Micro Hi-Fi System

MCM390

User manual
Manuel d'utilisation
Manual del usuario
Benutzerhandücher
Gebruikershandleidingen
Manuale per l'utente
Användarhandböckerna
Brugermanual
Käyttöoppaita
Manual do usuário
εγχειρίδιο χρήσης

PHILIPS

Important notes for users in the U.K.

Mains plug

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

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 MCM390 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
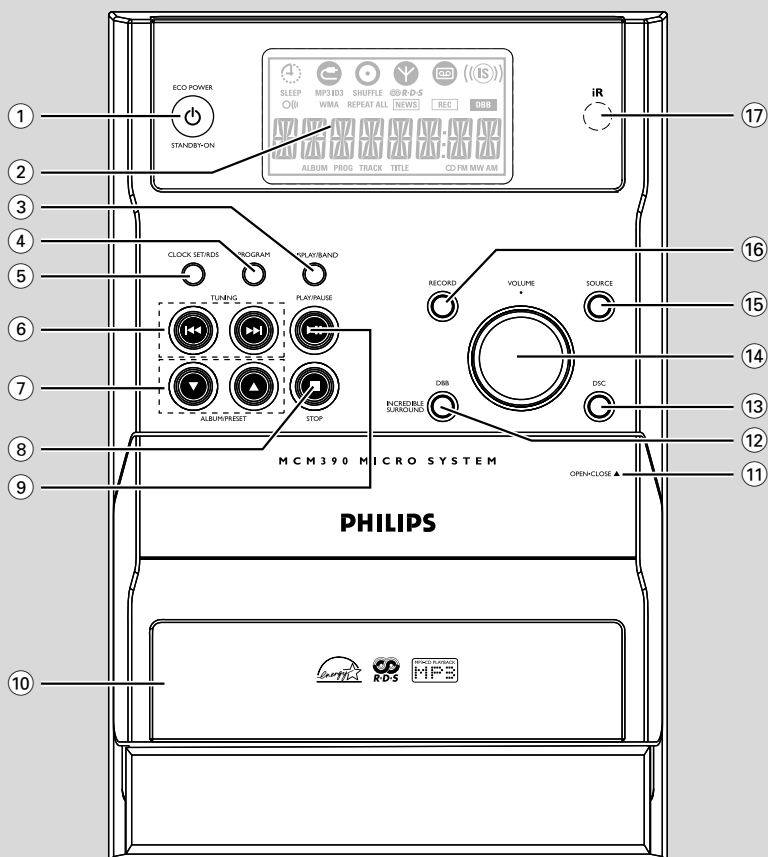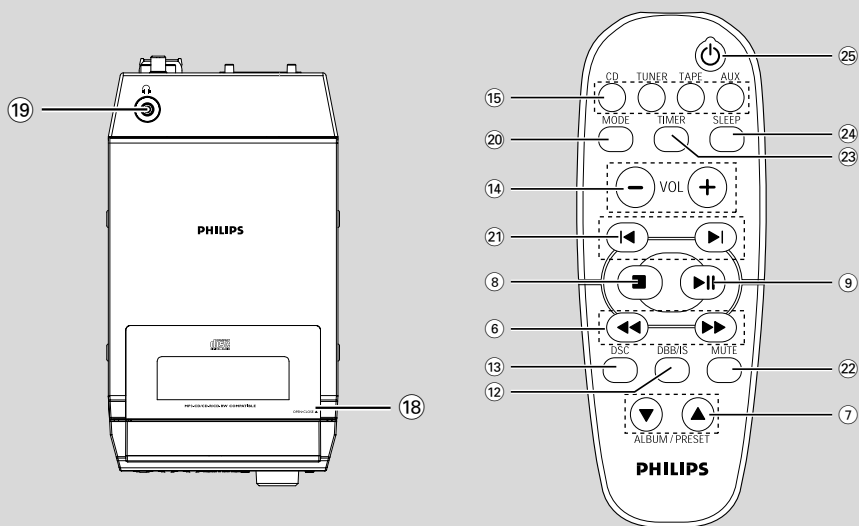5616 JB Eindhoven, The Netherlands

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.

