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AJB3552

EN **User manual**

PHILIPS

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# 1 Important

## Safety

### Important safety instructions

① The apparatus shall not be exposed to dripping or splashing.

② Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).

③ Never insert objects into the ventilation slots or other openings on the apparatus.

④ Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

⑤ Unplug this apparatus during lightning storms or when unused for long periods of time.

⑥ Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

# Safety-Important notes for users in the U.K.

## Mains plug

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

1. **Remove fuse cover and fuse.**
2. **Fix new fuse which should be a BS1362 3 Amp, A.S.T.A. or BSI approved type.**
3. **Refit the fuse cover.**

## How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).
As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or e) or coloured green (or green and yellow).

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

# Notice

CE

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

## Recycling

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

### 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.

Any changes or modifications made to this device that are not expressly approved by Philips Consumer Lifestyle may void the user's authority to operate the equipment.

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# 2 Your DAB clock radio

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

## Introduction

With this unit, you can:

- listen to either digital radio (DAB) or analog FM radio
- know the time
- wake up by DAB/FM radio or buzzer alarm.

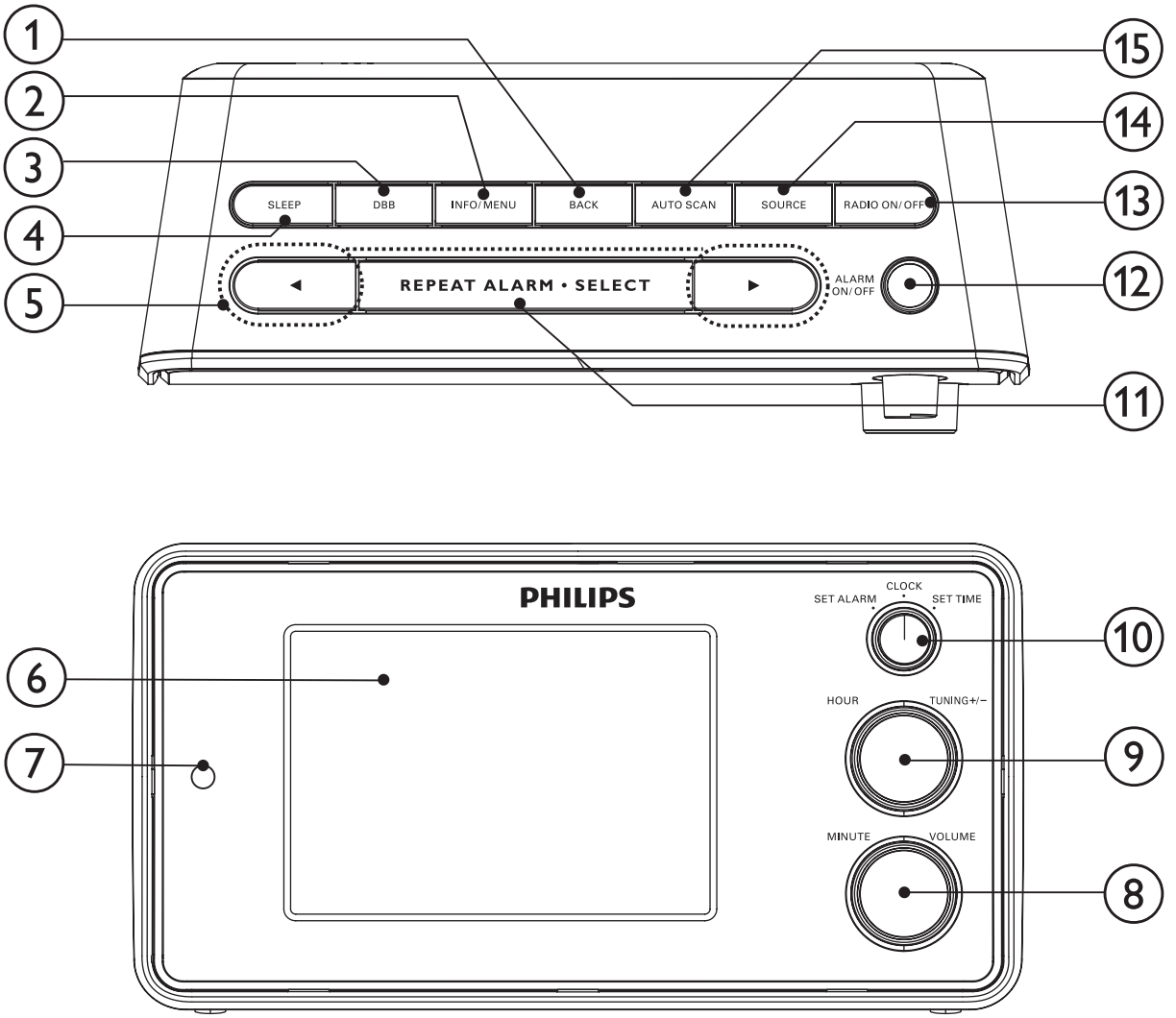
The unit offers Dynamic Bass Boost (DBB) to enrich sound.

