

CD Clock Radio





(B) CD Clock Radio (E) Operating instructions

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KH 2420

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Safety instructions

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Introduction

Information for these operating instructions

These operating instructions are a component of the KH 2420 CD Clock Radio (henceforth designated as the device) and supplies you with important information for intended use, safety and connection as well as operation of the device.

The operating instructions must be constantly kept available close to the device. They are to be read and used by anyone assigned to service and repair faults in the device.

Keep these operating instructions and hand them over with the device to any future owners.

Copyright

This documentation is copyright protected.

Any copying and/or reproduction wholly or partially as well as reproduction of the illustrations also in a modified form is permitted only with written consent from the manufacturer.

Proper use

This device is intended only for playback of audio CDs, listening to radio programmes and for wake up with an alarm tone or radio/CD in an indoor environment. This device is not intended for any other use or for uses beyond those mentioned.

Danger from unintended use!

Danger can come from the device if used for unintended purposes and/ or other types of use.

- Use the device exclusively for intended purposes.
- Observe the procedures described in these operating instructions.

No warranty claims of any kind will be accepted for damage caused by improper use, unauthorised repairs, unauthorised modifications or for the use of unapproved relacement parts.

The operator alone bears liability.

Warnings

In the current operating instructions the following warnings are used:

\land DANGER

A warning in this danger level indicates a hazard threatning situation.

In the event that the hazardous situation is not avoided it can lead to death or serious injury.

 Compliance to the instructions in this warning are necessary to avoid the danger of death or serious injury.

A warning of this danger level signifies a possible dangerous situation.

If the dangerous situation is not avoided it can lead to injuries.

The directives in this warning are there to avoid personal injuries.

IMPORTANT

A warning of this danger level signifies possible property damage.

If the situation is not avoided it can lead to property damage.

The directives in this warning are there to avoid property damage.

NOTICE

 A notice signifies additional information that assists in the handling of the device.

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Safety

In this chapter you receive important safety information regarding handling of the device.

This device complies with the statutory safety regulations. Incorrect usage can lead to injuries and property damage.

Danger from electric shock

Life-threatening situation from electric shock!

A life-threatening situation can arise from contact with live wires or components!

Observe the following safety instructions to avoid electric shock hazards:

- Do not use the device if the mains power plug or the connection cable are damaged.
- Do not, under any circumstances, open the device housing. The danger of electric shock is present if the power carrying connections are touched and the electrical and mechanical construction is changed.

Danger from laser radiation



The device is equipped with a class 1 laser. Laser radiation is dangerous to the eyesight!

Observe the following safety instructions to avoid exposure of yourself or others to laser radiation:

- Never open the device.
- Have the device repaired only by a specialist.
- Do not make any modifications to the device.

Danger of hearing damage



Danger from extreme volumes!

Listening to loud music via connected headphones can result in hearing damage.

 Avoid extreme volumes, especially over long periods of time, when you are using headphones.

Interaction with batteries

Danger from improper use!

For safe handling of batteries observe the following safety instructions:

- Do not throw batteries into a fire.
- Do not short circuit batteries.
- Do not attempt to recharge batteries.
- Regularly check the condition of the batteries. Leaking battery acid can cause permanent damage to the device. Special caution should be shown when handling damaged or leaking batteries. Danger from acid burns! Wear protective gloves.
- Store batteries in a place inaccessible to children. If swallowed seek immediate medical attention.
- If you do not intend to use the device for an extended period of time, remove the batteries.

