

# Micro Hi-Fi System

MCM240

User manual

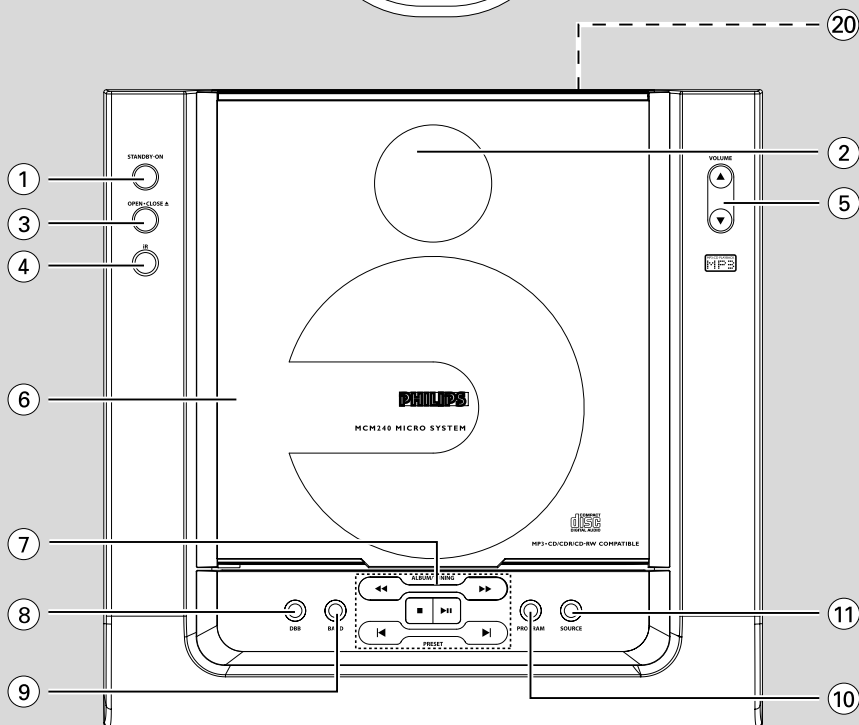
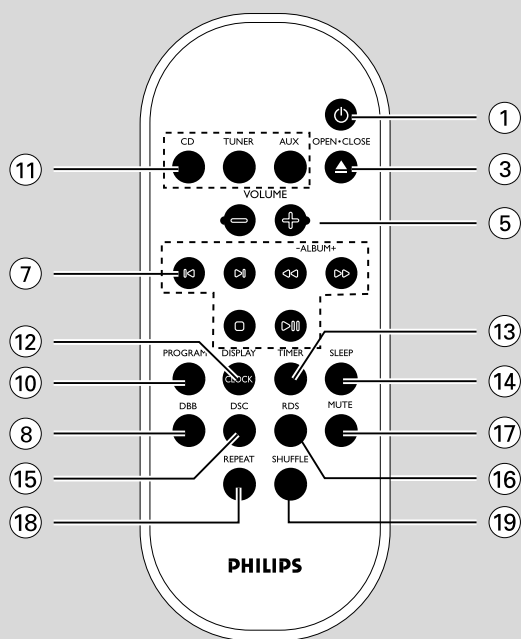
使用说明



# PHILIPS

## **CAUTION**

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





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English

中文

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## Environmental Information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

