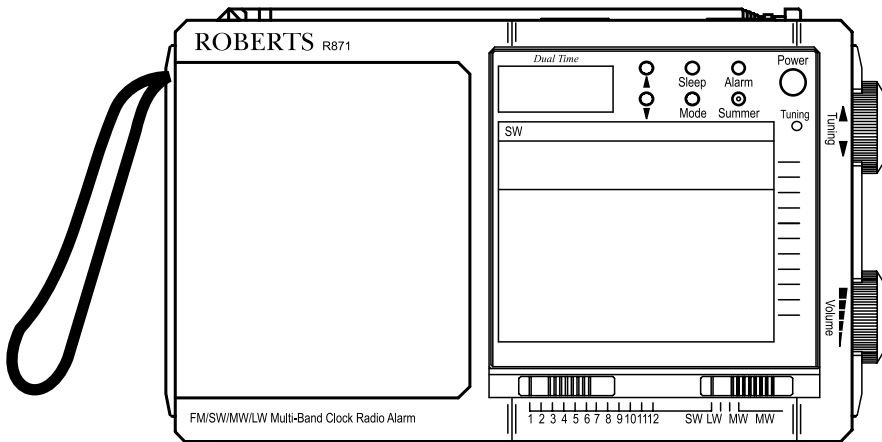


# ROBERTS

Sound for Generations

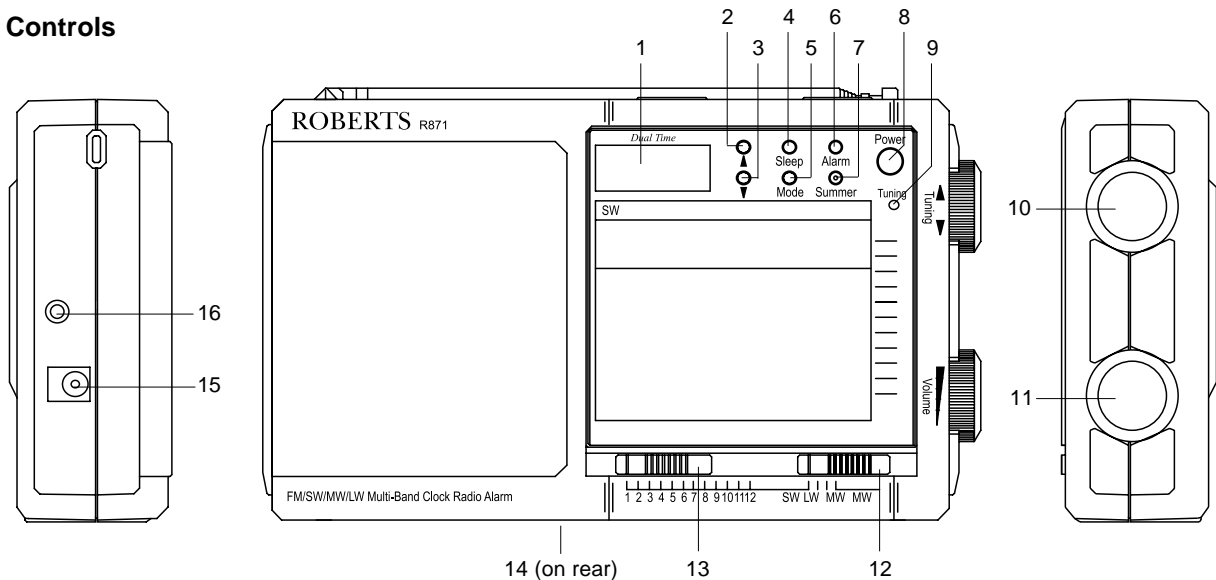
# R871

15 Band FM/SW1-12/MW/LW  
Travel Alarm World Radio



Please read this manual before use

## Controls



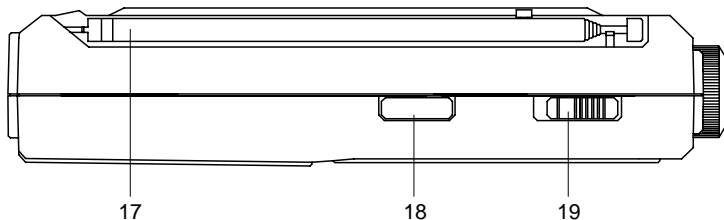
1. Clock display
2. Forward button
3. Reverse button
4. Sleep button

