



ENGLISH

DIGITAL TRAVEL RADIO-FREQUENCY (RF) CONTROLLED CLOCK

MODEL: RM822 (UK VERSION RM823)  
INSTRUCTION MANUAL

INTRODUCTION

Congratulations on your purchase of the Travel RF controlled Clock (RM822). The RM822 / RM823 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 RM822 include:

- Back light for easy reading in the dark
- Displays time, date and day of the week in 4 languages (E/F/G/I)
- A second time-zone display with time, date and day-of-the-week
- 2 alarm times with 8-minute snooze function
- 2-minute crescendo alarm that increase in volume & low battery indication.

DESCRIPTION OF PARTS [FIG. A]

- A. [ ] Radio reception signal  
Indicates the condition of radio reception
- B. 2-line LCD
- C. [ ] ON/OFF button  
Activates or deactivates alarm
- D. [ ] button  
Toggles between calendar and alarm-time displays  
Displays the alarm time or sets the alarm status
- E. [ ] Battery-low indicator  
Lights up when batteries are running dry
- F. [ ] Alarm-on icon  
Appears when the alarm is activated
- G. [ ] Alarm icon  
Appears when the alarm time is displayed
- H. [MODE] button  
Toggles between display modes and activates the calendar clock setting mode
- I. [ ] button  
To lock all the key of the unit
- J. UP [ ] button  
Increases the value of a setting  
Initiates radio reception  
(Press and hold for rapids settings)
- K. DOWN [ ] button  
Decreases the value of a setting  
Stops radio reception  
(Press and hold for rapids settings)
- L. Battery compartment  
Accommodates two UM-4 or AAA size batteries
- M. Table stand
- N. [RESET] button  
Resets the unit to its original factory settings

BATTERY INSTALLATION

The unit uses two (2) UM-4 or AAA size 1.5V batteries.

To insert batteries:

1. Slide the battery door in the direction of the arrow. [FIG. D]
2. Insert the batteries strictly according to the polarities shown therein.[FIG. B]
3. Replace the battery compartment door.

If not disposed of properly batteries can be harmful. Protect the environment by taking exhausted batteries to authorized disposal stations.

**Note:** Battery-low indicator   
Replace the batteries when the battery-low indicator lights up.

**Note:** After replacing the batteries, the entire display will activate for about 1 second, then LCD will show as in.

ABOUT RADIO RECEPTION

The RM822 / RM823 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 with DCF77 time-signal transmission. The benefit of a RF controlled clock is that highly-accurate time is maintained and manual adjustments to the time and date are not be required.

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

When the batteries are first installed, the RM822 / RM823 will automatically search for a radio signal.

When in search mode, the antenna icon [ ] 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.

	- Strong
	- Weak
	- No signal
	- Receiving

To disable the RF function:

Press and hold the [ ] button for 3-seconds. The radio-reception signal will disappear.

To enable the RF function:

Press [ ] and hold for 3-seconds. The radio-reception signal will appear and a signal search will automatically commence.

Interference

Reception can be affected by a number of factors. For best reception, place the device away from metal objects and electrical appliances.

**Note:** Interference from sources such as TV sets can affect the signal. If, after batteries have been inserted for ten minutes, the signal is not received, then set the time manually (see section: How To Set The Calendar Clock Manually).

LOCKING AND UNLOCKING THE UNIT

The RM822 / RM823 has a special locking feature that locks all keys to prevent accidental operation of the unit. To unlock the unit, slide the [ LOCK ] switch to the unlocked position.

The unit must be unlocked before activating any keys.

CALENDAR CLOCK DISPLAY MODES

The RM822 /RM823 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
( localtime ) Hour, Minute, Day - of - the - Week	
( Second time - zone time ) Hour, Minute	
MODE 4	Second Time-Zone
Hour, Minute, Day-of-the-Week	
Day, Month	

Display description for each time / date / time-zone mode

To select a different time-display mode:

- Press [MODE]. The display will advance in the order as mentioned above.