CAUTION

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

⑲ ∩

PHILIPS

MP3/CD/CD-R/CD-RW COMPATIBLE   OPEN•CLOSE ▲

⑱

⑮ CD TUNER TAPE AUX

⑳ MODE   TIMER   SLEEP

⑤ ⌀ (STANDBY)

㉔
㉓

⑭ — VOL +

㉑ ⏮ ⏭

⑧ ■ ▶Ⅱ ⑨

⑥ ◀◀ ▶▶

⑬ DSC   DBB/IS   MUTE

⑫

㉒

▼ ▲ ⑦
ALBUM / PRESET

PHILIPS

ECO POWER

SLEEP MP3 D3 SHUFFLE ⊕ R·D·S (((IS)))
○ Ⅱ WMA REPEAT ALL NEWS REC DBB

① ⌀
STANDBY•ON

ALBUM PROG TRACK TITLE CD FM MW AM

iR ⑰

②

③

④

CLOCK SET/RDS   PROGRAM   •PLAY/BAND

⑤

RECORD VOLUME SOURCE ⑯
⑮

TUNING   PLAY/PAUSE

⑥ ⏮ ⏭ ▶Ⅱ

⑦ ▼ ▲ ■
ALBUM/PRESET   STOP

⑧

⑨

⑭

DBB
INCREDIBLE
SURROUND   DSC ⑬
⑫

M C M 3 9 0   M I C R O   S Y S T E M

OPEN•CLOSE ▲ ⑪

PHILIPS

⑩

3

DK

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

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

S

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

Observera! Stömbrytaren är sekundärt kopplad och bryter inte strömmen från nätet. Den inbyggda nätdelen 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.

Index

English Français Español Deutsch Nederlands Italiano Svenska Dansk Suomi Português Ελληνικά

Contents

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

Supplied accessories

– 2 speaker boxes
– remote control
– MW loop antenna
– FM wire antenna

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

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.
● The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
● Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
● No naked flame sources, such as lighted candles, should be placed on the apparatus.
● No objects filled with liquids, such as vases, shall be placed on the apparatus.

● 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.**

About MP3 disc

Supported formats
– ISO9660, Joliet, Multisession
– Max. track number plus album is 300
– Max. nested directory is 8 levels
– The max. album number is 30
– The max. MP3 programme track number is 20
– Supported VBR bit-rate
– Supported sampling frequencies for MP3 disc are: 32 kHz, 44.1 kHz, 48 kHz
– Supported Bit-rates of MP3 disc are: 32, 64, 96, 128, 192, 256 (kbps)

Sound Quality
Take note that MP3-CD compilations should best contain only MP3 tracks (.mp3). **To achieve a good MP3 quality, a bit rate of 128 kbps is recommended.**

Preparations

FM wire antenna

MW loop antenna

Speaker (right)

Speaker (left)

