

# ROBERTS

Sound for Generations

# R9947

3-band PLL  
Synthesised Stereo Radio



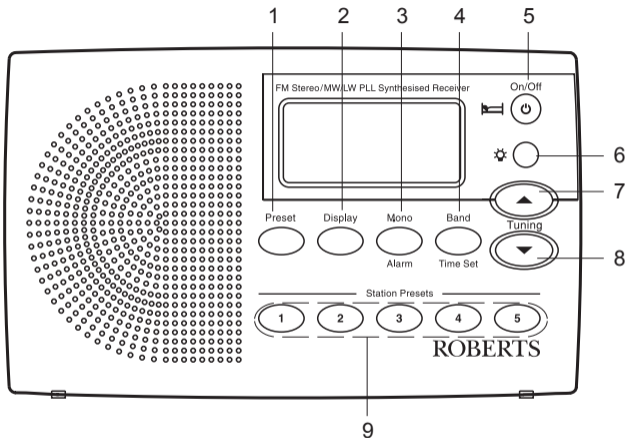
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## Contents

|   |     |   |    |
|---|-----|---|----|
| <i>Controls</i> .....                             | 2-3 | <i>Sleep timer</i> .....                  | 17 |
| <i>Display</i> .....                              | 4   | <i>Display modes</i> .....                | 18 |
| <i>Inserting batteries</i> .....                  | 5   | <i>Display backlight</i> .....            | 18 |
| <i>Battery replacement</i> .....                  | 6   | <i>Lock switch</i> .....                  | 19 |
| <i>Setting the clock</i> .....                    | 7   | <i>Earphones</i> .....                    | 20 |
| <i>Setting the alarm time</i> .....               | 9   | <i>Headphone socket</i> .....             | 21 |
| <i>Wake to alarm</i> .....                        | 11  | <i>AC adaptor</i> .....                   | 22 |
| <i>Operating your radio - search tuning</i> ..... | 12  | <i>Mono button</i> .....                  | 23 |
| <i>Operating your radio -manual tuning</i> .....  | 13  | <i>Troubleshooting/Reset button</i> ..... | 24 |
| <i>MW (AM) tuning step size</i> .....             | 14  | <i>Specifications</i> .....               | 25 |
| <i>Presetting stations</i> .....                  | 15  | <i>Guarantee</i> .....                    | 26 |
| <i>Recalling a preset station</i> .....           | 16  |   |    |

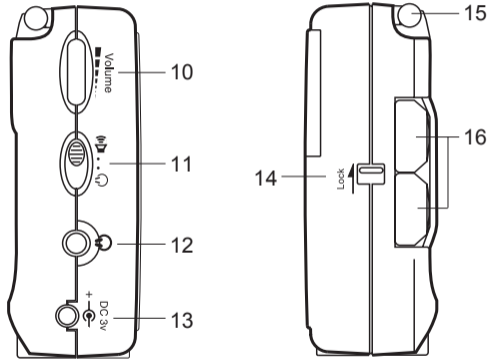
## Controls - front

1. Preset button
2. Display button
3. Mono/Alarm button
4. Band/Time set button
5. On/Off button
6. Light button
7. Tuning up button
8. Tuning down button
9. Preset buttons



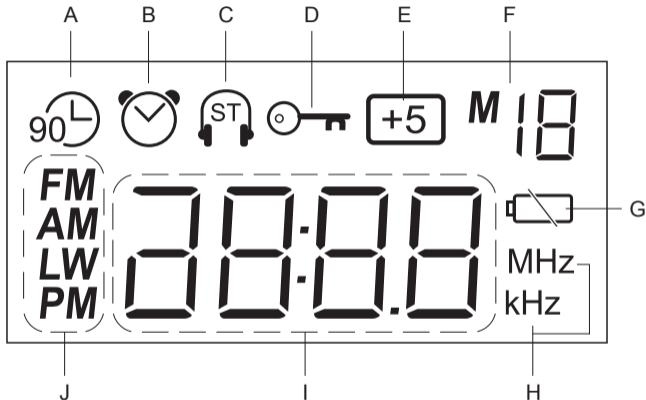
## Controls - left & right sides

- 10. Volume control
- 11. Loudspeaker/Headphone switch
- 12. Headphone socket
- 13. DC input socket
- 14. Lock switch
- 15. Telescopic Aerial
- 16. Earphones



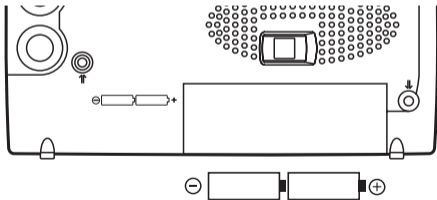
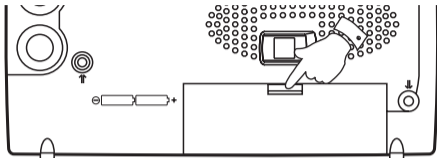
## Display

