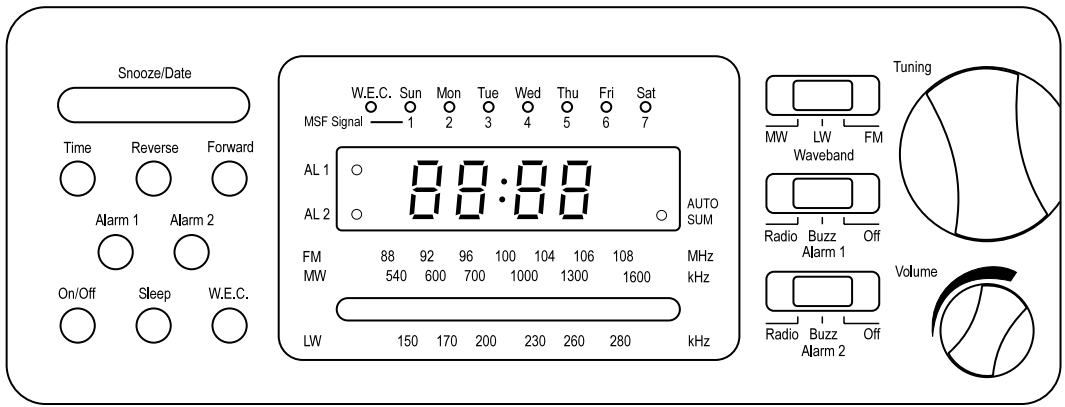
ROBERTS

Sound for Generations

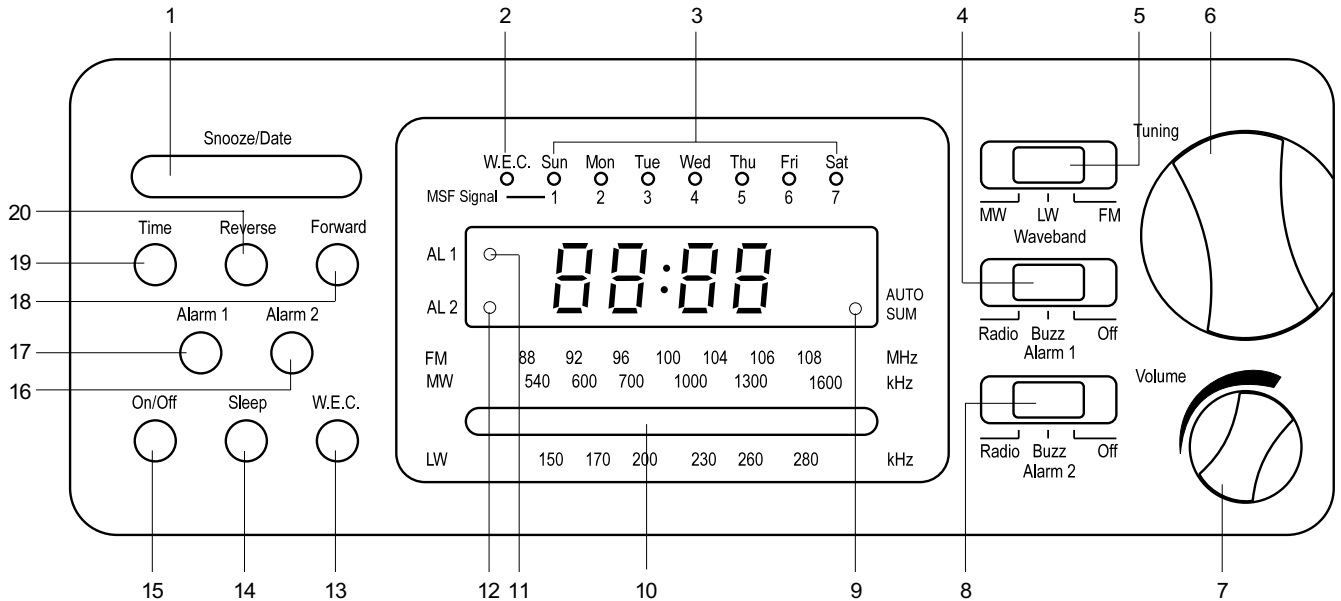
CR950

