Manuals+ — User Manuals Simplified.

ADE CK 2301 Radio Controlled Clock With XL Display Instruction Manual

ADE CK 2301 Radio Controlled Clock With XL Display

Contents

Dear Customer!

You have chosen to purchase a high-quality ADE brand product, which combines intelligent functions with an exceptional design. With this radio-controlled alarm clock, you always have the exact time in view. The wealth of experience of the ADE brand ensures a high technical standard and proven quality.
We wish you easy timing at any time!
Your ADE Team

Scope of delivery

- Radio-controlled clock
- 2x 1.5 V R03 (AAA) batteries ▬ ▬ ▬
- Operating Manual

General information

About this operating manual

This operating manual describes how to operate and maintain your product safely. Keep this operating manual in a safe place for future reference.
If you pass this product on to someone else, pass on this operating manual as well. Failure to observe this operating manual may result in injuries or damage to your product.

Explanation of symbols

This symbol combined with the word DANGER warns of serious injuries.

This symbol combined with the word WARNING warns of moderate and mild injuries.

This symbol combined with the word NOTE warns of material damage.

This symbol indicates additional information and general notes.

Technical data

Model: CK 2301 DCF radio-controlled alarm clock

Battery: 2x R03 (AAA) / 1.5 V ▬ ▬ ▬
Rated current: 100 mA
Measuring range: approx. -10 °C – 50 °C approx. 14 °F – 122 °F
Distributor GRENDS GmbH
(no service address):
Stahltwiete 23 22761 Hamburg, German

Our products are constantly being developed and improved. For this reason, design and technical modifications are possible at any time.

Safety

- This product may be used by children aged 8 and above, as well as by persons with reduced physical, sensory, or mental capacities or lacking experience and knowledge if they are supervised or have been instructed in the safe use of the product and understand the risks that may arise.
- Children must not play with the product.
- Cleaning and user maintenance must not be carried out by children, unless they are 8 years of age or older and are being supervised.
- Batteries, when swallowed, can be life-threatening. You should therefore keep the item and batteries out of reach of children. If a battery has been swallowed, medical assistance must be sought immediately.

DANGER for children

- Keep children away from packaging material.
  There is a risk of choking if swallowed.

RISK of fire/burning and/or explosion

- There is a risk of explosion if the batteries are replaced improperly. Replace the batteries only with the same or equivalent battery type. Refer to "Technical data".
- Batteries must not be recharged, reactivated by other means, dismantled, thrown into fire, or short-circuited. Otherwise, there is an increased risk of explosion and leakage; furthermore, gases may escape!
- Avoid contact of the battery fluid with skin, eyes, and mucosa. In case of contact, rinse the affected areas right away with plenty of clean water and consult a doctor immediately.
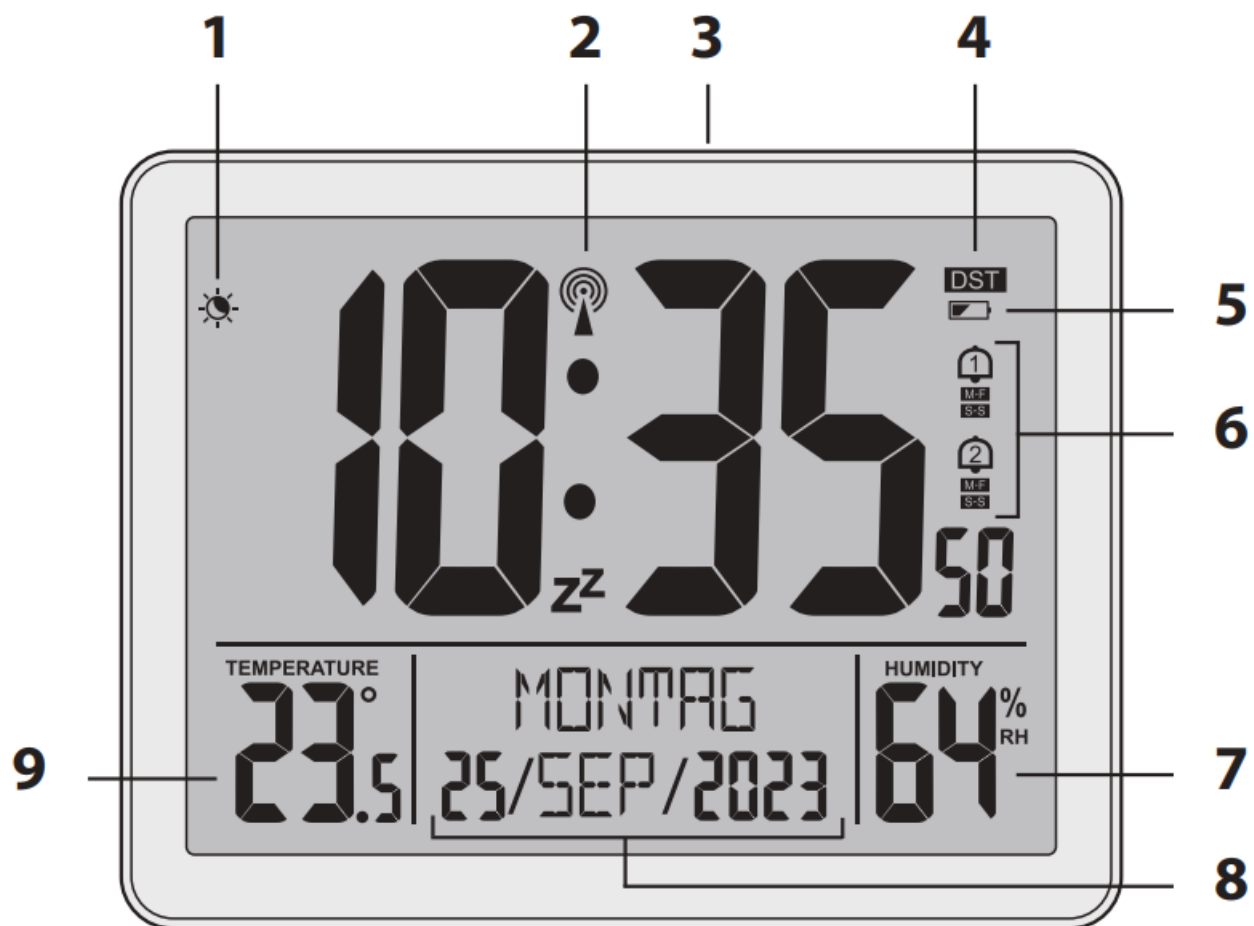
BEWARE of material damage