## What's in the box

Check and identify the contents of your package:

- Main unit
- Power adaptor
- User manual

# Overview of the main unit




① BACK

- Return to previous menu.
- Cancel a selection.

② INFO/MENU

- Access DAB/FM menu.
- Display DAB/RDS information.

③ DBB

- Turn on or off dynamic bass enhancement.

④ SLEEP

- Set sleep timer.

⑤ ◀ / ▶

- Navigate through the DAB/FM menu.
- Select a preset radio station.
- Scan for previous/next radio station.

⑥ Display panel

- Show status.

⑦ Light sensor

- For backlight brightness adjustment.

⑧ MINUTE/VOLUME

- Set minute.
- Adjust volume.

⑨ HOUR/TUNING +/-

- Set hour.
- Tune to a radio station.

⑩ SET ALARM/CLOCK/SET TIME

- Set alarm/time.
- Switch to clock screen.

⑪ REPEAT ALARM•SELECT

- Repeat alarm.
- Confirm selection.

⑫ ALARM ON/OFF

- Turn on/off alarm timer.

⑬ RADIO ON/OFF

- Turn on/off radio.

⑭ SOURCE

- Select DAB/FM source.

⑮ AUTOSCAN

- Scan radio stations.
- Store favorite radio stations in memory.

# 3 Get started

If you contact Philips, you will be asked for the model and serial number of this apparatus. The model number and serial number are on the bottom of the apparatus. Write the numbers here:
Model No. _____
Serial No. _____

## Connect power

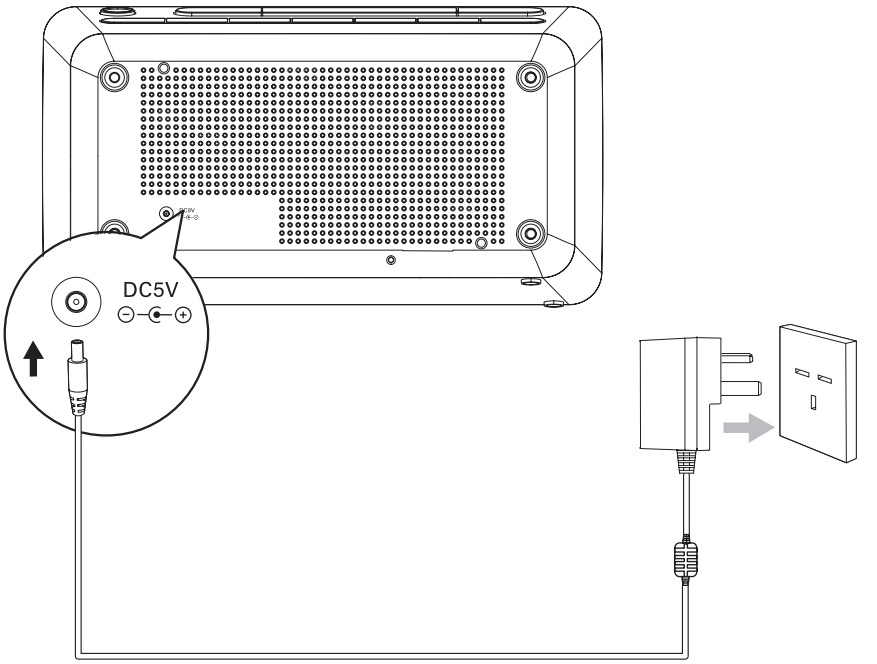
**Caution**

- Risk of product damage! Ensure that the power voltage corresponds to the voltage printed on the back or underside of the apparatus.
- Risk of electric shock! When you unplug the AC adaptor, always pull the plug from the socket. Never pull the cord.
- Before connecting the AC adaptor, ensure that you have completed all other connections.

**Note**

- The type plate is located on the bottom of the main unit.

1 Connect the AC adaptor to the DC socket on the apparatus first and then to the power socket.




# Set clock

1 In standby mode, rotate **SET ALARM/CLOCK/SET TIME** to the **SET TIME** position.
   ↳ The hour and minute digits begin to blink.

