

# ROBERTS

Sound for Generations

# CR9971

2 Band Auto Set Dual Alarm  
Clock Radio



CHRONO · LOGIC VI

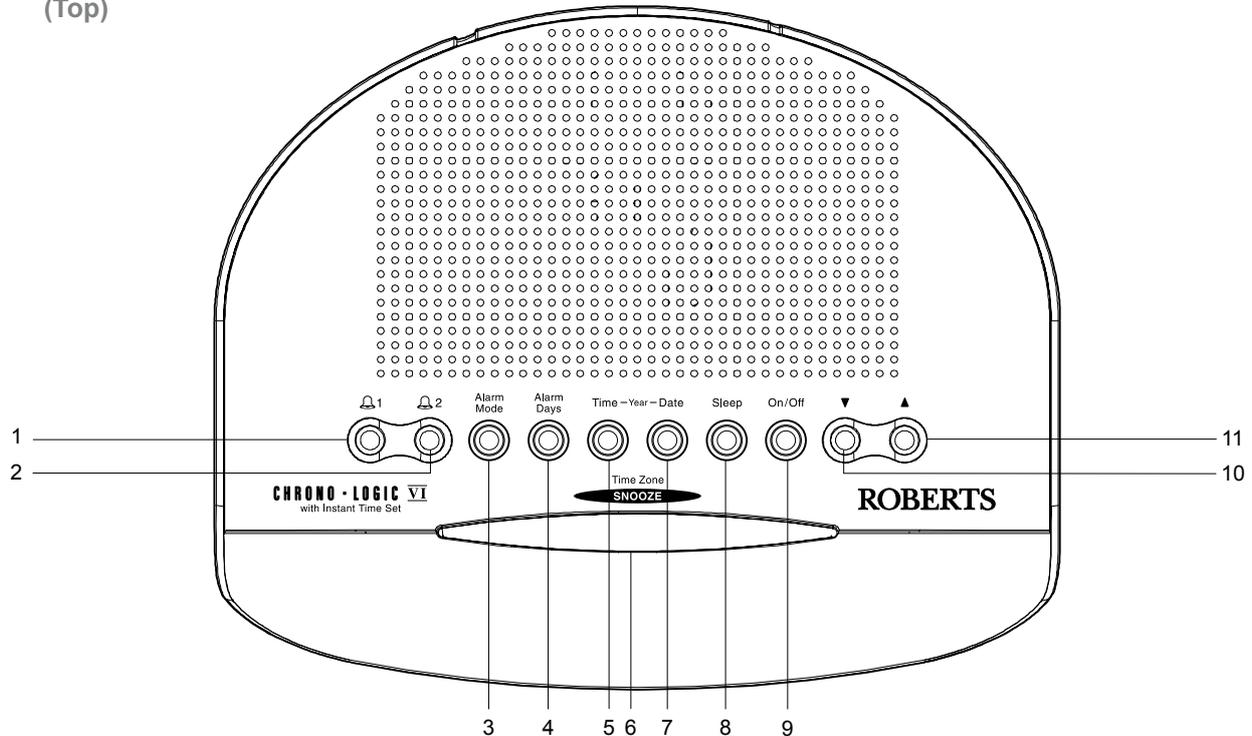
Please read this manual before use

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## Controls

(Top)