- Protect the alarm clock from strong shocks and vibrations.
- Remove the batteries from the clock when they are exhausted or if you will not use the clock for an extended period of time. You will thus avoid damage that may result from leakage of battery acid.
- When inserting and changing batteries, pay attention to the correct polarity (+/-).
- Do not expose the batteries to extreme conditions, for example, by storing them on radiators or under direct sunlight. Increased risk of leakage!
- Clean the battery and device contacts, as needed, before inserting the battery.
- Do not make any changes to the product. Only allow repairs to be carried out by a specialist workshop. Repairs carried out improperly can considerably endanger the user.
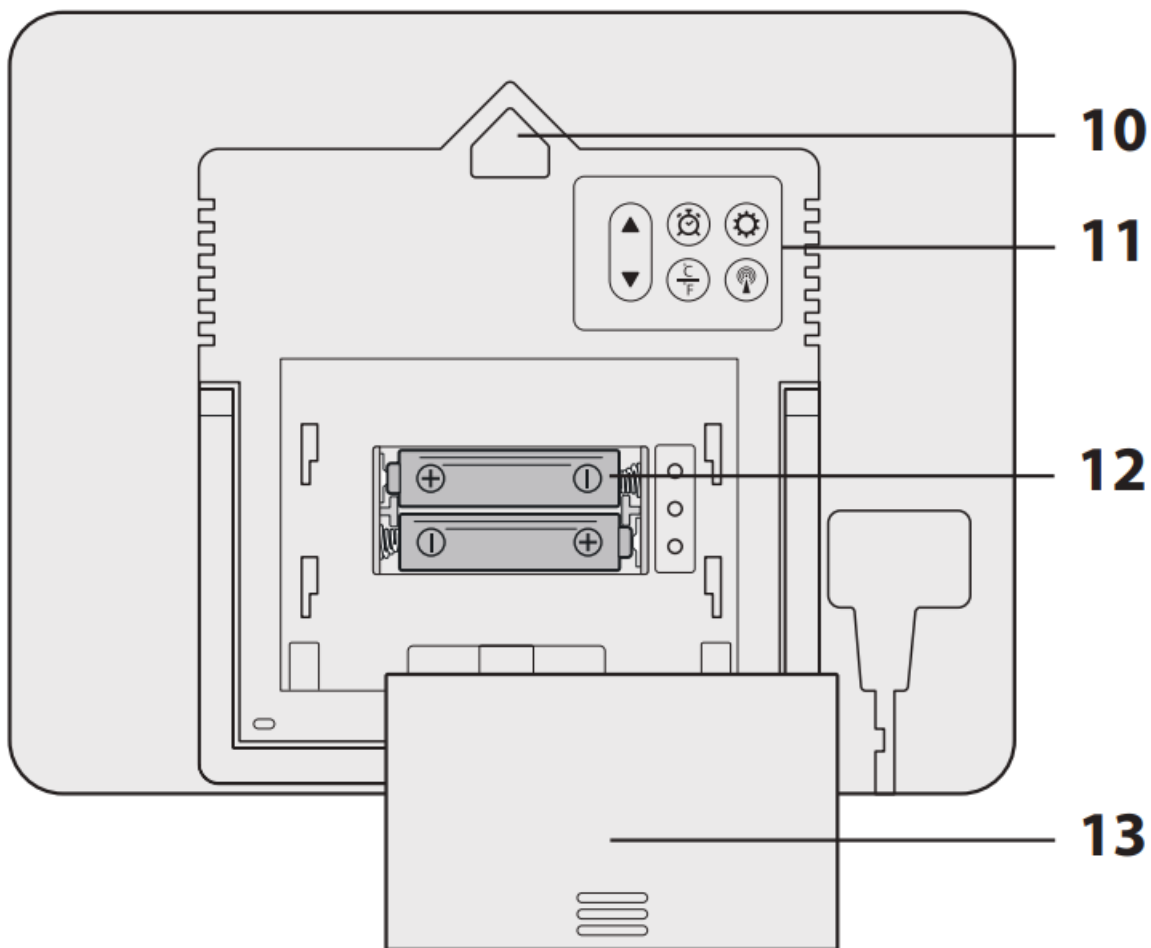
Intended use

