

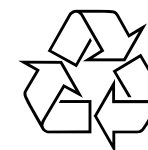
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*Manual de Instruções*  
*User guide*  
*Manual del usuario*

**MCS246 CD Soundmachine**



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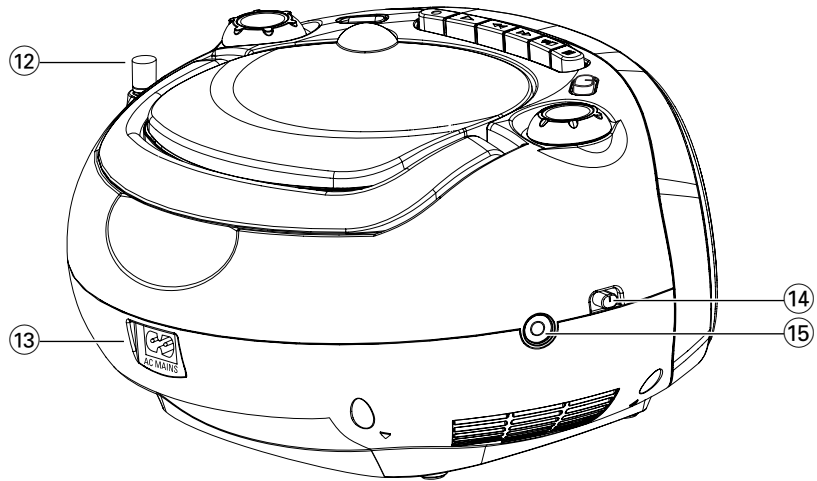
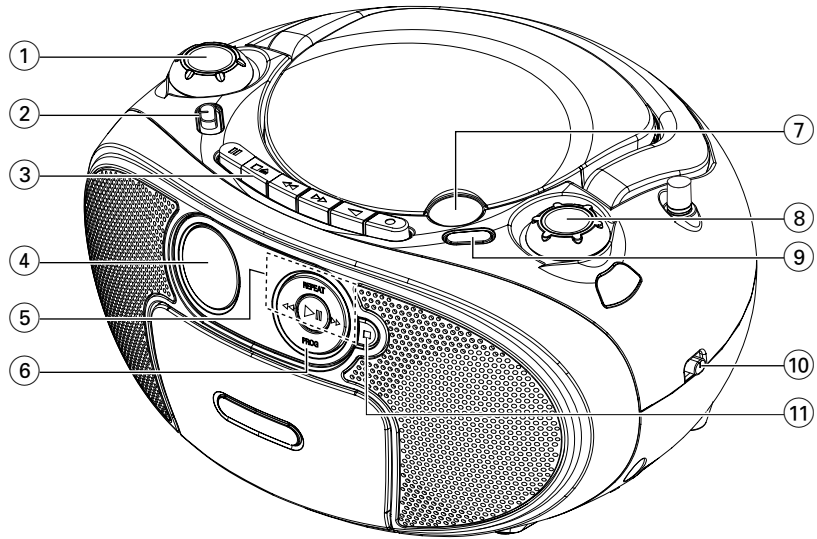
MCS246