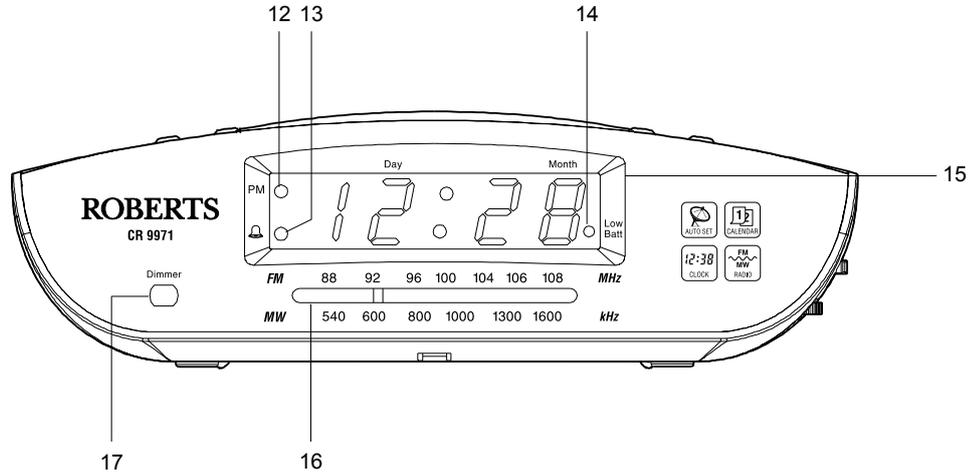


- |                      |                            |                  |
|----------------------|----------------------------|------------------|
| 1. Alarm 1 button    | 5. Time button             | 9. On/Off button |
| 2. Alarm 2 button    | 6. Snooze/Time Zone button | 10. Down button  |
| 3. Alarm mode button | 7. Date button             | 11. Up button    |
| 4. Alarm days button | 8. Sleep button            |                  |

If you need any further advice, please call our Technical Helpline on :-  
020 8758 0338 (Mon-Fri)

## Controls

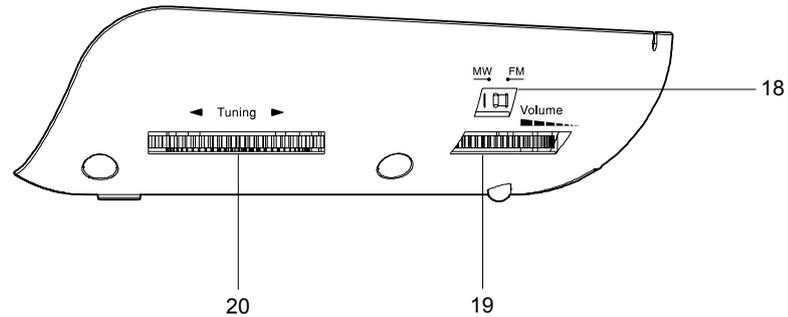
(Front)



- 12. PM indicator
- 13. Alarm indicator
- 14. Low battery indicator
- 15. LED display
- 16. Dial scale
- 17. Auto dimmer

## Controls

(Right side)