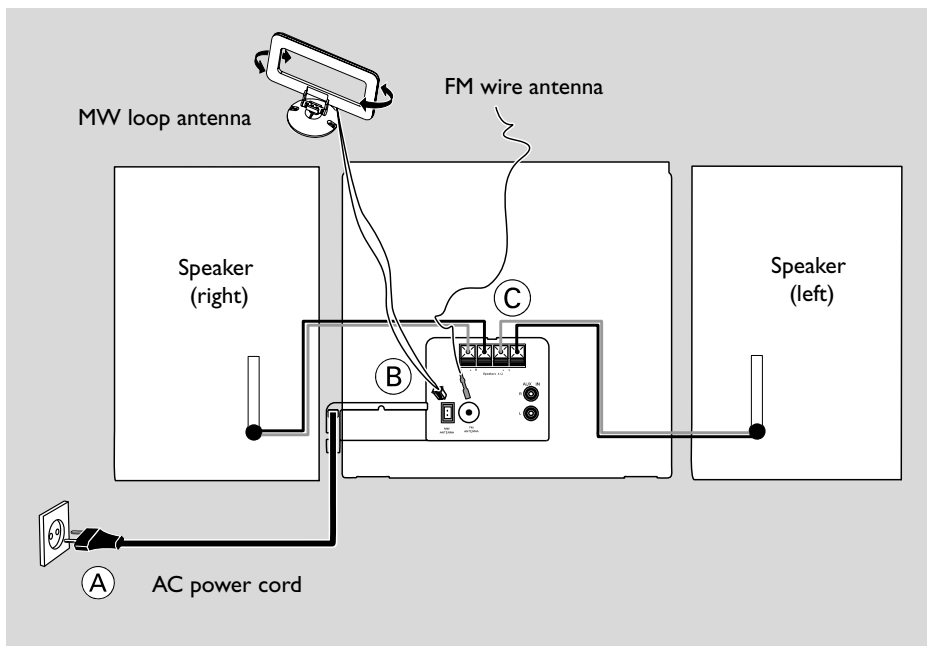
## Supplied accessories

- 2 speaker boxes
- remote control (with battery)
- MW loop antenna
- FM wire antenna
- stand
- screw and plug assembly

## Safety Information

- Before operating the system, check that the operating voltage indicated on the typeplate (or the voltage indication beside the voltage selector) of your system is identical with the voltage of your local power supply. If not, please consult your dealer.
- Place the system on a flat, hard and stable surface.
- Place the system in a location with adequate ventilation to prevent internal heat build-up in your system. Allow at least 10 cm (4 inches) clearance from the rear and the top of the unit and 5 cm (2 inches) from each side.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- Do not expose the system, batteries or discs to excessive moisture, rain, sand or heat sources caused by heating equipment or direct sunlight.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- Install this unit near the AC outlet and where the AC power plug can be reached easily.
- 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



## Rear connections

**The type plate is located at the rear of the system.**

### (A) Power

Before connecting the AC power cord to the wall outlet, ensure that all other connections have been made.

#### **Warning!**

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

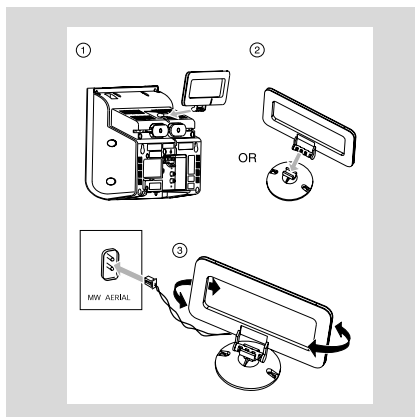
To avoid overheating of the system, a safety circuit has been built in. Therefore, your system may switch to Standby mode automatically under extreme conditions. If this happens, let the system cool down before reusing it (not available for all versions).

### (B) Antennas Connection

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

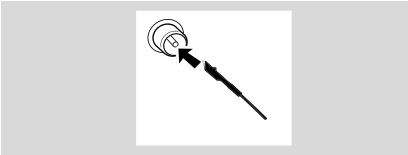
#### **MW Antenna**

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





## FM Antenna

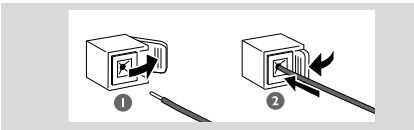


- For better FM stereo reception, connect an outdoor FM antenna to the FM ANTENNA terminal.

## C Speakers Connection

### Front Speakers

Connect the speaker wires to the SPEAKERS terminals, right speaker to "RIGHT" and left speaker to "LEFT", colored (marked) wire to "+" and black (unmarked) wire to "-".



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

#### Notes:

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

## Optional connection

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

### Connecting other equipment to your system

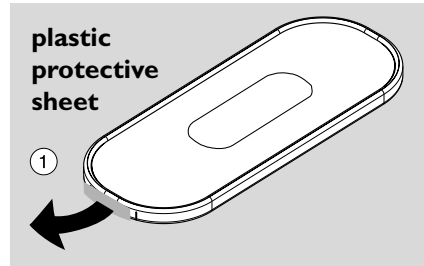
Connect the audio left and right OUT terminals of a TV, VCR, Laser Disc player, DVD player or CD Recorder to the **AUX** terminals.