**CLASS 1  
LASER PRODUCT**

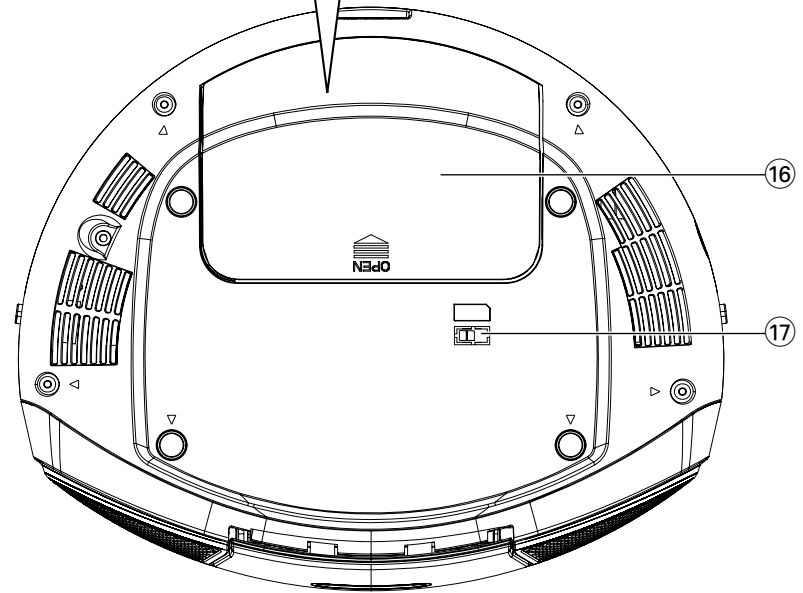
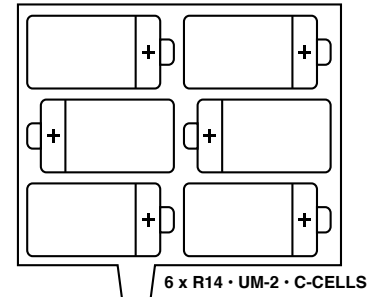
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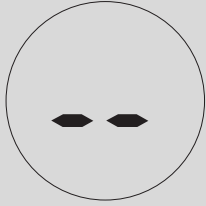
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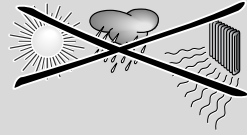
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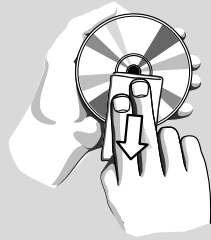
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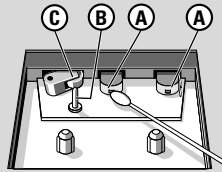
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## English

### IMPORTANT!

- The voltage selector located at the bottom of this system is preset at 220V-240V from the factory. For countries that operate at 110V-127V, please adjust to 110V-127V before you switch on the system.

### Supplied Accessories

– AC power cord

### Top/front panels (See [1])

- ① **VOLUME** – adjusts volume level.
- ② **Source selector: CD, TUNER, TAPE/OFF** – selects CD, radio or tape source of sound – power off switch
- ③ **CASSETTE RECORDER keys:**  
**PAUSE** – pauses playback or recording  
**STOP•OPEN** – stops the tape or recording; – opens the cassette holder.  
**F.FWD / REW** – fast winds/ rewinds tape;  
**PLAY** – starts playback;  
**REC** – starts recording.
- ④ **Display** – shows the CD functions
- ⑤ **▶ II** - starts or pauses CD playback  
**▶▶ II◀◀**  
– selects the next/previous track  
– searches forwards/backwards (press and hold the button) within the current track  
**REPEAT** – repeats a track/  
CD program/entire CD.
- ⑥ **PROG** – programs tracks and reviews the program
- ⑦ **LIFT TO OPEN** – opens/ closes the CD door.
- ⑧ **TUNING** – tunes to radio stations
- ⑨ **SHUFFLE** – plays all tracks in random order
- ⑩ **BAND** – selects waveband

## Controls/Power Supply

- ⑪ **■ STOP** – stops CD playback;  
– erases a CD program

### Back/bottom panels (See [2] and [3])

- ⑫ **Telescopic antenna** - improves FM reception.
- ⑬ **AC MAINS~** - inlet for power cord.
- ⑭ **DBB** – turns the bass enhancement on/off.
- ⑮ **🔊** – 3.5 mm stereo headphone socket  
**Helpful hints:** The speakers will be muted when headphones are connected to the set.
- ⑯ **Battery door** - open to insert 6 x 1.5V R-14/ UM-2/ C-cells
- ⑰ **Voltage selector** – (not for all versions) adjust to match the local voltage 110/220V before plugging in the set

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

### Power Supply

Whenever convenient, use the power supply cord if you want to conserve battery life. Make sure you remove the plug from the set and wall outlet before inserting batteries.

#### Batteries (not included)

- 1 Open the battery door and insert 6 batteries, type **R-14, UM-2** or **C-cells**, (preferably alkaline) with the correct polarity as indicated by the "+" and "-" symbols inside the compartment. (See [2])
- 2 Replace the battery door, making sure the batteries are firmly and correctly in place. The set is now ready to operate.