B

D

C

A
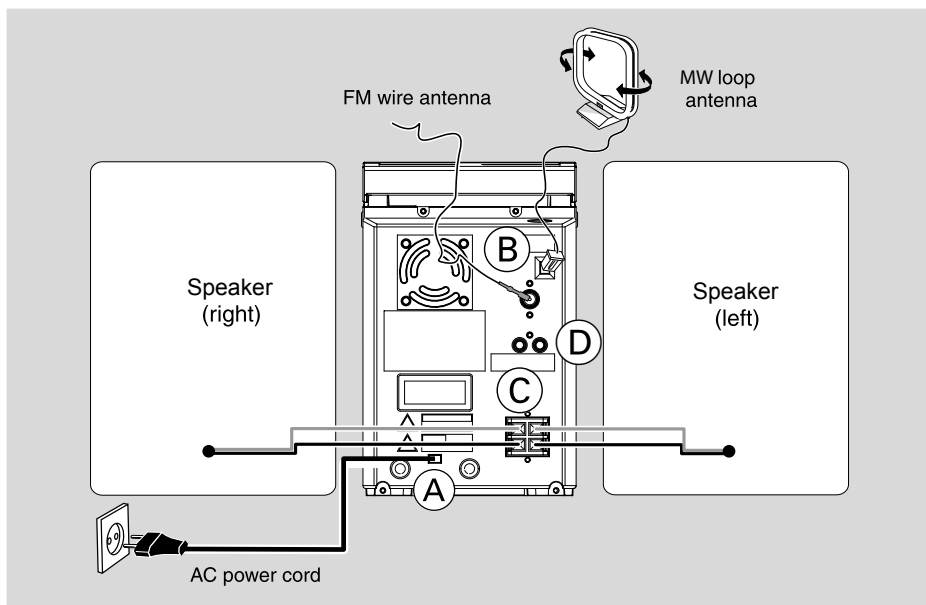
AC power cord

Rear connections

The type plate is located at the rear of the system.
For users in the U.K.: please follow the instructions on page 2.

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 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)****.***
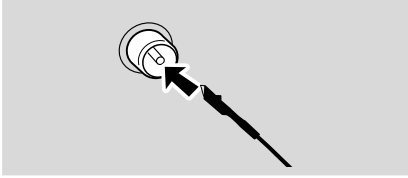
B Antennas Connection

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

MW Antenna

① ②

Fix the claw to the slot

AM AERIAL

③
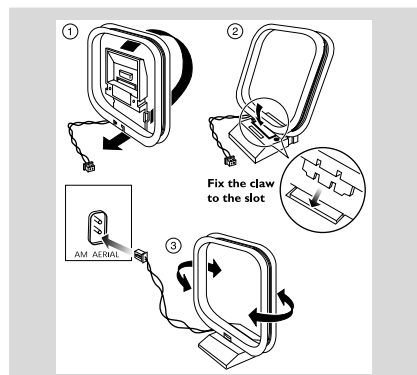
● Position the antenna as far as possible from a TV, VCR or other radiation source.
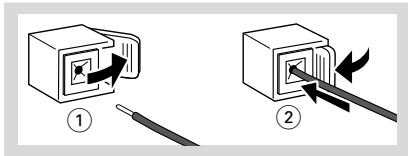
FM Antenna

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

C 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.

D 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 monaural 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 monaural).

Inserting batteries into the remote control

Insert two batteries (type R03 or AAA) into the remote control with the correct polarity as indicated by the "＋" and "－" symbols inside the battery compartment.
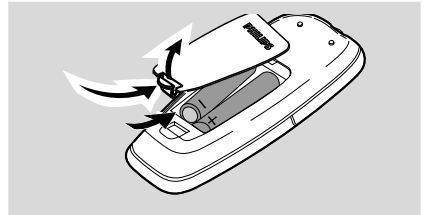
CAUTION!
– Remove batteries if they are exhausted or will not be used for a long time.
– Do not use old and new or different types of batteries in combination.
– Batteries contain chemical substances, so they should be disposed of properly.

Controls *(illustrations on page 3)*

Controls on the system and remote control

1 Eco Power/STANDBY ON ⏻
– to switch the system on or to Eco Power standby mode.

2 Display screen
– to view the current status of the system.

3 DISPLAY/BAND
for Tuner .... to select waveband : FM, MW or LW.
for CD/MP3-CD…to select disc information display mode.

4 PROGRAM
for CD/MP3-CD…to programme disc tracks.
for Tuner .... to programme preset radio stations.

5 CLOCK SET/RDS
for Tuner .... to activate RDS news.
for Clock .... *(on the system only)* to set the clock function.

6 |◀◀ ▶▶| TUNING (◀◀ ▶▶)
for CD .... to fast reverse/forward the disc.
for CD/MP3 CD… *(on the system only)* to select a desired track.
for Tuner .... to tune to a lower or higher radio frequency.
for Tape .... to rewind or fast forward.

