

PHILIPS

Clock Radio

4000 Series

TAR4500



User manual

Register your product and get support at:
www.philips.com/support

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1 Important

Safety

- Read these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the clock radio.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.
- Battery usage CAUTION - To prevent battery leakage which may result in bodily injury, property damage, or damage to the clock radio:
 - Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc.) batteries.
 - CAUTION: Danger of explosion if batteries are incorrectly replaced. Replace only with the same or equivalent type.
 - Battery in extreme high or low temperatures during use, storage or transportation, and low air pressure at high altitude can pose safety hazards.
 - Do not replace a battery with an incorrect type that can defeat a safeguard (for example, some lithium battery types).
 - Leaving a battery in an extremely high temperature surrounding, or an extremely low air pressure environment may result in an explosion or leakage of flammable liquid or gas.
 - Install all batteries correctly, + and - as marked on the unit.
 - Remove batteries if they are exhausted or if the remote control (if included) is not to be used for a long time.
 - Batteries contain chemical substances. They should be disposed of properly.

If you suspect that a battery has been swallowed or placed inside any part of the body, seek immediate medical attention.
 - When you change the batteries, always keep all new and used batteries out of reach of children. Ensure that the battery compartment is completely secure after you replace the battery.
 - If the battery compartment cannot be completely secured, discontinue use of the product. Keep out of reach of children and contact the manufacturer.
 - This clock radio shall not be exposed to dripping or splashing.
 - Do not place any sources of danger on the clock radio (e.g. liquid filled objects, lighted candles).
 - Where the plug of the Direct Plug-in Adapter is used as the disconnect device, the disconnect device shall remain readily operable.
 - Please use the product safely in an environment with temperature between 0°C and 45°C.

2 Your 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/support.

Introduction

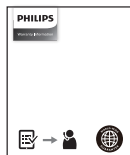
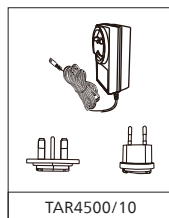
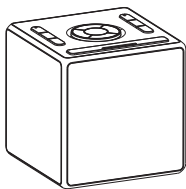
With this clock radio, you can

- listen to FM radio;
- set two alarms to ring at different times;
- charge your mobile devices.

What's in the box

Check and identify the contents of your package:

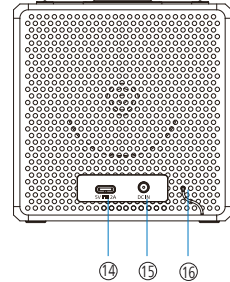
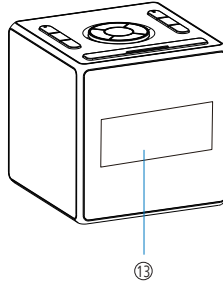
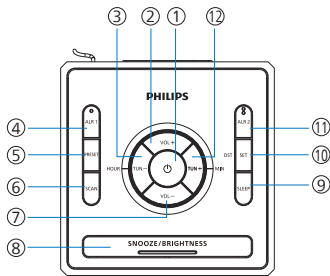
- Main unit
- Power adaptor
- Quick start guide
- Safety sheet
- Warranty



Note

- Power adaptor quantity and plug type vary by regions.
- Images, illustrations and drawings shown on this user manual are for reference only. actual product may vary in appearance.

Overview of the clock radio



- | | |
|---|---|
| <p>① Power</p> <ul style="list-style-type: none"> • Turn on or switch to standby. <p>② VOL +</p> <ul style="list-style-type: none"> • Adjust volume. <p>③ HOUR / TUN -</p> <ul style="list-style-type: none"> • Set hour. • Tune to FM radio stations. • Select previous preset station. <p>④ ALR 1</p> <ul style="list-style-type: none"> • Set alarm. <p>⑤ PRESET</p> <ul style="list-style-type: none"> • Store radio stations in memory. • Select a preset radio station. <p>⑥ SCAN</p> <ul style="list-style-type: none"> • Scan and store radio stations automatically. <p>⑦ VOL -</p> <ul style="list-style-type: none"> • Adjust volume. <p>⑧ SNOOZE / BRIGHTNESS</p> <ul style="list-style-type: none"> • Snooze alarm. • Adjust display brightness. | <p>⑨ SLEEP</p> <ul style="list-style-type: none"> • Set the sleep timer. <p>⑩ DST / SET</p> <ul style="list-style-type: none"> • Set daylight saving. • Set time. <p>⑪ ALR 2</p> <ul style="list-style-type: none"> • Set alarm. <p>⑫ MIN / TUN +</p> <ul style="list-style-type: none"> • Set minute. • Tune to FM radio stations. • Select next preset station. <p>⑬ Display panel</p> <ul style="list-style-type: none"> • Display current status. <p>⑭ USB-type C charging out port</p> <ul style="list-style-type: none"> • Charge your mobile devices. <p>⑮ FM Antenna</p> <p>⑯ DC IN</p> <ul style="list-style-type: none"> • Connect to the supplied power adaptor. |
|---|---|

3 Get started

Always follow the instructions in this chapter in sequence.