## Power Supply

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

- Incorrect use of batteries can cause electrolyte leakage and will corrode the compartment or cause the batteries to burst.
- Do not mix battery types: e.g. alkaline with carbon zinc. Only use batteries of the same type for the set.
- When inserting new batteries, do not try to mix old batteries with the new ones.
- Remove the batteries if the set is not to be used for a long time.

#### Using AC power

**WARNING: Always check you have completely switched off the set, before you change or disconnect power supply.**

- 1 Check if the power voltage, as shown on the type plate located on the bottom of the set, corresponds to your local power supply. If it does not, consult your dealer or service center.
- 2 Connect the power cord to the **AC MAINS~** inlet and the wall socket. The set is now connected and ready for use.
- 3 To switch the set off completely, withdraw the power cord from the wall socket.
- 4 Install the unit near the AC outlet and where the AC power plug can be easily reached.
- Disconnect the power cord from the wall socket to protect your set during heavy thunderstorms.

**The type plate is located on the bottom of the set.**

#### Helpful hints:

- To avoid unnecessary energy consumption, always adjust the **Source selector** to **TAPE/OFF** after using the set. Also check that the tape deck keys are released.

## General Operation/Tuner

### General operation

**Switching on and off and selecting the function**

- 1 To select your sound source, adjust the **Source selector** to: **CD, TUNER** or **TAPE/ OFF**.
- 2 To switch off the set, adjust the **Source selector** to **TAPE/ OFF** position and check the cassette keys are released.

#### Adjusting volume and sound

Adjust the sound with the **VOLUME** and **DBB** controls.

### Radio reception

- 1 Adjust the **Source selector** to **TUNER**.
- 2 Adjust **BAND** to select your desired waveband, **MW**, or **FM**.
- 3 Turn **TUNING** to tune to a station.

#### Helpful hints:

##### To improve radio reception

- For **FM**, extend, incline and turn the telescopic antenna for best reception. Reduce its length if the signal is too strong.
- For **MW**, the set uses a built-in antenna. Direct this antenna for best reception by turning the whole set.

## CD Player

### Playing a CD

- This CD player plays Audio Discs including CD-Recordables (CD-R) and CD-Rewritables (CD-RW).
- MP3, CD-ROM, CD-I, CDV, VCD, DVD or computer CDs are not possible for playback.

#### IMPORTANT!

CDs encoded with **copyright protection technologies** by some record companies may be unplayable by this product.

- 1 Adjust the **Source selector** to **CD**.
- 2 Open the CD door, and insert a CD with the printed side facing up, then press the CD door gently to close.
  - Display shows --, and later the total number of tracks. (See [3])
- 3 Press ►/|| to start playback.
- 4 To pause playback, press ►/||.
  - Display: ► flashes. (See [4])
- 5 To resume, press ►/|| again.
- 6 To stop CD playback, press ■.

#### Helpful hints:

CD play will also stop when:

- you open the CD door;
- you select **TUNER** or **TAPE/ OFF** sound source;
- the CD has reached the end.

### Selecting a different track

- Press ◀/ ▶ once or repeatedly until the desired track number appears in the display.
- In the pause/stop position, press ►/|| to start playback.

### Finding a passage within a track

- 1 During playback, press and hold ◀◀ or ▶▶.
  - The CD is played at high speed and with reduced volume.
- 2 When you recognize the passage you want, release ◀◀ or ▶▶ to resume normal playback.

#### Helpful hints:

- When your searching reaches the end of the last track, the CD goes to stop mode.

### Programming track numbers

You may store up to 20 tracks in the desired sequence. If you like, store any track more than once.

- 1 In the stop position, press **PROG** to activate programming.
  - Display: **PROG** and 00 flash. (See [5])
- 2 Press ◀◀ or ▶▶ to select your desired track number:
- 3 Press **PROG** to store the desired track number:
  - Display: **PROG** and 00 flash for you to program the next track.
- 4 Repeat steps 2 to 3 to select and store all desired tracks in this way.
  - If you attempt to store more than 20 tracks, no track can be selected and the display shows --.
- 5 To play your program, press ►/||.