7 ▼▲ ALBUM/PRESET/TIMER SET
for MP3-CD ..... to select previous/next album.
for Tuner .... to select a preset radio station.
for Timer Set (▲) *(on the system only)* to set the timer function.

8 ■ STOP
for CD/MP3-CD…to stop playback or to clear a programme.
for Tape .... to stop playback or recording.

9 PLAY/PAUSE ▶II
for CD/MP3 CD…to start or interrupt playback.
for Tape .... to start playback.

10 Tape deck

11 OPEN ▲
– to open tape compartment.

12 IS/DBB (Incredible Surround/Dynamic Bass Boost)
– to create a super-enhanced stereo effect.
– to enhance the bass.

13 DSC (Digital Sound Control)
– to select the desired sound effect : OPTIMAL/ ROCK/POP/JAZZ.

14 VOLUME (VOL + / -)
– to increase or decrease the volume.
– *(on the system only)* to adjust the hours and minutes for the clock/timer functions.

15 SOURCE
– to select the respective sound source : CD, TUNER, TAPE or AUX.

16 RECORD
– to start recording.

17 iR sensor
– infrared sensor for remote control.

18 OPEN•CLOSE ▲
– to open or close the disc tray.

19 🎧 Headphone
– Plugs in the headphones jack. The speakers output will be cancelled.

20 MODE
– to shuffle and repeat a track/disc.

21 |◀ / ▶|
– to select a desired track.

22 MUTE
– interrupts and resumes sound reproduction.

23 TIMER
– to activate/deactivate the timer function.

24 SLEEP
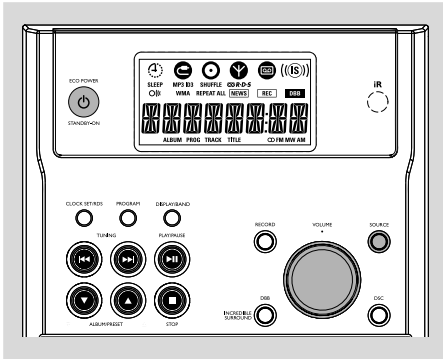– to activate/deactivate or set the sleep timer.

25 ⏻
– to switch the system to standby mode.

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 ▶, |◀, ▶|).

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

Switching the system on

● Press **STANDBY ON** ⏻ or **SOURCE**.
→ 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.

Switching the system to Eco Power Standby mode

● Press **STANDBY-ON /** ⏻ in the active mode.
→ The backlight of clock display is dim in standby.

● The volume level, interactive sound settings, last selected mode, source and tuner presets will be retained in the player's memory.

● To view the clock time in Standby mode, press and hold **STANDBY-ON /** ⏻ for 3 seconds or more.
→ The system enters the normal standby mode with clock display.

● Press and hold **STANDBY-ON /** ⏻ for 3 seconds or more to go back to Eco Power Standby mode.

Power-saving automatic standby

As a power-saving feature, the system will automatically switch to Standby mode if you do not press any buttons within 15 minutes after a disc or tape has stopped playing.

Volume control

Adjust **VOLUME (VOL + / -)** to increase or decrease the volume level.
→ Display shows the volume level "VOL" and a number from 1-31. "MIN" denotes the minimum volume level and "MAX" denotes the maximum volume level.

To switch off the volume temporarily

● Press **MUTE** on the remote control.
→ Playback will continue without sound and "$MUTE$" is displayed.

● To restore the volume, press **MUTE** again or increase/decrease the volume level.

Sound control
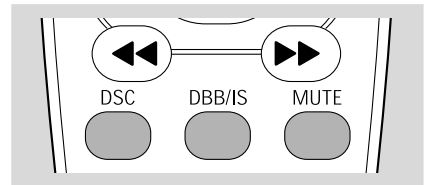
● Press **DSC** repeatedly to select the desired sound effect : OPTIMAL, ROCK, JAZZ or POP.

● Press **INCREDIBLE SURROUNDS/DBB** to switch on or off the surround sound effect or bass enhancement.
→ The sequences are as follows :
DBB → INCR.SURR. → DBB+INCR.SURR.
→ If the DBB is activated, **DBB** is shown.
→ If the IS is activated, ((S)) is shown.