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Basic Safety Instructions

For safe handling of the device observe the following safety information:

- Before use check the device for visible external damage. Do not put into operation a device that is damaged or has been dropped.
- Damaged cables or connections should be replaced by authorised qualified persons or by the customer service department.
- Persons who, due to their physical, intellectual or motor abilities, are incapable of operating the device safely may only use the device under supervision or direction from a responsible person.
- Only permit children to use the device under supervision.
- Repairs should only be carried out by authorised specialist companies or by the customer service department. Incorrect repairs can result in danger to the user. In addition warranty claims become void.
- A repair to the device during the warranty period may only be carried out by a customer service department authorised by the manufacturer otherwise no additional warranty claims can be considered for subsequent damages.
- Defective components may only be replaced with original replacement parts. Only by using original replacement parts can you guarantee that the safety requirements are complied with.
- Protect the device from moisture and liquid penetration. Never submerge the device in water, do not place the device in the vicinity of water and do not stand any object filled with liquid (i.e. vases) on the device.
- Do not place any objects on the device.
- Do not operate the device in the vicinity of open flames (i.e. candles).
- Avoid direct sunlight.
- Always pull on the power plug when disconnecting from the wall socket, never pull on the connection cord.
- If malfunctions occur or thunder storms threaten pull the power plug from the wall socket.

KH 2420

- 1 POWER/AL.OFF: On/Off switch / Alarm switch off
- 2 OPEN/CLOSE: Open/close CD tray
- B PROG/SELECT: Programming button
- 4 TIME SET: Setting the time
- 5 Display
- 6 AL1.SET: Programming alarm 1
- POWER/ST.-LED: Operating status indicator / Stereo reception indicator
- 8 AL2.SET: Programming alarm 2
- 9 SLEEP: Setting the automatic switch off
- SNOOZE: Alarm interupt
- DIMMER button: Setting the display illumination
- RAND: Random playback on/off switch
- SKIP-/MIN: Title skip backwards/Minutes
- General SKIP+/HOUR: Title skip forwards/Hours
- STOP: Stop CD playback
- 16 PLAY/PAUSE: Pause CD playback/restart
- REP: Set the repeat function
- VOLUME: Volume control
- AUX/RADIO/CD: Operational mode selection
- 20 Speakers
- AM/FM/FM.ST: Frequency band selection
- 2 TUNING: Station selection
- 23 PHONES: Headphones connection socket
- EXT SPEAKER L + R: Connection sockets for external speakers
- AUX IN: Audio input for the connection of an external device
- 26 Pedestal
- 2 Power supply
- 28 Wire antenna for USW reception
- 29 Battery compartment cover
- 30 Pedestal receptacle



Setting up and connecting

Safety instructions

Personal injury and property damage can occur with initial use of the device!

Observe the following safety information to avoid dangers:

- Packaging material should not be used as a play thing. There is a risk of suffocation.
- Observe the information regarding the requirements of the set-up location as well as connection of the device to electric power in order to avoid personal injuries and property damage.

Package contents and transport inspection

The device is delivered with the following components as standard:

- CD Clock Radio
- Pedestal
- 2 type 1.5 V AA/LR6/Mignon batteries
- Connection cord
- Operating instructions

NOTICE

- Check the contents to make sure everything is there and for visible damage.
- If the contents are not complete or are damaged as a result of defective packaging or through transportation contact the service hotline (see chapter Service).

Unpacking

- Remove all device parts and the operating instructions from the carton.
- Remove all packing material.
- Remove the transport restraints from the CD compartment.

Disposal of the packaging

The packaging protects the device from transport damage. The packaging materials are selected from the point of view of their environmental friendliness and disposal technology and are therefore recyclable.



The recirculation of packaging into the material circuit saves on raw material and reduces generated waste. Dispose of packaging material that is no longer needed according to the regionally established regulations.

NOTICE

If possible preserve the device's original packaging during the warranty period so that in the case of a warranty claim you can package the device properly for return.

Set-up location requirements

For safe and fault free operation of the device the set-up location must comply with the following provisions:

- Place the device on a firm, flat and even surface.
- Place the device so that the ventilation slots are not covered.
- Do not place the device in a hot, wet or very humid location or in the vicinity of flammable materials.
- The surfaces of furniture may contain components that can affect the rubber feet of the device and could soften them. If necessary place a pad under the device's rubber feet.
- The wall socket must be easily accessible so that, in an emergency, the plug can be quickly withdrawn from the socket.

