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Please read the manual carefully and familiarize yourself with the functions of the alarm clock before using it.

Retain these instructions for future reference and pass them on together with the device when you pass on the device to other users.

These instructions can also be downloaded from our website as a pdf file.

Intended Use

This radio alarm clock is used to display the time, date and temperature as well as to wake up with alarm sound. Use the product exclusively for the intended purpose! It is not suitable for commercial use.

General safety information

This unit can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been instructed concerning the safe use of the appliance and have understood the resulting risks. Children should never play with the device. Cleaning and user maintenance must not be performed by children without supervision.

Only use the supplied adapter model HX0180450150D2E.

The adapter may only be used in dry indoor areas.

If the housing of the adapter or the connection cable is damaged, the adapter must be disposed of and replaced with a new adapter of the same type.

- This main unit is intended to be used only indoors in a dry environment.
- Do not subject the unit to excessive force or shock.
- Do not expose the unit to extreme temperatures, direct sunlight, dust or humidity.
- Do not immerse in water.
- Avoid contact with any corrosive materials.
- Do not dispose this unit in a fire as it may explode.
- Do not open the inner back case or tamper with any components of this unit.
- The unit must not be exposed to dripping or splashing
- No objects filled with liquids, such as vases, must be placed on the unit.

Batteries safety warnings

- Use only alkaline batteries, not rechargeable batteries.
- Install batteries correctly by matching the polarities (+/-).
- Clean battery and device contacts before loading as required.
- Avoid contact with skin, eyes and mucous membranes. Rinse the battery affected by battery acid. Immediately call a physician immediately.
- Always replace a complete set of batteries.
- Never mix used and new batteries.
- Only use batteries of the same type, do not use different types or used and new batteries.
- Remove exhausted batteries immediately.
- Remove batteries when not in use.
- Do not recharge and do not dispose of batteries in fire as the batteries may explode.
- Do not short-circuit batteries or keep them away from other metal objects.
- Do not disassemble batteries.
- Ensure batteries are stored away from metal objects as contact may cause a short circuit.
- Avoid exposing batteries to extreme temperature or humidity or direct sunlight.
- Keep all batteries out of reach from children. They are a choking hazard. Seek immediate medical advice if a battery is swallowed.

Scope of delivery

Remove the parts of the packaging and check its completeness.

Keep packaging materials and protective foils away from children. Danger of suffocation!


1 Radio-controlled alarm clock

- 1 AC/DC adapter for alarm clock
- 1 User manual with warranty card

Specifications and functions

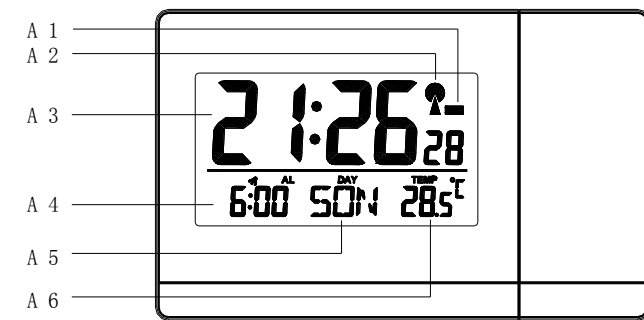
- Radio controlled DCF-77 clock
- 12/24 hour time format
- Time zone setting ($\pm 12h$)
- Manual time setting
- Projection of the time
- Date and weekday display (7 languages)
- Temperature alternatively in $^{\circ}C$ or $^{\circ}F$
- Alarm and automatic snooze function
- Indoor measurement range: $-9.9^{\circ}C \sim 49.9^{\circ}C$
- Power: DC-adapter (included), battery 1.5V "AAA" LR03 size x 2 pcs (not included)
- Input xxy V $\overline{\text{---}}$, xxy mA
- Protection class II

Power:

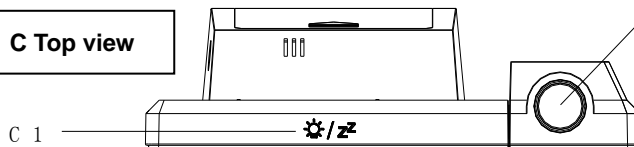
- Batteries: 2 x batteries 1.5V "AAA" LR03 (not included in scope of delivery)
- Adapter: Modell HX0180450150D2E,
Input 230-240 V~ 50 Hz, 50 mA
Output 4,5V, $\overline{\text{---}}$, 150 mA
- Protection class II
-  only suitable for dry interiors

Structure:

