Bedienungsanleitung
Operating Instructions
Mode d'emploi
Istruzioni
Instrucciones para el manejo
Gebruiksaanwijzing

ROHS

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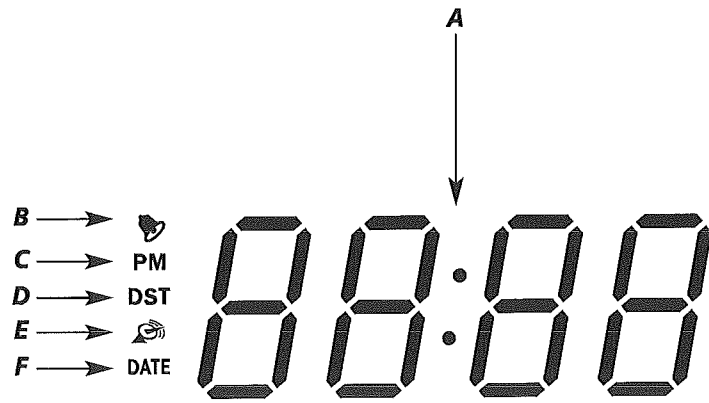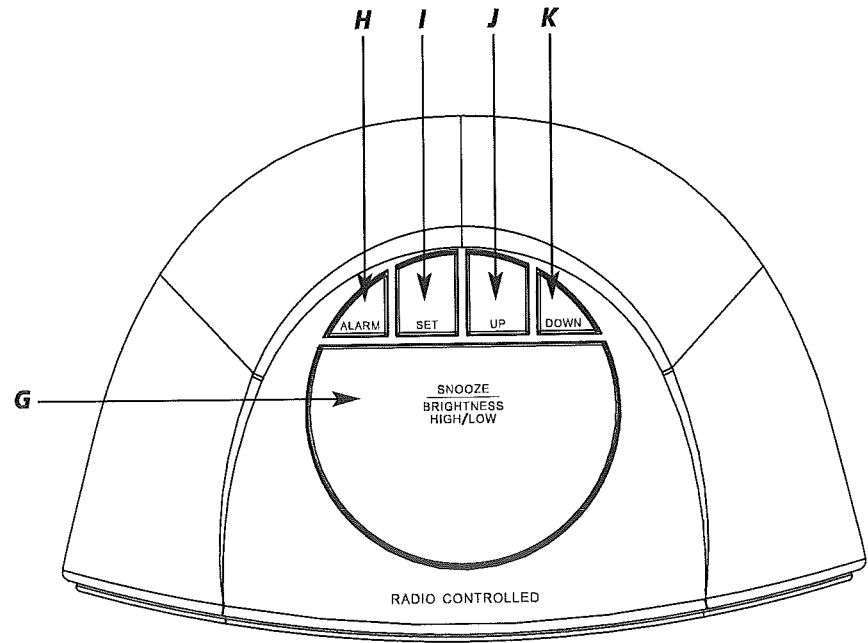*Kat. Nr. 60.2505*

Fig. 1

Fig. 2

A

B
C PM
D DST
E
F DATE

H   I   J   K

ALARM SET UP DOWN

G

SNOOZE
BRIGHTNESS
HIGH/LOW

RADIO CONTROLLED

Funkwecker Ⓓ

11. Technische Daten

Spannungsversorgung:	Batterien 3 x 1,5 V AAA, Netzstecker DC 4,5 V
Gehäusemaße:	78 x 170 x 110 mm
Gewicht:	375 g (mit Batterien und Netzteil)

EU-Konformitätserklärung
Wir erklären hiermit, dass diese Funkanlage die wesentlichen Anforderungen der R&TTE Direktive 1999/5/EG erfüllt.
Eine Kopie der unterschriebenen und mit Datum versehenen Konformitätserklärung erhalten Sie auf Anfrage unter

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Radio-controlled clock ⒼⒷ

Thank you for choosing this instrument from

1. Before you use it
- **Please be sure to read the instruction manual carefully.** This information will help you to familiarise yourself with your new device, learn all of its functions and parts, find out important details about its first use and how to operate it, and get advice in the event of faults.
- **Following the instruction manual for use will prevent damage to the device and loss of your statutory rights arising from defects due to incorrect use. We shall not be liable for any damage occurring as a result of not following these instructions.**
- **Please take particular note of the safety advice!**
- **Please look after this manual for future reference.**

