ENGLISH

DIGITAL RADIO-FREQUENCY (RF) CONTROLLED CLOCK
MODEL: RM802 (UK VERSION RM803)
INSTRUCTION MANUAL

INTRODUCTION
Congratulations on your purchase of the RF controlled Clock (RM802).
The RM802 / RM803 is a multifunction (RF) controlled clock. It can automatically synchronize its current time and date when brought within an approximate 1500 km radius of the radio signal DCF77 generated from Frankfurt, Germany (the UK version from MSF Rugby, England).
Other features of the RM802 include:
- Back light for easy reading in the dark.
- Displays time, date and day of the week in 4 languages (EN/FR/ES/DE)
- A second time-base display with time, date and day-of-the-week.
- 2 alarm tones with 5-minute snooze function.
- 5-minute crescendo alarm that increases in volume & low battery indication.

DESCRIPTION OF PARTS (FIG. A)
A. [P] Radio reception signal
Indicates the condition of radio reception.
B. 2-line LCD
C. [P] (ON/OFF) button
Toggles between calendar and alarm time displays.
Activates or deactivates alarm.
D. [(1)/(2)/(3)/[OFF] button
Displays the alarm time or sets the alarm status.
E. [RF] Battery low indicator
Lights up when batteries are running low.
F. (1)(12) Alarm icon
Appears when the alarm is displayed.
G. [P] Alarm-on button
Appears when the alarm is activated.
H. (MODE/SET) button
Toggles between display modes and activates the calendar clock setting mode.
I. (ON/OFF) button
Activates the snooze function when an alarm activates, or turns off the back light for 5 seconds.
J. UP (+) button
Increases the value of a setting.
Indicates radio reception
(Yes and hold for rapid setting).
K. DOWN (-) button
Decreases the value of a setting.
Stops radio reception
(Yes and hold for rapid setting).
L. Battery compartment
Accommodates two UM-4 or "AAA" size batteries.
M. Table stand

BATTERY INSTALLATION
The unit uses two (2) UM-4 or "AAA" size 1.5V batteries.
To insert batteries:
1. Pull the back cover as indicated.
2. Insert the batteries according to the polarity shown therein.(FIG. B)
3. Replace the battery compartment door.

Note: Battery low indicator "RF"
Replace the batteries when the battery low indicator lights up.

ABOUT RADIO RECEPTION
The RM802 / RM803 is a radio frequency (RF) controlled clock. When located within a 1500km radius of radio signal (DCF77) at Frankfurt, Germany*, the clock time will automatically synchronize. The benefit of a RF controlled clock is that highly accurate time is maintained and manual adjustments to the time and date are not required.

*UK version within a 1500km radius of radio signal (MSF) from Rugby, England.

After the initial search, short periodic reception signal scans will commence several times a day.
When the batteries are first installed, the RM802 / RM803 will automatically search for a radio signal.
When in search mode, the antenna icon [T] will blink. This process takes between two (2) and ten (10) minutes. After initial search, short periodic reception signal scans will commence several times a day.
The antenna icon indicates the quality of reception.

CALENDAR CLOCK DISPLAY MODES
The RM802 / RM803 supports four display modes in the sequence of:

MODE 1
- Local Time
- Hour, Minute, Seconds
- Day, Month

MODE 2
- Local Time
- Hour, Minute, Day-of-the-Week
- Day, Month

MODE 3
- Local Time/Second Time-Zone Time
- Hour, Minute
- Day, Month
- Day, Month

MODE 4
- Second Time-Zone
- Hour, Minute
- Day, Month

Display description for each time / date / time-zone mode:
- Press [MODE/SET]. The display will advance in the order as mentioned above.

Note: Battery low indicator "RF"
Replace the batteries when the battery low indicator lights up.

HOW TO SET THE CALENDAR CLOCK MANUALLY
When the unit is outside of the 1500km radius of the radio signal generated from
DCF77 Frankfurt, Germany (UK version MSF Rugby), the unit may require manual setting.
To manually set the clock:

Steps
Setting
Action
1. Hours
2. Minutes
3. Current Date
4. Month
5. Abbreviated
6. Day-of-the-week
7. Offset for other
   time zones
   Adjust with + or - and confirm with
   MODE/SET
   Adjust with + or - and confirm with
   MODE/SET
   Adjust with + or - and confirm with
   MODE/SET
   Adjust with + or - and confirm with
   MODE/SET
   Adjust with + or - and confirm with
   MODE/SET
   Adjust with + or - and confirm with
   MODE/SET

Note: "ZONE" is shown
(see Time Zone Offset Table FR, CA)
EC-DECLARATION OF CONFORMITY

This product contains the approved transmitter module TX-61 and complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directive, if used for its intended use and that the following standard(s) have been applied:

Efficient use of radio frequency spectrum
(Article 3.2 of the R&TTE Directive)
EN 300 220-1(2-3):1997

Electromagnetic compatibility
(Article 3.1.d of the R&TTE Directive)
EN 55022:1998

Safety of Information Technology equipment
(Article 3.1.a of the R&TTE directive)
EN 60950:1997

Additional information:
The product therefore conforms with the Low Voltage Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

VS-Villingen / Germany August 2001
Gerdter Prins
R&TTE Representative of manufacturer.

CE 0682 C

R&TTE Compliance Countries:
APEC countries, Switzerland, and Norway

CAUTION
- The content of this manual is subject to change without further notice.
- Due to printing limitations, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

ABOUT THE ALARM-TIME
Two independent alarm times are available: alarm 1 and alarm 2.
1. Press [1 1 1 [216 B-Off], alarm-time 1 is displayed and indicated by [EU].
2. Press [1 1 1 [216 B-Off] again, alarm-time 2 is displayed and indicated by [EU].

SETTING AN ALARM TIME
To set an alarm time:
1. Press [1 (1 1 1 [216 B-Off] to select alarm 1. Press again and hold for 3 seconds.
2. Set the alarm time.
   - Press [1 1 1 [100 B-Cmp] to confirm. Press a final time to exit alarm set mode.

Setting Alarm Two
Enter alarm 2 setting mode and follow instructions as for alarm 1.

ABOUT THE ALARM SOUND
The four-step crescendo function allows the alarm to start off gently and step up its intensity four times every 20 seconds. Without interruption, the alarm will activate for a total of two minutes. If a second alarm activates when the first alarm is sounding, the first alarm will be automatically disabled.

To stop an alarm sound:
- Press [1 1 1 [216 B-Off], the alarm will stop for approximately 8 minutes before activating again.
- To disable the alarm, press [1 1 1 [216 B-Off], the alarm will stop and will not activate the following day.
- To disable the alarm, press [1 1 1 [216 B-Off], the alarm will stop and it is not active, it will not activate the following day.

THE TABLE STAND
To set the unit on a flat surface, rotate the table stand outward.

SPECIFICATION
- 24-hour display: 76 x 32 x 16 mm (DCF version only)
- 12-hour display: 76 x 32 x 16 mm (DCF version)
- Day-of-the-week: abbreviations in 4 languages (B, F, D, I)
- Second time zone: current date, time and day
- Dual alarm times: Two (1 minute crescendo)
- Power: Two (2) UM4 or "AAA" size batteries
- Size: 90 x 69 x 32 mm (H x W x D)
- Weight: 76 g (without battery)