This clock is intended to display time, date, room temperature and indoor air humidity.
The item is designed for private use and for use in dry areas.

At a glance

1. Night light function is enabled
2. Time signal transmitter is receiving a radio signal
3. Light/SNOOZE sensor field ☼ / zᶻ
4. Daylight saving time is enabled
5. Battery change indicator
6. Alarm functions are enabled
7. Indoor air humidity in %
8. Date display
9. Temperature in °C or °F

10. Hanging eyelet

11. Operating buttons:

▲
▼ increases values reduces values

⏰ Alarm functions

°C / °F Selecting the temperature unit

⚙ Adjust/save settings

📡 Starting and ending signal reception

12. Battery compartment, 2x R03 (AA)

13. Battery compartment cover

Start-up

The alarm clock is powered by two 1.5 V R03 (AAA) batteries.

1. Push the battery compartment cover upwards and remove the cover.
2. Insert the batteries as shown on the bottom of the battery compartment. Pay attention to the correct polarity (+/-).

3. Replace the battery compartment cover and push it down until it is secure. Once the batteries are inserted, the clock switches to the receiving mode, see next chapter.

Notes on changing the battery:

- Only use the battery type specified in the "Technical Data".
- Always exchange all of the batteries at the same time.
- Dispose of old batteries in an environmentally friendly manner, as described in "Disposal".

Receiving the time signal

With the batteries in place, you will hear several beeps, and all indications will appear briefly on the backlit display. After a short time, the display shows the measured room temperature and indoor air humidity.

The device then switches to receiving mode, during which the number of radio waves indicates the quality of the reception: The more radio waves shown on the display, the better is the reception.

As soon as the time signal has been received in sufficient strength, the time is displayed. The radio-controlled alarm clock automatically switches to reception several times every night. During this process, the displayed time is compared with that received from the time signal transmitter and, if necessary, corrected.

If a sufficiently strong signal has not been received, the radio-controlled alarm clock will cancel the receiving process after a few minutes and the radio tower symbol goes out.

The receiving process is started again at a later point in time. In this case, the time proceeds as usual (beginning with the start time of "00:00").

Checklist when data is missing on the display

1	Check whether the location of the clock is suitable, see "Choosing a location".
2.	Manually restart the receiving process, see "Starting signal reception manually".
3	Wait until the clock automatically switches back to receiving mode at a later time.
4	Manually perform settings if reception is not possible at your location, see "Setting the time manually "

Setting the time manually

- two button presses, the ⚙ setting process is terminated automatically, and you have to start over.
- Each push of a button is confirmed with a beep.