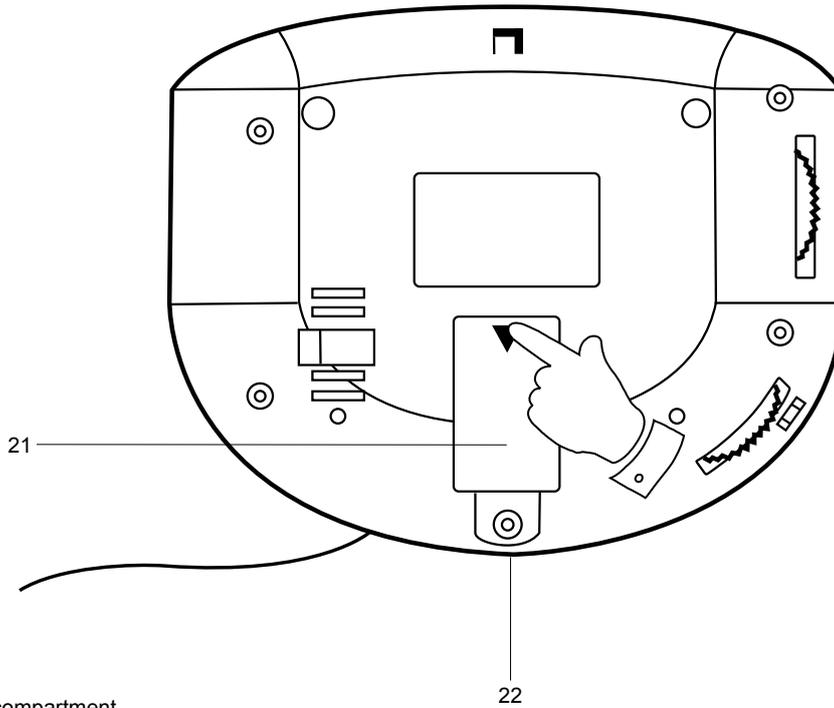


- 18. Wave band selector switch
- 19. Volume control
- 20. Tuning control

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## Controls

(Base)



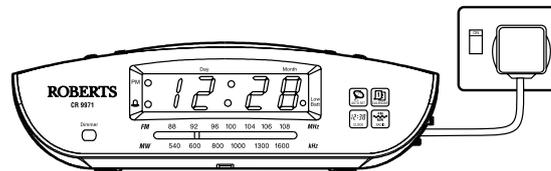
- 21. Battery compartment
- 22. Headphone socket

## Switching on

1. Place your clock radio on a flat surface. Plug the power cord into the wall socket and switch on.
  2. After a few seconds the time, day and date will set automatically. Your clock radio is fitted with a long life back-up battery to maintain the factory set time, day and date. Your clock radio will automatically reset to the correct time should the power source be interrupted. It will also automatically adjust for summer/winter time.
- The mains plug is used to connect your apparatus to the AC mains supply. In order to completely disconnect the apparatus from the AC mains supply, the mains plug should be removed from the mains outlet.

**See section on Back-up battery on page 15 .**

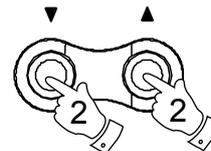
Should the time, date or year require adjustment follow the procedure shown in the next sections.



## Setting the time manually

1. Press and hold down the **Time button**.
2. Whilst holding down the **Time button** press the **Up or Down buttons** to set the time. Release the buttons when the correct time is reached.  
The clock uses a 12 hour display with a **PM indicator**. Ensure that the correct 12 hour cycle is selected.

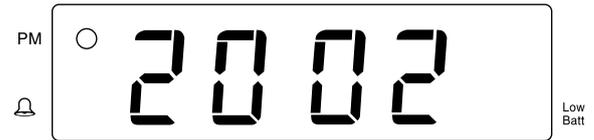
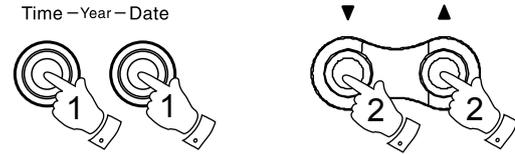
Time – Year – Date



If you need any further advice, please call our Technical Helpline on :-  
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## Setting the year manually

1. To set the year hold down both the **Time** and **Date buttons**. The display will change to show the year.
2. Whilst holding down the **Time** and **Date buttons** set the correct year by using the **Up or Down buttons**. When the **Time** and **Date buttons** are released the display will revert to showing the time.



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## Setting the date manually

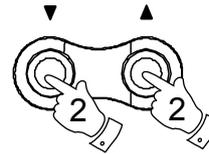
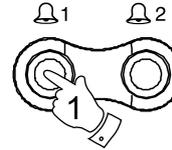
1. To set the date hold down the **Date button**.
2. Whilst holding down the **Date button** set the correct date using the **Up or Down buttons**.



## Setting alarm times

Your clock radio has two separate alarms which can be set to activate at different times.

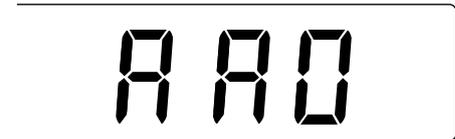
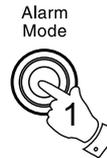
1. Press and hold down the **Alarm 1 or Alarm 2 buttons**.
2. Whilst holding down the **Alarm 1 or Alarm 2 buttons** press the **Up or Down buttons** to set the alarm time. Release the buttons when the correct alarm time is reached. The clock uses a 12 hour display with a **PM indicator**. Ensure that the correct 12 hour cycle is selected.