5. Mode button
6. Alarm button
7. Summer button
8. Power button

9. Tuning indicator
10. Tuning control
11. Volume control
12. Waveband selector

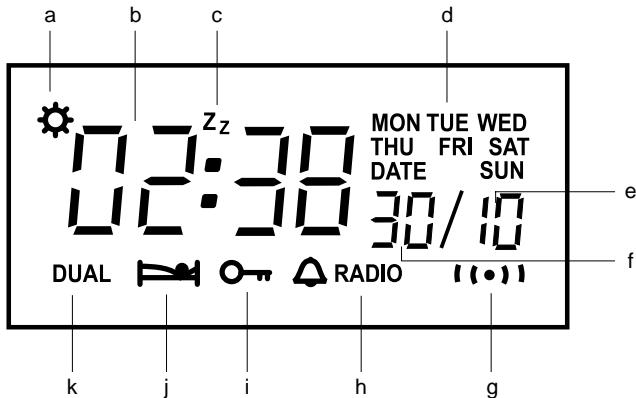
13. Shortwave selector
14. Battery compartment (on rear)
15. DC input socket
16. Headphone socket

## Controls



- 17. Telescopic aerial
- 18. Snooze button
- 19. Key lock switch

## Clock display



- a. Summer time indicator
- b. Time display
- c. Snooze indicator
- d. Day indicator
- e. Month indicator
- f. Date display
- g. Buzzer alarm indicator
- h. Radio alarm indicator
- i. Key lock indicator
- j. Sleep indicator
- k. Dual time indicator

## IMPORTANT



The radio will not operate until the clock time and date are set. Ensure that the "Lock" switch is set to the left hand "Unlocked" position before operation.

### General

Do not allow this radio to be exposed to water, steam, or sand. Do not leave the radio where excessive heat could cause damage such as in a parked car where the heat from the sun can build up even though the outside temperature may not seem too high.

### Key Lock

The "**Key Lock**" switch is used to prevent unintentional operation of the radio.

1. Slide the "**Key Lock**" switch located on the top of the radio to the right, the  symbol will appear in the display. The "**Power**" and all other buttons will be disabled. This will prevent accidental operation when the radio is packed in a suitcase or carrying pouch.
2. To release the "**Key Lock**" switch slide the switch to the left, the  symbol will be removed from the display.

## Batteries

### For Clock Operation

1. Open the battery compartment (14) by sliding the cover in the direction of the arrow.
2. Insert 1 x IEC LR6 (AA size) battery with polarity as shown on the rear of the radio into the clock battery compartment. The clock time will then appear on the Clock Display (1).

The need to replace the clock battery is indicated by a fading clock display.

### For Radio Operation

1. Open the battery compartment (14) by sliding the cover in the direction of the arrow.
2. Insert 3 x IEC LR6 AA size batteries with polarity as shown on the rear of the radio into the radio battery compartment. Refit the cover.

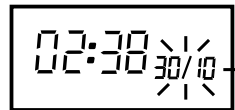
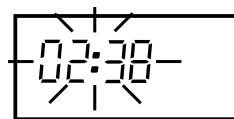
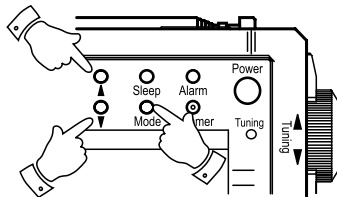
The need to replace the batteries will be indicated by reduced power and distortion.

