R&TTE Directive 1999/5/EC
To be used in EC Member and EFTA States.

Summary of the Declaration of Conformity : We hereby declare that this
wireless transmission device does comply with the essential requirements
of R&TTE Directive 1999/5/EC.

Please help in the preservation of the environment and return used batteries to an authorized depot.

MAINTENANCE:
- Avoid placing alarm clock in areas prone to vibration and shock as these may cause damage and inaccurate readings
- Avoid exposure to sudden changes in temperature such as direct sunlight, extreme cold and wet or moist conditions
- When cleaning the display and casing, use a soft damp cloth only. Do not use solvents or scouring agents as they may mark the LCD and casing
- Do not submerge the alarm clock into water
- Do not make or attempt to make any repairs to the alarm clock. Return it to its original point of purchase for repair by a qualified engineer. Opening and tampering with the Unit may invalidate its guarantee

SPECIFICATIONS:
- Recommended operating
  temperatures   :   0ºC to +50ºC
- Radio controlled time signal :   DCF-77
- Power source   :   1 x AA, IEC LR6 1.5V battery
- Battery life   :   Approximately 12 months
(Alkaline battery recommended)
- Dimensions (L x W x H)   :   76 x 38 x 105 mm

LIABILITY DISCLAIMER:
- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.
- This product is not to be used for medical purposes or for public information.
- The specifications of this product may change without prior notice.
- This product is not a toy. Keep out of the reach of children
- No part of this manual may be reproduced without written consent of the manufacturer.

2. When the desired time zone is selected, either press the SNOOZE key or wait approximately 6 seconds for the LCD to automatically return to the time display.

Note:
If the time is set to another time zone other than time zone "0" (GMT), the calendar will not be displayed on the LCD

SNOOZE SETTING:

Alarm time ⎯⎯⎯⎯⎯ **6:00** 00

To use the Snooze feature, simply press the SNOOZE key when the alarm is sounding and the alarm will snooze for 5 minutes from the beginning of the next full minute before automatically sounding again. For example, if the SNOOZE key is pressed 12 seconds into the alarm sounding, then the alarm will sound five minutes from when the time reaches 00 seconds.

Note:
When the alarm is snoozing, the alarm icon (((•))) will be flashing indicating that the alarm is active but is in Snooze mode.
The use of the SNOOZE key will also display the time set for the alarm.

LCD BACK-LIGHT:
The LCD back-light is automatically switched ON when any one of the 3 function keys are pressed. The back-light will be switched on for approximately 2 seconds before automatically switching OFF. However, if any of the keys are pressed and held down, then back-light will remain ON constantly until the key is released.
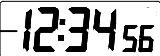
REPLACING BATTERIES:
- For optimum running accuracy, batteries should be replaced at least once a year or when the LCD contrast becomes dim or unclear.
- Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended size.

To set the alarm ON/OFF, press the ALARM/STUNDE key until the (((•)))
icon appears = ON or disappears = OFF.
By holding the SNOOZE key down (for approximately 3 seconds), the
alarm time set will be displayed.

MANUAL TIME SETTING:

In some cases after inserting the batteries, the alarm clock may not be
able to receive the DCF-77 signal due to for example high levels of
interference. In this situation, the time should be manually set as follows:

Time Display ——— **12:34** 56

1. Remove the battery and after approximately 30 seconds, re - insert the
    battery again.
2. When all the LCD segments light up, press and hold down the
    ALARM/MINUTE key until the time "0:00" on the LCD starts flashing.
3. Manually set the time by pressing the ALARM/STUNDE key to set the
    hour and ALARM/MINUTE key to set the minutes.
4. Once the time is set, either press the SNOOZE key or wait
    approximately 6 seconds for the LCD to automatically exit the manual
    time setting mode.

TIME ZONE SETTING:

0 ——— Time zone

The time zone default of the alarm clock is 0. It can be set to a different
time zone (±9 hours). To change the time zone:
1. Press and hold the ALARM/MINUTE key (for approximately 3
    seconds). Using the ALARM/MINUTE key again, select the desired
    time zone. The range runs from 0 to +9 and then runs from -9 back to
    0 in consecutive 1 hour intervals.

	:	Back-light On
ALARM/MINUTE	:	Set the minutes in manual time setting
	:	Display the calendar
	:	Set the time zone
	:	Set the alarm time
	:	Stop the alarm
	:	Back-light On

CRESCENDO ALARM

When the alarm is activated, it sounds as followed:

From 0 to 26 seconds	:	2 short gentle and continuous beeps
From 27 to 54 seconds	:	4 short continuous beeps
From 55 seconds to 1 minute		
35 seconds	:	short continuous beeps

Note:
The alarm will automatically cut off after a time of 1 minute and 35 seconds if it is not switched off and will not sound again until the same time on the following day.

