



Micro Hi-Fi System



MC-70

MC-50



Let's make things better.



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 \perp) or coloured green (or green and yellow).

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

Copyright in the U.K.

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

Italia

DICHIARAZIONE DI CONFORMITA'

Si dichiara che l'apparecchio MC-50, MC-70 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

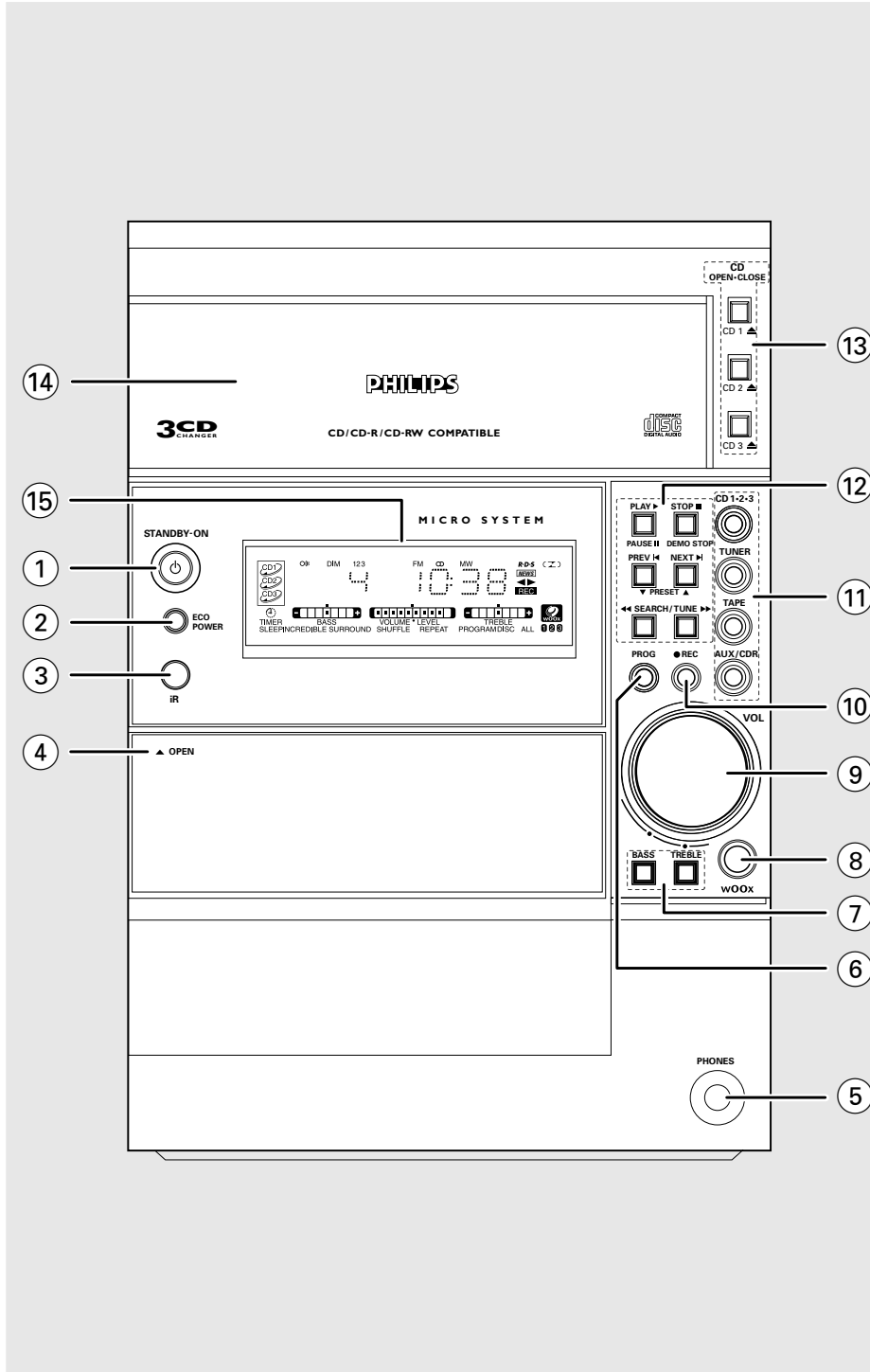
Typeskilt finnes på apparatens underside.

Observer: Nettbryteren er sekundert innkoplet. Den innebygde nettdelen 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.





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 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.

DEMO MODE

To turn ON

Press & HOLD



button

for 5 seconds

To turn OFF

Press & HOLD



button

for 5 seconds

PLUG & PLAY

1



Plug in the unit

2



Follow instructions in the display

3



Press "PLAY"



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General Information

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

Acknowledgement

Energy Star

As an ENERGY STAR® Partner, Philips has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



Supplied accessories

- Remote control
- Batteries (two AA size) for remote control
- AM loop antenna
- FM wire antenna
- AC power cord

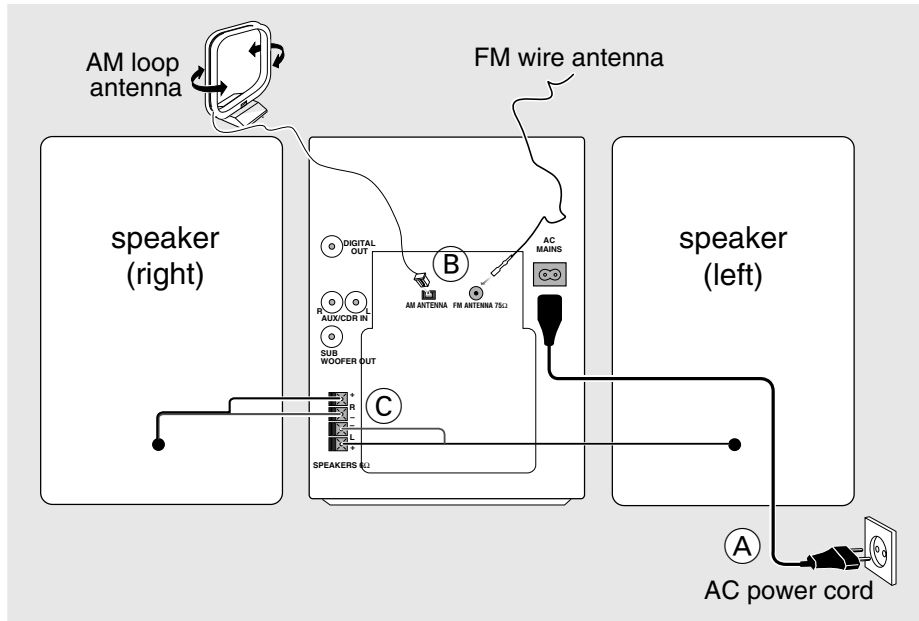
Safety Information

- 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.

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!

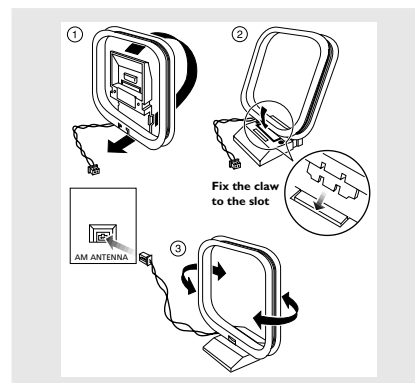
- For optimal performance, use only the original power cable.
- Never make or change connections with the power switched on.

