



Micro Hi-Fi System



Let's make things better.



PHILIPS



México



Es necesario que lea cuidadosamente su instructivo de manejo.

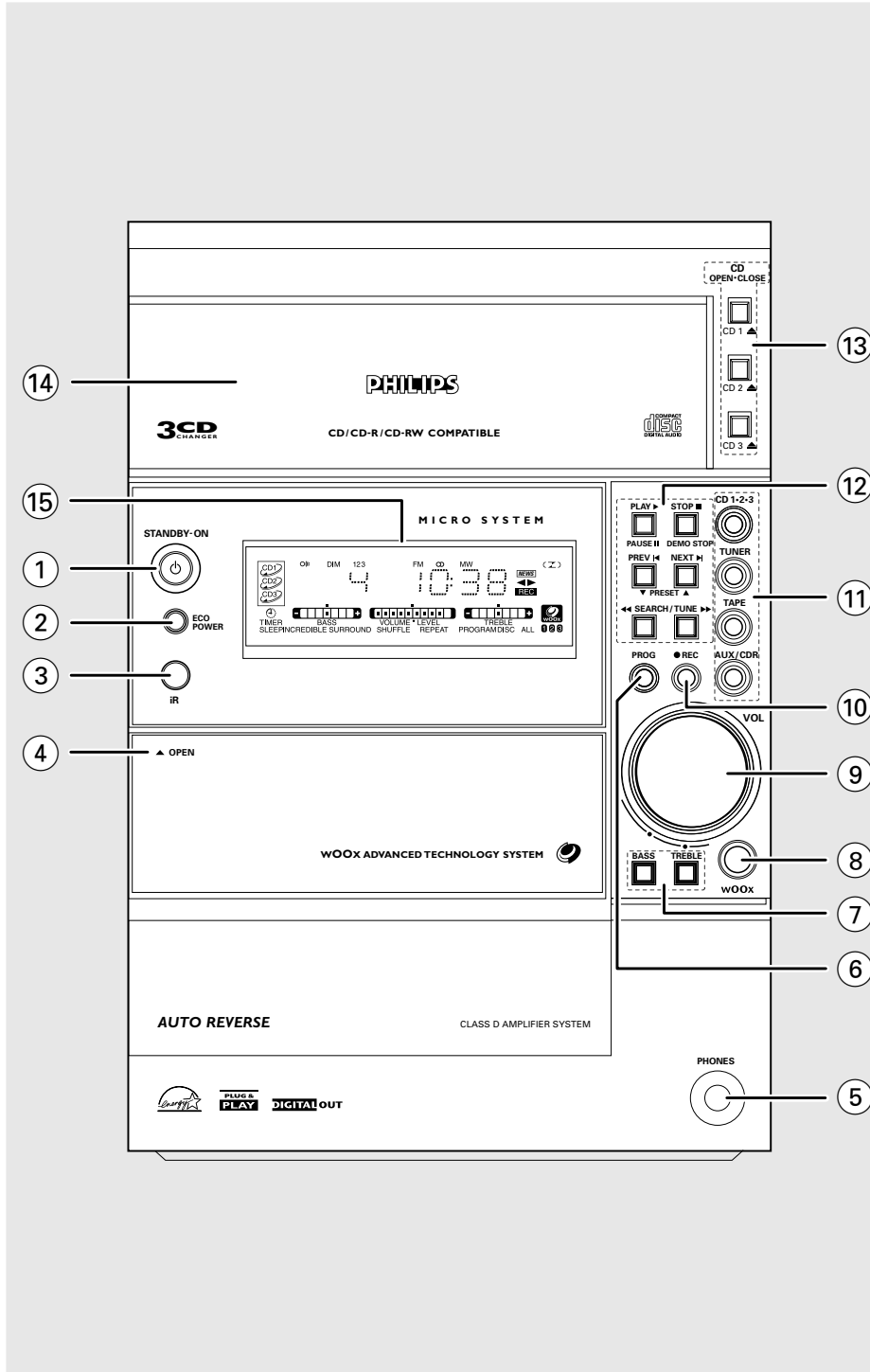
	PRECAUCIÓN - ADVERTENCIA	
	No abrir, riesgo de choque eléctrico	
	ATENCIÓN	
	Verifique que el voltaje de alimentación sea el requerido para su aparato	
Para evitar el riesgo de choque eléctrico, no quite la tapa. En caso de requerir servicio, dirijase al personal calificado.		