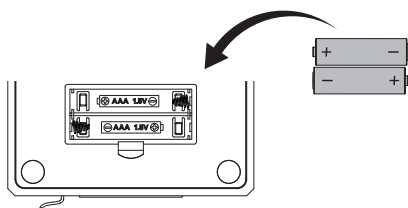
Install batteries

The batteries can only back up clock and alarm settings.



Caution

- Risk of explosion! Keep the batteries away from heat, sunshine or fire. Never discard batteries in fire.
- Batteries contain chemical substances, so they should be disposed of properly.
- Do not mix battery types: e.g. alkaline with carbon zinc. Only use batteries of the same type for the set.



- 1 Open the battery compartment at the bottom of the unit.
- 2 Insert 2pcs AAA batteries (not supplied) with correct polarity (+/-) as indicated, then close the battery compartment.

Connect power



Caution

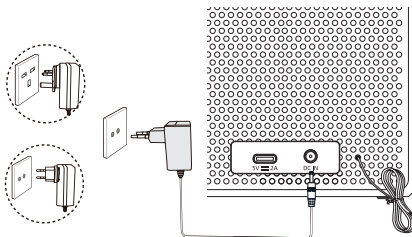
- Risk of product damage! Make sure that the power voltage corresponds to the voltage printed on the back or underside of the clock radio.
- Risk of electrical shock! When you unplug the power cord, always pull the plug from the socket. Never pull the cord.



Note

- The type plate is located at the bottom of the clock radio.



Connect the power adapter to the wall outlet.



Note

- Power adaptor quantity and plug type vary by regions.
- Images, illustrations and drawings shown on this user manual are for reference only. actual product may vary in appearance.

Turn on/Switch to standby

- Press  to turn the unit on.
 - ↳ The radio switches to the FM source.
- Press  to switch the unit to Standby.
 - ↳ The time (if set) is displayed.

Adjust volume

While listening, press **VOL+**/**VOL-** to adjust volume.

Adjust display brightness

Press **BRIGHTNESS** to select different brightness levels or turn off the display screen:

- High
- Medium
- Low
- Off

4 Clock/Alarm setting

Setting clock



Note

- You can only set time in standby mode.

- 1 In standby mode, press **SET** to activate the clock setting mode, the "24H" to blink.
- 2 Press **TUN+ / TUN-** to select <12H> or <24H> hour format, then press **SET** to confirm, the time will blink.
- 3 Press **HOUR** to set hour and press **MIN** to set minute, then press **SET** to confirm.
↳ The time is set.



Note

- If no button is pressed in approx 10 seconds, the unit exits clock setting mode automatically.

Set alarm time



Note

- Make sure that you have set the clock correctly.

- 1 Press and hold **ALR 1** or **ALR 2** for 3 seconds to activated the alarm setup mode, the icon 1🔔 or 2🔔 and alarm time will blink.
- 2 Press **HOUR** to set hour and press **MIN** to set minute, then press **ALR 1** or **ALR 2** to confirm, the icon 1🔔 or 2🔔 and "bUZ" (alarm source) will blink.
- 3 Press **TUN+ / TUN-** to select alarm source: buzzer or radio, then press **ALR 1** or **ALR 2** to confirm.
 - If radio is selected as the alarm source, the icon 1🔔 or 2🔔 and radio station preset number will blink, press **TUN+ / TUN-** to select radio preset radio station, then press **ALR 1** or **ALR 2** to confirm.



Tip

- The unit exits alarm setting mode when being idle for 10 seconds.
- Alarm timeout is 60 minutes if no user action.

Activate/deactivate alarm timer

Press **ALR 1** or **ALR 2** to activate or deactivate the alarm timer.

- ↳ If the alarm timer is activated, the icon 1🔔 or 2🔔 will appear.
- ↳ If the alarm timer is deactivated, the icon 1🔔 or 2🔔 will disappear.

Snooze the alarm

When the alarm sounds, press **SNOOZE**.

- ↳ The alarm snoozes and repeats ringing 10 minutes later.
- ↳ The icon 1🔔 or 2🔔 will blink.

- During alarm snooze time, press **SNOOZE** to select another period (in minutes) to ringing again.

10 → 20 → 30 → 40 → 50 → 60
↑

Stop alarm sounds

When the alarm sounds, press **⏏** or corresponding **ALR 1/ALR 2**.

- ↳ the alarm stops but the alarm settings remain.

Set sleep timer

This clock radio can switch to standby mode automatically after a preset period.

- Press **SLEEP** to select a period (in minutes).
 - ↳ The clock radio switches to standby mode automatically after the preset period.

15 → 30 → 60 → 90 → 120
↑
OFF

To deactivate the sleep timer:

- Press **SLEEP** until [OFF] (off) appears.

5 Listen to FM radio



Note

- Keep the clock radio away from other electronic devices to avoid radio interference.
- For better reception, fully extend and adjust the position of the FM antenna.