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

AM Antenna

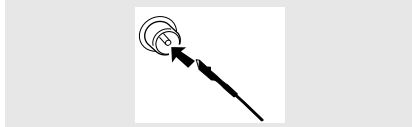


- Position the antenna as far as possible from a TV, VCR or other radiation source.



Preparations

FM Antenna

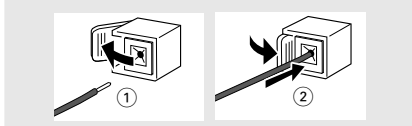


- For better FM stereo reception, connect an outdoor FM antenna to the FM ANTENNA terminal.

Speakers Connection

Front Speakers

Connect the speaker wires to the SPEAKERS (FRONT) terminals, right speaker to "R" and left speaker to "L", coloured (marked) wire to "+" and black (unmarked) wire to "-".



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

Notes:

- For optimal sound performance, use the supplied speakers.
- Do not connect more than one speaker to any one pair of + / - speaker terminals.
- Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

Optional Connections

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

Subwoofer Out Connection

Connect the subwoofer to the **SUBWOOFER OUT** terminal. The subwoofer reproduces just the low bass sound effect (explosions or the rumble of spaceships, for example).

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/CDR IN** terminals.

Note:

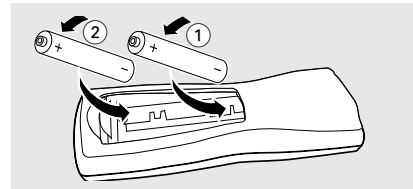
- If you are connecting equipment with a monaural output (a single audio out terminal), connect it to the AUX/CDR IN left terminal. Alternatively, you can use a "single to double" cinch cable (still be monaural sound).

Digital Out Connection

Connect this digital output when recording on any audio equipment with digital input (CD Recorder; Digital Audio Tape [DAT] deck; Digital to Analogue Converter and Digital Signal Processor; for example). Use a cinch cable to connect the **DIGITAL OUT** terminal to the digital input terminal of the equipment.

Inserting batteries into the Remote Control

Insert two batteries (Type R06 or AA) into the remote control with the correct polarity as indicated by the + and - symbols inside the battery compartment.




CAUTION!

- Remove batteries if they are exhausted or will not be used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed off properly.

Controls (main system's illustration on page 3)

Controls on the system and remote control

- ① **STANDBY ON** 
 - to switch the system on or to Standby mode.
- ② **ECO POWER**
 - to switch the system on or to Eco Power Standby mode.
- ③ **iR**
 - infrared sensor for remote control.
- ④ **▲ OPEN**
 - to open the tape deck door.
- ⑤ **PHONES**
 - to connect headphones.
- ⑥ **PROG (PROGRAM)**
 - for CD to programme disc tracks.
 - for TUNER to programme preset radio stations.
 - for CLOCK to select 12- or 24-hour clock mode.
- ⑦ **BASS/TREBLE**
 - to select BASS or TREBLE sound feature.
 - BASS/TREBLE + / -** (on the remote control)
 - to increase or decrease the low or high tone level for the respective BASS or TREBLE sound feature selected.
- ⑧ **wOOx** (for model MC-70 only)
 - (on the system only) to select the next wOOx level or switch off wOOx sound effect.
 - (on the remote control only) to switch on or off the wOOx sound effect.

wOOx LEVEL

 - (on the remote control only) to select a desired wOOx level : WOOX 1, WOOX 2 or WOOX 3.
- ⑨ **VOL (VOLUME + / -)**
 - to increase or decrease the volume.
 - (on the system only) to increase or decrease the low or high tone level for the respective BASS or TREBLE sound feature selected.
- ⑩ **● REC**
 - to start recording on a tape.
- ⑪ **SOURCE** – to select the following:

CD 1•2•3 (CD 123)

 - to select disc tray 1, 2 or 3.

TUNER

 - to select waveband : FM, MW or LW.

TAPE

 - to select tape mode.

AUX / CDR

- to select a connected external source : CDR or AUX (auxiliary) mode.

⑫ Mode Selection

PLAY PAUSE


- for CD to start or interrupt playback.
- for TAPE to start playback.
- for PLUG & PLAY... (on the system only) to initiate and start plug & play mode.

STOP/DEMO STOP

- for CD to stop playback or to clear a programme.
- for TUNER to stop programming.
- (on the system only) to delete the preset radio station.
- for TAPE to stop playback or recording.
- for DEMO (on the system only) to activate/ deactivate the demonstration.
- for CLOCK to exit clock setting or cancel timer.
- for PLUG & PLAY... (on the system only) to exit plug & play mode.

PREV / NEXT (PRESET)

- for CD to skip to the beginning of the current, previous, or next track.
- for TUNER to select a preset radio station.
- for TAPE to select tape side (back or front).
- for CLOCK to set the minute.

- ⑬ **CD OPEN•CLOSE (CD 1/CD 2/CD 3) **
 - to open or close the individual disc tray : CD 1, CD 2 or CD 3

⑭ DISC TRAYS

⑮ DISPLAY SCREEN

- to view the current status of the system.

⑯ MUTE

- to interrupt or resume sound reproduction.

⑰ CD DIRECT 1/2/3

- to select a disc tray for playback.

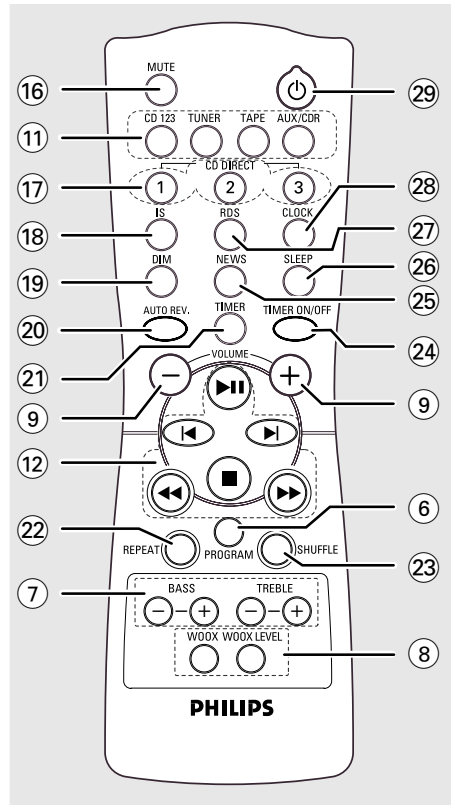
⑱ IS (INCREDIBLE SURROUND)

- to activate or deactivate the surround sound effect.



Controls

- ⑲ **DIM**
 - to select various dim mode : DIM 1, DIM 2, DIM 3 or DIM OFF.
- ⑳ **AUTO REV. (AUTO REVERSE)**
 - to select the desired tape playback modes.
- ㉑ **TIMER**
 - to display timer or set the timer.
- ㉒ **REPEAT**
 - to playback track(s)/disc(s)/programme repeatedly.
- ㉓ **SHUFFLE**
 - to playback all available discs and their tracks/programme in random order.
- ㉔ **TIMER ON/OFF**
 - to activate or deactivate the timer function.
- ㉕ **NEWS**
 - to hear News automatically.
- ㉖ **SLEEP**
 - to activate, deactivate or set the sleep timer function.
- ㉗ **RDS**
 - to select RDS information.
- ㉘ **CLOCK**
 - to display clock or set the clock.
- ㉙ **⏻**
 - to switch the system to Standby mode or Eco Power Standby mode.