Descripción: **Microsistema de Audio**
Modelo : **MC-77/21**
Alimentación: **110-127 / 220-240V~; 50-60 Hz**
Consumo: **43 W**
Importador: **Philips Mexicana, S.A. de C.V.**
Domicilio: **Norte 45, # 669,
Col. Industrial Vallejo
C.P. 02300 México D.F.,
Tel. 5728-4200**
Localidad y Tel: **C.P. 02300 México D.F.,
Tel. 5728-4200**
Exportador: **Philips Electronics HK, Ltd.**
País de Origen: **China**
N° de Serie: _____

**LEA CUIDADOSAMENTE ESTE INSTRUCTIVO
ANTES DE USAR SU APARATO.**

CAUTION

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



3



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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English

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Español

中文





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General Information

IMPORTANT!
PLEASE NOTE THAT THE VOLTAGE SELECTOR LOCATED AT THE REAR OF THIS SYSTEM IS PRESET AT 220V FROM THE FACTORY. FOR COUNTRIES THAT OPERATE AT 110V-127V, PLEASE ADJUST TO 110V-127V BEFORE YOU SWITCH ON THE SYSTEM.

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

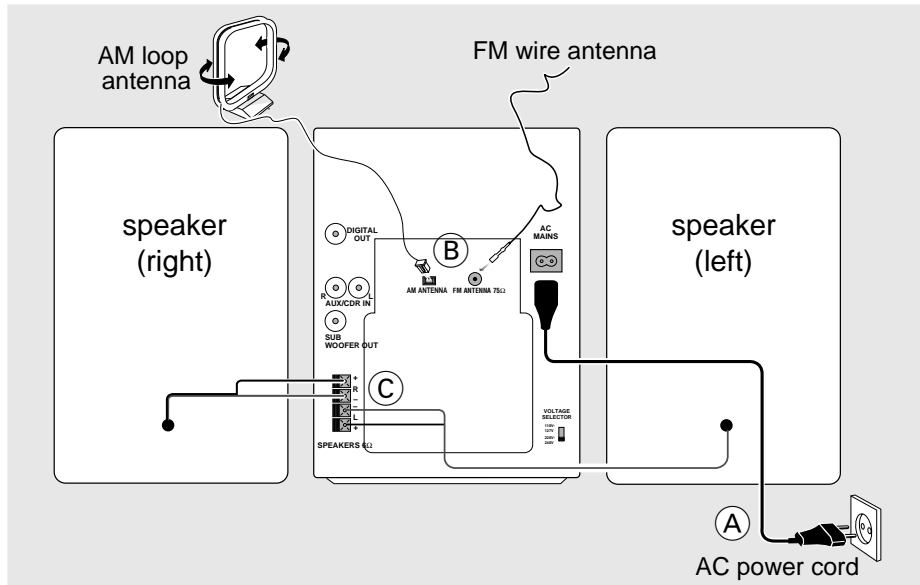
Safety information

- 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.

(A) Power

Before connecting the AC power cord to the wall outlet, ensure that the following are done;

- If your system is equipped with a Voltage Selector; set the VOLTAGE SELECTOR to the local power line voltage.
- All other connections have been made.



WARNING!

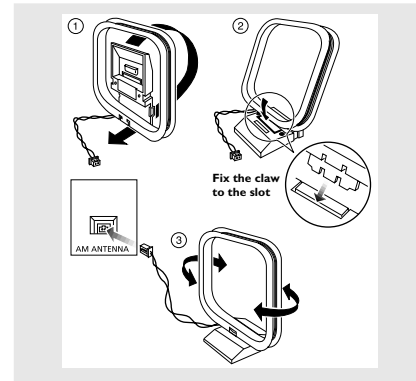
- **For optimal performance, use only the original power cable.**
- **Never make or change connections with the power switched on.**

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.

(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

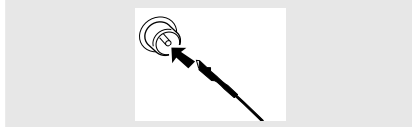


- Position the antenna as far as possible from a TV, VCR or other radiation source.