#### Note:

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

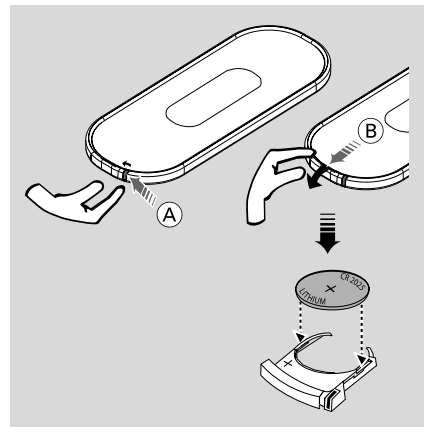
## Before using the remote control

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



## Replacing battery (lithium CR2025) into the remote control

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



#### CAUTION!

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

## Controls on the system and remote control

### ① **STANDBY-ON**

- switches the system on or to standby.

### ② **Display screen**

- shows the status of the system.

### ③ **OPEN • CLOSE**

- opens/closes the CD door.

### ④ **IR**

- remote sensor

### ⑤ **VOLUME** ( / ) (+ / -)

- adjusts the volume level.
- adjusts the hours and minutes for the clock/timer function.

### ⑥ **CD Door**

### ⑦ **Mode Selection**

#### **ALBUM/TUNE/ALBUM -/+ (◀/▶)**

for TUNER .....tunes to a station  
for CD/MP3-CD fast searches back and forward within a track/disc (press and hold).

for MP3-CD .....skips to the beginning of a current/previous/subsequent album.

■ .....stops disc playback or erases a disc programme.

▶ II .....starts or interrupts playback.

#### **PRESET** ( / )

for TUNER .....selects a preset radio station.  
for CD/MP3 -CD skips to the beginning of a current/previous/subsequent track

### ⑧ **DBB (Dynamic Bass Boost)**

- enhances the bass.

### ⑨ **BAND**

- selects a waveband.

### ⑩ **PROGRAM**

for CD/MP3-CD programmes tracks and reviews the programme.  
for TUNER .....programmes tuner stations.

### ⑪ **SOURCE**

- selects the respective sound source for CD/ TUNER/ AUX.

### ⑫ **DISPLAY/CLOCK**

- sets the clock function.
- displays disc information during playback.

### ⑬ **TIMER**

- activates/ deactivates or sets the timer function.

### ⑭ **SLEEP**

- activates/deactivates or selects the sleeper time.

### ⑮ **DSC (Digital Sound Control)**

- selects sound characteristics: ROCK/ JAZZ/ POP/ CLASSIC.

### ⑯ **RDS (not for all versions)**

- for tuner; displays RDS information.

### ⑰ **MUTE**

- interrupts and resumes sound reproduction.

### ⑱ **REPEAT**

- repeats a track/disc programme/entire disc.

### ⑲ **SHUFFLE**

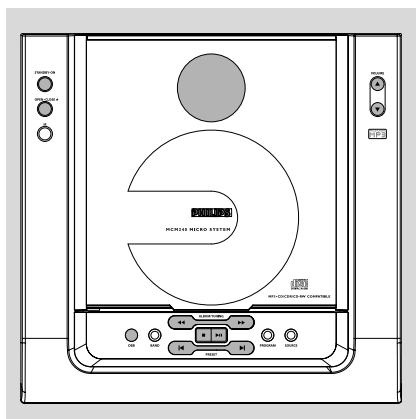
- plays disc tracks in random order.

### ⑳

- connects headphones

#### **Notes for remote control:**



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




## Important!

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

## Switching the system on

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



## Switching the system to Standby mode

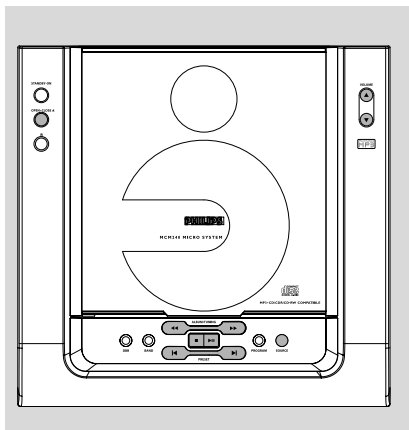
- Press **STANDBY-ON** (or  on the remote).  
→ The backlight for clock display is dim in standby.
- The volume level (up to a maximum volume level of 20), interactive sound settings, last selected mode, source and tuner presets will be retained in the player's memory.