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

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CD/MP3-CD Operations
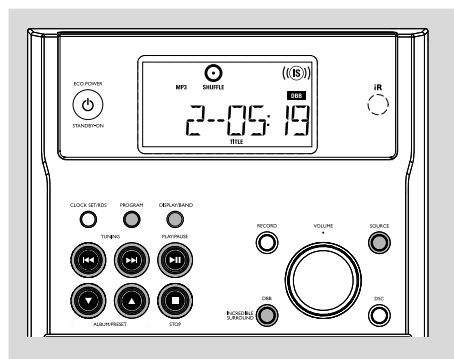
IMPORTANT!
The lens of the CD player should never be touched.

Discs for playback

This system is able to play :
– All pre-recorded audio CDs
– All finalised audio CDR and audio CDRW discs
– MP3-CDs (CD-ROMs with MP3 tracks)

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

Playing a disc

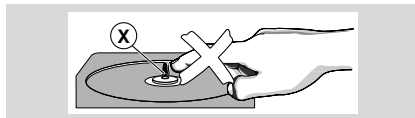❶ Select **CD** source.

❷ Press **OPEN•CLOSE▲** on the top of the system to open the CD compartment.
➜ "*CD OPEN*" is displayed.

❸ Insert a disc with the printed side facing up and press **OPEN•CLOSE▲** to close the CD door.
➜ "*READING*" is displayed as the CD player scans the contents of a disc, and then the total number of tracks and album are shown.

❹ Press ▶II to start playback.

To interrupt playback
● Press ▶II.
● To resume playback, press ▶II again.

To stop playback
● Press ■ .

Notes:
– Disc play will also stop when you select another source or the disc has reached the end.
– For MP3 disc, the disc reading time may exceed 10 seconds due to the large number of songs compiled into one disc.

Text display

In CD mode
● Press **DISPLAY/BAND** repeatedly to see the following information.
➜ Track number and elapsed play time of current track.
➜ Remaining play time of current track.
➜ Total number of tracks played and total played-back time.
➜ Total remaining number of tracks and total remaining play time.

In MP3-CD mode
● Press **DISPLAY/BAND** repeatedly to select four display modes : Number, Track, Album and ID3.

Number ➜ Album number, track number and elapsed play time.
Track ➜ Track name scrolls and elapsed play time.
Album ➜ Album name scrolls and elapsed play time.
ID-3 ➜ ID-3 tag scrolls once and elapsed play time.

Selecting a different track

● Press I◀◀ or ▶▶I (I◀ or ▶I) repeatedly until the desired track number appears in the display.
● If playback is stopped, press ▶II to start playback.

CD/MP3-CD Operations

Finding a passage within a track

❶ Press and hold down on |◀◀ or ▶▶| (◀◀ or
▶▶ on the remote control).
→ The disc is played at high speed.

❷ When you recognize the passage you want,
release |◀◀ or ▶▶| (◀◀ or ▶▶on the
remote control).
→ Normal playback continues.

Selecting a desired album/track (MP3 disc only)

To select a desired album
● Press ▼ or ▲ repeatedly.

To select a desired track
● Press |◀◀ or ▶▶| (|◀ or ▶|) repeatedly.

Different play modes: SHUFFLE and REPEAT

You can select and change the various play
modes before or during playback.

❶ Press **MODE** on the remote control to select :
→ **SHUFFLE** – tracks of the entire disc/
programme are played in random order.
→ **SHUFFLE REPEAT ALL** – to repeat the
entire disc/ programme continuously in random
order.
→ **REPEAT ALL** – to repeat the entire disc/
programme.
→ **REPEAT** – to repeat the current track.

❷ To return to normal playback, press **MODE** until
the various SHUFFLE/ REPEAT modes are no
longer displayed.

● You can also press ■ to cancel your play mode.