Preparations

FM Antenna

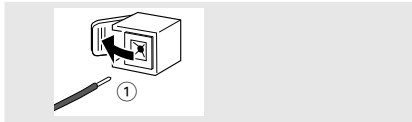


- For better FM stereo reception, connect an outdoor FM antenna to the FM ANTENNA terminal.

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:

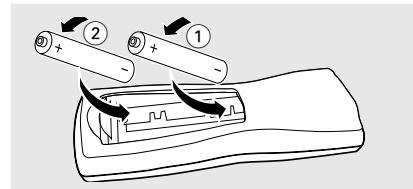
- If you are connecting equipment with a monaural output (a single audio out terminal), connect it to the AUX/CDR IN left terminal. Alternatively, you can use a "single to double" cinch cable (still be monaural sound).

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**
- (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 or MW.

TAPE

- to select tape mode.

AUX / CDR

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

- ⑫ **Mode Selection**

PLAY PAUSE ▶ II

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.

SEARCH / TUNE ◀◀ ▶▶

for CD to search backward/forward.

for TUNER to tune to a lower or higher radio frequency.

for TAPE to rewind or fast forward.

for CLOCK to set the hour.



Controls

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.

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 SLEEP

- to activate, deactivate or set the sleep timer function.

26 SNOOZE

- to temporarily deactivate the wake up timer.

27 CD RESUME

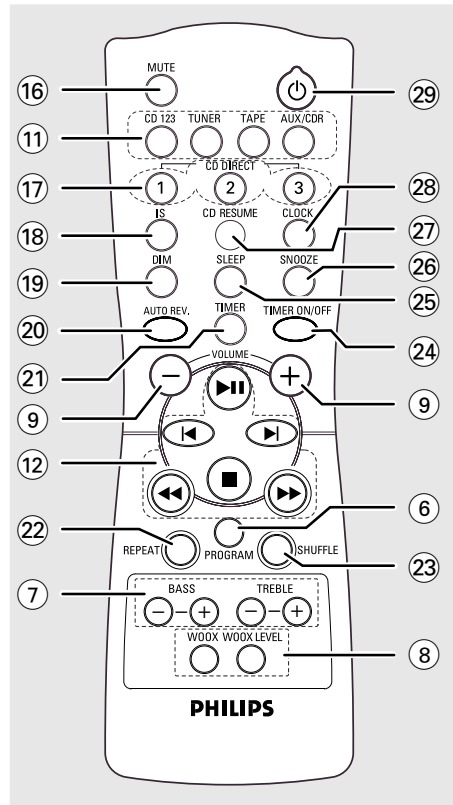
- to continue playback from the last selected track after an interruption (only when the CD source is still in the active mode).
- to resume the last selected CD mode.

28 CLOCK

- to display clock or set the clock.

29

- to switch the system to Eco Power Standby mode.



English

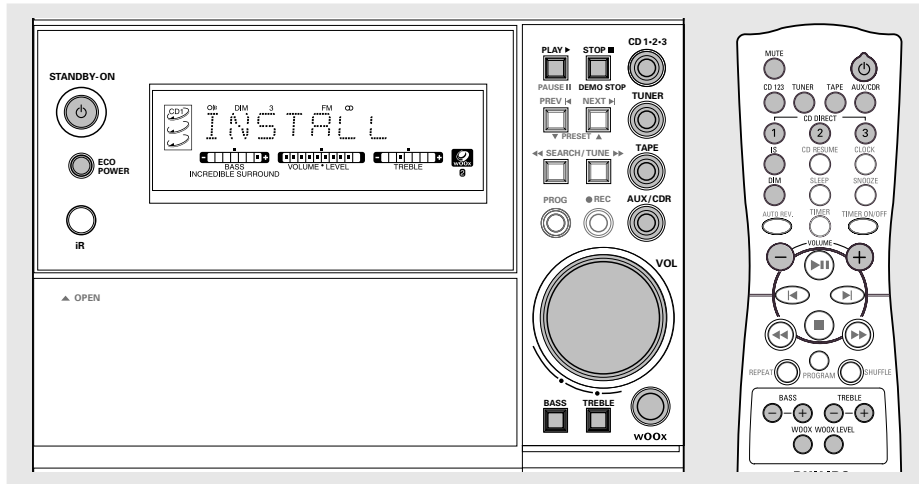
Notes for remote control:

- 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

English



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.