If the radio is not to be used for a long period, remove the radio batteries to avoid possible damage from battery leakage.

## Setting the local time and date

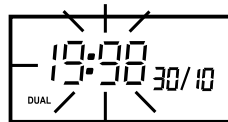
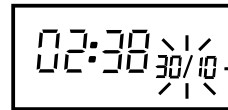
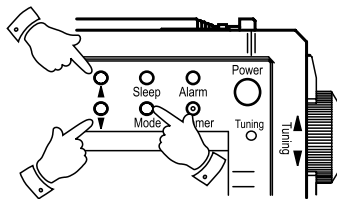
When the clock battery is first inserted the Hours and Minutes will flash in the clock display ready to be set. In this case proceed to step 2 below. If the clock time or date needs to be changed after the initial setting has taken place, start at step 1.

1. Press and hold the **“Mode”** button for at least 5 seconds. The Hours and Minutes will flash in the clock display indicating that the Local time can be adjusted.
2. Press the **“Forward”** or **“Reverse”** button until the correct Hour and Minute are shown. The clock starts running as soon as the **“Forward”** or **“Reverse”** button has been released.
3. Whilst the display is flashing (within 8 seconds), press and release the **“Mode”** button, the Month and Date will flash in the calendar display indicating that the date of the Local time can be adjusted. Press the **“Forward”** or **“Reverse”** button until the correct Month and Date are shown.
4. Whilst the display is flashing (within 8 seconds), press and release the **“Mode”** button, the Year will flash on the time display indicating that it can be adjusted. Press the **“Forward”** or **“Reverse”** button until the correct Year is shown.
5. Press and release the **“Mode”** button to finish the Local Time setting process. The day of week is set automatically after the above procedure is carried out.



## Setting the dual time and date

1. Press and release the “**Mode**” button to select the Dual Time mode. The Dual Time indicator will appear in the display.
2. Press and hold the “**Mode**” button for at least 5 seconds. The Hours and Minutes will flash in the display indicating that the Dual time can be adjusted.
3. Press the “**Forward**” or “**Reverse**” button until the correct Hour and Minute are shown.
4. Whilst the display is flashing (within 8 seconds), press and release the “**Mode**” button, the Month and Date will flash in the calendar display indicating that the date of the Dual time can be adjusted.
5. Press the “**Forward**” or “**Reverse**” button until the correct Month and Date are shown.
6. Whilst the display is flashing (within 8 seconds), press and release the “**Mode**” button, the Year will flash on the time display indicating that it can be adjusted. Press the “**Forward**” or “**Reverse**” button until the correct Year is shown.
7. Press and release the “**Mode**” button to finish the Dual Time setting process. The day of week is set automatically after the above procedure is carried out.



## Switching between local and dual time

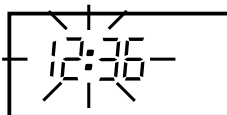
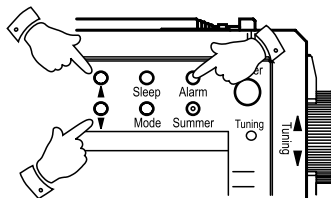
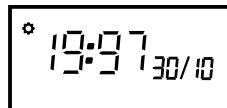
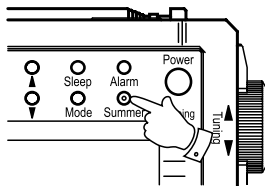
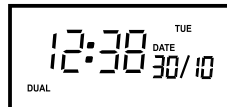
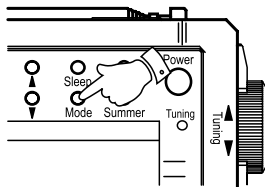
1. Repeated presses on the “**Mode**” button will cause the clock to cycle between local and dual time modes. Dual time mode is indicated by the word “DUAL” in the clock display.