2 Rotate **HOUR** to set the hour.

3 Rotate **MINUTE** to set the minute.

4 Rotate the **SET ALARM/CLOCK/SET TIME** to the **CLOCK** position to confirm.

# Turn radio on/off

1 In standby mode, press **RADIO ON/OFF** to turn on radio.

↪ The last listened DAB or FM station broadcasts automatically.

Tip

- You can also turn on radio by pressing **SOURCE**.
- To turn radio off, press **RADIO ON/OFF**.

# 4 Listen to Digital Audio Broadcasts (DAB)

Digital Audio Broadcasting (DAB), is a way of broadcasting radio digitally through a network of transmitters. It provides you with more choice, better sound quality, and more information.

1 Press **SOURCE** repeatedly to select **DAB**.

↳ The unit automatically scans DAB radio stations. The unit stores all available DAB radio stations and then broadcasts the first available station.

↳ If no DAB service is available, **[No DAB Station]** is displayed, and then **[Autoscan]** is displayed.

## Scan DAB radio stations automatically

You can perform full scan to search for DAB radio stations.

1 In DAB mode, press **AUTO SCAN** for over 3 second.

↳ The unit scans all available DAB radio stations and broadcasts the first available station.

# Tune to a DAB radio station

1 In DAB mode, rotate **TUNING +/-** to navigation through available DAB stations.

2 Press **SELECT** to confirm.

# Search for DAB radio station manually

1 In DAB mode, press **INFO/MENU** for over 3 seconds.

2 Press ◀ / ▶ to select **[Manual tune]**, then press **SELECT**.

3 Rotate **TUNING +/-** to navigate DAB radio frequency.

4 Press **SELECT** to confirm.
↳ Searching starts.

5 When searching is complete, press **SELECT** again to start playing.

# Store favorite DAB radio stations in memory

You can store up to 20 DAB radio stations in preset channel.

1 Select the DAB radio station.

2 Press **AUTO SCAN**.
↳ The preset channel number is displayed.

3 Press ◀/▶ to select a number: 1- 20.

4 Press **SELECT** to confirm.

5 Repeat steps 1-4 to store other stations.

Note

- To remove a pre-stored DAB radio station, store another station in its place.

# Listen to a preset DAB radio station

1 Press ◀/▶ to select a preset DAB radio channel.

2 Press **SELECT** to confirm.

# Show DAB information

1 During listening to DAB radio, press **INFO/MENU** repeatedly to scroll through the following information (if available):
   - Dynamic Label Segment (DLS)
   - Signal strength
   - Program type (PTY)
   - Ensemble Name
   - Channel and frequency
   - Signal error rate

- Bit rate and audio status
- Date

# Use DAB menu

You can remove all invalid stations from the available DAB station list.

1 In DAB mode, press **INFO/MENU** for over 3 seconds.

2 Press ◀/▶ repeatedly until **[Prune]** is displayed.

3 Press **SELECT** to confirm.
↳ **[No][Yes]** is displayed.

4 Press ◀/▶ to select **[Yes]**.

5 Press **SELECT**.
↳ All invalid stations are removed.

# Select DRC setting

During listen to DAB radio, you can change DRC (Dynamic Range Control) settings to adds or removes a degree of compensation for dynamic range of audio performance.

1 In DAB mode, press **MENU** for over 3 seconds.

2 Press ◀/▶ until **[DRC]** is displayed.

3 Press **SELECT** to confirm.

4 Press ◀ / ▶ repeatedly to select an option:
- **[DRC off]**: DRC is switched off.
- **[DRC high]**: DRC is switched on. Recommend to use this setting in noisy environment.
- **[DRC low]**: DRC is set to half normal level.

5 Press **SELECT** to confirm the selection.

# 5 Listen to FM radio

## Tune to a radio station

Tip

- Position the antenna as far as possible from TV, VCR or other radiation source.
- For optimal reception, fully extend and adjust the position of the antenna.

1 Press **SOURCE** repeatedly to select FM tuner.

2 Press and hold ◀ or ▶.

↳ The radio tunes to a station with strong reception automatically.

↳ To tune to a weak station, rotate **TUNING +/-** until you find optimal reception.

## Scan for FM radio stations

1 In FM radio mode, press and hold **AUTO SCAN** for over 3 seconds.

↳ up to 20 FM stations with strong signal are stored in channel 1 - 20.

↳ The station stored in channel 1 starts broadcasting.

# Store favorite FM radio stations in memory

1 Tune to a FM radio station.

2 Press **AUTO SCAN**.
   ↳ The preset channel number is displayed.

3 Press ◀/▶ to select a channel: 1-20.

4 Press **SELECT**.
   ↳ The selected FM radio station is saved in the selected channel.

5 Repeat steps 1-4 to store other stations.

# Listen to a preset FM radio station

1 Press ◀/▶ to select a preset number.
   ↳ The station starts broadcast in a few seconds.

# Display RDS information

Radio Data System (RDS) is a service that sends additional broadcast information along with FM stations.
If you listen to a FM station with RDS signal, "RDS" is displayed.