Note:
*– If Shuffle is activated on a MP3-CD, all titles
stored in the disc will be played in random order.*

Programming the disc tracks

Programming tracks is possible when playback is
stopped. Up to 20 tracks can be stored in the
memory in any order.

❶ Press **PROGRAM** to enter the programming
mode.
→ A track number is shown and **PROG** flashes.

❷ Press |◀◀ or ▶▶| (|◀ or ▶|) repeatedly to
select your desired track number.

● **For MP3 disc**, press ▼ / ▲ and |◀◀ / ▶▶|
(|◀ or ▶|) to select the desired album and track
for programming.

❸ Press **PROGRAM** to confirm the track number
to be stored.

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

❺ To start playback of your disc programme, press
■ followed by ▶ II.

● **If you attempt to programme more than
20 tracks,** "FULL" **will appear on the
display. In this case :**
→ The system will exit programming mode
automatically.
→ Pressing ■ button will erase all the
programmed tracks.
→ Pressing ▶ II button will start playback the
programmed tracks.

Note:
*– It is not possible to create a programme with
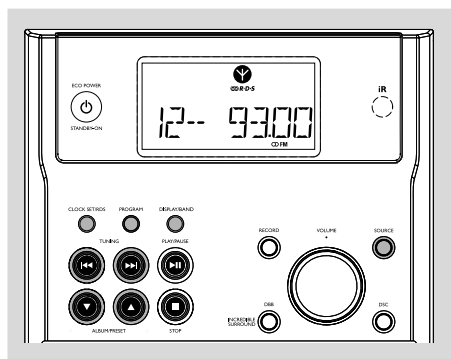MP3 tracks from multiple CDs.*

Reviewing the programme

In stop mode, press and hold **PROGRAM** until
the display shows all your stored track numbers
in sequence.

Erasing the programme

● Press ■ **once** when playback is stopped or
twice during playback.
→ **PROG** disappears and "CLEAR" is displayed.

Radio Reception

Tuning to radio stations

❶ Select **TUNER** source.
→ "TUNER" is displayed briefly.

❷ Press **DISPLAY/BAND** to select the desired waveband : FM, MW or LW.

❸ Press down on ↤↤ or ↦↦ (◀◀ or ▶▶ on the remote control) and release button.
→ The display will show "SEARCH" until a radio station with sufficient signal strength is found.
→ If a FM station is received in stereo, ♾ is shown.

❹ Repeat step **3** if necessary until you find the desired station.

● To tune to a weak station, press ↤↤ or ↦↦ (◀ or ▶ on the remote control) 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.

❶ Press ▼ 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.

❷ Press **PROGRAM** for more than two seconds to activate programming.
→ All available stations are programmed.

Manual programming

❶ Tune to your desired station (refer to "Tuning to radio stations").

❷ Press **PROGRAM** to activate programming.
→ **PROG** flashes in the display.

❸ Press ▼ or ▲ to allocate a number from 1 to 40 to this station.

❹ Press **PROGRAM** again to confirm the setting.
→ **PROG** disappears, the preset number and the frequency of the preset station are shown.

❺ 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 ▼ or ▲ 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, ☺ R·D·S and the station name are displayed.
When automatic programming is used, RDS stations will be programmed first.

Scrolling through different RDS information

● Press **CLOCK SET / RDS** briefly and repeatedly to scroll through the following information (if available):
   – Station name
   – Radio text messages
   – Frequency

Setting the RDS clock

Some RDS radio station may be transmitting a real clock time at an interval of every minute. It is possible to set the clock by using a time signal which is broadcast together with the RDS signal.

❶ Tune to a RDS station (refer to "Tuning to radio stations").

❷ Press **CLOCK SET / RDS** for more than two seconds.
   ➜ "SEAR TM" is displayed.
   ➜ When RDS time is read, "RDS" and RDS time value are displayed and the current time will be stored.

Note:
– Some RDS radio station may be transmitting a real time clock at a minute interval. The accuracy of the transmitted time depends on the transmitting RDS radio station.