#### Helpful hints :

- **When playback of your program comes to the stop position, your set will return to normal playback. To re-enter program mode, press PROG in the stop position.**

## CD Player

### Reviewing the program

In the stop position, press **PROG** repeatedly to see your stored tracks.

### Erasing a program

You can erase the contents of the memory by:

- in the stop position, press **PROG** to enter program mode, and then press ■.
- selecting **TUNER** or **TAPE/ OFF** sound source;
- opening the CD door;

### Different play modes: REPEAT. and SHUFFLE (See [6], [7])

#### REPEAT

You can play the current track or the whole disc repeatedly, and combine REPEAT modes with PROGRAM.

**REP** – plays the current track continuously.

**REP ALL** – repeats the entire CD/program

- 1 To select play mode, press **REPT** once or more.
  - The display shows **REP** or **REP ALL**.
- 2 Press ►/|| to start playback if in the stop/pause position.
- 3 To return to normal playback, press **REPT** repeatedly until the modes are no longer displayed.
  - You can also press ■ to cancel your play mode.

#### SHUFFLE

You can play all the tracks in random order:




- 1 In the stop position, press **SHUFFLE** to switch on shuffle play.
  - Display shows **SHUF**.
- 2 To switch off shuffle play, press ■.

#### Helpful hints:




- During the shuffle play, when **REP** function is selected, it will play the current shuffled track repeatedly, or when the **REP ALL** function is selected, it will repeat the shuffle play of the entire CD.

## Cassette Recorder

### Cassette playback

- 1 Adjust the **Source selector** to **TAPE**.
- 2 Press **STOP•OPEN**  to open the cassette holder and insert a cassette, and close the deck.
- 3 Press **PLAY**  to start playback..
- 4 To pause playback, press **PAUSEII**. To resume, press the key again.
- 5 To stop the tape, press **STOP•OPEN** .

### Fast forwarding/rewinding

- 1 Press **F.FWD/ REW**  or  until you reach your desired passage.
- 2 Press  to stop rewinding/fast forwarding.




### Helpful hints:

- During playback, the keys are automatically released at the end of a tape and the set is switched off (unless **PAUSEII** mode has been activated.)
- During fast forwarding/rewinding, the keys will not be released at the end of a tape. To switch off the set, make sure the cassette keys are also released.

### General information on recording

- Recording is permissible insofar as copyright or other rights of third parties are not infringed.
- For recording, use only NORMAL type cassettes (IEC type I) on which the tabs have not yet been broken. This deck is not suited for recording on CHROME (IEC II) or METAL (IEC IV) type cassettes.
- The best recording level is set automatically. Altering the **VOLUME** or **DBB** will not affect the recording.
- To protect a tape from accidental erasure, break out the tabs. If you wish to record again, cover the tabs with a piece of adhesive tape.

### CD synchro start recording

- 1 Select **CD** source.
- 2 Insert a CD, or if desired, program track numbers.
- 3 Press **STOP•OPEN**  to open the cassette holder. Insert a blank tape and close the deck.
- 4 Press **REC**  to start recording.
  - Playing of the disc/ programme starts automatically from the beginning. You don't need to start the player separately.
- 5 For brief interruptions press **PAUSEII**. To resume recording, press **PAUSEII** again.
- 6 To stop recording, press **STOP•OPEN** .

### Recording from the Radio

- 1 Select **TUNER** source.
- 2 Tune to the desired radio station (see **Radio reception**).
- 3 Follows steps 3-6 under **CD synchro start recording**.

**The making of unauthorized copies of copy-protected material, including computer programmes, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.**



Be responsible  
Respect copyrights

## Maintenance & safety (See )

### CD player and CD handling

- If the CD player cannot read CDs correctly, use a cleaning CD to clean the lens before taking the set to repair.
- The lens of the CD player should never be touched!
- Sudden changes in the surrounding temperature can cause condensation on the lens of your CD player. Playing a CD is then not possible. Do not attempt to clean the lens but leave the set in a warm environment until the moisture evaporates.
- Always close the CD-tape door to avoid dust on the lens.
- To clean the CD, wipe in a straight line from the center towards the edge using a soft, lint-free cloth. Do not use cleaning agents as they may damage the disc.
- Never write on a CD or attach any stickers to it.