**Note:** The bottom line of the display will be replaced by the alarm time if [ ] is pressed.

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:

Press [MODE] hold for 3 seconds.

Steps	Setting	Action
1.	Hours	Adjust with  or  and confirm with <b>MODE</b>
2.	Minutes	Adjust with  or  and confirm with <b>MODE</b> <b>Note:</b> Once you modify the minutes, the seconds are set to 00f.
3.	Current Date	Adjust with  or  and confirm with <b>MODE</b>
4.	Month	Adjust with  or  and confirm with <b>MODE</b>
5.	Abbreviated, 4-language day-of-the-week	Adjust with  or  and confirm with <b>MODE</b> (see: abbreviated four language day-of-the-week chart)
6.	Day-of-the-week	Adjust with  or  and confirm with <b>MODE</b>
7.	Offset for other time zone	Adjust with  or  and confirm with <b>MODE</b> <b>Note:</b> ZONEf is shown (see: Time Zone Offset Table) [FIG. C]

**Note:** Adjusting the time may conflict with radio signal. In this case, the received signal takes priority and will override the manual setting.

The day-of-the-week is displayed as an abbreviation in four languages.

Language	Day-of-the-week						
	Monday	Tuesday	Wed.	Thursday	Friday	Saturday	Sunday
English	Mo	Tu	We	Th	Fr	Sa	Su
German	Mo	Mi	Do	Fr	Sa	So	
French	Lu	Ma	Me	Je	Ve	Sa	Di
Italian	Lu	Ma	Me	Gi	Ve	Sa	Do

Abbreviated Four Language Day-Of-The-Week Chart

ABOUT THE ALARM TIME

Two independent alarm times are available: alarm 1 and alarm 2.

1. Press [ ], alarm-time 1 is displayed and indicated by [ ].
2. Press [ ] again, alarm-time 2 is displayed and indicated by [ ].

SETTING AN ALARM TIME

To set an alarm time:

1. Press [ ] to select alarm 1. Press again and hold 3-seconds.
2. Set the alarm time

Steps	Setting	Action
1.	Minutes	Adjust with  or  and confirm with [  ].
2.	Hours	Adjust with  or  and confirm with [  ].

3. Press [ ] 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 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:

- To stop the alarm, press [ ], the alarm will stop and will activate at the same time the following day.
- To disable the alarm, press [ ], the alarm will stop and it is not active, it will not activate the following day.

HOW TO USE THE SNOOZE

The Lite Touch feature enables you to activate the 8 minute snooze by gently rocking the RF clock backwards on its stand with the touch of your fingers. [see FIG.D]

LITE TOUCH HiGlo™ BACKLIGHT

Using the Lite Touch feature, the display will activate for five seconds so you can see the display in the dark. The light then automatically turns off. [see FIG.D]

HOW TO RESET THE UNIT

The RESET button allows you to return all settings to its factory values, which are, 1-1 (1st of January) for date, 00:00 for time and 0:00 for alarm, which will be deactivated.

The button is required only when the unit is not operating in a favorable way, such as in the rare case of a malfunction.

THE TABLE STAND

To use the cover as a stand, rotate the hinges cover over the back of the clock.

SPECIFICATION

- 24-h display : hh : mm : ss (DCF version)
- 12-h display : hh : mm : ss (MSF version)
- Power : Two (2) UM4 or AAA size batteries
- Size : 87 X 67 X 18 mm ( H x W x D )
- Weight : 66 g (without battery)

NOTE ON COMPLIANCE

R&TTE Compliance Note

This device 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) has been applied:

Electromagnetic compatibility (Article 3.1.b of the R&TTE Directive)  
Applied standards ETS 300 683 : 1997  
EN 300 220-1 : 1997 (if applicable)

Efficient use of the radio frequency spectrum (Article 3.2 of the R&TTE Directive)

Applied standards EN300 220 1 : 1997 (if applicable)

CAUTION

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