Tape Operation / Recording

Tape playback

❶ Select **TAPE** source.
  → The display shows "**TAPE**" briefly, and the tape counter ▯▯▯ displayed.

❷ Press **OPEN ▲** to open the tape door.

❸ Insert a recorded tape and close the tape door.

● Load the tape with the open side downward and the full spool to the left.

❹ Press ▶ **II** to start playback.

To stop playback
● Press ■ .

To reset the tape counter display
● In stop mode, press ■ **once**.

Rewinding / Fast forwarding

❶ Stop playback, press |◀◀ or ▶▶| (◀◀ or ▶▶ on the remote control).
  → The tape will stop automatically at the end of rewinding or fast forwarding.
  → During fast winding, you can monitor the tape message with the tape counter.

❷ Press ■ to stop rewinding or fast forwarding.

General information on recording

● 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 or DBB 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.

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

Preparation for recording

❶ Select **TAPE** source.

❷ Load a recordable tape into tape deck with full spool to the left.

❸ Prepare the source to be recorded.
CD – load the disc.
TUNER – tune to the desired radio station.
AUX – connect external equipment.

When recording is in progress
➜ **REC** is shown.

● To stop recording, press ■.

● It is not possible to listen to another source.

● It is not possible to activate the timer function.

Synchro start CD recording

❶ Select **CD** source.

● Press |◀◀ or ▶▶| (|◀ or ▶|) to select the desired track to start recording.

● You can programme the tracks in the order you want them to be recorded (refer to "CD/MP3-CD Operations - Programming the disc tracks").

❷ Press **RECORD** to start recording.
➜ Playing of the CD programme starts automatically from the beginning of the CD. It is not necessary to start the CD player separately.

One touch recording

❶ Select **CD**, **TUNER** or **AUX** source.

❷ If necessary, start playback of the selected source.

❸ Press **RECORD** to start recording.

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.

❶ Select the preset radio station to record from (refer to "Radio Reception - Tuning to preset radio stations").

❷ In standby mode, press **PRESET** ▲ for more than two seconds.
➜ The current selected source is displayed.

❸ Press **SOURCE** repeatedly until "REC TUN" source is displayed.

❹ Press **PRESET** ▲ to confirm the source.
➜ "SET ON TIME" is displayed and the clock digits for the hours flash.

❺ Adjust **VOLUME** on the front pannel to set the hours.

❻ Press **PRESET** ▲ again.
➜ The clock digits for the minutes flash.

❼ Adjust **VOLUME** on the front pannel to set the minutes.

❽ Press **PRESET** ▲ to confirm the recording start time.
➜ "SET OFF TIME" is displayed and the clock digits for the hours flash.

❾ Repeat steps **5-7** to set the finish time.

❿ Press **PRESET** ▲ to confirm the timer settings.
➜ ☼ is shown and the recording timer is now set.

Note:
– The recording timer will not be activated if the system is in tape play mode.

Clock/Timer
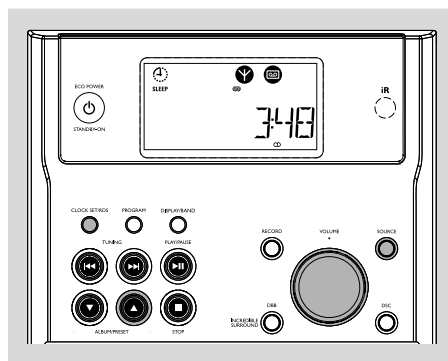
Clock setting

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

Automatic clock setting
Refer to "Setting the RDS clock".

Manual clock setting

❶ In standby mode, press and hold **CLOCK SET/RDS**.
→ The clock digits for the hours flash.

❷ Adjust **VOLUME** to set the hours.

❸ Press **CLOCK SET/RDS** again.
→ The clock digits for the minutes flash.

❹ Adjust **VOLUME** to set the minutes.

❺ Press **CLOCK SET/RDS** to confirm the time.