## Power Saving Automatic Standby

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

## Adjusting volume and sound

- 1 Press **VOLUME**  /  (**+/-**) to decrease or increase the volume.  
→ Display shows the volume level VOL and a number from MIN1, 2, ...30, 31 MAX.
  - 2 Press **DSC** repeatedly to select the desired sound effect: **ROCK**/ **JAZZ**/ **POP**/ **CLASSIC**.
  - 3 Press **DBB** to switch bass enhancement on or off.  
→ Display shows: **DBB**.
  - 4 Press **MUTE** on the remote control to interrupt sound reproduction instantly.  
→ Playback will continue without sound and the display shows **MUTE**.
- To activate sound reproduction you can:
    - press **MUTE** again;
    - adjust the volume controls;
    - change source.



## Important!

*The lens of the CD player should never be touched.*

## Loading a disc

This CD player plays Audio Discs including CD Recordables, CD-Rewritables and MP3 CD.

- CD-ROM, CD-I, CDV, VCD, DVD or computer CDs, however, are not possible.
- ① Press **SOURCE** on the front panel of the system to select CD or press **CD** on the remote.
- ② Press **OPEN•CLOSE ▲** to open the CD compartment.  
→ **OPEN** is displayed when the compartment cover slides up.
- ③ Insert a disc with the printed side facing up. Press **OPEN•CLOSE ▲** again to close the compartment.  
→ **READING** is displayed as the CD player scans the contents of a disc, and then the total number of tracks and playing time (or the total number of albums and tracks for MP3 disc) are shown.

## Basic playback controls

### To play a disc

- Press **▶ II** to start playback.  
→ The current track number and elapsed playing time of the track are displayed during disc playback.

### To select a different track

- Press **PRESET ◀ / ▶** (or **◀ / ▶** on the remote) once or repeatedly until the desired track number appears in the display.
- If you have selected a track number shortly after loading a disc or in the **PAUSE** position, you will need to press **▶ II** to start playback.

## Text display during playback

### In CD mode

- Press **DISPLAY** to show the current track number and remaining playback time.

### In MP3-CD mode

- Press **DISPLAY** repeatedly to show the current album and track numbers followed by ID3 information (if available).

### To find a passage within a track

- ① Press and hold down on **ALBUM/TUNE ◀◀ / ▶▶** (or **ALBUM -/+ ◀◀ / ▶▶** on the remote).  
→ The disc is played at high speed and low volume.
- ② When you recognize the passage you want, release **ALBUM/TUNE ◀◀ / ▶▶** (or **ALBUM -/+ ◀◀ / ▶▶** on the remote).  
→ Normal playback continues.

### To interrupt playback

- Press **▶ II** during playback.  
→ The display freezes and the elapsed playing time flashes when playback is interrupted.  
→ To resume, press **▶ II** again.

### To stop playback

- Press **■**.

## Notes:

CD play will also stop when;

- the CD door is opened.
- the disc has reached the end.
- you select another source: TUNER or AUX.
- you select standby.
- the set auto off time arrives.
- no button is pressed within 15 minutes in the CD PAUSE position.

## Playing an MP3 disc

- 1 Load an MP3 disc.  
→ The disc reading time may exceed 10 seconds due to the large number of songs compiled into one disc.  
→ The total number of albums and tracks (titles) are shown.
- 2 Press **ALBUM/TUNE ◀◀/▶▶** (or **ALBUM -/+ ◀◀/▶▶** on the remote) to select a desired album.
- 3 Press **PRESET ◀◀ / ▶▶** (or **◀◀ / ▶▶** on the remote) to select a desired track.  
→ The album number will change accordingly as you reach the first track of an album by pressing **◀◀** or the last track of an album by pressing **▶▶**.
- 4 Press **▶▶** to start playback.