Electrical connection

- Before connecting the device compare the connection data (Voltage and frequency) on the rating plate with that of the mains electric source. This data must be compatible to avoid possible damage to the device.
- Make sure that the device's connection cord is not damaged and is not laying over hot surfaces and/or sharp edges.
- Make sure that the connection cord is not tightly stretched or bent.
- Do not allow the connection cord to hang over edges (Trip wire effect).

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Inserting the batteries

By inserting the batteries you can avoid the loss of programmed time of day and alarm wake time in the event of a possible power outage. The batteries make sure that the internal clock continues to run even during a power outage. When power is restored the correct time appears automatically in the display **5**.

NOTICE

- Display, Radio, CD player and alarm do not function in emergency operation.
- Open the cover of the battery compartment 😰 on the bottom of the device.
- Insert 2 batteries type AA/LR6/Mignon (supplied) into the battery compartment. Make sure that you observe the polarity as depicted in the battery compartment.
- Close the battery compartment by replacing the cover and allowing it to lock into place.

Assembling the pedestal

You can set the device up with or without the pedestal **20**. For assembly of the pedestal proceed as follows:

- Insert the pedestal into the receptacle 30 on the bottom of the device.
- To lock the pedestal turn it counter clockwise.
- To unlock the pedestal (disassembly) turn it in a clockwise direction.

Providing mains power

- Connect the connection cord to the mains power connection 20 on the rear panel of the device.
- Plug the mains power plug into a wall socket. The time of day will be shown in the display (0:00 o'clock).

USW wire antenna

For USW reception completely unfold the wire antenna 28.

Connecting an external speaker

 If required you can connect an additional external speaker (with a 3.5 mm jackplug) to the speaker connections 2 on the rear panel of the device.

Connecting the headphones

 If required you can connect headphones (with a 3.5 mm jackplug) to the headphone connection 2 on the rear panel of the device. The speakers then switch off automatically.

Handling and operation

In this chapter you receive important information for the handling and operation of the device.

Switching On and Off

- Press the POWER/AL.OFF button 1 to switch the device on.
 The POWER/ST. LED 2 lights up green and the display 5 is activated.
- Press the POWER/AL.OFF button 1 to switch the device off.
 The POWER/ST. LED 2 goes out and in the display 5 is shown the time of day and a programmed alarm time.

Setting the time

In order to set the time of day the device must be switched off.

- Press the TIME SET button 4. The time indicator in the display 5 blinks.
- Press the SKIP+/HOUR button 1 to set the hours.
- Press the SKIP-/MIN button ¹ to set the minutes.
- Press the TIME SET button or wait for approx. 10 seconds to confirm the time input. The time indicator stops blinking.

NOTICE

The time of day will reset to 0:00 if the device is disconnected from the power source and no batteries have been inserted.



Setting the display illumination

Press the DIMMER button ① to set the display illumination.
 Setting options: Bright/Dimmed/Off

Adjusting the volume.

With the VOLUME controller (B) set the desired sound level.

Automatic switch off ("SLEEP" function)

With the "Sleep" function the device switches itself off after a time lapse of between 10 and 90 minutes.

- Switch the device on and select the desired mode with the AUX/RADIO/CD switch (9).
- Press the SLEEP button **9** repeatedly to set the desired time. Setting options: 90, 80, 70, 60, 50, 40, 30, 20 or 10 minutes. After three seconds the selected setting is saved.
- Press the SLEEP button 9 again to switch off the "Sleep" function.

Programming alarm wake times

When programming the alarm wake time you can select whether, at the programmed time, an alarm tone should sound or the radio or CD player should start playing. In order to programme an alarm wake time the device must be switched off.

NOTICE

If, during alarm wake programming, no button is pressed for approx.
 10 seconds the alarm will activate with the current settings.

Two different alarm wake times (Alarm 1/Alarm 2) can be programmed.