Timer setting

● The system can be used as an alarm clock, whereby the CD, TUNER or TAPE is switched on at a set time (one time operation). 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 (refer to "Recording timer")

● During setting, if no button is pressed within 90 seconds, the system will exit timer setting mode automatically.

❶ In standby mode, press **PRESET ▲** for more than two seconds.

❷ Press **SOURCE** repeatedly to select the sound source.
→ "SET TIME" and "SELECT SOURCE" are displayed.

❸ Press **PRESET ▲** to confirm your desired mode.
→ "SET ON TIME" is displayed and the clock digits for the hours flash.

❹ Adjust **VOLUME** to set the hours.

❺ Press **PRESET ▲** again.
→ The clock digits for the minutes flash.

❻ Adjust **VOLUME** to set the minutes.

❼ Press **PRESET ▲** to confirm the time.
→ The timer is now set and activated.

Activating and deactivating timer

● In standby or during playback, press **TIMER once** on the remote control.
→ Display shows ☽ if activated, and disappears if deactivated.

Sleep timer setting

The sleep timer enables the system to switch off by itself after a set period of time.

❶ Press **SLEEP** on the remote control repeatedly to select a preset time.
→ The selections are as follows (time in minutes):
60 → 45 → 30 → 15 → 0 → 60 …
→ "SLEEP XX" or "0" is displayed. "XX" is the time in minutes.

❷ When you reach the desired length of time, stop pressing the **SLEEP** button.

To deactivate the sleep timer
● Press **SLEEP** repeatedly until "0" is displayed, or press the **STANDBY ON** button.

Specifications

AMPLIFIER

Output power .... 2 × 15 W RMS
 .... 30 W + 30 W MPO
Signal-to-noise ratio .... ≥ 62 dBA (IEC)
Frequency response .... 40 – 15000 Hz, ± 3 dB
Impedance loudspeakers .... 4 Ω
Impedance headphones .... 32 Ω -1000 Ω

CD/MP3-CD PLAYER

Number of programmable tracks 20
Frequency range .... 20 – 20000 Hz
Signal-to-noise ratio .... 75 dBA
Channel separation .... ≥ 60 dB (1 kHz)
Total harmonic distortion .... < 0.003%
MPEG 1 Layer 3 (MP3-CD) .... MPEG AUDIO
MP3-CD bit rate .... 32-256 kbps
                                                 (128 kbps advised)
Sampling frequencies .... 32, 44.1, 48 kHz

TUNER

FM wave range .... 87.5 – 108 MHz
LW wave range .... 153 – 279 kHz
MW wave range .... 531 – 1602 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

2-way Bass reflex system
Dimensions (w × h × d) . 142 × 235 × 212 (mm)

GENERAL INFORMATION

AC Power .... 220 – 230 V / 50 Hz
Dimensions (w × h × d) .. 148 × 235 × 258 (mm)
Weight (with/without speakers)
 .... approx. 6.3 / 3.3 kg
Eco Power Standby .... < 1 W
Power consumption Standby .... < 3 W

Specifications and external appearance are subject to change without notice.

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 Ⓐ, the capstan(s) Ⓑ, and pressure roller(s) Ⓒ 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.
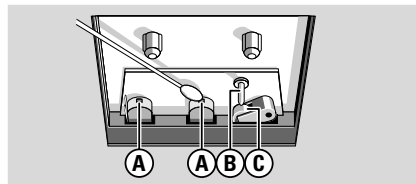
Demagnetizing the heads
● Use a demagnetizing tape available at your dealer.

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 Philips for help.

Problem	Solution
"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 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.

Problem	Solution
Recording or playback cannot be made.	✔ Clean deck parts, see "Maintenance". ✔ Use only normal (IEC I) tape for recording.
"CHK 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.
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. ✔ Make sure the MP3-CD was recorded within 32-256 kbps bit rate with sampling frequencies at 48 kHz, 44.1 kHz or 32 kHz.
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 (▶ , ◀, ▶). ✔ 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 IR sensor on the front of the system.
The timer is not working.	✔ Set the clock correctly. ✔ Press TIMER 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.