## Setting alarm mode

The alarms can be set to wake you by either the buzzer or the radio.

1. Whilst holding down the **Alarm 1 or Alarm 2 buttons** repeatedly press and release the **Alarm mode button** until the display shows the required alarm mode e.g. Buzzer (BUZ), Radio (RAD) or Off (OFF). Release the buttons when the required alarm mode is reached. The display will return to showing normal time.



It is possible to set **Alarm 1** to wake to buzzer and **Alarm 2** to wake to radio or vice versa.

The **Alarm indicator** will illuminate when one or both of the alarms are set to either Buzz or Radio mode.

The **Alarm indicator** will extinguish when both Alarms are set to Off.

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## Setting alarm day

Your clock radio has five different day options for each of the alarms.

The **Alarm days** are:

Weekdays only display shows 1-5

Weekends only display shows 6-7

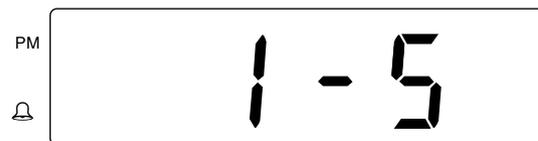
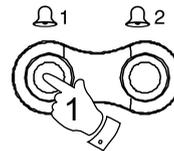
Everyday display shows 1-7

Monday to Saturday display shows 1-6

Sunday only display shows 7-7

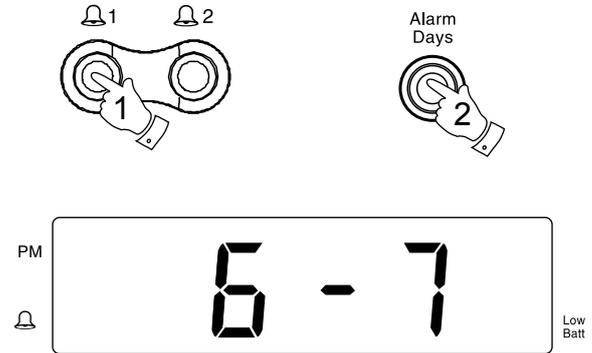
### Weekday alarm

1. Press and hold down the **Alarm 1 or Alarm 2 buttons** (depending on which alarm you wish to set day for).
2. Whilst holding down **Alarm 1 or Alarm 2 buttons** repeatedly press and release the **Alarm Days button** until display shows 1-5.
3. The alarm will sound Monday to Friday at the preset time for 1 hour. To switch off the alarm until the next day press the **On/off button**.
4. To switch off the alarms permanently press and hold down the **Alarm 1 or Alarm 2 button**. Whilst holding down the **Alarm 1 or Alarm 2 button** repeatedly press the **Alarm mode button** until the display shows  $\square F F$ .



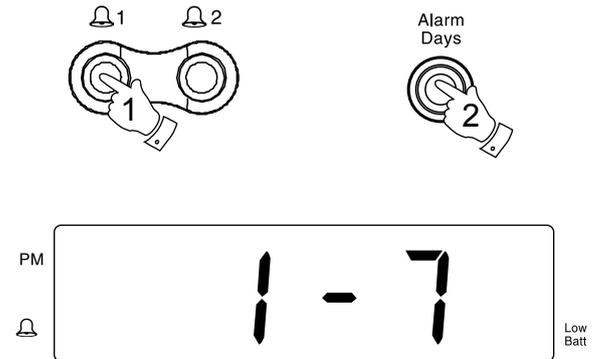
## Weekend alarm

1. Press and hold down the **Alarm 1 or Alarm 2 buttons** (depending on which alarm you wish to set day for).
2. Whilst holding down **Alarm 1 or Alarm 2 buttons** repeatedly press and release the **Alarm days button** until display shows 6-7.
3. The alarm will sound on Saturday and Sunday at the preset time for 1 hour. To switch off the alarm until the next day press the **On/off button**.
4. To switch off the alarms permanently press and hold down the **Alarm 1 or Alarm 2 button**. Whilst holding down the **Alarm 1 or Alarm 2 button** repeatedly press the **Alarm mode button** until the display shows  $\square F F$ .