2. Scope of supply
- Alarm clock
- Batteries 3 x 1,5 V AAA.
- AC/DC power adaptor
- Instruction manual

3. Field of operation and all of the benefits of your new instrument at a glance
- Highest precision radio-controlled clock
- Large, red LED digits
- With time zone and manual setting option
- Calendar (date, month)
- Alarm with snooze function

Radio-controlled clock

4. For your safety

- *The product is exclusively intended for the field of application described above. The product should only be used as described within these instructions.*
- *Unauthorised repairs, modifications or changes to the product are prohibited.*
- *The product is not be used for medical purpose or for public information, but is intended only for home use.*

⚠ **Caution!**
Risk of electrocution!

- *Plug the basic unit only into a socket installed in regulation manner and with a mains voltage of 230V!*
- *The basic unit and the mains adapter must not come into contact with water or moisture. Only suitable for operation in dry interiors.*
- *Do not use the unit if the housing or the main adapter is damaged.*
- *Keep the unit out of reach of persons (including children) who cannot fully appreciate the potential risks of handling electrical equipment.*
- *Pull the plug out of the socket immediately if any fault occurs or if the unit is not used for a lengthy period.*
- *Only use the supplied mains adapter.*
- *Do not pull the plug out of the socket by its lead.*
- *Route the mains lead so that it does not come into contact with sharp-edged or hot objects.*

Radio-controlled clock

⚠ **Caution!**
Risk of injury!

- *Keep the batteries out of reach of children.*
- *Batteries must not be thrown into the fire, short-circuited, taken apart or recharged. Risk of explosion!*
- *Batteries contain harmful acids. Low batteries should be changed as soon as possible to prevent damage caused by a leaking battery. Never use a combination of old and new batteries together, nor batteries of different types. Wear chemical-resistant protective gloves and glasses when handling leaked batteries.*

⚠ **Important information on product safety!**

- *Do not place any objects on the basic unit.*
- *Do not place the unit near extreme temperatures, vibration or shock.*

5. Elements

LCD (Fig. 1)

A: Clock / Date
B: Alarm symbol
C: PM (for 12-HR-system)
D: DST (Daylight Saving Time)
E: DCF signal
F: DATE (for date display)

Radio-controlled clock

Buttons (Fig. 2+3)

G: SNOOZE/BRIGHTNESS button
H: ALARM button
I. SET button
J: UP button
K: DOWN button
L: WAVE button

Housing (Fig. 2+3)

M: Battery compartment
N: Power adapter

6. Getting started

- Pull off the protection foil on the display.
- Insert the three batteries (3 x 1,5 V AAA). Ensure batteries polarity are correct. Connect the power adapter to a wall socket. A brief beep tone will sound and all LCD segments will light up for about 2 seconds. The batteries will operate as a backup power source in case of power failure.
- **Important!** Make sure that your household voltage is 230V! Otherwise your clock may be damaged.
- The clock will now scan the DCF frequency signal and the DCF symbol flashes on the LCD. When the time code is received successfully after 3-10 minutes, the radio-controlled time is displayed and the date and the DCF symbol are displayed steadily in the LCD.
- If the reception fails, scanning stops and will be repeated between 1.00 and 5.00 am.
  Important: The display will be switched off while scanning the DCF signal.

Radio-controlled clock

- Manual initialization can be helpful. Press and hold **WAVE** button for 3 seconds. A brief beep tone will sound and the clock will scan the DCF frequency signal.
- If the clock cannot detect the DCF-signal (for example due to disturbances, transmitting distance, etc.), the time can be set manually. The clock will then work as a normal quartz clock. (see 7.1 Manual setting of clock, time zone and calendar).

6.1 Radio-controlled time reception

The time base for the radio-controlled time is a caesium atomic clock operated by the Physikalisch Technische Bundesanstalt Braunschweig. It has a time deviation of less than one second in one million years. The time is coded and transmitted from Mainflingen near Frankfurt via frequency signal DCF-77 (77.5 kHz) and has a transmitting range of approximately 1,500 km. Changeover from summer time or winter time are automatic. The quality of the reception depends mainly on the geographic location. Normally there should be no reception problems within a 1,500 km radius around Frankfurt.