1. Keep the button pressed until BEEP ON appears on the display.

2. Use the button ▲ or ▼ to select ON or OFF (OFF = you will no longer hear a beep when you press the

button).

3. Press to save the setting.

   The display shows TIME ZONE, and "00" flashes, where "00" means your current time zone.

4. Use button or to select the time zone of your current location ("00" is the default setting for mainland Europe).

5. Proceed as described:

   – Press the button or to set the desired value.

   – Press each time to save the setting.

6. Perform the following settings one after the other:

   Hour (HOUR)
   – Minute (MINUTE)
   – Year (YEAR)
   – Month (MONTH)
   – Day (DATE)
   – Language (LANGUAGE, applies only to the weekday display)

7. Finally, press to exit.

Starting signal reception manually

 If the radio signal symbol to the left is no longer displayed, the radio signals from the time signal transmitter are no longer being received. The time indicator nevertheless continues precisely.

– Press the button once and hold it to start signal reception.

Pay attention to the following:

- If the reception was not successful, the reception symbol fades out after a few minutes and the time on the display continues normally.
- Upon successful signal reception, the radio-controlled alarm clock adjusts itself to the time of the time signal transmitter. If you have already made manual time and date settings, they will be adjusted automatically.

Choosing a location

 NOTE on material damage

- Protect the radio-controlled alarm clock from dust, shocks, extreme temperatures, direct sunlight and moisture. Only place it in a dry, closed room.

- Maintain a distance from TV sets, computers and monitors. Base stations of cordless telephones should also not be in the immediate vicinity of the radio-controlled alarm clock.
- Depending on the location, it may occur in rare individual cases that the alarm clock receives signals from another time signal transmitter or even alternately from two time signal transmitters. This is not a fault in the device. In this case, change the location of the alarm clock.
- The weather, e.g. a heavy storm, can cause interference with the reception.
- Temporary shutoffs of the transmitter can sometimes happen, e.g. because of maintenance work.

Setting up the radio-controlled alarm clock

– Place the radio-controlled clock as close to the window as possible. The device usually receives the strongest signal there.

About the time signal transmitter DCF77

The radio-controlled clock receives radio signals from the DCF77 time signal transmitter. This broadcasts the precise and official time of the Federal Republic of Germany on the long-wave frequency of 77.5 kHz.
The transmitter is located in Mainflingen near Frankfurt am Main and, with its range of up to 2000 km, supplies the majority of radio-controlled clocks in western Europe with the necessary radio signals.
When you power up the clock, it switches to Reception mode and searches for the signal from the DCF77 transmitter. If the time signal is received in sufficient strength, the time is displayed.
The clock switches on multiple times daily and synchronises the clock time with the radio signal from the DCF77 transmitter. In the event the signal is not received, e.g. during a strong storm, the clock continues to run precisely and then switches to receiving mode again at the next scheduled time.

Alarm

The device offers the possibility of setting two alarm times independently of each other.
For each alarm time you can specify the days on which it should be active:

- Monday to Friday ("M-F" display),
- Saturday to Sunday ("S-S" display) or
- Monday to Sunday ("M-S" display)

Both alarm times are set in the same way.

Setting the alarm time

- If there is more than approx. 20 seconds between two pushes of a button, the setting process automatically ends and you will have to repeat it.
- The indication of the displayed values changes faster by holding the button ▲ or ▼ .

1. Keep the ⏱ button pressed until the alarm hour indication flashes and "AL 1" and ① are displayed.
2. Use ▲ or ▼ to set the alarm hour.
3. Press ⏱ .

4. Use ▲ or ▼ to set the alarm minute.

5. Press ⏱ .

6. Use or to set the alarm period.

   – Monday to Friday ("M-F") or

   – Saturday to Sunday ("S-S") or

   – Monday to Sunday ("M-S").

7. Press ⏱ .

8. Use ▲ or ▼ to set the desired time span for the snooze function (time span between two alarms). Choosing "OFF" disables the snooze function.

9. Repeat the procedure described above to set the second alarm time likewise.

10. If you do not need a second alarm time, press ⏱ repeatedly until you return to the normal display.

Switches the alarm function on/off

– Briefly press ▲ repeatedly to activate or deactivate the desired alarm time.

– If neither 🔔① nor 🔔② is shown on the display, the alarm function is disabled.

ⓘ To check the alarm times you have set, briefly press ⏱ repeatedly.

Waking up

At the set time, you will be woken by an alarm signal, which will become more intense as the waking time increases.