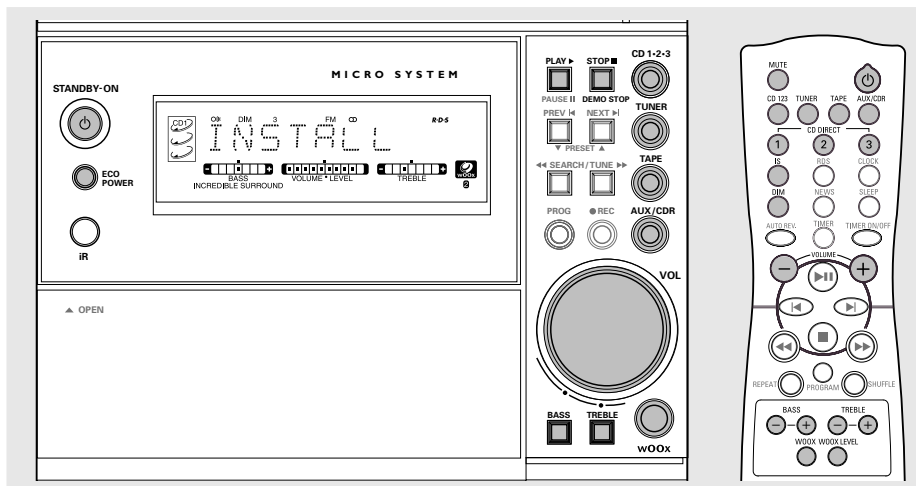


English

Notes for remote control:

- First, select the source you wish to control by pressing one of the source select keys on the remote control (CD 123 or TUNER, for example).
- Then select the desired function (▶, ◀, ▶|, for example).

Basic Functions



IMPORTANT!

Before operating the system, complete the preparation procedures.

Plug and Play

Plug and Play allows you to store all available RDS stations and radio stations automatically.

If Plug and Play has not been installed

- 1 When you turn on the system, "AUTO INSTALL - PRESS PLAY" will be displayed.
- 2 Press **PLAY ▶ (▶▶)** on the system to start installation.
 - "INSTALL" will be displayed and followed by "TUNER" and then "AUTO".
 - **PROGRAM** will start flashing.
 - The system will search for all RDS stations and then continue with radio stations on FM, MW and LW band respectively. Weak RDS stations may be stored in later presets.
 - All available RDS and radio stations with sufficient signal strength will be stored automatically.
 - The system will stop searching when all the available radio stations are stored or when the memory for 40 preset radio stations is used.
 - The last preset radio station or the first available RDS station will play when Plug and Play is completed.

- 3 The system will proceed to set the RDS time automatically with the stored RDS preset station.

- If no RDS station is found in the first preset station;
 - The programme will exit automatically.
- If RDS radio station is found;
 - "INSTALL" will be displayed and followed by "TIME".
- When searching RDS time;
 - "SEARCH RDS TIME" will be displayed.
 - When RDS time is read, "RDS TIME" will be displayed. The current time will be displayed for 2 seconds and stored automatically.
 - If RDS station does not transmit RDS time within 90 seconds, the programme will exit automatically and the display will show "NO RDS TIME".

To reinstall Plug and Play

- 1 In Standby or Demonstration mode, press and hold **PLAY ▶ (▶▶)** on the system until "AUTO INSTALL - PRESS PLAY" is displayed.
- 2 Press **PLAY ▶ (▶▶)** again to start installation.
 - All previously stored radio stations will be replaced.

To exit without storing the Plug and Play

- Press **■** on the system.



Basic Functions

Notes:

- When the power is turned on, the disc tray may open and close to initialise the system.
- If you do not complete Plug and Play installation, Plug and Play will be reinitiated the next time you turn on the power.
- If no stereo frequency is detected during Plug and Play, "CHECK ANTENNA" will be displayed.
- During Plug and Play, if no button is pressed within 15 seconds, the system will exit Plug and Play mode automatically.

Demonstration mode

The system has a demonstration mode that shows the various features offered by the system.

To activate the demonstration

- In Standby mode, press and hold **DEMO STOP** on the system until "DEMO ON" is displayed.
 - The demonstration will begin.

To deactivate the demonstration

- Press and hold **DEMO STOP** on the system until "DEMO OFF" is displayed.
 - The system will switch to Standby mode.

Note:

- Even if you remove the AC power cord and reconnect it to the wall socket, the demonstration will remain off until you activate it again.

Switching the system on

In Standby/Demonstration mode

- Press **STANDBY ON**.
 - The system will switch to the last selected source.
- Press **CD 1•2•3 (CD 123), TUNER, TAPE, AUX/CDR**.
 - The system will switch to the selected source.
- Press any one of the disc **CD OPEN•CLOSE (CD1▲ / CD2▲ / CD 3▲)** button.
 - The system will switch to CD mode.

In Eco Power Standby mode


- Press **ECO POWER**.
 - The system will switch to last selected source.
- Press **CD 123, TUNER, TAPE** or **AUX/CDR** on the remote control.
 - The system will switch to the selected source.

Switching the system to Standby mode


In Demonstration mode

- Press and hold **DEMO STOP** on the system.

In any other source mode (except Eco Power Standby mode)

- Press **STANDBY ON** (or  on the remote control).
 - The clock will appear on the display when the system is in Standby mode.

Switching the system to Eco Power Standby mode (< 1 Watt)

- Press **ECO POWER** (or press and hold  on the remote control).
 - "ECO PWR" will be displayed, then the display screen will go blank.
 - The low power ECO POWER LED will be lighted.

Note:

- If you have not deactivated the demonstration, it will resume five seconds after the system switches to Eco Power Standby or 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 30 minutes after a disc or tape has stopped playing.

Basic Functions

Dim mode

You can select the desired brightness for the display.


- Press **DIM** on the remote control repeatedly to select DIM 1, DIM 2, DIM 3 or DIM OFF display mode.
→ **DIM** and the corresponding mode number will appear on the display, except for DIM OFF mode.

DIM OFF All available LEDs light up, display screen will have full brightness, music level bar active.

DIM 1 Some LEDs light up, display screen will have full brightness, music level bar inactive.

DIM 2 All lightings turn off, display screen will have full brightness, music level bar inactive.

DIM 3 All lightings turn off, display screen will be at half brightness, music level bar inactive.

 ← music level bar

Volume Control

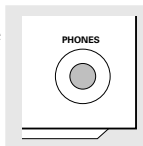
Adjust **VOL** to increase (turn knob clockwise or press **VOLUME +**) or decrease (turn knob anti-clockwise or press **VOLUME -**) the sound level.

→ "- XX dB" will be displayed. "XX" denotes the volume level.

→ When reached the minimum volume level, "VOL MUTE" will be displayed.

To listen through the headphones

- Connect the headphones plug to the **PHONES** socket at the front of the system.
→ The speakers will be muted.



To switch off the volume temporarily

- Press **MUTE** on the remote control.
→ Playback will continue without sound and "MUTE" will be displayed.
- To restore the volume, press **MUTE** again or increase the volume level.