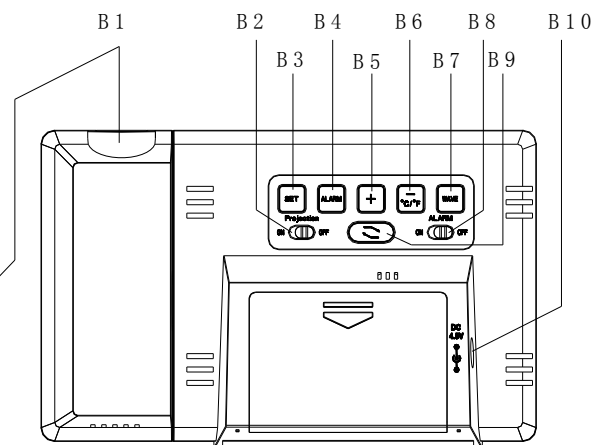
A Front view



C Top view



B Back view



Part A-Positive LCD

- A1: TimeDST icon
- A2: Radio Controlled Icon
- A3: Time

A4: Date and alarm
A5: Day
A6: Indoor Temperature

Part B – Back button and power

B1: Projection window
B2: Projection Switch(ON/OFF)
B3: “SET” button
B4: “ALARM” button
B5: “+” button
B6: “-” button
B7: “WAVE” button
B8: Alarm Switch(ON/OFF)
B9: Projection rotate button
B10: DC-Adapter input jack and battery compartment

Part C – TOP Touch button

C1: Snooze/light Touch button

Operating conditions

Set the alarm clock in a dry interior and protected from direct sunlight. Ensure that the mains plug is freely accessible in order to quickly disconnect the device from the mains in case of a fault.

Initial operation

1. Connect the included power supply with the socket on the backside
2. Alternatively you can use batteries. Open the clocks battery compartment cover.
3. Insert 2 x AAA batteries observing polarity [“+” and “-“ marks] and close the clocks battery compartment cover.
4. When you insert the batteries, all icons on the LCD display will light up for 3 seconds, you will hear a beep tone and the clock detects indoor temperature.
5. Then the clock will enter the radio controlled time signal reception mode.

Inserting batteries

In order to keep your settings on the device when you take the device off the mains, the radio alarm can also be operated with batteries.

1. Open the clocks battery compartment cover and remove the old batteries.
2. Insert 2 x AAA batteries observing polarity [“+” and “-“ marks] and close the clocks battery compartment cover.

Backlight and Projection function

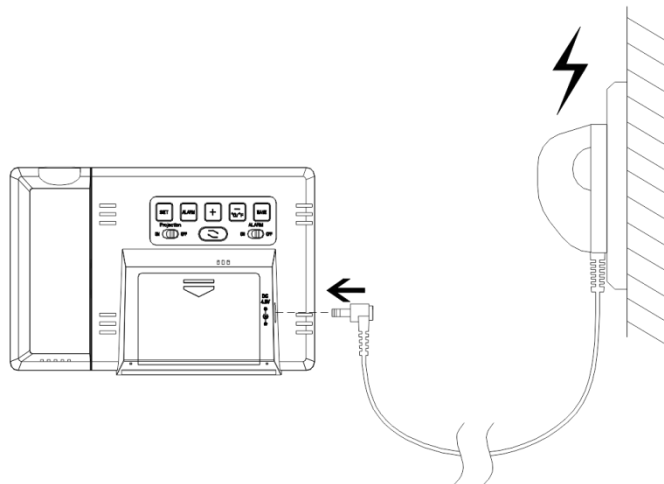
A permanent projection and a permanent background lighting in the display are only possible during operation with the power supply.

In Battery Mode

Touch once **“SNOOZE/LIGHT”** button to active backlight and projection for 8 seconds (the projection switch in **“ON”** position)

In DC-adapter Mode

When using the DC-adapter supply, touch the **“WAVE”** button can choose high brightness / low brightness / no backlight brightness. The projection will always work unless the projection switch is placed in the **“OFF”** position.



Please note:

When the projection is triggered, the projection distance is about 2 meters.

Environmental reception effects

The clock obtains the accurate time with wireless technology. Same as all wireless devices, the reception is maybe affected by the following circumstances:

- long transmitting distance
- nearby mountains and valleys
- near freeway, railway, airports, high voltage cable etc.
- near construction site
- among tall buildings
- inside concrete buildings
- near electrical appliances (computers, TV's, etc) and metallic structures
- inside moving vehicles

Place the clock at a location with optimal signal, i.e. close to a window and away from metal surfaces or electrical appliances.

Reception of the Radio signal

- The clock automatically starts the DCF signal search of any restart or changing of new fresh batteries. The radio mast icon starts to flash.
- At 1:00 /2:00 / 3:00 am, the clock automatically carries out the synchronization procedure with the DCF signal to correct any deviations to the exact time. If this synchronization attempt is unsuccessful (the radio mast icon disappears from the display), the system will automatically attempt another synchronization at the next full hour. This procedure is

repeated automatically up to total 5 times.

- To start manual DCF signal reception, press and hold down the “WAVE” button for two seconds. If no signals received within 7 minutes, then the DCF signal search stops (the radio mast icon disappears) and start again at the next full one hour.
- During RC reception, to stop searching radio signal, press the “WAVE” button once.

Please note:

- A flashing radio mast icon indicates that the DCF signal reception has started
- A continuously displayed radio mast icon indicates that the DCF signal was received successfully
- We recommend a minimum distance of 2.5 meters to all sources of interference, such as televisions or computer monitors
- Radio reception is weaker in rooms with concrete walls (e.g.: in cellars) and in offices. In such extreme circumstances, place the system close to the window.
- During the radio controlled clock signal receive mode, only the “SNOOZE” and “WAVE” button function, other buttons have no function. If you want to carry out other functions, please press “WAVE” button to stop the receiving mode.