Auto-stop function
If you do not press a button, the alarm switches off automatically after 2 minutes.
After 24 hours, the alarm will be triggered again.

Interrupting the alarm for 24 hours

– Press any button (except ☀/zᶻ) to interrupt the alarm. After 24 hours, the alarm will be triggered again.

Repeat alarm (SNOOZE function)

– Press the ☀/zᶻ sensor field once when the alarm signal sounds. Indications 🔔① or 🔔② and zᶻ flash on the display.

The device will switch on again according to the selected setting (the default setting is 5 minutes) to wake you up again. This procedure can be repeated multiple times.

Display illumination

Illuminating the display

– Press the ☼/z^z sensor field to turn on the display backlight for approx. 8 seconds.

Using the night light function

– Holding the ☼/z^z sensor field for more than 3 seconds shows ☀ on the display and turns on the automatic brightness adjustment.

Pay attention to the following:

- The display brightness depends on the ambient light levels.
- The display backlight is disabled when the ambient light is bright.
- The backlight becomes slightly brighter when the ambient light is dim.
- In this mode, you can set the maximum display brightness by holding ☼/z^z for 8 seconds.
- When you hold ☼/z^z for more than 3 seconds, the indication goes off and the ☀ automatic backlight adjustment is deactivated.

Other functions

Changing the time format

– Press ▼ to toggle between the 12-hour display (AM/PM) and the 24-hour display.

Change temperature unit

– Press the (°C/°F) button to toggle the display between degrees Celsius (°C) and degrees Fahrenheit (°F).

Switching between summer and winter time
Switching between summer and winter time, or vice versa, takes place automatically with good time signal reception.

With daylight saving time enabled, **DST** (Daylight Saving Time) is displayed.

Battery change indicator

When the battery symbol ▭ appears on the display, you need to change the batteries.
– Follow the procedure described in the section "Start-up".

Resetting the radio-controlled alarm clock to factory setting

Reset the radio-controlled alarm clock to its factory setting if the display shows unusual or obviously incorrect values.

1. Remove the batteries from the battery compartment and wait a while.
2. Reinsert the batteries. Observe the correct polarity (+/-).
3. Proceed as described in the chapter "Receiving the time signal".

Cleaning

- If necessary, dust the item with a soft, dry cloth or wipe it with a slightly moistened cloth.

Fault/Remedy

DCF77 signal is not received.

- Check the location.
- If necessary, start the radio reception manually.
- Set the time manually.

Temperature indication appears too high.

- Check whether the alarm clock is exposed to direct sunlight.

Display is illegible, function is unclear or values are obviously incorrect.

- Reset the alarm clock to the original factory setting.

The time differs exactly by one or two etc. hours.

- You have probably set an incorrect time zone.

Declaration of conformity

GRENDS GmbH hereby declares that the CK 2301 radio-controlled alarm clock complies with Directives 2014/53/EU and 2011/65/EU.

The full text of the EU declaration of conformity is available at the following Internet address: **www.ade-germany.de/doc**
This declaration loses its validity if any modification is made to the alarm clock that has not been agreed with us in advance.

Hamburg, April 2023
GRENDS GmbH

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Warranty

GRENDS GmbH warrants for 2 years from the date of purchase that it will remedy any defects due to faulty material or workmanship free of charge by repair or replacement.
In the event of a warranty claim, please return the product with the proof of purchase (specifying the reason for claim) to your dealer.

Disposal

Disposing of the packaging

Dispose of the packaging with similar materials. Put cardboard with waste paper, films with recyclable materials.

Disposing of the product

Dispose of the product in accordance with the regulations that apply in your country.

Devices must not be disposed of in normal household waste.
At the end of their life, the products must be disposed of in an appropriate way. In this way, valuable materials contained in the device will be recycled and the burden on the environment avoided. Hand in the old device at a collection point for electronic waste or at a recycling depot.
For more information, contact your local waste disposal firm or your local administrative body

Recyclable and disposable batteries do not belong in household waste.
All batteries must be handed in at a collection point in your community, suburb, or at the retailer. Such batteries can thus be disposed of in an environmentally friendly way.

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Documents / Resources

ADE CK 2301 Radio Controlled Clock With XL Display [pdf] Instruction Manual
CK 2301 Radio Controlled Clock With XL Display, CK 2301, Radio Controlled Clock With XL Display, Clock With XL Display, XL Display

References

- **Downloads - ADE Germany**