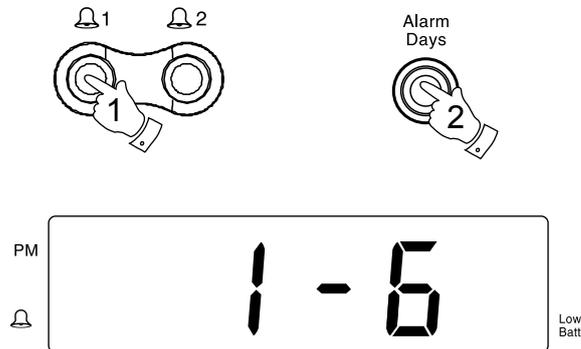
## Everyday alarm

1. Press and hold down the **Alarm 1 or Alarm 2 buttons** (depending on which alarm you wish to set day for).
2. Whilst holding down **Alarm 1 or Alarm 2 buttons** repeatedly press and release the **Alarm days button** until display shows 1-7.
3. The alarm will sound at the preset time for 1 hour. To switch off the alarm until the next day press the **On/off button**.
4. To switch off the alarms permanently press and hold down the **Alarm 1 or Alarm 2 button**. Whilst holding down the **Alarm 1 or Alarm 2 button** repeatedly press the **Alarm mode button** until the display shows  $\square F F$ .



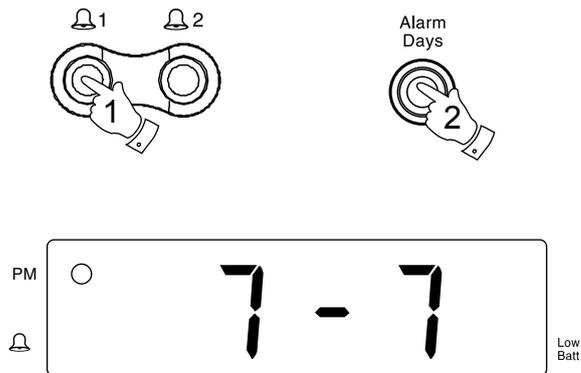
## Monday to Saturday alarm

1. Press and hold down the **Alarm 1 or Alarm 2 buttons** (depending on which alarm you wish to set day for).
2. Whilst holding down **Alarm 1 or Alarm 2 buttons** repeatedly press and release the **Alarm days button** until display shows 1-6.
3. The alarm will sound on Monday to Saturday at the preset time for 1 hour. To switch off the alarm until the next day press the **On/off button**.
4. To switch off the alarms permanently press and hold down the **Alarm 1 or Alarm 2 button**. Whilst holding down the **Alarm 1 or Alarm 2 button** repeatedly press the **Alarm mode button** until the display shows  $\square F F$ .



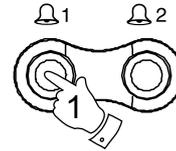
## Sunday only alarm

1. Press and hold down the **Alarm 1 or Alarm 2 buttons** (depending on which alarm you wish to set day for).
2. Whilst holding down **Alarm 1 or Alarm 2 buttons** repeatedly press and release the **Alarm days button** until display shows 7-7.
3. The alarm will sound every Sunday at the preset time for 1 hour. To switch off the alarm until the next Sunday press the **On/off button**.
4. To switch off the alarms permanently press and hold down the **Alarm 1 or Alarm 2 button**. Whilst holding down the **Alarm 1 or Alarm 2 button** repeatedly press the **Alarm mode button** until the display shows  $\square F F$ .