### Tape deck maintenance

To ensure quality recording and playback of the tape deck, clean parts **(A)**, **(B)** and **(C)** as shown, once a month. Use a cotton bud slightly moistened with alcohol or a special head cleaning fluid to clean the deck.

- 1 Open the cassette holder by pressing **STOP•EJECT**.
- 2 Press **PLAY** and clean the roller **(C)**.
- 3 Press **PAUSE** and clean the heads **(A)**, and the capstan **(B)**.
- 4 After cleaning, press **STOP•EJECT**.  
→ Cleaning of the heads can also be done by playing a cleaning cassette through once.

### Safety information

- Place the set on a flat, hard and stable surface so that the system does not tilt.
- Do not expose the set, batteries, CDs to humidity, rain, sand or excessive heat caused by heating equipment or direct sunlight.
- The apparatus shall not be exposed to dripping or splashing.
- Adequate ventilation with a minimum gap of 15cm (6 inches) between the ventilation holes and surrounding surfaces is necessary to prevent heat build-up.
- Do not cover the ventilation openings with items such as newspapers, table-cloths, curtains, etc.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- The mechanical parts of the set contain self-lubricating bearings and must not be oiled or lubricated.
- To clean the set, use a dry cloth. Do not use any cleaning agents containing alcohol, ammonia, benzene or abrasives as these may harm the housing.

## Troubleshooting

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

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

### Problem

- Possible cause
- Remedy

### No sound /power

- Volume not adjusted
- Adjust the VOL
- Power cord not securely connected
- Connect the AC power cord properly
- Batteries dead/ incorrectly inserted
- Insert (fresh) batteries correctly
- Headphones connected to the set
- Disconnect headphones.
- CD contains non-audio files
- Press **◀▶** once or more to skip to a CD audio track, instead of the data file.

### Display does not function properly / No reaction to operation of any of the controls

- Electrostatic discharge
- Switch off and unplug the set. Reconnect after a few seconds

### - -, E r or indication

- No CD inserted
- Insert a CD
- CD badly scratched or dirty
- Replace/ clean CD, see Maintenance
- Laser lens steamed up
- Wait until lens has cleared
- CD-R/CD-RW is blank or not finalized
- Use a finalized CD-R/CD-RW or suitable CD Audio disc only

### Note:

**Make sure the CD is not encoded with Copyright protection technologies, as some do not conform to the Compact Disc standard.**

### The CD skips tracks

- CD damaged or dirty
- Replace or clean CD
- Program/Shuffle is active
- Quit program/shuffle mode

**Note: A CD badly scratch or dirty may result in improper operation.**

### Poor cassette sound quality

- Dust and dirt on the heads, etc.
- Clean deck parts, see Maintenance
- Use of incompatible cassette types (METAL or CHROME)
- Only use NORMAL (IEC I) for recording

### Recording does not work

- Cassette tab(s) may be broken
- Apply adhesive tape over the missing tab space

## Specifications

### AMPLIFIER

Output power  
PMPO ..... 60 W  
RMS ..... 2 x 1W (1KHz/10% THD/8 ohms)

### RADIO

FM wave range ..... 87,5-108 MHz  
MW(AM) wave range ..... 526,5-1606,5 KHz KHz

### CD PLAYER

Programmable tracks ..... 20  
Signal-to-noise ratio ..... ≥ 55 dB  
Channel separation ..... ≥ 40 DB (1 KHz)  
Harmonic distortion ..... < 1%(10 KHz,-20 dB)

### GENERAL

AC power ..... 120/230 V  
.....50 / 60 Hz  
DC power ..... 6 x 1,5 V  
Power consumption  
Active ..... 12 W  
Stand-by ..... 1 W  
Dimensions (wxhxd) ..... 290x143x240 (mm)  
Weight (without package) ..... 1,62 Kg

Specifications are subject to change

### Environmental information

All unnecessary packaging material has been omitted. The packaging can be easily separated into three materials: cardboard, polystyrene and plastic.

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