Tune to FM radio stations

- 1 Press to turn on the clock radio.
- 2 Press and hold **TUN+**/**TUN-** for 3 seconds.
 - ↳ The clock radio tunes to a station with strong reception automatically.
- 3 Repeat Step 2 to tune to more radio stations.

To tune to a station manually:

Press **TUN+**/**TUN-** to select a frequency.



Note

- The tuning grid of the clock radio is 50KHz, the radio frequency on the display panel will increase 0.1MHz by pressing **TUN+**/**TUN-** twice.

Store FM radio stations automatically

In FM tuner mode, press and hold **SCAN** for 3 seconds.

- ↳ The unit stores all the available FM radio stations automatically and broadcasts the first station.



Note

- You can store a maximum of 20 FM radio stations.

Store FM radio stations manually

- 1 In FM tuner mode, tune to an FM radio station.
- 2 Press and hold **PRESET** for 3 seconds to activate programming mode.
 - ↳ The preset number begins to blink.
- 3 Press **TUN+**/**TUN-** to select a number.
- 4 Press **PRESET** again to confirm.
- 5 Repeat steps 1 to 4 to store more FM radio stations.



Tip

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

Select a preset radio station

Option A:

In FM tuner mode, press **PRESET** to select a preset number.

Option B:

- 1 In FM tuner mode, press **PRESET**.
- 2 Press **TUN+**/**TUN-** to select a preset radio station.



Note

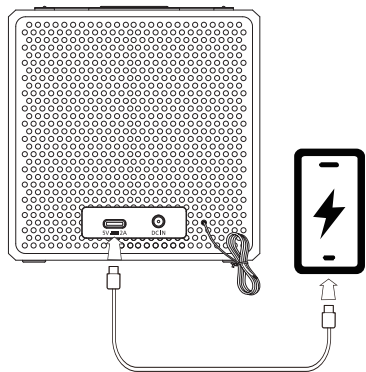
- After 3 seconds, preset radio station will be confirm automatically.

6 Other features

Set daylight saving


- Press **DST** for 3 seconds to turn daylight saving function on/off.
- ↳ If the daylight saving is ON, add one hour in current time, the “DST” will appear.
 - ↳ If the daylight saving is OFF, reduce one hour in current time, the “DST” will disappear.

USB-type C port for charging out



Connect the standard size end of a USB cable (not included) to the USB-type C Port on back of the unit and connect the other end to the charging port on your device.

7 Product specifications

	Note
<ul style="list-style-type: none">• Product information is subject to change without prior notice.	

Amplifier	
Output Power	RMS 700mW @ 10% THD; Max.1.4W

Tuner (FM)	
Tuning Range	87.5-108 MHz
Tuning Grid	50 KHz
Sensitivity - Mono, 26 dB S/N Ratio	<22 dBf
Total Harmonic Distortion	<10%
Signal to Noise Ratio	>50 dBA

USB-type C charging port	
Charging out	5.0V \pm 2.0A

General information	
Power Supply	5.0V \pm 3.0A
Operation Power Consumption	<2 W
Standby Power Consumption	<1 W
Dimensions (W x H x D)	103x103.5x103 mm
Weight (Main unit)	345g

8 Troubleshooting



Warning

- Never remove the casing of the product.

To keep the warranty valid, never try to repair the device yourself. If you encounter problems when using this device, check the following points before requesting service. If the problem remains unsolved, go to the Philips webpage www.philips.com/support. When you contact Philips, make sure that the device is nearby and the model number and serial number are available.

No power

- Make sure that the AC power plug of the unit is connected properly.
- Make sure 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

- Keep the clock radio away from other electronic devices to avoid radio interference.
- Fully extend and adjust the position of the antenna.

Alarm does not work

- Set the clock/alarm correctly.

Clock/alarm setting erased

- Power has been interrupted or the power plug has been disconnected.
- Reset the clock/alarm.
- Replace the backup batteries.

9 Notice

Compliance

Any changes or modifications made to this device that are not expressly approved by MMD Hong Kong Holding Limited may void the user's authority to operate the product. Hereby, TP Vision Europe B.V. declares that the product is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and UK Radio Equipment Regulations SI 2017 No 1206. You can find the Declaration of Conformity on www.philips.com/support.



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



This product is designed and manufactured with high-quality materials and components, which can be recycled and reused.



This symbol means the product must not be discarded as household waste and should be delivered to an appropriate collection facility for recycling. Follow local rules and never dispose of the product and rechargeable batteries with normal household waste. Correct disposal of old products and rechargeable batteries helps prevent negative consequences for the environment and human health.



This symbol means that the product contains batteries covered by European Regulation (EU) 2023/1542 which cannot be disposed of with normal household waste. Inform yourself about the local separate collection system for electrical and electronic collection system for electrical and electronic products and batteries. Follow local rules and never dispose of the product and batteries with normal household waste. Correct disposal of old products and batteries helps prevent negative consequences for the environment and human health.



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