Interactive Sound Control

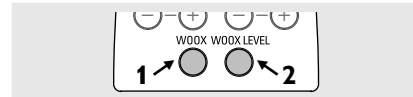
For optimal sound listening, you are only able to select BASS/TREBLE or wOOx at a time (for model MC-70 only).

wOOx (for model MC-70 only)

There are three wOOx settings to enhance the bass response.

- Press **wOOx** on the system repeatedly to select the next wOOx level or switch off the wOOx effect.

OR



- 1 Press **wOOx** on the remote control to switch ON (enhanced) or OFF (normal) the wOOx sound effect.
- 2 When wOOx is switched on, press **wOOx LEVEL** on the remote control repeatedly to select the desired wOOx level : WOOX 1, WOOX 2, WOOX 3 or WOOX OFF.

→ If "WOOX 1, 2 or 3" is selected, **wOOx** and the corresponding level number will appear on the display.

→ If "WOOX OFF" is selected, the wOOx sound effect will be switched off.



Notes:

- When switched off the wOOx effect, the last Bass/Treble will resume automatically.
- Some discs or tapes might be recorded in high modulation, which causes a distortion at high volume. If this occurs, deactivate wOOx or reduce the volume.



Basic Functions

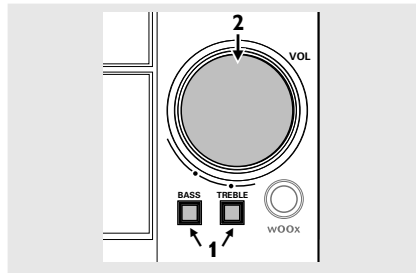
English

Bass/Treble

The BASS (low tone) and TREBLE (high tone) feature enables you to define the sound-processor settings.

- Press **BASS + / -** or **TREBLE + / -** on the remote control repeatedly to select the next Bass or Treble level.

OR



- 1 Press **BASS** or **TREBLE** on the system to select Bass or Treble sound feature.
- 2 Adjust the **VOL** on the system to select the desired Bass or Treble level.
→ "BASS XX" or "TREB XX" will be displayed. "XX" denotes the level as follows :
MIN → -2 ... → 0 → 1 ... → +2 → MAX ...



Notes:

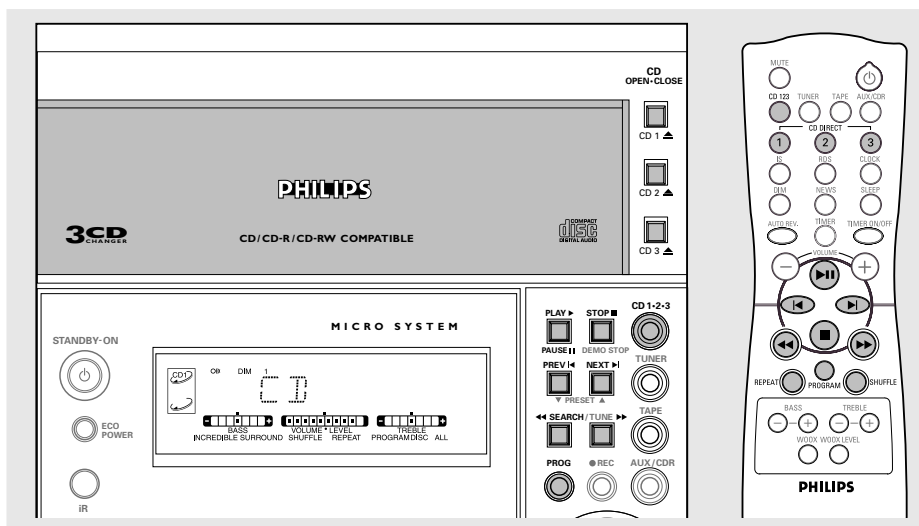
- The volume knob can be used to adjust Bass/ Treble level immediately after you have selected the respective Bass/Treble sound feature. If the volume knob is not used within 5 seconds, it will become normal volume control function.
- The Bass/Treble mode will exit automatically if WOOx feature selected (for model MC-70 only).

IS (Incredible Surround)

The Incredible Surround magnifies the virtual distance between the front speakers for an incredibly wide, enveloping, stereo effect.

- Press **IS** on the remote control repeatedly to activate/deactivate the surround sound effect.
→ If activated, **INCREDIBLE SURROUND** will appear on the display and "INCR SURROUND" will be displayed.
→ If deactivated, "IS OFF" will be displayed.

CD Operation



IMPORTANT!

- This system is designed for regular discs. Therefore, do not use any accessories such as disc stabiliser rings or disc treatment sheets, etc., as offered on the market, because they may jam the changer mechanism.
- Do not load more than one disc into each tray.

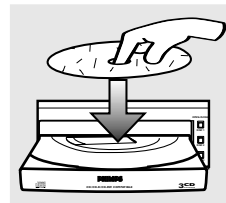
Discs for Playback

This system can playback all digital audio CD, finalised digital audio CD-Recordable (CDR) discs and finalised digital audio CD-Rewritable (CDRW) discs.



Loading Disc

- 1 Press **CD 1•2•3 (CD 123)** to select CD mode.
- 2 Press one of the disc **CD OPEN•CLOSE** button (**CD1▲ / CD2▲ / CD3▲**)



to open the desired disc tray.

→ The selected disc tray slides out.

- 3 Load a disc with the label side facing up.
- 4 Press again the corresponding button to close the disc tray.
→ "READING" will be displayed. The selected disc tray, total number of tracks and the playing time will appear on the display.

To select a desired disc tray

- Press **CD 1•2•3** (or **CD 123** on the remote control) repeatedly.
→ "DISC 1", "DISC 2" or "DISC 3" will be displayed.

Notes:

- To ensure good system performance, wait until the disc trays completely read the disc(s) before proceeding.
- The CD changer is only able to read the status of the current selected disc tray.



CD Operation

Disc Playback

	a disc is loaded in the disc tray
	the current selected disc tray is empty
	the current selected disc tray is loaded
	the disc tray is currently playing

To play all discs on the disc trays

- Press **PLAY ▶ (▶II)**.
 - All the available discs will play once, then stop.
 - During playback, the selected disc tray, track number and elapsed playing time of the current track will appear on the display.

To play one disc only

- Press one of the **CD DIRECT 1/2/3** buttons on the remote control.
 - The selected disc will play once, then stop.

To interrupt playback

- Press **PAUSE II (▶II)**.
 - The current track time flashing.
- To resume playback, press **PLAY ▶ (▶II)** again.

To stop playback

- Press **■**.

To search for a particular passage during playback

- Press and hold **◀◀** or **▶▶** and release it when the desired passage is located.
 - During searching, the volume will be reduced.

To select a desired track

- Press **◀** or **▶** repeatedly until the desired track appears on the display.
- If playback is stopped, press **PLAY ▶ (▶II)** to start playback.

Note:

- In *Shuffle mode*, pressing **◀** will cause the player to skip only to the beginning of the current track.

To skip to the beginning of the current track during playback

- Press **◀ once**.

To replace disc during playback

You are able to replace or load in disc into the other two disc trays without interrupting current playback.