3 Band Radio Controlled Digital Clock Radio



Please read this manual before use

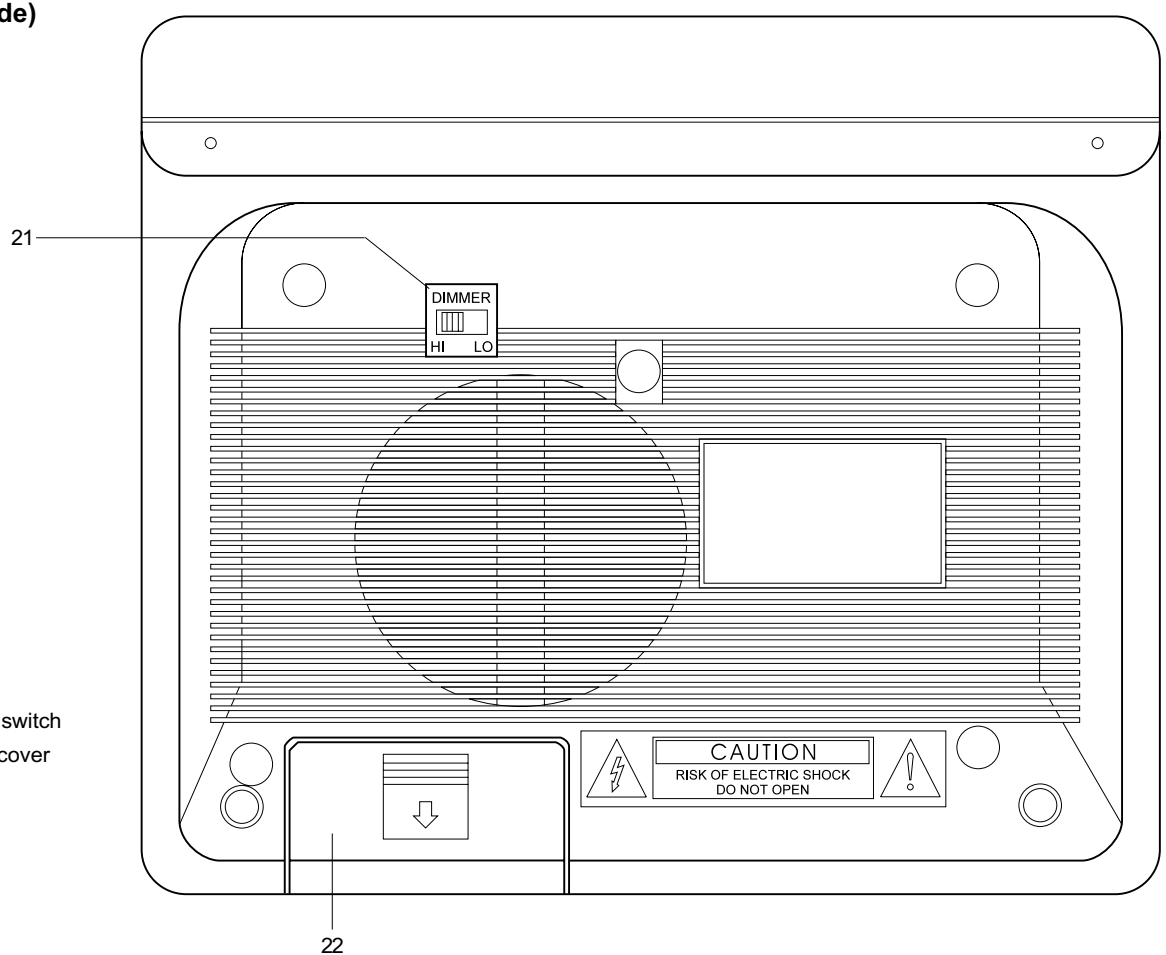
Controls (Front)