## Switching between summer and winter time

1. Press the “**Summer**” button briefly to switch between summer time and winter time.
2. When Summer time is set, the Summer indicator appears in the display and one hour is added to the time.
3. Summer time can be set for Local time and Dual time separately.

## Setting the alarm time

1. Press and hold the “**Alarm**” button for at least 5 seconds. The Alarm time will flash in the display indicating that the alarm time can be set.
2. Press the “**Forward**” or “**Reverse**” buttons until the desired alarm time is displayed.
3. Briefly press the “**Alarm**” button to finish the setting process.



## Setting the alarm mode

The alarm can be set so as to wake to Radio or Buzzer. Repeatedly press and release the “**Alarm**” button to cycle through the alarm modes.

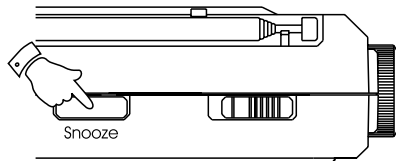
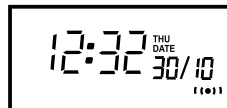
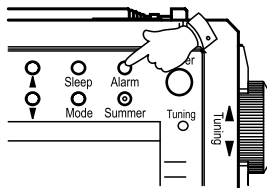


If the alarm is not required, set the alarm to Alarm off mode. The alarm indicators RADIO and will disappear from the display.

*Note: the alarm will only operate on Local time.*

## Snooze control

1. The Radio or Buzzer alarms can be silenced for 5 minutes by pressing the “**Snooze**” button. This sequence can be repeated within the 60 minute alarm period.
2. The Snooze indicator will flash in the display during snooze operation.
3. To turn off the radio or buzzer alarm until the next day, press and release the “**Power**” button.



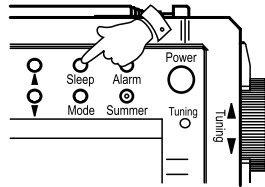
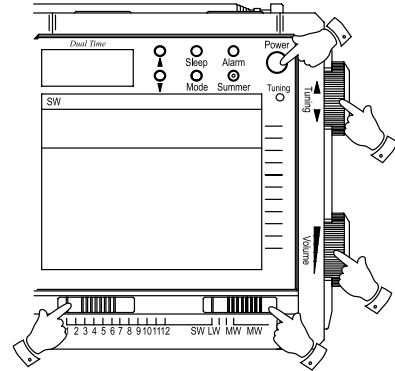


## Operating the Radio

1. Press the **“Power”** button to turn on the radio.
2. Select the required waveband (SW/LW/MW/FM) with the **“Waveband”** selector.
3. Use the **“Shortwave”** selector to switch between the 12 shortwave bands (SW1 - SW12).
4. Rotate the **“Tuning”** control to select the desired station. The tuning indicator (4) will light up when the station is correctly tuned.
5. On FM and SW the **“Telescopic Aerial”** should be fully extended. Angle and rotate the telescopic aerial for best reception. On MW and LW rotate the radio for best reception.
7. To switch off the radio press the **“Power”** button.

## Sleep Timer

1. Press the **“Sleep”** button once to turn on the sleep timer. The radio will turn on and the maximum sleep time (90 minutes) will be shown in the display. The sleep time indicator will be shown in the display.
2. The sleep time can be reduced in 10 minute increments by further presses of the **“Sleep”** button.
3. To cancel the sleep timer press the **“Power”** button.