ALARM SETTING:

Alarm symbol

Alarm Time

6:00 AL

1. Press and hold the ALARM/STUNDE key until the (((•))) and AL icons appears and the time starts flashing
2. When the time digits start flashing, set the alarm hour with the ALARM/STUNDE key and minutes with the ALARM/MINUTE key
3. Once the alarm time is set, press either SNOOZE key or wait approximately 6 seconds for the LCD to automatically exit the alarm time setting

Note:
Ensure that the (((•))) icon is displayed on the LCD otherwise the alarm will not sound when the alarm time is reached.

general direction of the Frankfurt transmitter (avoid placing near metal frames and structures)

Note:
Users may be located in areas where atmospheric disturbances are the direct result of not receiving the DCF-77 signal. During nighttime, atmospheric disturbances are usually less severe and reception is possible in most cases. With a single daily reception, it is adequate for the alarm clock to keep time deviation to below 0.5 seconds in a period of 24 hours.
When reception is successful, the DCF-77 tower icon will stay fixed on LCD, the radio controlled time will automatically correct the manually set time and the date will be displayed accordingly in the calendar section.

CALENDAR DISPLAY:
To view the calendar:

Date display ——— **IO. IO.** ———— Month display

1. Press the ALARM/MINUTE key. The calendar will be displayed for about 8 seconds before returning to normal mode display.

Note:
- If the radio controlled time (DCF-77) has not been received, then the alarm clock will not display the calendar. Once the calendar is displayed it can not be changed since it follows the DCF-77 signal.
- If the time has been manually set, the calendar will not be displayed.
- The calendar will not be displayed if the time zone is set to a different time zone other than GMT "0"
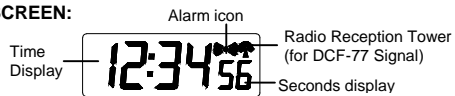
FUNCTION KEYS:
The radio-controlled alarm clock uses the following keys:

SNOOZE   :   Snooze function
                     :   Back-light On
ALARM/STUNDE :   Set the hour in manual time setting
                     :   Set the alarm time
                     :   Stop the alarm

1. Insert 1 x AA, IEC LR6, 1.5V battery into the battery compartment and replace the cover.
2. Once the batteries are in place, all segments of the LCD will light up briefly and a short signal tone will sound before entering into the radio controlled time reception mode.

LCD SCREEN:

Alarm icon

Time Display

Radio Reception Tower (for DCF-77 Signal)

Seconds display

RADIO CONTROLLED TIME:
The time base for the radio controlled time is a Cesium Atomic Clock operated by the Physikalisch Technische Bundesanstalt Braunschweig which has a time deviation of less than one second in every 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. The alarm clock receives this signal and converts it to show the precise time and so when within this range the received time is completely accurate.

CHECKING FOR DCF-77 RECEPTION:
The alarm clock will automatically start scanning for the DCF-77 frequency signal after the battery is inserted. In normal surroundin gs, it takes between 3 - 5 minutes to receive the signal. If after 10 minutes of inserting the battery and the DCF-77 signal is not received, then check the following list before manually setting the time (see **Manual time setting** below):
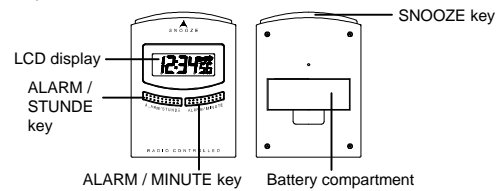• The distance of the alarm clock should be at least 1.5 - 2.0 meters away from interfering sources such as computer monitors or TV sets
• Avoid placing the alarm clock onto or in the immediate proximity of metal, doors, windows frames or structures
• Within thick concrete rooms such as basements and tower blocks, the DCF-77 signal is naturally weaker (In extreme cases, place the alarm clock closer to a window and/or point its front or rear towards the

LCD ALARM CLOCK
Instructions manual

INTRODUCTION:

Congratulations on purchasing this Alarm Clock with DCF-77 radio-controlled time. The operation of this product is simple and straightforward and by reading this operating manual, users will receive the optimum benefits of all its features.

LCD display

ALARM / STUNDE key

ALARM / MINUTE key   Battery compartment

SNOOZE key

FEATURES:

- DCF-77 Radio controlled clock with manual settings
- 24 hour time display
- Calendar display (day and month)
- Time zone setting (±9 hours)
- Alarm with snooze function
- LCD back-light

SETTING UP:

Battery compartment

Battery cover