1. Snooze/Date button
2. Week end cancel indicator
3. Signal/Day of week indicators
4. Alarm 1 function switch
5. Waveband selector
6. Tuning control
7. Volume control
8. Alarm 2 function switch
9. Auto summer indicator
10. Tuning scale
11. Alarm 1 indicator
12. Alarm 2 indicator
13. Week end cancel button
14. Sleep button
15. Radio On/Off button
16. Alarm 2 button
17. Alarm 1 button
18. Forward button
19. Time button
20. Reverse button

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

Controls (Underside)



21. Display dimmer switch
22. Backup battery cover

General

Do not allow this unit to be exposed to water or steam. Do not leave the unit where excessive heat could cause damage. 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 or LW bands.

Mains supply

The CR950 will operate from a supply of AC 230-240 volts, 50Hz ∿ 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 ⏚ 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.

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

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.

Backup Battery

Slide the battery cover (22) in the direction of the arrow. Fit a 9 volt IEC size 6LR61 (6F22, PP3) or equivalent battery into the compartment. Replace the battery cover. The time and alarm settings will be retained during a temporary failure of the AC mains supply. The LED display will not be operational but the Radio and Buzzer alarms will continue to function.

Automatic Time Setting

Connect the CR950 to the mains supply, the built in microprocessor will automatically activate the receiver of the Radio Controlled clock and initiate a search for the time signal.

When the CR950 is receiving the radio time signal, the seconds digits will appear in the display and the colon will flash once every second in time with the radio time signal. When the time setting process has been completed, the exact time and day of the week will appear in the display.

The CR950 receives the sycronisation signal from one of the most accurate clocks in the world. The signal is transmitted from the official UK standard frequency and time signal transmitter MSF located at Rugby in the U.K. *Note* : During ?? the MSF transmitter closes down for maintainence during this time it will be necesarry to set the clock manualy (see the section headed Setting the Time and Date Manually). The CR950 will automaticaly synchronise with the MSF time signal when the transmitter is switched on.

Automatic Synchronization

Once the time has been set by the radio time signal, the CR950 will continue running on its internal precision 4.19 MHz quartz time base, with synchronisation to the radio time signal taking place once every hour starting at the 54th minute.

The precision of the CR950 is not significantly affected even if synchronisation is successful only a few times per day.

How to Optimise the Time Signal Reception

The time setting or synchronisation takes 2 to 3 minutes to complete if the reception of the radio time signal is undisturbed. This process will take longer if the time signal level is very weak (e.g. in locations that are a long distance from the MSF transmitter) or if it is subject to interference from thunderstorms, nearby TV sets, computers or household appliances that are not suppressed, etc.). In general the CR950 will receive the time signal at any place where a radio is able to receive Long Wave broadcast programmes well.

The CR950 receives the time signal via its built-in ferrite aerial which is directional.

When first connected to the mains supply the signal indicator (3) shows the MSF signal level. Rotate the CR950 or change its position until the highest signal level is obtained.

It is recommended that the CR950 is placed as far away as possible from any sources of interference such as computers or televisions.

Note:

The Signal indicator (3) becomes the weekday indicator after initial time setting has taken place.

Displaying the Date

Press the date button (1) once, the display will show the date and month for approximately 3 seconds after which it will return to show the time.

Press the date button (1) twice, the display will show the year for approximately 3 seconds after which it will return to show the time.

Setting the Time and Date Manually

To set the time, press and hold down the time button (19) and adjust using the forward (18) or reverse button (20) until the correct time appears. The clock will start running when the forward or reverse button has been released.

To set the date, press and hold down the date button (1) and adjust using the forward (18) or reverse button (20) until the correct date appears.

To set the year, press the date button (1) once to display the date, within 3 seconds press and hold down the date button and adjust using the forward (18) or reverse button (20) until the correct year appears.

After setting the time, the CR950 will continue to run on its own internal quartz time base and will automatically synchronise itself with the radio time signal commencing on the 54th minute of every hour. Once synchronisation is achieved the time and date of the radio time signal will be restored and displayed.