First time setup/power up

- 1 When you turn on the main supply, "AUTO INSTALL - PRESS PLAY" is displayed.
- 2 Press **PLAY ► (▶▶)** on the system to start installation.
 - "INSTALL" is displayed, followed by "TUNER" and "AUTO".
 - **PROGRAM** starts flashing.
 - All available radio stations with sufficient signal strength will be stored automatically, starting from FM and followed by MW band.
 - When all the available radio stations are stored or the memory for 40 presets are used, the last preset radio station will be played.

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.
 - If you do not complete the Plug and Play installation, the function will be restarted when you next turn on the main supply again.

Notes:

- When the power is turned on, the disc tray may open and close to initialise the system.
- If no stereo frequency is detected during Plug and Play, "CHECK ANTENNA" is displayed.
- During Plug and Play, if no button is pressed within 15 seconds, the system will exit Plug and Play mode automatically.



Basic Functions

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.

Switching the system on

In standby/demonstration mode

- Press **STANDBY ON** to switch on the last selected source.
- Press **CD 1•2•3 (CD 123)**, **TUNER**, **TAPE**, **AUX/CDR**.
- 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** to switch on the last selected source.
- Press **CD 123**, **TUNER**, **TAPE** or **AUX/CDR** on the remote control.

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**.
→ 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  on the remote control).
→ "ECO PWR" is 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 OFFAll available LEDs light up, display screen will have full brightness, music level bar active.

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

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

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

 ← music level bar

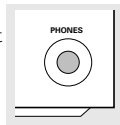
Volume control

Adjust **VOL** to increase (turn knob clockwise or press **VOLUME +**) or decrease (turn knob anti-clockwise or press **VOLUME -**) the sound level.
→ "-XX dB" is displayed. "XX" denotes the volume level.

→ When reached the minimum volume level, "VOL MUTE" is 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" is displayed.
- To restore the volume, press **MUTE** again or increase the volume level.

Interactive sound control

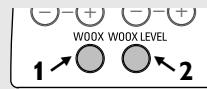
For optimal sound listening, you are only able to select BASS/TREBLE or wOOx at a time.

wOOx

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.
→ 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.



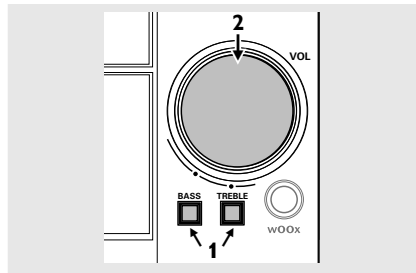
Basic Functions

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" is 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 five seconds, it will become normal volume control function.
- The Bass/Treble mode will exit automatically if wOOx feature selected.

IS (Incredible Surround)

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

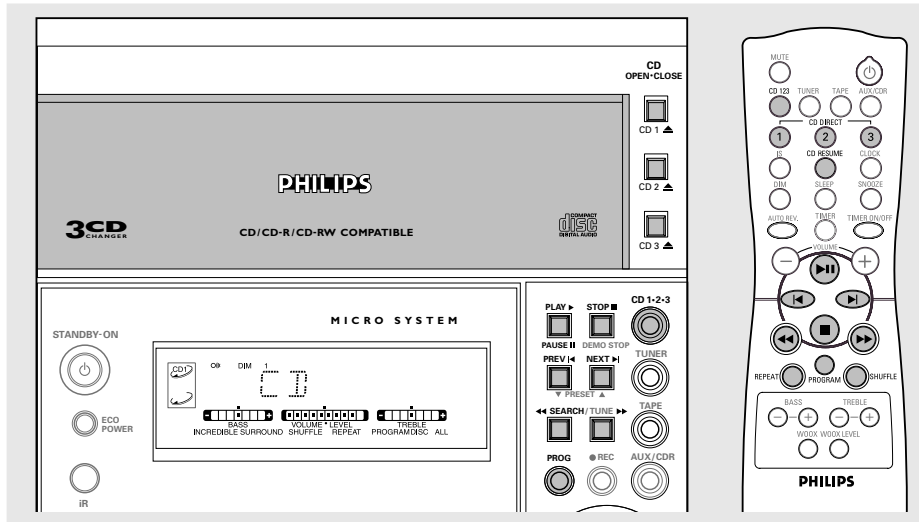
- Press **IS** on the remote control repeatedly to activate/deactivate the surround sound effect.
→ If activated, **INCREDIBLE SURROUND** is shown and "INCR SURROUND" is displayed.
→ If deactivated, "IS OFF" is displayed.