- While playback, press the **CD OPEN•CLOSE** button of the inactive disc tray (refer to "Loading Disc").
- If you press **CD OPEN•CLOSE** button of the active disc tray, the disc will stop playing and the disc tray will slide out.
 - Once the disc tray is opened, it will be deselected.

Programming the disc tracks

Programming tracks is possible when playback is stopped. Up to 40 tracks can be stored in the memory in any order.

- 1 Load the desired discs on the disc trays (refer to "Loading Disc").
- 2 Press **PROG** to start programming.
 - **PROGRAM** will start flashing.
- 3 Press **CD 1•2•3** or **CD DIRECT 1/2/3** button to select a disc.
- 4 Press **◀** or **▶** repeatedly to select the desired track.
- 5 Press **PROG** to store the track.
 - Repeat **steps 3–5** to store other discs and tracks.
- 6 Press **PLAY ▶ (▶II)** to start programme playback.
 - "PLAY PROGRAM" will be displayed.
- To end programming without starting playback, press **■ once**.
 - The total number of tracks programmed and the total playing time will appear on the display.

Notes:

- If the total playing time is more than "99:59" or if one of the programmed tracks has a number greater than 30, then "-- : --" will appear on the display instead of the total playing time.
- If you attempt to programme more than 40 tracks, "PROGRAM FULL" will be displayed.
- If you press any of the **CD DIRECT 1/2/3** buttons on the remote control, the system will play the selected disc or track, and the stored programme will be ignored temporarily. The **PROGRAM** symbol also will disappear temporarily from the display. It will reappear when playback of the selected disc ends.

CD Operation

– During programming, if no key is pressed within 20 seconds, the system will exit the Programme mode automatically.

To review the programme

- Stop playback and press ◀ or ▶ repeatedly.
- To exit review mode, press ■.

To erase the entire programme

- Press ■ **once** when playback is stopped or **twice** during playback.
 - "PROGRAM CLEARED" will be displayed.
 - PROGRAM will disappear from the display.

Note:

– The programme will be erased when the system is disconnected from the power supply or when the disc tray is opened.

Repeat

The current track, a disc, all available discs or all programmed tracks can be played repeatedly.

- 1 Press **REPEAT** on the remote control repeatedly to select various repeat modes.
 - **In normal playback**
 - "TRACK" – to repeat the current track, **REPEAT** will appear on the display.
 - "DISC" – to repeat the entire disc, **REPEAT** and **DISC** will appear on the display.
 - "ALL DISC" – to repeat all available discs, **REPEAT**, **DISC** and **ALL** will appear on the display.
 - **In programme playback**
 - "TRACK" – to repeat the current programmed track, **REPEAT** and **PROGRAM** will appear on the display.
 - "PROGRAM" – to repeat all programmed tracks, **REPEAT**, **PROGRAM**, **DISC** and **ALL** will appear on the display.
- The selected track/disc(s)/programme will now be played repeatedly until you press ■.
- 2 To resume normal playback, press **REPEAT** until the "OFF" mode is displayed.
 - **REPEAT** will disappear from the display.

Notes:

– Selecting **SHUFFLE** during repeat playback will cancel all repeat modes.
 – Pressing any CD OPEN•CLOSE button will cancel all repeat modes.

Shuffle

All the available discs and their tracks or all the programmed tracks can be played in random order:

- 1 Press **SHUFFLE** on the remote control.
 - **SHUFFLE** will appear on the display.
- The discs and the tracks will be played in random order until you press ■.
- 2 To resume normal playback, press **SHUFFLE** again.
 - **SHUFFLE** will disappear from the display.

When select REPEAT mode during shuffling

- **In normal shuffled playback**
 - "TRACK" – to repeat shuffling the current track.
 - "ALL DISC" – to repeat shuffling all available discs.
- **In programme shuffled playback**
 - "TRACK" – to repeat shuffling the current programmed track.
 - "PROGRAM" – to repeat shuffling all programmed tracks.

Note:

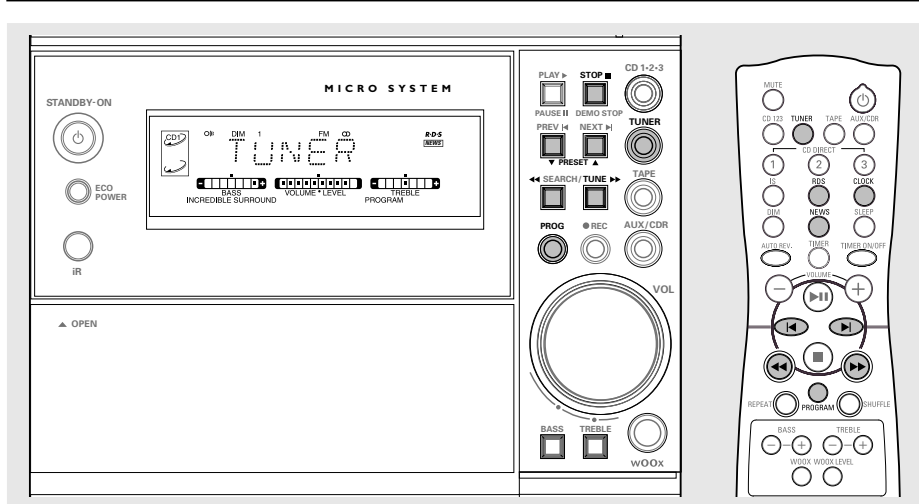
– Pressing any CD OPEN•CLOSE button will cancel shuffle mode.

For Recording, please refer to "Tape Operation/Recording".



Radio Reception

English



Storing Preset Radio Stations

You can store up to 40 preset radio stations in the memory.

Automatic Preset Programming

- Plug and Play setting (refer to "Basic Functions - Plug and Play").
OR
- 1 Press **TUNER** to select TUNER mode.
 - "TUNER" will be displayed. A few seconds later, the current radio frequency will appear on the display.
 - If an FM station is received in stereo, will appear on the display.
- To begin automatic preset from a desired preset number**
- Press or to select the desired preset number.
 - If a radio station has been stored in one of the presets, it will not be stored again under another preset number.
- 2 Press and hold **PROG** until "AUTO" appears on the display.
 - **PROGRAM** will start flashing.
 - The system will search for all RDS stations and then continue with radio stations on FM, MW and LW band respectively.
 - All available radio stations with sufficient signal strength will be stored automatically.
 - The system will stop searching when all the available radio stations are stored or when the memory for 40 preset radio stations is used.

→ The last preset radio station or the first available RDS station will then be played when completed.

To stop storing the automatic preset

- Press **PROG** or on the system.

Note:

– If no preset number is selected, automatic preset will begin from preset (1) and all your former presets will be overridden.

Manual Preset Programming

- 1 Press **TUNER** repeatedly to select the desired waveband : FM, MW or LW.
- 2 Press **PROG**.
 - **PROGRAM** will start flashing.
 - The next available preset number will be displayed for selection.
- 3 Press and hold or until the frequency indication starts to change, then release.
 - The display will show "SEARCH" until a radio station with sufficient signal strength is found.
- To store the radio station to another preset number**
- Press or to select the desired preset number.
- 4 Press **PROG** again to store the radio station.
 - **PROGRAM** will disappear from the display.
- Repeat **steps 2–4** to store other preset radio stations.

