STOP•OPEN**.

● The keys are automatically released at the end of the tape, except if PAUSE has been activated.

*Note:*
*– The sound source cannot be changed while playing or recording a tape.*

## 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.

## Synchro Start CD recording

**1** Select **CD** source.

**2** Insert a disc and if desired, programme track numbers.

**3** Press **STOP•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.
➜ Playing of the disc programme starts automatically from the beginning of the disc/programme after 7 seconds. It is not necessary to start the CD player separately.

**To select and record a particular passage within a track:**
● Press and hold down on **PREV** ◀◀ or **NEXT** ▶▶ (on the remote control ◀◀ or ▶▶ ).
● When you recognise the passage you want, release **PREV** ◀◀ or **NEXT** ▶▶.
● To interrupt disc playback press **PLAY•PAUSE** ▶II (on the remote control SIDE/**II**).
● Recording will begin from this exact point in the track when you press **RECORD**.

**6** For brief interruptions during recording, press **PAUSE**. To resume recording, press **PAUSE** again.

16

**English**

**7** To stop recording, press **STOP•OPEN**.

## Recording from the Radio

**1** Tune to the desired radio station (see Tuning to radio stations).

**2** Press **STOP•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.

**5** For brief interruptions, press **PAUSE**. To resume recording, press **PAUSE** again.

**6** To stop recording, press **STOP•OPEN**.

## Recording from AUX

**1** Select **AUX** source.

**2** If necessary, prepare the additional appliance for recording.

**3** Press **RECORD** to start recording.

# 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 benzine, 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.

● Use a cotton swab slightly moistened with cleaning fluid or alcohol.

● You can also clean the heads by playing a cleaning tape once.
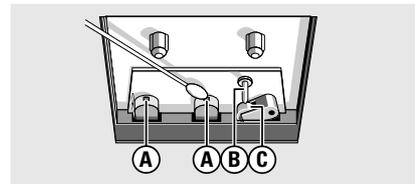
### Demagnetising the heads

● Use a demagnetising tape available at your dealer.

17

# Clock/Timer

## Setting the clock

There are two possible methods for setting the clock: manually or automatically by using RDS.

### Automatic clock setting (RDS versions only)

1 Tune to a RDS station (see TUNER).

2 Press **CLOCK** for more than 2 seconds.
→ 5EARCH RDS TIME is displayed for a maximum of 90 seconds; the time is then displayed.
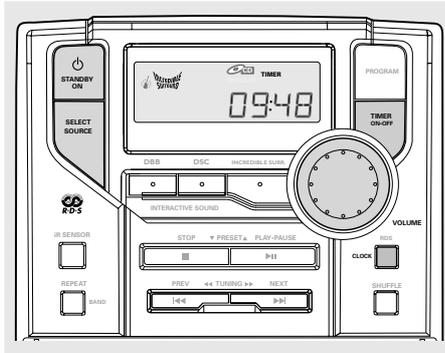→ NO RDS TIME is displayed if no time signal has been received and you will have to set the clock manually.

### Manual clock setting

1 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.

3 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 TIMER

● The system can be used as an alarm clock, whereby the CD or TUNER is switched on at a set time. The clock time needs to be set first before the timer can be used.

● 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 (or press **SELECT SOURCE**) to select sound source.

3 Press **TIMER ON•OFF** to confirm your desired mode.
→ The selected source ⊘**CD** or **TUNER** is shown. 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** on the system once (**TIMER** on the remote control).
→ Display shows **TIMER** if activated, and disappears if deactivated.

18

## 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 OFF, 60... if you have selected a time. Once SLEEP is activated, SLEEP ON scrolls across the display at repeated intervals.

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

# Specifications

**AMPLIFIER**

Output power .......................................... 2 x 5 W RMS

............................................................. 10 W + 10W MPO

Signal-to-noise ratio .......................... ≥ 65 dBA (IEC)

Frequency response ........ 40 – 20000 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 ........................................... 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) ... 120 – 10000 Hz (8 dB)

Signal-to-noise ratio

Normal tape (type I) .................................... 48 dBA

Wow and flutter ........................................ ≤ 0.4% DIN

**SPEAKERS**

Bass reflex system

Dimensions (w x h x d) . 155 x 220 x 220 (mm)

**GENERAL INFORMATION**

AC Power .................................................. 230 V / 50 Hz

Dimensions (w x h x d) ... 140 x 223 x 253(mm)

Weight (with/without speakers) ..................................

............................................................... approx. 6.0 / 2.8 kg

Standby power consumption .......................... < 3 W

*Subject to modification*

19

# Troubleshooting

**WARNING**

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

● 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.

| Symptom | Remedy |
|---|---|
| **CD PLAYER OPERATION** | |
| "NO DISC" is displayed. | ● Check if the disc is inserted upside down.<br>● Wait until the moisture condensation at the lens has cleared.<br>● Use a finalised CD-R(W).<br>● Replace or clean the disc, see Maintenance. |
| **RADIO RECEPTION** | |
| Poor radio reception. | ● The signal is too weak, adjust the antenna or connect an external antenna for better reception.<br>● Increase the distance from TV or VCR. |
| **TAPE DECK OPERATION** | |
| Recording or playback cannot be made. | ● Clean deck parts, see Maintenance.<br>● Use only NORMAL (IEC I) tape for recording.<br>● Apply a piece of adhesive tape over the missing tab space. |
| **GENERAL** | |
| Does not react when any buttons is pressed. | ● Press STANDBY ON to switch off the system. Remove the AC power plug from the wall outlet, then reconnect the power plug and switch on the system again. |
| No or poor sound. | ● Adjust the volume.<br>● Disconnect the headphones.<br>● Check that the speakers are connected correctly.<br>● Check if the stripped speaker wire is clamped. |
| Reversed left and right sound. | ● Check the speaker connections and location. |
| Remote control does not function properly. | ● Select the source (CD, TUNER, etc.) before pressing the function button ( ▶, ◀◀, ▶▶, etc.).<br>● Reduce the distance to the system.<br>● Insert the batteries with their polarities (+/– signs) as indicated.<br>● Replace the batteries. |
| Timer is not working. | ● Set the clock.<br>● Press TIMER ON•OFF to switch on the timer.<br>● If recording is in progress, stop recording. |

20