## Supported MP3 disc formats:

- ISO9660, Joliet, UDF 1.5
- Maximum title number: 400 (depending on filename length)
- Maximum album number: 40
- Supported sampling frequencies: 32 kHz, 44.1kHz, 48 kHz
- Supported Bit-rates: 32~256 (kbps), variable bitrates

## Different play modes: SHUFFLE and REPEAT

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

**SHUFFLE** .....tracks of the entire disc are played in random order

**SHUFFLE and REPEAT ALL**

.....to repeat the entire disc continuously in random order

**REPEAT ALL** ...repeats the entire disc/ program  
**REPEAT** .....plays the current track continuously

- 1 To select your play mode, press **SHUFFLE** or **REPEAT** on the remote control before or during playback until the display shows the desired function. (SHUFFLE, REPEAT, REPEAT ALL)
- 2 Press **▶▶** to start playback if in the STOP position.  
→ If you have selected SHUFFLE, playback starts automatically.
- 3 To return to normal playback, press the respective **SHUFFLE** or **REPEAT** button until the various SHUFFLE / REPEAT modes are no longer displayed.
- You can also press **■** to cancel your play mode.

## Programming track numbers

Program in the STOP position to select and store your disc tracks in the desired sequence. If you like, store any track more than once. Up to 40 tracks can be stored in the memory.

- 1 Press **PROGRAM** to enter the programming mode.  
→ A track number is shown and PROGRAM flashes.
- 2 Use **PRESET ◀◀ / ▶▶** (or **◀◀ / ▶▶** on the remote) to select your desired track number.  
→ For MP3 CD, press **ALBUM/TUNE ◀◀/▶▶** (or **ALBUM -/+ ◀◀/▶▶** on the remote) to select your desired album.

# CD/MP3-CD Operation

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- 3 Press **PROGRAM** to confirm the track number to be stored.  
 → **PROG** **⌘** is shown briefly, followed by the number of the track (for MP3-CD, the album and title numbers of the track) you just stored.  
**⌘** denotes the next program number to be stored
- 4 Repeat steps 2-3 to select and store all desired tracks.  
 → **FULL** is displayed if you attempt to program more than 40 tracks.
- 5 To start playback of your disc program, press **STOP** ■ followed by **▶ ||** or press **▶ ||** directly.

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## Reviewing the program

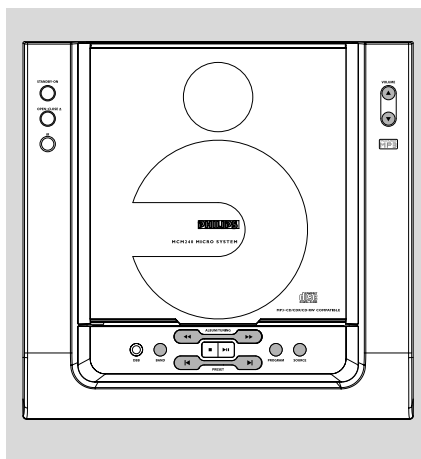
In **STOP** mode, press and hold **PROGRAM** until the display shows all your stored track number in sequence.

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## Erasing the program

You can erase the program by:

- pressing **STOP** ■ once in the **STOP** mode;
- pressing **STOP** ■ twice during playback;
- opening the CD compartment;  
 → **PROGRAM** disappears, **CLEAR** scrolls and then disappears from the display.



## Tuning to radio stations

- 1 Press **SOURCE** on the front panel of the system or **TUNER** on the remote to select **TUNER**.  
→ **TUNER** is displayed briefly.
- 2 Press **BAND** on the front panel of the system once or more to select your waveband (FM/MW).
- 3 Press and hold **ALBUM/TUNE << / >>** (or **ALBUM +/- << / >>** on the remote).  
→ The radio automatically tunes to a station with sufficient reception. Display indication during automatic tuning: **SEARCH**.
- 4 Repeat step 3 if necessary until you find the desired station.
- To tune to a weak station, press **ALBUM/TUNE << / >>** (or **ALBUM +/- << / >>** on the remote) briefly and repeatedly until you have found optimal reception.

## Programming radio stations

You can store up to a total of 40 radio stations in the memory for each band.

### Automatic programming

Automatic programming will start with a chosen preset number. From this preset number upwards, former programmed radio stations will be overridden.