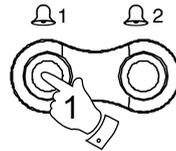
## Checking alarm times

1. Press and hold down either **Alarm 1** or **Alarm 2 buttons** depending which alarm you want to check. The display will change from normal time to alarm time. Release the **Alarm 1** or **Alarm 2 buttons** to return to normal time. To adjust the alarm time refer to instructions on pages 8 - 9.



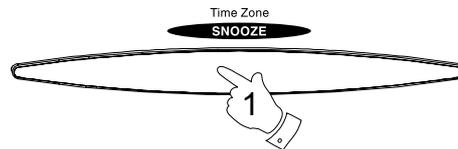
## Checking alarm mode

1. Press and hold down either **Alarm 1** or **Alarm 2 buttons** depending which alarm you want to check.
2. Whilst holding down **Alarm 1** or **Alarm 2 buttons** press the **Alarm mode button**. The display will change from normal time to alarm mode. Release the buttons to return to normal time. To adjust the alarm mode refer to instructions on pages 8 - 9.



## Snooze control

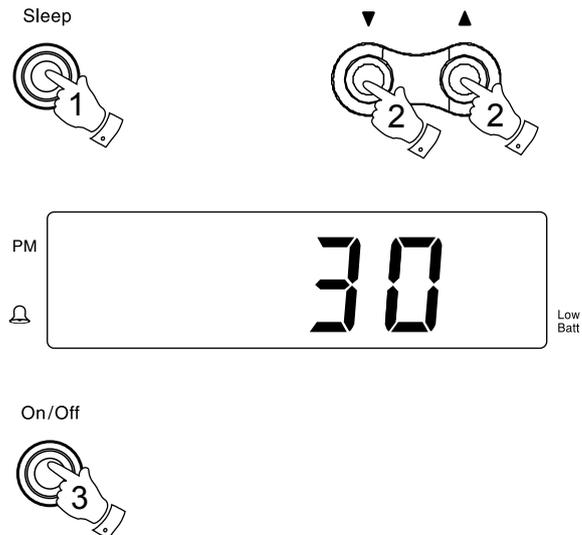
1. The radio or buzzer alarm can be silenced for approximately 9 minutes by pressing the **Snooze/Time Zone button**. This sequence can be repeated during the 60 minute alarm period.
2. During the snooze interval the alarm LED will flash.



## Sleep timer

You can program your clock radio to play the radio for up to 90 minutes and then switch off.

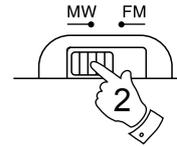
1. Press the **Sleep button**. The display will show the sleep time.
2. To increase or decrease the amount of time the radio will play before switching off, hold down the **Sleep button** and increase or decrease the sleep time using the **Up or Down buttons** (maximum 90 minutes - minimum 2 minutes).
3. To cancel the sleep timer before the sleep time has elapsed press the **On/Off button**.



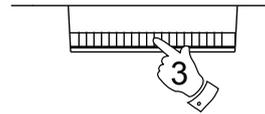
## Listening to the radio

1. Switch on the radio by pressing the **On/Off button**.
2. Select the required waveband using the **Waveband switch**.
3. Tune in to the desired station using the **Tuning control**.
4. Adjust volume using the **Volume control**.
5. The **Wire aerial** located on the rear of your clock radio is for FM reception. The wire should be fully extended and positioned for optimum reception.  
For MW reception there is a built in ferrite aerial. Rotate your clock radio to the position giving best reception.
6. To switch off press the **On/Off button**.

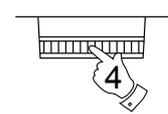
On/Off



◀ Tuning ▶



Volume



On/Off



## Auto dimmer

The dimmer sensor is located on the front of the clock radio which will adjust the intensity of the clock display to suit room brightness.