- Press the AL1.SET button ()/AL2.SET button (). The time indicator in the display () blinks and the indicator AL 1/AL 2 appears.
- Press the SKIP+/HOUR button 1 to set the hours.
- Press the SKIP-/MIN button ¹ to set the minutes.

Waken with the alarm tone

- Press the PROG button 3 once to select "Alarm tone". A bell symbol is shown in the display 5.
- Press the AL1.SET button (3/AL2.SET button (3) again or wait for approx.
 10 seconds. In the display (5) appears the time indicator and in brackets the indicator "AL 1/AL 2" with the symbol (1). The wake time is programmed.

Waken with music

- Press the PROG button 3 twice to select "Music".
 A musical note symbol is shown in the display 5.
- Press the AL1.SET button 6/AL2.SET button 8 again or wait for approx.
 10 seconds. In the display 5 appears the time indicator and in brackets
 the indicator "AL 1/AL 2" with the symbol 1. The wake time is programmed.

Waken with radio

If you want to be woken by the radio, before programming the wake time carry out the following settings:

- Slide the AUX/RADIO/CD switch (19) to "RADIO".
- With the TUNING controller 2 select the station that you would like to be awoken with.
- With the VOLUME controller 📵 set the sound level.

Waken with a CD

If you want to be woken by a CD, before programming the wake time carry out the following settings:

- Slide the AUX/RADIO/CD switch (19) to "CD".
- Insert the desired CD into the CD compartment.
- With the VOLUME controller 18 set the sound level.

NOTICE

 If you want to check the programmed wake time briefly press on the AL1. SET button 6/AL2.SET button 8. The programmed wake time blinks. Wait 10 seconds or press the buttons again to return to the time of day indicator. GB



Snooze function ("SNOOZE" function)

 Whilst the alarm is sounding press the SNOOZE button to temporarily switch off the alarm. In the display 3 appears the indicator "SNOOZE". After 9 minutes the alarm sounds again.

Switching the alarm off

Press the POWER/AL.OFF button ① to completely switch off the alarm.

NOTICE

The alarm sounds for 30 minutes in the event that the alarm is not switched off.

Deleting wake times

- First press the AL1.SET button (3/AL2.SET button (3) and subsequently repeatedly the PROG button (3) until no more symbols appear in the display (5).
- Press the AL1.SET button 6/AL2.SET button 8 again or wait for approx.
 10 seconds. There are no more wake times programmed.

CD Playback

IMPORTANT

Damaging of the device!

- Do not place any foreign objects into the CD compartment as these could cause damage to the mechanism.
- Do not allow the CD compartment to stay open for extended periods of time as this will allow the dust to get in.
- ► Do not, under any circumstances, touch the lens in the CD compartment.

Switching on the CD operational mode

- Switch the device on by pressing on the POWER/AL.OFF button ①.
- Slide the AUX/RADIO/CD switch (1) to "CD".

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Inserting a CD

- Open the CD compartment on the top of the device (OPEN/CLOSE 2).
- Insert a CD with the inscripted side up.
- Close the CD compartment. The entire list of titles on the CD is shown in the display 6.

NOTICE

- If no CD is inserted or the device can not read the files on the inserted CD, NO will appear in the display.
- ► The device can not read MP3 CDs.

Playback start/pause/stop

- Press the PLAY/PAUSE button ⁽⁶⁾ to start playback. The indicator "PLAY ►" and the number of the current title appear in the display ⁽⁵⁾.
- Press the PLAY/PAUSE button to pause playback. The indicator "PLAY ►" blinks and the number of the current title is shown in the display S.
 Press the PLAY/PAUSE button to again to continue with the playback.
- Press the STOP button (15) to end playback.

Search function

- Press the SKIP-/MIN button B briefly to skip to the begining of the current title and then respectively skip a title backwards.
- Press the SKIP+/HOUR button 1 to respectively skip a title forwards.