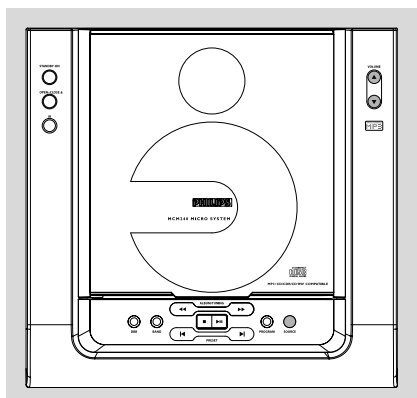
- 1 Press **PRESET < / >** (or **< / >** on the remote) to select the preset number where programming should start.  
**Note:**  
– If no preset number is selected, default is preset (1) and all your presets will be overridden.
- 2 Press **PROGRAM** for more than 2 seconds to activate programming.  
→ **AUTO** is displayed and available stations are programmed in order of waveband reception strength: FM followed by MW. The last preset automatically stored will then be played.

### Manual programming

- 1 Tune to your desired station (see "Tuning to radio stations").
- 2 Press **PROGRAM** to activate programming.
- 3 Press **PRESET < / >** (or **< / >** on the remote) to allocate a number from 1 to 40 to this station.
- 4 Press **PROGRAM** again to confirm the setting.  
→ The preset number and the frequency of the preset station are shown.
- 5 Repeat the above four steps to store other stations.
- You can override a preset station by storing another frequency in its place.

## Tuning to preset radio stations

- Press **PRESET < / >** (or **< / >** on the remote) until the desired preset station is displayed.



In standby mode or system on, press and hold **DISPLAY/CLOCK** on the remote control for more than 3 seconds.

- **SET CLOCK** scrolls on the display.
- The clock digits for the hours flash.










- 2 Press **VOLUME** ( $\blacktriangle$  /  $\blacktriangledown$ ) (+/-) to set the hours.
- 3 Press **DISPLAY/CLOCK** again.  
→ The clock digits for the minutes flash.
- 4 Press **VOLUME** ( $\blacktriangle$  /  $\blacktriangledown$ ) (+/-) to set the minutes.
- 5 Press **DISPLAY/CLOCK** to confirm the time.

- The backlight for clock display is dim in standby.

- Press **DISPLAY/CLOCK**.  
→ The clock time is displayed.

- There is no time display during disc playback.

- The system can be used as an alarm clock, whereby the CD, TUNER is switched on at a set time. The clock time needs to be set first before the timer can be used.
- During setting, if no button is pressed within 30 seconds, the system will exit timer setting mode automatically.

- 1 In standby mode or system on, press and hold **TIMER** on the remote control for more than 3 seconds.  
→ Display sequence scrolls *SET TIMER* and *SELECT SOURCE*.  
→ Display sequence shows *CD*, *TUNER* and  flashes.
- 2 Press **VOLUME** ( / ) (+/-) to select the sound source.
- 3 Press **TIMER** to confirm your desired mode.  
→ The clock digits for the hours flash.
- 4 Press **VOLUME** ( / ) (+/-) to set the hours.
- 5 Press **TIMER** again.  
→ The clock digits for the minutes flash.
- 6 Press **VOLUME** ( / ) (+/-) to set the minutes.
- 7 Press **TIMER** to confirm the time.  
→ Display sequence shows *12.01*.
- 8 Press **VOLUME** ( / ) (+/-) to set the timer volume level.
- 9 Press **TIMER** to confirm.  
→ The timer is now set and activated.

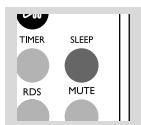
- Press **TIMER** on the remote to turn off the timer or turn on to the last setting again.
  - ➔ If activated, the timer information will display for a few seconds, then the system resumes to the last active source or stays in standby mode.
  - ➔ If deactivated, "OFF" appears.


- The system will exit timer setting mode if no button is pressed within 30 seconds.



## Activating and deactivating SLEEP

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



- Press **SLEEP** on the remote control once or more.  
→ Display shows *SLEEP* and one of the sleep time options in sequence: 90, 60, 45, 30, 15, 0FF, 90... if you have selected a time. Once **SLEEP** is activated, *SLEEP* is display.
- To deactivate, press **SLEEP** on the remote control repeatedly until OFF is shown, or press **STANDBY-ON** (or  on the remote).  
→ 0FF is displayed.