English



CD Operation

English



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.

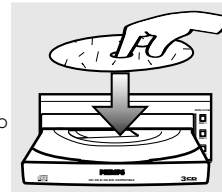
Discs for Playback

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 one of the disc **CD OPEN·CLOSE** button (**CD1▲** / **CD2▲** / **CD3▲**) to open the desired disc tray.
- 2 Load a disc with the label side facing up.
- 3 Press again the corresponding button to close the disc tray.
→ "READING" is 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.

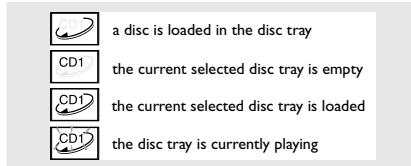
Notes:

- 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

Playing discs



- **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 the selected 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 **■**.

Selecting a desired track/passage

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 is displayed.
- 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 resume playback from the last selected track

- In CD stop mode, press **CD RESUME** on the remote control to start playback again from where you have stopped.

Notes:

- Resume will not be available if you have changed the disc, opened the disc tray or disconnected the system power supply.
- Select **CD RESUME** in any other source mode will only able to resume the last selected CD active mode (for example, CD stop or playback).

Replacing discs 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.

Repeat and Shuffle

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

Repeat play

- 1 Press **REPEAT** on the remote control repeatedly to select :
 - "TRACK" – to repeat playback of the current track.
 - "DISC" – to repeat playback of the current disc.
 - "ALL DISC" or "PROGRAM" – to repeat playback of all available discs or programmed tracks.

CD Operation

- 2** To resume normal playback, press **REPEAT** until "OFF" is displayed.
→ **REPEAT** is shown, except for REPEAT OFF mode.

Random play

- 1** Press **SHUFFLE** on the remote control.
→ **SHUFFLE** is shown and "SHUFFLE" is displayed.
→ All the available discs or programmed tracks (if programme is active) will be played in random order.
- 2** To resume normal playback, press **SHUFFLE** again.
→ **SHUFFLE** disappears.

Notes:

- Selecting **SHUFFLE** during repeat playback will cancel all repeat modes.
- Pressing the **CD OPEN•CLOSE** button will cancel all repeat and shuffling modes.

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** starts 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** To end programming, press **■** once.
→ **PROGRAM** stays and the programme mode remains active.
→ The total number of tracks programmed and the total playing time are displayed.

- 7** Press **PLAY ▶ (▶||)** to start programme playback.
→ "PLAY PROGRAM" is displayed.

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 "-- : --" is displayed instead of the total playing time.
- If you attempt to programme more than 40 tracks, "PROGRAM FULL" is 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.
- 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 **■**.

Erasing the programme

- Press **■** once when playback is stopped or twice during playback.
→ **PROGRAM** disappears and "PROGRAM CLEARED" is displayed.

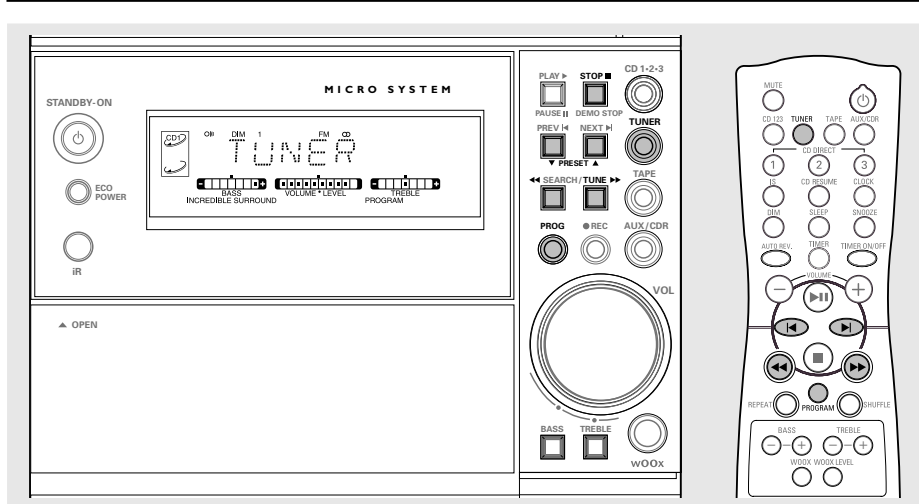
Note:

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

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



Radio Reception



English

Tuning to radio stations

- 1 Press **TUNER** to select TUNER mode.
→ "TUNER" is displayed. A few seconds later, the current radio frequency will appear on the display.
→ If an FM station is received in stereo, ∞ is displayed.
 - 2 Press **TUNER** again to select the desired waveband : FM or MW.
 - 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.
 - 4 Repeat step 3 if necessary until you find the desired radio station.
- To tune to a weak station, press **◀** or **▶** briefly and repeatedly until optimal reception found.

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.
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" is displayed.
→ **PROGRAM** starts flashing.
→ All available radio stations with sufficient signal strength will be stored automatically, starting from FM and followed by MW band.
→ When all the available radio stations are stored or the memory for 40 presets are used, the last preset radio station will be played.



Radio Reception

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 Tune to your desired radio station (refer to "Tuning to radio stations").
- 2 Press **PROG**.
 - **PROGRAM** starts flashing.
 - The next available preset number is displayed for selection.

To store the radio station to another preset number

- Press **◀** or **▶** to select the desired preset number.
- 3 Press **PROG** again to store the radio station.
 - **PROGRAM** disappears.
- Repeat **steps 1–3** to store other radio stations.

To exit manual preset mode

- Press **■** on the system.

Notes:

– If you attempt to store more than 40 preset radio stations, "PROGRAM FULL" is 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 programmed the radio stations, press **◀** or **▶** to select the desired preset number.
 - The preset number, radio frequency, and waveband are displayed.

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" is displayed.
 - The deleted radio frequency remains 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".

Changing Tuning Grid (not available for all versions)

In North and South America, the frequency step between adjacent channels in the MW band is 10 kHz (9 kHz in some areas). The preset frequency step in the factory is 9 kHz.

Changing the tuning grid will erase all previously stored preset radio stations.

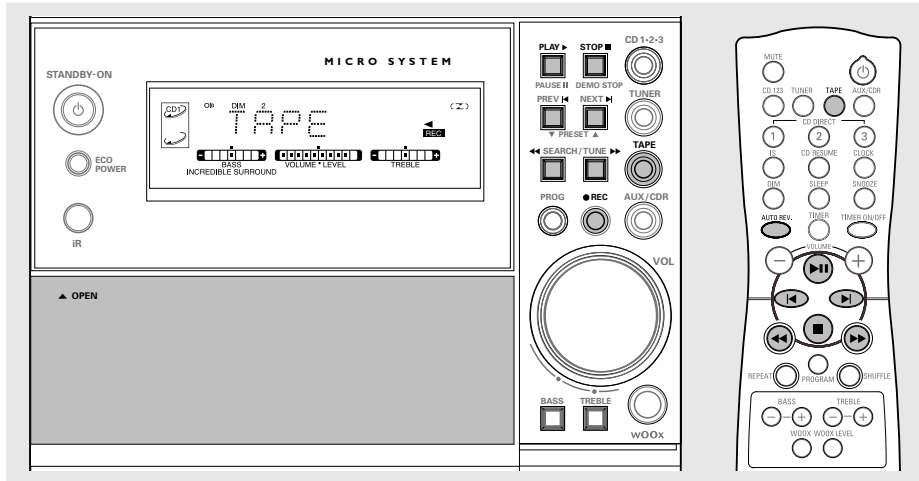
- 1 Disconnect the system from the AC power supply (pull out the AC power cord).
- 2 While holding down **TUNER** and **▶▶** on the system, reconnect the system to the AC power supply.
 - The display will show "GRID 9" or "GRID 10".

Notes:

– GRID 9 and GRID 10 indicate that the tuning grid is in step of 9 kHz and 10 kHz respectively.
 – The FM tuning grid also will be changed from 50 kHz to 100 kHz or vice versa.