Please take note of the following:

- Recommended distance to any interfering sources like computer monitors or TV sets is at least 1.5 - 2 metres.
- Inside ferro-concrete rooms (basements, superstructures), the received signal is naturally weakened. In extreme cases, please place the unit close to a window to improve the reception.
- During nighttime, the atmospheric interference is usually less severe and reception is possible in most cases. A single daily reception is adequate to keep the accuracy deviation below 1 second.
- After the reception of the radio-controlled time you can set the alarm time (see 7.3 Setting of alarm clock).

Radio-controlled clock

7. Operation

- *Important: Buttons will not function while scanning DCF signal.*
- *During the operation, all successful settings will be confirmed by a brief beep tone.*
- *The instrument will automatically quit the setting mode if no button is pressed within 20 seconds.*
- *Press and hold UP or DOWN button in the setting mode for fast running.*

7.1 Manual setting of clock, time zone and calendar

- *Press and hold SET button in normal mode. A brief beep tone will sound. 00 is flashing. Press UP or DOWN buttons the time zone (+12/-12).*
- *The time zone setting is needed for countries where the DCF signal can be received but the time zone is different from the German time.*
- *Press SET button to make the settings in the following sequence: Hours, minutes, year, month and day. Press UP or DOWN button to adjust it.*
- *Confirm with SET button.*
- *The manually set time will be overwritten by the DCF time when the signal is received successfully*
- *Press SET button to change between time and date (DATE appears on the display).*

7.2 12 and 24 hours system indication

- *Press DOWN button in normal mode to choose 12 HR or 24 HR system.*
- *A brief beep tone will sound.*
- *In 12 HR system AM or PM appears on the display.*

Radio-controlled clock

7.3 Setting of alarm clock

- *Press and hold ALARM button.*
- *A brief beep tone will sound.*
- *🕭 flashes on the LCD of the display.*
- *The hour digit is flashing. Press UP or DOWN button to adjust the hours.*
- *Press ALARM button again and you can adjust the minutes with the UP or DOWN button.*
- *Confirm with ALARM button.*
- *The display shows the current time.*
- *Press ALARM button again and the alarm function is activated.*
- *🕭 appears on the display.*
- *Once the alarm starts to ring (3 different sounds), you can stop the alarm by pressing any button.*
- *You can activate the snooze function by pressing the SNOOZE/BRIGHTNESS button on the top.*
- *🕭 flashes and the alarm will be interrupted for 4 minutes.*
- *To turn off the alarm function, press again the ALARM button.*

7.4 Backlight

- *To activate the brightness of the backlight (2 levels), press SNOOZE/BRIGHTNESS button.*

8. Care and maintenance

- *Clean it with a soft damp cloth. Do not use solvents or scouring agents. Protect from moisture.*
- *Remove the batteries if you do not use the product for a lengthy period.*
- *Keep the instrument in a dry place.*

Radio-controlled clock   (GB)

9. Troubleshooting

Problems	Solution
No display	→ Connect unit to main adapter
No DCF reception	→ Press **WAVE** button for 3 seconds → Manual time setting → Wait for attempted reception during the night
Incorrect display	→ Reset the instrument

If your device fails to work despite these measures contact the supplier from whom you purchased it.

10. Waste disposal

This product has been manufactured using high-grade materials and components which can be recycled and reused.

Never dispose empty batteries and rechargeable batteries in household waste.
As a consumer, you are legally required to take them to your retail store or to appropriate collection sites depending to national or local regulations in order to protect the environment.

The symbols for the heavy metals contained are:
Cd=cadmium, Hg=mercury, Pb=lead

Radio-controlled clock   (GB)

This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE).
Please do not dispose of this instrument in household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal.

11. Specifications

Power consumption:	Batteries 3 x 1.5 V AAA, power adapter DC 4.5 V
Housing dimension:	78 x 170 x 110 mm
Weight:	375 g (with batteries and adapter)

DECLARATION OF CONFORMITY
Herewith we declare, that this wireless transmission device does comply with the essentials requirements of R&TTE Directive 1999/5/EC.
A copy of the signed and dated Declaration of Conformity is available on request via

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