Radio Reception

- **Tuning to a weak radio station**
● Press ◀ or ▶ briefly and repeatedly until the optimal reception is found.

To stop storing the manual preset

- Press ■ on the system.

Notes:

- If you attempt to store more than 40 preset radio stations, "PROGRAM FULL" will be displayed.
- During programming, if no key is pressed within 20 seconds, the system will exit the Programme mode automatically.

Tuning to Preset Radio Stations

- Once you've preset the radio stations, press ◀ or ▶ to select the desired preset number.
→ The preset number, radio frequency, and waveband will appear on the display.

Erasing a Preset Radio Station

- 1 Press ◀ or ▶ to select the preset radio station to be erased.
 - 2 Press and hold ■ on the system until "PRESET DELETED" appears on the display.
→ The radio frequency remain on the display.
→ The preset numbers of all other preset radio stations in the band with higher numbers are also decreased by one.
- Repeat **steps 1–2** to erase other preset radio stations.

For Recording, please refer to "Tape Operation/Recording".

RDS

RDS (Radio Data System) is a broadcasting service that allows FM stations to send additional information along with the regular FM radio signal. This additional information can contain:

STATION NAME: The radio station name is displayed.

PROGRAMME TYPE: The following programme types exist and can be received by your tuner: News, Affairs, Info, Sport, Educate, Drama, Culture, Science, Varied, Pop M, Rock M, M.O.R. (middle of the road music), Light M, Classics, Other M, No type.

RADIO TEXT (RT): text messages appear on the display.

Receiving RDS Radio Station

- Tuned to a radio station from FM band.
→ If the radio station transmitting RDS signal, the RDS logo (**RDS**) and the radio station name will appear on the display.

To check the RDS information

- Press **RDS** on the remote control repeatedly to scroll through the following information (if available): STATION NAME → PROGRAMME TYPE → RADIO TEXT → TUNED FREQUENCY → STATION NAME

Notes:

- If the tuned radio station does not transmit RDS signal or is a non RDS station, "NO RDS" will be displayed.
- If the RDS text message is not available at the RDS station, "NO RDS TEXT" will be displayed.

RDS Time

Some RDS station may be transmitting a real clock time at an interval of every minute.

Setting the RDS time

- 1 Press and hold **CLOCK** on the remote control.
→ "00:00" or current time starts flashing.
- 2 Press **RDS** on the remote control.
→ "SEARCH RDS TIME" will be displayed.
→ When RDS time is read, "RDS TIME" will be displayed. The current time will be displayed for 2 seconds and stored automatically.
→ If the RDS station does not transmit RDS time within 90 seconds, "NO RDS TIME" will be displayed.



Radio Reception

Note:

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

NEWS (only available in RDS radio station)

Once the News PTY (Programme Type) is detected in a RDS station, it will switch to TUNER mode automatically.

IMPORTANT!

You can activate NEWS function in Standby, Demonstration or any source mode except Tuner and Eco Power Standby mode.

To cancel NEWS function

- Press **NEWS** again or press **TUNER** to select tuner mode.
- During news bulletin, press any other available source keys to execute the relevant source mode.

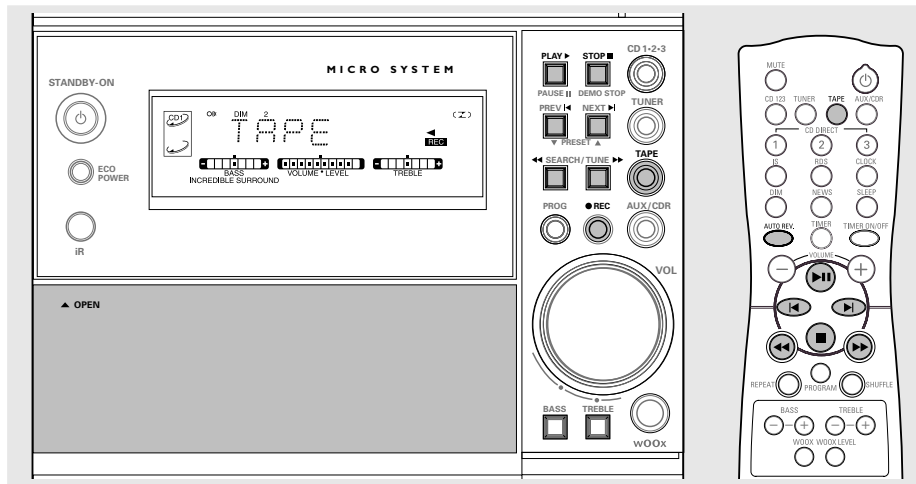
To start NEWS function

- 1 Press **NEWS** on the remote control.
 - "NEWS" and NEWS logo (**NEWS**) will appear on the display.
 - It will scan the radio stations stored in the first 5 preset and wait for the News Programme Type data to be available in any of these RDS radio stations.
- If no RDS station is detected in the first 5 presets, the system will exit NEWS function.
 - "NO RDS NEWS" will be displayed and **NEWS** will disappear from the display.
- 2 When NEWS transmission is detected, the system will switch to Tuner mode automatically.
 - **NEWS** will start flashing.
- At the end of news bulletin, the system will switch to the last selected source and resume its last operation (for example, before detecting the transmission, the system is playing track 5 of disc 1, it will resume playback from the same position).

Notes:

- You have to exit Tuner mode before selecting NEWS function.
- While searching NEWS in progress, the current source activity will remain uninterrupted.
- Before you activate the NEWS feature, ensure that the first 5 presets have RDS stations.
- The NEWS works only once for each activation.
- The NEWS will not start if a recording is in progress.

Tape Operation/Recording



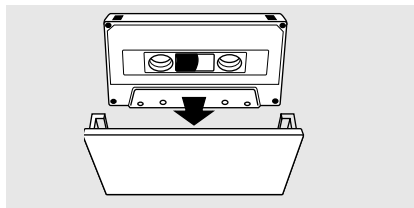
IMPORTANT!

- Before playing a tape, check and tighten slack tape with a pencil. Slack tape may get jammed or may burst in the mechanism.
- C-120 tape is extremely thin and is easily deformed or damaged. It is not recommended for use in this system.
- Store the tapes at room temperature and do not put them too close to a magnetic field (for example, a transformer, TV or speaker).

Tape Playback

- 1 Press **TAPE** to select tape mode.
- 2 Press **▲ OPEN** to open the tape deck door.
- 3 Insert a recorded tape and close the tape door:

 - Load the tape with the open side down and the full spool to the left.



- 4 Press **PLAY ▶ (▶ II)** to start playback.
→ "TAPE" with playback direction indicator will appear on the display.

To stop playback

- Press **■**.

To change the playback side

- Press **◀** or **▶**.
→ The **◀** (BACK) or **▶** (FRONT) appear on the display, depending on the tape side selected.

To change the playback mode

- Press **AUTO REV.** on the remote control repeatedly to select the different playback modes.
 - ☰ : playback on one side of the tape only.
 - ☷ : both sides are played once.
 - ☶ : both sides are played repeatedly, up to 10 times each side unless you press **■**.

To rewind or fast forward during playback

- Press and hold **◀◀** or **▶▶** until the desired passage is reached, then release.
→ The tape continues playing.
- The tape will stop automatically at the end of the tape during rewinding or fast forwarding.
→ During searching, the sound is reduced to a low volume.