Repeat function

- Press the REP button (1) once to constantly repeat the current title. The repeat indicator "REP 1" is shown in the display (5).
- Press the REP button T twice to repeat the entire CD.
 The repeat indicator "REP ALL" is shown in the display 5.
- Press the REP button Three times to end the repeat function.



Random playback

 Press the RAND button (2) to playback the titles in random order. In the display (3) appears the indicator "RAND".

NOTICE

- You can first press the PLAY/PAUSE button (1) and then the RAND button (1) or press the RAND button (1) only to start random playback.
- Press the RAND button 12 again to end random playback.

Programming playback order

You can programme a playback order for up to 20 titles. The programming can only be done when playback is stopped.

Creating a list

- Press the PROG button 3. In the display 5 is shown "01" for the first programme slot.
- Whilst the indicator is blinking select, with the SKIP-/MIN button (B) or the SKIP+/HOUR button (G), the title that you want to save in the programme slot 01.
- Press the PROG button 3 again. In the display 5 appears "02".
- With a SKIP button select the title for programme slot 02.
- Repeat these steps until your list is complete.
- Press the PLAY/PAUSE button 10 to playback the list.

Deleting the list

To delete the list press the STOP button (1) twice, switch to radio operation or open the CD compartment.

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Radio operation

Switching on the radio operational mode

- Switch the device on by pressing the POWER/AL.OFF button 1.
- Slide the AUX/RADIO/CD switch (19) to "RADIO".

Select frequency range

 With the AM/FM/FM.ST switch select between medium wave (AM), USW (FM) and USW Stereo (FM.ST).

Station search function

 With the TUNING controller 22 set the desired radio station. The radio station is shown in the display 5. With stereo reception the POWER/ST. LED 7 lights up orange.

NOTICE

The technical details of the device allow for an adjustable frequency range outside of the permitted USW (FM) 87.5 - 108 MHz and/or MW (AM) 526.5 - 1606.5 kHz frequency ranges. In some countries, different national regulations may apply to the assigned radio frequency ranges. Please note that information received outside of the assigned radio frequency ranges may not be used, passed on to third parties or otherwise misused.

Switching off the radio operational mode

 Slide the AUX/RADIO/CD switch (9) to "CD" or press the POWER/ AL.OFF button (1) to switch off the radio operational mode.

Playback of external audio devices

- Connect an external audio device, for example, an MP3 player to the 3.5 mm jackplug socket AUX IN (2) on the rear panel of the device.
- Slide the AUX/RADIO/CD switch (19) to "AUX".
- Start playback of the external audio device.

NOTICE

Follow the operating instructions for the external audio device.



Cleaning

Safety instructions

A DANGER

Life-threatening situation from electric shock!

Remove the plug from the mains power socket before cleaning.

IMPORTANT

Damaging of the device!

- Make sure when you are cleaning the device that no moisture gets inside in order to avoid irreparable damage to it.
- ► Do not, under any circumstances, touch the lens in the CD compartment.

Cleaning the housing

Clean the surfaces of the device with a soft, dry cloth.

Cleaning the CD compartment

Remove dust from inside the CD compartment with a soft paint brush.

Troubleshooting

In this chapter you will receive important information for malfunction localization and remedies. Observe the instructions in order to avoid danger and damage.

Safety instructions

Observe the following safety information to avoid danger and property damage:

Repairs to electronic devices may only be carried out by specialists who have been trained by the manufacturer. Considerable danger to the consumer and damage to the device can occur as a result of incorrect repairs.