Note: Pressing the forward or reverse buttons once will cause the display to increment by one. Press and hold down the forward or reverse buttons to rapidly increment the display.

Automatic Summer/Winter Time Switching

The CR950 display will automatically switch from summer to winter time and vice versa by following the radio time signal. The automatic summer time indicator (9) will light up during summer time.

Radio Operation

Press the On/Off button (15) to turn on the radio. The LED dial pointer located in the tuning scale (10) will light. Select the required waveband using the waveband selector (5). Adjust the volume control (7) until a hissing sound is heard. Rotate the tuning control (6) until the desired station is received. Adjust the volume control (7) to the required sound level.

To switch off the radio, press the On/Off button (15).

Aerials

The wire aerial located on the rear of the CR950 is for FM reception. The wire should be fully extended and positioned for optimum reception

There is a built in ferrite aerial for MW and LW stations. Rotate the CR950 to the position giving best reception.

Setting the Alarm Time

To set the alarm time, press and hold down the Alarm 1 (17) or Alarm 2 (16) buttons and adjust using the forward (18) or reverse (20) buttons until the required time appears.

Waking Up to Radio

Set the alarm time as previously described. Switch on the radio and tune into the required station. Make sure that the station will be broadcasting at the time you wish to wake up. Set the volume control to the level of sound you wish to wake up to. Set the Alarm 1 (4) or Alarm 2 (8) function selector to the Radio position. The corresponding Alarm 1 or Alarm 2 indicator will light.

The radio will turn on every day at the preset time for 60 minutes. To turn off the alarm until the next day press the On/Off button (15).

Waking Up to Buzzer

Set the alarm time as previously described. Set the Alarm 1 (4) or Alarm 2 (8) function selector to the Buzz position. The corresponding Alarm 1 (11) or Alarm 2 (12) indicator will light.

The Buzzer will sound every day at the preset time for 60 minutes. To turn off the alarm until the next day press the On/Off button (15).

Note:

If the alarm is not required, set the Alarm 1 or Alarm 2 function switch to the Off position. The alarm indicator will disappear.

The Radio and Buzzer alarms will continue to operate during a mains power failure.

Automatic Weekend Alarm Cancellation

The alarm can be automatically cancelled at weekends (Week-end-Cancellation). To enable the Week-end-Cancellation function, press the W.E.C button (13). The W.E.C. indicator (2) will light. Press the W.E.C. button again to turn off the indicator and disable this function.

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

Snooze Control

The radio or buzzer alarm can be silenced for 5 minutes by pressing the Snooze button (1). This sequence can be repeated within the 60 minute alarm period.

Sleep Timer

The radio can be set to turn off after a preset time has elapsed.

Repeatedly press the sleep button (14) until the desired time is reached (maximum 90 minutes in 10 minute steps). The radio will switch off after the sleep time has elapsed.

The radio can be turned off at any time by pressing the On/Off button.

Dimmer Switch

The brightness of the clock display can be adjusted using the dimmer control (21) located on the underside of the CR950.

Battery Backup

The time and alarm settings will be retained during a temporary failure of the AC mains supply. The LED display will not be operational but the Radio and buzzer alarms will continue to operate at their preset times.

Specifications

Power Requirements

Mains	AC 230-240 volts , 50Hz ∿ only
Backup Battery	IEC size 6LR61 (6F22, PP3)

Frequency Coverage

FM	87.5 - 108MHz
MW	525 - 1610kHz
LW	147 - 284kHz

Circuit Features

Loudspeaker	75mm diameter 8 ohms	
Output Power	400mW RMS	
Aerial System	FM	Wire Aerial
	MW	Built-in Ferrite aerial
	LW	Built-in Ferrite aerial

Imported by:-

ROBERTS RADIO LIMITED

PO BOX 130

MEXBOROUGH

SOUTH YORKSHIRE

S64 8YT

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

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 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

CE