Tape Operation/Recording



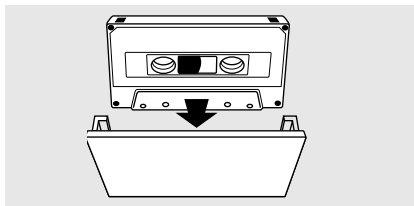
English

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).

Loading tape

- 1 Press **▲ OPEN** to open the tape deck door.



- 2 Load the tape with the open side downward and full spool to the left.
- 3 Close the tape deck door.

Playing tapes

- 1 Press **TAPE** to select tape mode.
- 2 Press **PLAY ▶ (▶▶)** 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) is displayed, 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 **■**.



Tape Operation/Recording

Rewinding / Fast forwarding

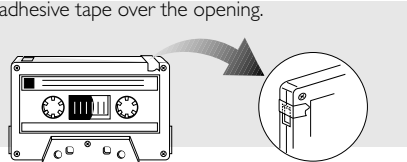
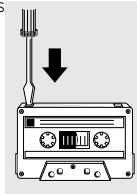
- 1 Stop playback, press ◀ or ▶.
→ The tape will stop automatically at the end of rewinding or fast forwarding.
- 2 Press ■ to stop rewinding or fast forwarding.

Note:

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

General information on recording

- For recording, use only tape of IEC type I (normal tape).
- 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.



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" is displayed.



Tape Operation/Recording

CD Synchronised start 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.

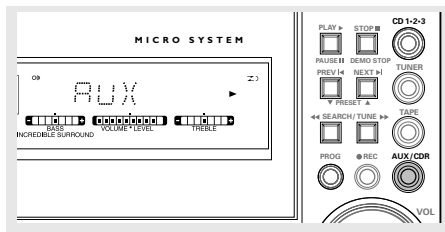
To stop recording

- 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



- If the sound from the external source is distorted, select CDR mode for listening.

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

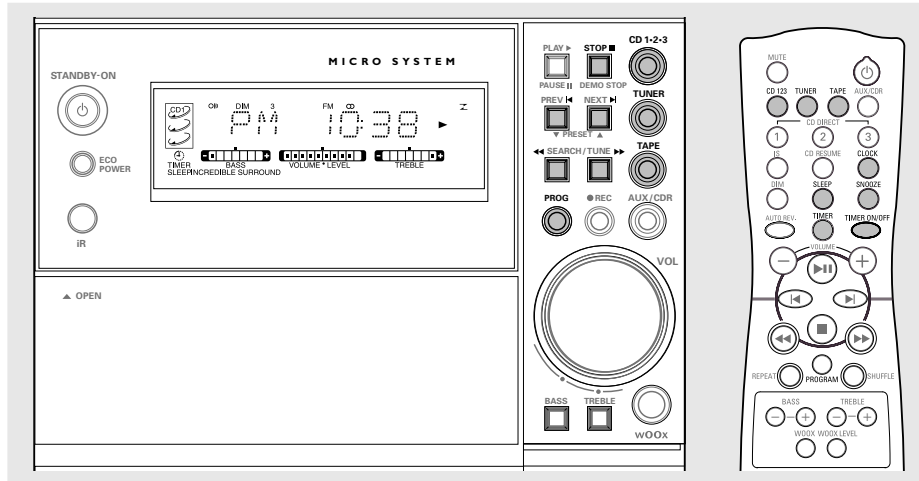
- 1 Connect the audio out terminals of the external equipment (TV, VCR, Laser Disc player, DVD player or CD Recorder) to the **AUX/CDR IN** terminals of your system.
- 2 Press **AUX/CDR** repeatedly to select CDR mode or normal AUX mode.
→ "CDR" or "AUX" is displayed.

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** repeatedly to select clock mode.
→ "AM XX:XX" or "XX:XX" starts flashing.
- 3 Press **◀** or **▶** repeatedly to set the hour.
- 4 Press **◀** or **▶** 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 button is pressed within 90 seconds, the system will exit clock setting mode automatically.

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.
→ If the clock has not been set, "-- : --" is displayed.

Note:

- If you pressed any buttons 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 starts flashing.
 - **TIMER**  starts 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 **▶** repeatedly to set the hour for the timer to start.
 - 4 Press **⏪** or **⏩** repeatedly to set the minute for the timer to start.
 - 5 Press **TIMER** to store the start time.
 - "TIMER ON" is displayed, followed by the set timer "XX:XX" and the selected source.
 - **TIMER**  remains on the display.
- At the preset time, the selected sound 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 button is pressed within 90 seconds, the system will exit timer setting mode automatically.