Manual time setting

1. Press and hold down the “SET” button for 2 seconds, the 12/24 hour mode display starts to flash. Now use “+” and “-” buttons to set the 12/24 hour mode.
2. Press “SET” button to confirm your setting, the Time zones start to flash, Now use “+” and “-” buttons set the time zone (-12 to +12). For Germany the time zone is 0, for UK it is -1.
3. Press “SET” to confirm your setting, the hour display starts to flash. Now use “+” and “-” buttons to set the hour.
4. Press “SET” to confirm your setting, the Minute displays starts to flash. Now use “+” and “-” buttons to set the minute.
5. Press “SET” button to confirm your setting, the Month and Date icon display starts to flash. Now use “+” and “-” buttons to set the date display on Month/Date or Date/Month.
6. Press “SET” button to confirm your setting, the Year display 2015 starts to flash. Now use “+” and “-” buttons to set the year.
7. Press “SET” button to confirm your setting, the Month display starts to flash. Now use “+” and “-” buttons to set the month.
8. Press “SET” button to confirm your setting, the Date display starts to flash. Now use “+” and “-” buttons to set the date.
9. Press “SET” button to confirm your setting, the language selection for the Weekday displays starts to flash. Now use “+” and “-” buttons to select a language.

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
German, GER	SON	MON	DIE	MIT	DON	FRE	SAM
English, ENG	SUN	MON	TUE	WED	THU	FRI	SAT
French, FR	DIM	LUN	MAR	MER	JEU	VEN	SAM

Italian, ITA	DOM	LUN	MAR	MER	GIO	VEN	SAB
Spanish, SPA	DOM	LUN	MAR	MIE	JUE	VIE	SAB
Dutch, DUT	ZON	MAA	DIN	WOE	DON	VRI	ZAT
Danish, DAN	SON	MAN	TIR	ONS	TOR	FRE	LOR

10. Press “**SET**” to confirm your setting and to end the setting procedures.

Please note:

After 20 seconds without pressing any button, the clock switches automatically from Set Mode to Normal Time Mode.

Daily alarm setting

1. Please toggle the alarm switch to ON position, LCD display the “🔔” icon, the alarm function is ON, toggle the alarm switch to OFF position, the “🔔” icon will disappears from the display, the alarm function is OFF.
2. Press “**ALARM**” button once, to switch display to alarm time.
3. Press and hold “**ALARM**” button for 2 seconds until hour of the Alarm time starts to flash. Use the “+” and “-” buttons to set the required hour.
4. Press “**ALARM**” button to confirm your setting, The Minute of the Alarm time starts to flash. Use the “+” and “-” buttons to set the minute.
5. Press “**ALARM**” button to confirm your setting. The snooze time of the Alarm starts to flash. Use the “+” and “-” buttons to set the Snooze time.
6. Press “**ALARM**” button to confirm your setting and to end the setting procedure.

Please note:

- After 20 seconds without pressing any button the clock switches automatically from setting mode to Normal clock mode.
- The alarm tone is heard for 2 minutes, changing 4 x its frequency when no key is pressed to stop. In this case the alarm will be repeated automatically after 24 hours.

Switching off the alarm signal

Press any button except the “**Snooze**” button to stop the alarm signal. It is not necessary to reactivate the alarm. It switches itself automatically to the alarm time which has already been set.

Snooze function

Touch the “**Snooze**” button the alarm signal sounds to get to SNOOZE mode. The alarm signal sounds again after the Snooze time that has been set.

Switching °C or °F

Press once “-” button to switching the temperature unit in °C or °F.

Cleaning

Always unplug the power cord before cleaning.

Clean the radio alarm clock only with a dry cloth.

Disposal

Packaging

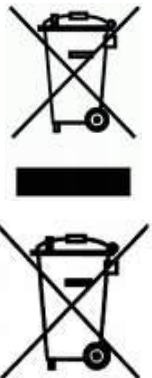
Product packaging consists of recyclable materials. Dispose of it in an environmentally friendly and pure way in the provided collection containers.

Electronic waste and batteries

Electronic waste and batteries must not be disposed of with normal household waste.

According to Directive 2012/19/EU, the device is to be supplied to a proper disposal at the end of its working life. Here reusable materials contained within the device will be supplied to the recycling process and environmental pollution will be avoided. Submit the old device to a collection point for electronic waste or a recycling center.

Remove the batteries from the device before disposing and dispose of them separately. Every consumer is legally obliged to dispose of used batteries to a collection point for used batteries at a recycling center or battery point of sale.



Please contact your local disposal company or your municipal administration for further information.

Consideration of duty according to the battery law

Old batteries do not belong to domestic waste because they could cause damages of health and environment. You can return used batteries free of charge to your dealer and collection points. As end-user you are committed by law to bring back needed batteries to distributors and other collecting points!

Technotrade Import-Export GmbH

Gewerbepark 10

15745 Wildau

Service Hotline: +49 3375 216064

Cost: normal costs in the German fixed network, provider dependent

E-Mail: service@technotrade-berlin.de