1 Press **INFO/MENU** to display RDS information such as PTY (program type) and station name.

# Select FM radio searching scope

Before you start to search for FM radio stations, you can select searching scope.

1 Press **INFO/MENU** for over 3 seconds.

2 Press ◀ or ▶ until **[Scan setting]** is displayed, then press **SELECT**.

3 Press ◀ or ▶ to select an option:
- **[Strong stations only]**: Only stations with strong signals can be searched.
- **[All stations]**: Stations with both strong and weak signals can be searched.

4 Press **SELECT** to confirm.

# 6 Adjust settings

1 In DAB or FM mode, press **INFO/MENU** for over 3 seconds to display system menu.

2 Press ◀/▶ repeatedly until **[System]** is displayed.

3 Press **SELECT** to confirm.

4 Press ◀/▶ repeatedly to select an option.

5 Press **SELECT** to confirm.

6 Press **BACK** to exit.

| | | |
|---|---|---|
| [Time] | [Set 12/24 hour] | Select 12-hour mode or 24-hour mode. |
| | [Set date] | Set date. |
| | [Auto update] | Select how to update time. |
| | [Set date format] | Select display format of date. |
| [Backlight] | [Time out] | Select when to turn off the backlight. |
| | [On level] | Select backlight level. |
| [Factory Reset] | [Yes] | If 'Yes' is selected, the unit restarts and all the settings are erased. |
| | [No] | |
| [SW version] | | Display software version. |

# Adjust time setting

1 Enter system setting menu.

2 Press ◀ / ▶ repeated until **[Time]** is displayed, then press **SELECT**.

3 Press ◀ / ▶ to select an option, then press **SELECT** to confirm.

| Options | Sub-menu | Description |
|---|---|---|
| [Set 12/24 hour] | [Set 12 hour] | Time is displayed in 12-hour mode. |
| | [Set 24 hour] | Time is displayed in 24-hour mode. |
| [Set date] | | Set date. |
| [Auto update] | [Update from Any] | To synchronize time from FM or DAB stations. |
| | [Update from FM] | To synchronize time from FM stations. |
| | [Update from DAB] | To synchronize time from DAB stations. |
| | [No update] | Time will not be synchronized. |
| [Set date format] | [DD-MM-YYYY] | The date is displayed in day, month, year sequence. |
| | [MM-DD-YYYY] | The date is displayed in month, day, year sequence. |

4 To exit, press **BACK**.

# Select backlight settings

1 Enter system setting menu.

2 Press ◀ / ▶ repeated until **[Backlight]** is displayed, then press **SELECT**.

3 Press ◀ / ▶ to select an option, then press **SELECT** to confirm.

| Options | Sub-menu | Description |
|---|---|---|
| [Time out] | [On] | The backlight is always on. |
| | [10 sec] | The backlight turns off **10** seconds after operation. |
| | [30 sec] | The backlight turns off **30** seconds after operation. |
| | [60 sec] | The backlight turns off **60** seconds after operation. |
| | [120 sec] | The backlight turns off **120** seconds after operation. |
| [On level] | [Auto] | The backlight is automatically adjusted. |
| | [High] | The backlight is bright. |
| | [Medium] | The backlight is at medium level. |
| | [Low] | The backlight is dim. |

4 To exit, press **BACK**.

# Set alarm timer

1 Ensure that you have set the clock correctly.

2 In standby mode, rotate **SET ALARM/CLOCK/SET TIME** to the **SET ALARM** position.
↳ The hour and minute digits begin to blink.

3 Rotate **HOUR** to set the hour.

4 Rotate **MINUTE** to set the minute.

5 Rotate the **SET ALARM/CLOCK/SET TIME** to the **CLOCK** position to confirm.

## Adjust alarm setting

Note

- You need to set date (see 'Adjust time setting' on page 25) before select alarm mode.

1 Press **RADIO ON/OFF** to enter standby mode, if necessary.

2 Press **INFO/MENU** for over 3 seconds.
↳ **[Alarm Wizard]** is displayed.

3 Press ◀/▶ repeatedly to select alarm sound:
- **[Source Buzzer]**: Buzzer is selected as alarm sound.
- **[Source DAB]**: Last listened DAB radio is selected as alarm sound.

- **[Source FM]**: Last listened FM radio is selected as alarm sound.