Checking the timer

- Press **TIMER** on the remote control.
 - If the timer has been activated, the set timer information is displayed.

Activating/deactivating the timer

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

Deactivating the wake up timer (five minutes interval)

- After timer wake up, press **SNOOZE** on the remote control.
 - The system will switch to standby mode for five minutes. After that, it resumes the timer last selected source again.
- To cancel the snooze function, press **SNOOZE** again.

Note:

- You are only able to activate the Snooze function within 30 minutes after timer wake up.



Clock/Timer

Sleep timer setting

The sleep timer enables the system to switch to standby mode automatically at a preset 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" is displayed. "XX" is the time in minutes.
- 2 When you reach the desired length of time, stop pressing the **SLEEP** button.
 - **SLEEP** is shown, except for "OFF" mode.
 - The Sleep Timer is now set. Before the system switches to standby mode, a countdown of 10 seconds is displayed.
"SLEEP 10" → "SLEEP 9" ... →
"SLEEP 1" → "SLEEP"


To check the remaining length of time after sleep timer is activated

- Press **SLEEP** once.

To change the preset sleep timer

- Press **SLEEP** again while the remaining sleep timer is shown.
 - The display will show the next sleep timer options.

To deactivate the sleep timer

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

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 benzine, thinner, commercially available cleaners, or antistatic spray intended for analogue records.

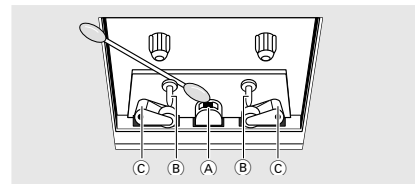


Cleaning the disc lens

- 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 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.



Specifications

English

AMPLIFIER

Output power	2500 W PMPO
.....	2 x 80 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 (9 kHz)	531 – 1602 kHz
MW wave range (10 kHz)	530 – 1700 kHz
Tuning grid	9/10 kHz
Number of presets	40
Antenna	
FM	75 Ω wire
AM	Loop antenna

TAPE PLAYER

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

SPEAKERS

System	2 way, Bass reflex
Impedance	6 Ω
wOOx	1 x 6.5" top firing wOOx driver
Woofer	1 x 5.25" metal cones
Tweeter	1 x 1" Ferrofluid
Dimensions (w x h x d)	205 x 255 x 265 (mm)
Weight	3.50 kg each

GENERAL

Material/finish	ABS/Polystyrene/Metal
AC Power	
For Version /21-21M ..	110 – 127 / 220 – 240 V;
.....	50/60 Hz Switchable
For Version /30	230 – 240 V; 50 Hz
Power Consumption	
Active	43 W
Standby	10 W
Eco Power Standby	< 1 W
Dimensions (w x h x d)	175 x 244 x 329 (mm)
Weight (without speakers)	5.43 kg

Specifications and external appearance are subject to change without notice.



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-RW or CD-R.
RADIO RECEPTION	
Radio reception is poor.	<ul style="list-style-type: none"> – 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.	<ul style="list-style-type: none"> – Clean deck parts, see "Maintenance". – Use only NORMAL (IEC I) tape. – Apply a piece of adhesive tape over the missing tab space.
The tape deck door cannot open.	<ul style="list-style-type: none"> – Remove and reconnect the AC power plug and switch on the system again.



Troubleshooting

GENERAL

The system does not react when buttons are pressed.	<ul style="list-style-type: none"> – Remove and reconnect the AC power plug and switch on the system again.
Sound cannot be heard or is of poor quality.	<ul style="list-style-type: none"> – 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.	<ul style="list-style-type: none"> – Check the speaker connections and location.
The remote control does not function properly.	<ul style="list-style-type: none"> – 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.	<ul style="list-style-type: none"> – 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.	<ul style="list-style-type: none"> – Press DIM to select DIM OFF display mode.
The Clock/Timer setting is erased.	<ul style="list-style-type: none"> – Power has been interrupted or the power cord has been disconnected. Reset the clock/timer.
The system displays features automatically and buttons start flashing.	<ul style="list-style-type: none"> – Press and hold DEMO STOP on the system to switch off the demonstration.