# Specifications

## AMPLIFIER

Output power .....	2 x 5 W RMS
.....	400 W PMPO
Signal-to-noise ratio .....	≥ 62 dBA
Frequency response .....	63 – 16000 Hz, ± 3 dB
Input sensitivity AUX .....	0.5 V (max. 2 V)
Impedance loudspeakers .....	4 Ω
Impedance headphones .....	32 Ω -1000 Ω
.....	<0.5W

## CD PLAYER

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

## TUNER

FM wave range .....	87.5 – 108 MHz
MW wave range .....	531 – 1602 kHz
Sensitivity at 75 Ω	
– mono, 26 dB signal-to-noise ratio .....	2.8 µV
– stereo, 46 dB signal-to-noise ratio .....	61.4 µV
Selectivity .....	≥ 28 dB
Total harmonic distortion .....	≤ 5%
Frequency response .....	63 – 12500 Hz (± 3 dB)
Signal-to-noise-ratio .....	≥ 50 dBA

## SPEAKERS

Bass reflex system	
Dimensions (w x h x d) ....	166 x 245 x 90 (mm)

## GENERAL INFORMATION

AC Power .....	220V / 50 Hz
Dimensions (w x h x d) ....	250 x 245 x 96 (mm)
Weight(with/without speakers) .....	4.4 / 2.5 kg
Standby power consumption .....	<7 W

**Specifications and external appearance are subject to change without notice.**

# Maintenance

## Cleaning the Cabinet

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

## Cleaning Discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out.
- Do not use solvents such as benzene, thinner, commercially available cleaners, or antistatic spray intended for analogue records.



## Cleaning the disc lens

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

## WARNING

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

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

Problem	Solution
<b>"NO DISC" is displayed.</b>	<ul style="list-style-type: none"> <li>✓ Insert a disc.</li> <li>✓ Check if the disc is inserted upside down.</li> <li>✓ Wait until the moisture condensation at the lens has cleared.</li> <li>✓ Replace or clean the disc, see "Maintenance".</li> <li>✓ Use a finalised CD-RW or a correct MP3-CD format disc.</li> </ul>
<b>Radio reception is poor.</b>	<ul style="list-style-type: none"> <li>✓ If the signal is too weak, adjust the antenna or connect an external antenna for better reception.</li> <li>✓ Increase the distance between the Micro HiFi System and your TV or VCR.</li> </ul>
<b>The system does not react when buttons are pressed.</b>	<ul style="list-style-type: none"> <li>✓ Remove and reconnect the AC power plug and switch on the system again.</li> </ul>
<b>Sound cannot be heard or is of poor quality.</b>	<ul style="list-style-type: none"> <li>✓ Adjust the volume.</li> <li>✓ Disconnect the headphones.</li> <li>✓ Check that the speakers are connected correctly.</li> <li>✓ Check if the stripped speaker wire is clamped.</li> <li>✓ Make sure the MP3-CD was recorded within 32~256 kbps bit rate with sampling frequencies at 48 kHz, 44.1 kHz or 32 kHz.</li> </ul>
<b>The left and right sound outputs are reversed.</b>	<ul style="list-style-type: none"> <li>✓ Check the speaker connections and location.</li> </ul>
<b>The remote control does not function properly.</b>	<ul style="list-style-type: none"> <li>✓ Select the source (CD or TUNER, for example) before pressing the function button (▶  , ◀, ▶).</li> <li>✓ Reduce the distance between the remote control and the system.</li> <li>✓ Insert the battery with its polarities (+/- signs) aligned as indicated.</li> <li>✓ Replace the battery.</li> <li>✓ Point the remote control directly toward IR sensor on the front of the system.</li> </ul>
<b>The timer is not working.</b>	<ul style="list-style-type: none"> <li>✓ Set the clock correctly.</li> <li>✓ Press TIMER to switch on the timer.</li> </ul>
<b>The Clock/Timer setting is erased.</b>	<ul style="list-style-type: none"> <li>✓ Power has been interrupted or the power cord has been disconnected. Reset the clock/timer.</li> </ul>