To rewind or fast forward when playback is stopped

- 1 Press **◀◀** or **▶▶**.
- 2 Press **■** when you reached the desired passage.



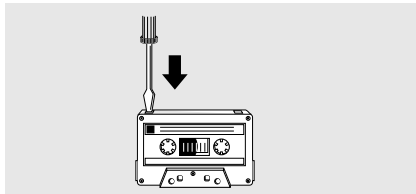
Tape Operation/Recording

Note:

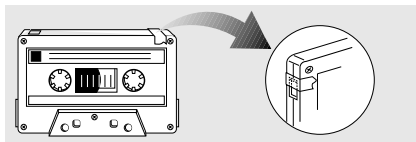
– During rewinding or fast forwarding of a tape, it is also possible to select another source (CD, TUNER or AUX, for example).

General Information on Recording

- For recording, use only tape of IEC type I (normal tape) or IEC type II (CrO₂).
- The recording level is set automatically, regardless of the position of the Volume, Incredible Surround, BASS/TREBLE, and so forth.
- The tape is secured at both ends with leader tape. At the beginning and end of the tape, nothing will be recorded for six to seven seconds.
- To prevent accidental recording, break out the tab on the left shoulder of the tape side you want to protect.



- If "CHECK TAPE" is displayed, the protection tab has been broken. Put a piece of clear adhesive tape over the opening. Do not cover the CrO₂ tape detection hole when covering the tab opening.



IMPORTANT!

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

Preparation for Recording

- 1 Press **TAPE** to select tape mode.
- 2 Load a recordable tape into the tape deck.
- 3 Press **◀** or **▶** to select the recording tape side.
→ **◀** appears on the display for the reverse side.
→ **▶** appears on the display for the forward side.
- 4 Press **AUTO REV.** on the remote control repeatedly to select a recording mode.
→ **↔** for recording on one side only.
→ **↔↔** for recording on both sides.
- 5 Prepare the source to be recorded.
CD 1•2•3 – load the disc(s).
TUNER – tune to the desired radio station.
AUX – connect external equipment.

When recording is in progress

- **REC** starts flashing.
- It is not possible to change tape side.
- It is not possible to listen to another source.
- It is not possible to activate the timer function.

One Touch Recording

- 1 Press **CD 1•2•3**, **TUNER** or **AUX** to select the source.
- 2 Start playback of the selected source.
- 3 Press **● REC** to start recording.

To stop recording

- Press **■** on the system.

Note:

– One Touch Recording is not possible in TAPE mode, "SELECT SOURCE" will be displayed.

Tape Operation/Recording

CD Synchro Recording

- 1 Press **CD 1•2•3** to select the disc.
 - Press **◀** 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 Operation - Programming the disc tracks").
- 2 Press **● REC** to start recording.
 - The disc will start playback automatically.

To select another track during recording

- 1 Press **PAUSE II (▶II)** to interrupt recording.
- 2 Press **◀** or **▶** to select the desired track.
- 3 Press **PLAY ▶ (▶II)** to resume recording.

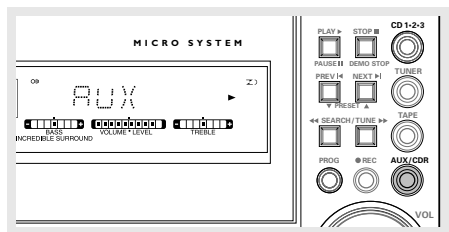
To stop recording

- Press **■**.
 - Recording and disc playback will stop simultaneously.

Digital Recording via Digital Out

For CD digital recording, please refer to the instruction manuals for the CD recorder, digital audio equipment and so forth.

External Sources



Notes:

- You are advised not to listen to and record from the same source simultaneously.
- All the interactive sound control features (IS or BASS/TREBLE, for example) are available for selection.
- Refer to the operating instructions for the connected equipment for details.

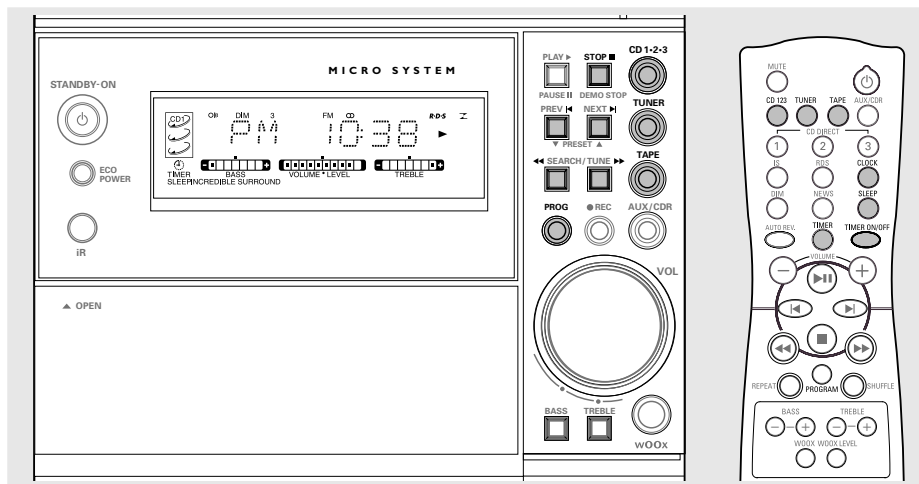
Listening to External Sources

- 1 Connect the audio out terminals of the external equipment (TV/VCR, Laser Disc player, DVD player or CD Recorder) to the AUX/CDR IN terminals of your system.
- 2 Press **AUX/CDR** repeatedly to select CDR mode or normal AUX mode.
 - "CDR" or "AUX" will be displayed.
- If the sound from the external source is distorted, select CDR mode for listening.

For Recording, please refer to "Tape Operation/Recording".



Clock/Timer



English

IMPORTANT!

When in Eco Power Standby mode, it is not possible to operate the clock or timer function.

Clock Setting

The clock can be set in either 12-hour or 24-hour mode ("AM 12:00" or "00:00" for example)

- 1 Press and hold **CLOCK** on the remote control until the time flashing on the display.
- 2 Press **PROG** on the system repeatedly to select clock mode.
 - If 12-hour mode is selected, "AM XX:XX" will start flashing.
 - If 24-hour mode is selected, "XX:XX" will start flashing.
- 3 Press **◀** or **▶** on the system repeatedly to set the hour.
- 4 Press **◀** or **▶** on the system repeatedly to set the minute.
- 5 Press **CLOCK** again to store the setting.
 - The clock will start working.

To exit without storing the setting

- Press **■** on the system.

Notes:

- The clock setting will be cancelled when the power cord is disconnected or if a power failure occurs.
- During clock setting, if no key is pressed within 90 seconds, the system will exit clock setting mode automatically.
- To set the clock automatically through the time information in the RDS signal, refer to "Radio Reception - RDS Time".

Display Clock

The system allows you to select clock display or normal display in any source mode (except Eco Power Standby mode). When in Standby mode, the clock will automatically be displayed.

- Press **CLOCK** on the remote control repeatedly to select clock display or normal display mode.
 - When in clock display mode, clock will be displayed. If the clock has not been set, "- : - : -" will appear on the display.