4 Press **SELECT** to confirm.
- Sub-menu is displayed.

| | | |
|---|---|---|
| **[Daily]** | | The alarm activates everyday. |
| **[Weekends]** | | The alarm activates on Saturday and Sunday. |
| **[Weekdays]** | | The alarm activates from Monday to Friday. |
| **[Once]** | **[**xx-xx-xxxx**]** (Set date) | The alarm activates only once. Need to set date. (see 'Adjust time setting' on page 25) |

↳ If it is **[Source DAB]** or **[Source FM]** is selected, **[last listened]** is displayed. Press **SELECT** to confirm.

5 Press ◀ / ▶ to select an option, then press **SELECT**.

6 Press ◀ / ▶ to select duration, then press **SELECT** to confirm.
- **[15 minutes]**: The alarm sounds for 15 minutes.
- **[30 minutes]**: The alarm sounds for 30 minutes.
- **[45 minutes]**: The alarm sounds for 45 minutes.
- **[60 minutes]**: The alarm sounds for 60 minutes.

↳ A progress bar is displayed. The unit takes a few minutes to save the alarm setting. Wait until it is saved.

## Activate or deactivate the alarm timer

1 Press **ALARM ON/OFF** repeatedly to activate or deactivate the alarm timer.

↳ **[Alarm On]** or **[Alarm Off]** is displayed briefly.

## Repeat alarm

1 When alarm sounds, press **REPEAT ALARM•SELECT** repeatedly to select snooze interval:

- **[Snooze 5 minutes]**: The alarm repeats in 5 minutes later.
- **[Snooze 10 minutes]**: The alarm repeats in 10 minutes later.
- **[Snooze 15 minutes]**: The alarm repeats in 15 minutes later.
- **[Snooze 20 minutes]**: The alarm repeats in 20 minutes later.
- **[Snooze 25 minutes]**: The alarm repeats in 25 minutes later.
- **[Snooze 30 minutes]**: The alarm repeats in 30 minutes later. Note: Only when alarm duration is set at 45 minutes or 60 minutes, there is the option of **[Snooze 30 minutes]**.

↳ When the time is selected, snooze countdown is displayed.

### Stop alarm sound

1 When the alarm sounds, press **ALARM ON/OFF**.
   ↳ The alarm stops but the alarm settings remain.

## Set the sleep timer

This unit can switch to standby automatically after a period.

1 Press **SLEEP** repeatedly to select time period:
   - **[15 minutes]**
   - **[30 minutes]**
   - **[45 minutes]**
   - **[60 minutes]**
   - **[90 minutes]**

   ↳ When the sleep timer is activated, the display shows ᶻᶻᶻ.

To enter standby mode immediately, press **SLEEP** repeatedly until **[Sleep off]** is displayed.

## Enhance bass

1 Press **DBB** repeatedly to turn on/off dynamic bass enhancement.

# 7 Product information

Note

- Product information is subject to change without prior notice.

## Specifications

### Amplifier

| | |
|---|---|
| Rated Output Power | 1.5 W RMS |

### Tuner

| | |
|---|---|
| Tuning Range | FM: 87.5 - 108MHz<br>DAB: 174.92 - 239.20 MHz |
| Tuning grid (FM) | 50 KHz |
| Sensitivity<br>- Mono, 26dB S/N Ratio | < 22 dBf |
| Search Selectivity | < 28 dBf |
| Total Harmonic Distortion | < 2% |

| | |
|---|---|
| Signal to Noise Ratio | >55 dB |
| Number of presets | 20 (FM)<br>20 (DAB) |

## General information

| | | |
|---|---|---|
| AC/DC adaptor | (Input) | 100 ~ 240 V~,<br>50/60 H, 0.5A |
| | (Output) | 5V, 1.0A |
| | (Brand name) | Philips |
| | (Model number) | AS100-050-AI100 |
| Operation Power Consumption | | 2 W |
| Standby Power Consumption | | < 1 W |
| Dimensions | | 172 x 92 x 72 mm |
| Weight | | 0.5 kg |

# 8 Troubleshooting

Warning

- Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself. If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips web site (www.philips.com/welcome). When you contact Philips, ensure that the apparatus is nearby and the model number and serial number are available.

### No power

- Ensure that the AC power plug of the unit is connected properly.
- Ensure that there is power at the AC outlet.

### No sound

- Adjust the volume.

### No response from the unit

- Disconnect and reconnect the AC power plug, then turn on the unit again.

### Poor radio reception

- Increase the distance between the unit and your TV or VCR.
- Fully extend the FM antenna.

### Timer does not work

- Set the clock correctly.
- Switch on the timer.

### Clock/timer setting erased

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

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