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Malfunction causes and remedies

The following table will help with localizing and remedying minor malfunctions:

Defect	Possible cause	Solution
Device does not switch on.	The plug is not inserted.	Insert the plug into the mains power socket.
	Mains power socket is not supplying power.	Check the circuit fuse.
	The volume is set to minimum.	Increase the volume with the VOLUME controller (B).
No sound	Headphones are connected.	Remove the headphones plug from the connection socket 🗿.
	Playback of the audio device has not been started.	Start playback at the audio device.
	The CD has been inserted the wrong way up.	Insert the CD with the inscripted side up.
	The CD is dirty or defective.	Clean the CD or insert a different CD.
Inserted CD is not recognised.	The CD format is not supported by the device.	Insert a different CD.
	Malfunction with burnt CD.	Check the burnt CD in another playback device.
Noisy radio reception	The radio station is not properly tuned in.	Tune in the radio station properly with the TUNING controller 2 .
	Reception is too weak.	Try to improve reception by moving the wire antenna 🔞.

NOTICE

If you cannot solve the problem with the aforementioned methods please contact customer service.



Storage/Disposal

Storage

If you do not intend to use the device for an extended period of time disconnect it from the power supply, remove the batteries and store it in a clean, dry location that is not subjected to direct sunlight.

Disposal of the device



Do not dispose of the device in your normal domestic waste. This product is subject to the European directive 2002/96/EC-WEEE (Waste Electrical and Electronic Equipment).

Dispose of the device through an approved disposal centre or at your community waste facility. Observe the currently applicable regulations. In case of doubt, please contact your waste disposal centre.

Disposing of the batteries

Do not dispose of the batteries with household waste. Every consumer is legally obligated to hand in batteries at a collection centre in his/her community/district or a dealer. This obligation is intended to ensure that batteries are disposed of in an environmentally safe fashion. Hand batteries in only when they are fully discharged.

Appendix

Information regarding the EG conformity declaration

This device complies regarding conformance to the basic requirements and other relevent regulations of the European directive for electromagnetic compatibility 2004/108/EC, the low voltage directive 2006/95/EC as well as the Eco-design directive 2009/125/EC (Supplement 1275/2008 Appendix II, Nr.1) CE

The complete original declaration of conformity can be obtained from the importer.

Technical data

Operational voltage	230 V / 50 Hz			
Batteries for power reserve	2 x 1.5 V Type AA/LR6/Mignon (supplied)			
Power consumption				
Operation	max. 14	w		
Standby	approx. 1.5	w		
Max. Speaker power output:	2 x 800 mW (with 10 % harmonic distortion)			
Headphones power output	approx. 130 mV			
Radio frequency range				
Frequency FM (USW)	87.5 - 108 MHz			
Frequency AM (MW)	526.5 - 1606.5 kHz			
Operating temperature	+5 - +40	°C		
Humidity (no condensation)	5 - 90	%		
Measurements (H x W x D): (with pedestal)	18.3 x 18.4 x 17.9	cm		
Weight	approx. 1.2	kg		
Protection class	П 🗆			
CD player	Laser class 1			
Supported formats	Audio CD, CD-R, CD-RW			

Warranty

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You receive a 3-year warranty for this device as of the purchase date. This device has been manufactured with care and meticulously examined before delivery.

Please retain your receipt as proof of purchase. In the case of a warranty claim, please get in touch, by telephone, with our service department. Only in this way can a post-free dispatch for your goods be assured.

NOTICE

The warranty adjustment is valid only for material or manufacturing defects not, however, for transport damage, wear and tear or for damage to breakable parts, i.e. switches or rechargeable batteries.

This product is for private use only and is not intended for commercial use. The warranty is void in the case of abusive and improper handling, use of force and internal tampering not carried out by our authorised service branch.

Your statutory rights are not restricted in any way by this warranty. The warranty period will not be extended as a result of warranty adjustments. This applies also to replacement and repaired parts.

Damage and defects potentially present at the time of purchase must be reported immediately after unpacking or, at the very least, two days after date of purchase.

After expiry of the warranty period incidental repairs are subject to payment.

Service

GB DES UK LTD

Tel.: 0871 5000 700 (£ 0.10 / minute) e-mail: support.uk@kompernass.com

IE Kompernass Service Ireland

Tel: 1850 930 412 (0,082 EUR/Min.) Standard call rates apply. Mobile operators may vary. e-mail: support.ie@kompernass.com

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