*If you need any further advice, please call our Technical Helpline on 0181 758 0338 (Mon-Fri)*

## Headphones (not included)

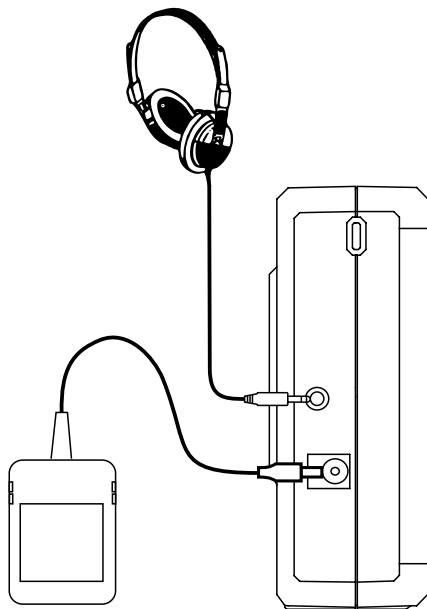
A “**Headphone Socket**” is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.

## Mains adaptor (not included)

The AC adaptor for use with the R871 should provide 4.5 volts DC output at 300mA centre pin negative. Plug the adaptor into a mains outlet. Plug the lead from the adaptor into the “**DC Socket**”. The battery will be automatically disconnected.

The mains adaptor should be disconnected from the mains supply when not in use.


Imported by:-  
ROBERTS RADIO LIMITED  
PO BOX 130  
MEXBOROUGH  
SOUTH YORKSHIRE  
S64 8YT




## Specifications

### Power Requirements

#### Batteries

Clock :1.5V  1 x IEC LR6 (AA)size

Radio :4.5V  3 x IEC LR6 (AA)size

External :4.5V  300mA (centre pin negative)

### Battery Life

Clock : Approx. 1Year.

Radio : Approx. 16hrs of listening for 4 hours a day at normal volume, using Alkaline cells.

**Loudspeaker** 75mm 8 ohm.

**Output Power** 300mW into 4 ohms.

**Headphone Socket** 3.5mm dia

## Aerial System

LW : Built-in Ferrite aerial

MW : Built-in Ferrite aerial

FM : Telescopic aerial

SW : Telescopic aerial

## Frequency Coverage

LW 147 - 284 kHz

MW 525 - 1620 kHz

FM 87.5 - 108 MHz

SW1 120m band 2.30 - 2.50 MHz

SW2 90m band 3.20 - 3.40 MHz

SW3 75m band 3.90 - 5.06 MHz

SW4 60m band 5.90 - 6.20 MHz

SW5 49m band 7.10 - 7.50 MHz

SW6 41m band 9.40 - 9.90 MHz

SW7 31m band 11.60 - 12.10 MHz

SW8 25m band 13.60 - 13.80 MHz

SW9 21m band 15.10 - 15.60 MHz

SW10 19m band 17.48 - 17.90 MHz

SW11 16m band 17.50 - 18.10 MHz

SW12 13m band 21.45 - 21.85 MHz

*If you need any further advice, please call our  
Technical Helpline on 0181 758 0338 (Mon-Fri)*

## Guarantee

This instrument is guaranteed for twelve months from the date of delivery to the original owner against failure due to faulty workmanship or component breakdown, subject to the procedure stated below. Should any component or part fail during this guarantee period it will be repaired or replaced free of charge.

The guarantee does not cover:

1. Damage resulting from incorrect use.
2. Consequential damage.
3. Radios with removed or defaced serial numbers.

N.B. Damaged or broken telescopic aerials will not be replaced under guarantee.

Procedure:

Any claim under this guarantee should be made through the dealer from whom the instrument was purchased. It is likely that your Roberts dealer will be able to attend to any defect quickly and efficiently, but should it be necessary the dealer will return the instrument to the company's service department for attention. In the event that it is not possible to return the instrument to the Roberts dealer from whom it was purchased, please contact Roberts Radio Technical Services Department at the address shown below before taking further action.

*These statements do not affect the statutory rights of a consumer.*

### **ROBERTS RADIO TECHNICAL SERVICES DEPARTMENT**

97-99 Worton Road

Isleworth Middlesex

TW7 6EG

Technical Helpline :- 0181 758 0338

Issue 1