Note:

- If you pressed any keys during clock display mode, the display will briefly show the information related to the selected mode.



Clock/Timer

Timer Setting

The system can switch on to CD, TUNER, or TAPE mode automatically at a preset time, serving as an alarm to wake you up.

IMPORTANT!

- Before setting the timer, ensure that the clock is set correctly.
- The timer will always be switched on after it has been set.
- The timer will not start if a recording is in progress.
- The volume of the timer will increase gradually from the minimum level to the last tuned volume level.

- 1 Press and hold **TIMER** on the remote control for more than **two seconds**.
 - "AM 12:00" or "00:00" or the last timer setting will start flashing.
 - **TIMER** will start flashing.
 - The selected source will be lighted while other available sources are flashing.
- 2 Press **CD 1•2•3**, **TUNER** or **TAPE** to select the desired source.
 - Before setting the timer, make sure the music source has been prepared.
 - CD 1•2•3** – Load the disc(s). To start from a specific track, make a programme (refer to "CD Operation - Programming the disc tracks").
 - TUNER** – tune to the desired radio station.
 - TAPE** – load a prerecorded tape.
- 3 Press **◀** or **▶** on the system repeatedly to set the hour for the timer to start.
- 4 Press **◀** or **▶** on the system repeatedly to set the minute for the timer to start.
- 5 Press **TIMER** to store the start time.
 - "TIMER ON" will be displayed and followed by the set timer "XX:XX" and then the selected source.
 - **TIMER** will remain on the display.
- At the preset time, the selected source will play.

To exit without storing the setting

- Press **■** on the system.

Notes:

- If CD is the selected source and it is not available when the preset time is reached, Tuner will be selected automatically.
- During timer setting, if no key is pressed within 90 seconds, the system will exit timer setting mode automatically.

To check the TIMER

- Press **TIMER** on the remote control.
 - If the timer has been activated, the set timer information will be displayed.
 - If the timer has been deactivated, "OFF" will be displayed.

To activate/deactivate the TIMER

- Press **TIMER ON/OFF** repeatedly on the remote control.
 - If activated, the last set timer information will be shown for a few seconds and **TIMER** will appear on the display.
 - If deactivated, "OFF" will be displayed.

Sleep Timer Setting

The sleep timer enables the system to switch to Standby mode automatically within a preset amount of time.

- 1 Press **SLEEP** on the remote control repeatedly to select a preset amount of time.
 - The selections are as follows (time in minutes):
15 → 30 → 45 → 60 → OFF → 15 ...
 - "SLEEP XX" or "OFF" will be displayed. "XX" is the time in minutes.
- 2 When you reach the desired length of time, stop pressing the **SLEEP** button.
 - **SLEEP** will appear on the display, except for "OFF" mode.
 - The Sleep Timer is now set. Before the system switches to standby mode, a countdown of 10 seconds will be displayed.
"SLEEP 10" → "SLEEP 9" ... →
"SLEEP 1" → "SLEEP"

While SLEEP mode is activated

To check the remaining length of time

- Press **SLEEP** once.

To change the preset sleep timer

- Press **SLEEP** twice.
 - The display will show the remaining time followed by the sequence of sleep timer options.

To deactivate the Sleep Timer

- Press **SLEEP** repeatedly until "OFF" is displayed, or press the **STANDBY ON** button.



Specifications

English

AMPLIFIER

Output power	
MC-70	2 x 100 W MPO
.....	2 x 50 W RMS ⁽¹⁾
MC-50	2 x 50 W MPO
.....	2 x 25 W RMS ⁽¹⁾
Signal-to-noise ratio	≥ 75 dBA (IEC)
Frequency response	50 – 20000 Hz, –3 dB
Input sensitivity	
AUX In / CDR In	500 mV / 1V
Output	
Speakers	≥ 6 Ω
Headphones	32 Ω – 1000 Ω
Subwoofer Out	1.3 V ±2dB, > 22000 Ω
Digital Out	IEC 958, 44.1 kHz
(1) (6 Ω, 1 kHz, 10% THD)	

CD PLAYER

Number of programmable tracks	40
Frequency response	20 – 20000 Hz
Signal-to-noise ratio	≥ 76 dBA
Channel separation	≥ 79 dB (1 kHz)
Total harmonic distortion	< 0.02% (1 kHz)

TUNER

FM wave range	87.5 – 108 MHz
MW wave range	531 – 1602 kHz
LW wave range	153 – 279 kHz
Number of presets	40
Antenna	
FM	75 Ω wire
AM	Loop antenna

TAPE PLAYER

Frequency response	
CrO ₂ tape (type II)	60 – 15000 Hz (–5 dB)
Normal tape (type I)	60 – 15000 Hz (–5 dB)
Signal-to-noise ratio	
CrO ₂ tape (type II)	≥ 50 dBA
Normal tape (type I)	≥ 47 dBA
Wow and flutter	≤ 0.4% DIN

SPEAKERS

Front left/right

MC-70

System	2 way, Bass reflex
Impedance	6 Ω
wOOx	1 x 5" top firing wOOx driver
Woofer	1 x 5.25" metal cones
Tweeter	1 x 1" Ferrofluid
Dimensions (w x h x d) ..	180 x 264 x 215 (mm)
Weight	2.74 kg each

MC-50

System	2 way, Bass reflex
Impedance	6 Ω
Woofer	1 x 5.25" metal cones
Tweeter	1 x 1" Ferrofluid
Dimensions (w x h x d) ..	180 x 244 x 215 (mm)
Weight	2.62 kg each

GENERAL

Material/finish	Polystyrene/Metal
AC Power	220 – 230 V / 50 Hz
Power Consumption	
Active	
MC-70	80 W
MC-50	66 W
Standby	
MC-70	15 W
MC-50	15 W
Eco Power Standby	
MC-70/MC-50	< 1 W
Dimensions (w x h x d) ..	175 x 244 x 322 (mm)
Weight (without speakers)	
MC-70	5.09 kg
MC-50	5.08 kg

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 wipe in a circular motion.
- Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analogue records.

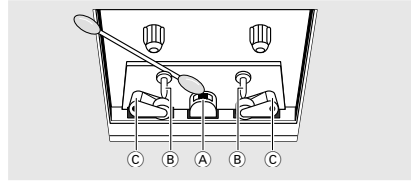


Cleaning the disc lens

- 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 the 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 also can clean the heads by playing a cleaning tape once.



Demagnetising the heads

- Use a demagnetising tape available at your dealer.

Troubleshooting

WARNING

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

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, consult your dealer or service centre.

Problem	Solution
CD OPERATION	
"NO DISC" is displayed.	<ul style="list-style-type: none"> - 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".
"DISC NOT FINALIZED" is displayed.	<ul style="list-style-type: none"> - Use a finalised CD-R(W) or CD-R.



Troubleshooting

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 Mini 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) or IEC type II (CrO₂) tape.
- 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 (▶, ◀, ▶).
- 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 ON/OFF to switch on the timer.
- If a recording is in progress, stop the recording.

Not all lighted buttons are showing light.

- Press DIM to select DIM OFF display mode.

The Clock/Timer setting is erased.

- Power has been interrupted or the power cord has been disconnected. Reset the clock/timer.

The system displays features automatically and buttons start flashing.

- Press and hold DEMO STOP on the system to switch off the demonstration.