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## Back-up battery

As with all batteries, eventually the built in lithium battery will need to be replaced. A number of factors, such as the length of time between the date your clock radio was manufactured and the date you plugged it in for the first time, determine the amount of time before battery replacement. During this initial storage period the lithium backup battery is supplying power to your clock radio's computer memory. Once you connect your clock radio to the household AC mains supply the battery no longer supplies power to your clock radio's computer memory. A fresh backup battery can supply power to your clock radio's computer memory for 3 years even if it is never connected to a mains supply. If your clock radio was connected to the AC mains supply within a few months after it was manufactured and you experience only short interruptions to the mains supply, your battery may last for up to 5 years or even longer.

When the battery drops below a certain level the **Low battery indicator** will light. When you see this indicator you should change the battery as soon as it is convenient to do so.

See following page for details on battery replacement.

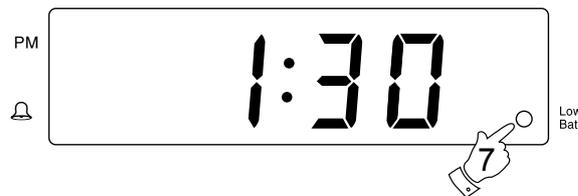
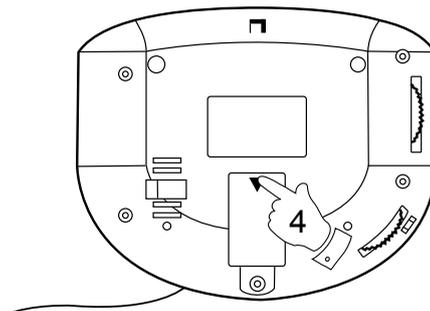
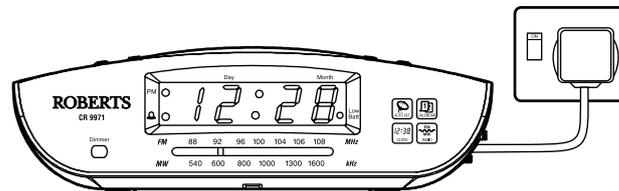
**Battery should not be exposed to excessive heat such as sunshine, fire or the like.**



## Changing the back-up battery

1. Purchase a replacement lithium backup battery type CR2032 or equivalent.
2. Remove the new battery from its packaging so that it is ready to install.
3. **Important:** Maintain connection to AC mains supply during battery replacement. This will provide power whilst the original battery is removed.
4. Open the battery cover located on the underside of the clock radio by pushing the cover in the direction of the arrow.
5. Remove old battery from holder. Replace new battery with + sign facing upwards.
6. Replace the battery cover.
7. Check that the 'Battery low' indicator is not lit.

**CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.**

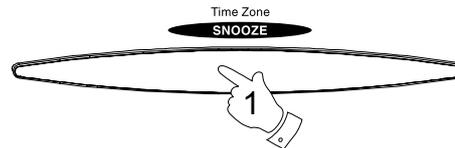


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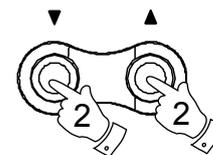
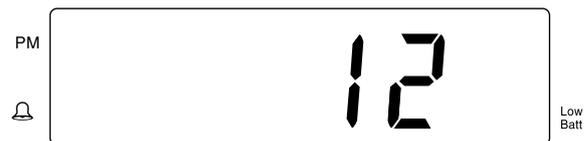
## Time Zones

Your clock radio is set to UK time zone 12 GMT (UTC). Should you wish to take your clock radio to other countries the time zone will need to be reset.

1. Press and hold down the **Snooze/Time Zone button** - the display will show the time zone currently selected e.g. 12.
2. Whilst holding down the **Snooze/Time Zone button** adjust the time zone using the **Up or Down buttons**. See following table for details of time zones and their offsets relative to GMT.

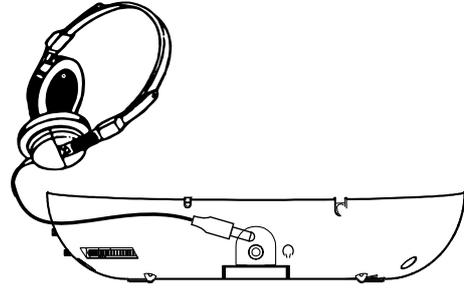


Zone	Offset (Hours)	Zone	Offset (Hours)
00	GMT +/-12	12	GMT 0
01	GMT +11	13	GMT -1
02	GMT +10	14	GMT -2
03	GMT +9	15	GMT -3
04	GMT +8	16	GMT -4
05	GMT +7	17	GMT -5
06	GMT +6	18	GMT -6
07	GMT +5	19	GMT -7
08	GMT +4	20	GMT -8
09	GMT +3	21	GMT -9
10	GMT +2	22	GMT -10
11	GMT +1	23	GMT -11



## Headphone socket

A 3.5mm **Headphone Socket** located on the rear of your clock radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.



## Specifications

### Power Requirements

Mains	AC 230 volts, 50Hz $\sim$ only
Back-up Battery	1 x CR2032 Lithium (3 - 5 year life)

### Frequency Coverage

FM	87.5 - 108MHz
MW	515 - 1635 kHz

## Circuit features

Loudspeaker	8 ohms	
Aerial System	FM	Wire Aerial
	MW	Built-in Ferrite aerial

*The Company reserves the right to amend the specification without notice.*

## General

Do not allow this unit to be exposed to moisture (e.g. dripping or splashing) or to temperatures exceeding 70 degrees centigrade. It is recommended that the FM band be used wherever possible as better results in terms of quality and freedom from interference will usually be obtained than on the MW band.

- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- The name plate is located on the underside of the unit.

## Mains supply

The CR9971 will operate from a supply of AC 230volts, 50Hz  $\sim$  only.

For your convenience this product is supplied with a plug which is fitted with a fuse of the appropriate rating. If the plug supplied is not suitable for your socket outlet, it should be removed by unscrewing the plug top, the terminal screws, and removing the cable.

The correct style of plug to suit your household together with a correctly rated fuse should be fitted.

IF IN DOUBT - CONSULT A QUALIFIED ELECTRICIAN

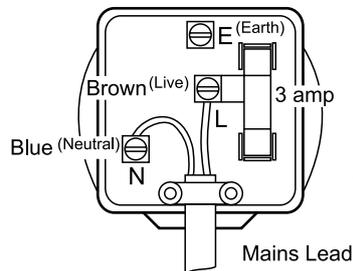
**IMPORTANT. DO NOT** make any connection to the larger terminal which is marked with the letter E or by the safety earth symbol  $\perp$  or coloured Green or Green-and-yellow.

The wires in the mains lead are coloured in accordance with the following codes :-

BLUE - NEUTRAL

BROWN - LIVE

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-



The wire coloured BLUE must be connected to the terminal marked N or coloured BLACK.

The wire coloured BROWN must be connected to the terminal marked L or coloured RED.

## Fuse

This apparatus must be protected by a 3A fuse (BS1362) in a 13A plug (BS1363). If another type of plug is used a 5A fuse should be fitted in the plug, adaptor or distribution board.

IF IN DOUBT - CONSULT A QUALIFIED ELECTRICIAN.

Notes:

## 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. Receivers with removed or defaced serial numbers.

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 at the address shown on the rear of this manual.

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



Issue 2

## **ROBERTS RADIO TECHNICAL SERVICES**

97-99 Worton Road

Isleworth Middlesex

TW7 6EG

Technical Helpline:- 020 8758 0338 *(Mon-Fri)*

Website: <http://www.robertsradio.co.uk>