- A. Sleep time indicator
- B. Alarm indicator
- C. Stereo indicator
- D. Key lock indicator
- E. +5 indicator
- F. Preset indicator
- G. Low battery indicator
- H. MHz/kHz indicators
- I. Frequency/Time display
- J. Waveband and AM/PM indicators




## Inserting batteries

1. Position your radio face down.
2. Press the catch as shown and slide in the direction of the arrow.
3. Lift up the battery cover
4. Insert 2 x LR6 (AA) size batteries as shown in the diagram.
5. Close the battery cover.
6. The clock will start running when the 2 LR6 (AA) size batteries are installed. When batteries are installed for the first time the display will show **0:00**. The seconds display will start to count as soon as batteries are installed.



## Battery replacement

1. The battery indicator  will appear and flash in the display when the batteries are in need of replacement . After removing the batteries, you have approximately 3 minutes to replace the batteries after which clock and memory information will be lost .

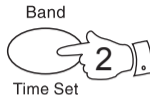


## Setting the clock

Note: the time can only be set with the radio switched off.

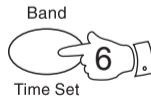
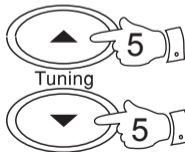
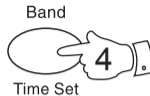
1. Ensure that the radio is switched off.
2. Press and hold down the **Time set button** until the hours digit begins to flash in the display.
3. Whilst the hours digit is flashing adjust the hours using the **Tuning up/down buttons**.

The clock uses a 12 hour display with **AM/PM indicators**. Please ensure that the correct 12 hour cycle is selected.



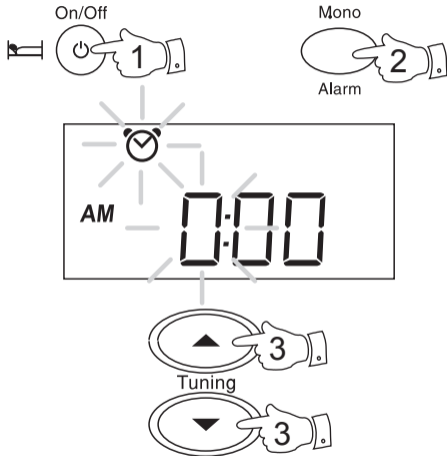


4. Press the **Time set button**, the minute digit begins to flash in the display.
5. Whilst the minute digit is flashing adjust the minutes using the **Tuning up/down buttons**.
6. Press the **Time set button** to complete time setting

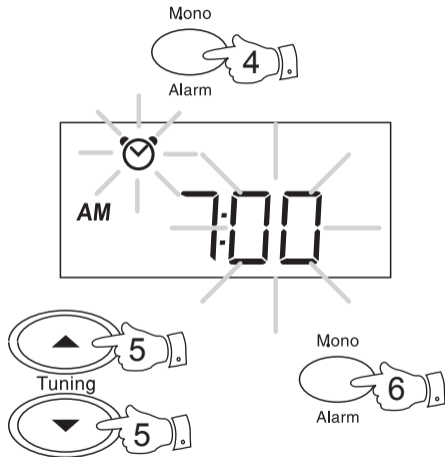


## Setting the alarm time



1. Ensure that the radio is switched off.
2. Press and hold down the **Alarm button** until the hours digit begins to flash in the display.
3. Whilst the hours digit is flashing adjust the hours using the **Tuning up/down buttons**.

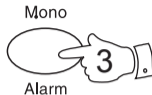


4. Press the **Alarm button**, the minute digit begins to flash in the display.
5. Whilst the minute digit is flashing adjust the minutes using the **Tuning up/down buttons**.
6. Press the **Alarm button** to complete the alarm time setting



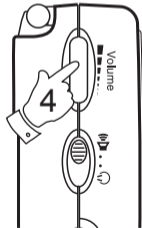
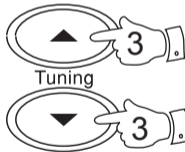
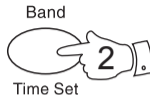
## Wake to alarm

1. Set the alarm time as previously described.
2. Switch off your radio using the **On/Off button**.
3. Repeatedly press and release the **Alarm button** until  the symbol appears in the display.
4. At the preselected time the alarm will sound. The alarm may be turned off for 24 hours by pressing any button. The alarm will switch off automatically after 3 minutes.
5. To permanently cancel the buzzer alarm repeatedly press and release the **Alarm button** until the  symbol is removed from the display.



## Operating your radio - search tuning

1. Switch on your radio by pressing the **On/Off button**.
2. Select the required waveband by repeat pressing of the **Band button**. The waveband selected will appear in the display. On FM fully extend the **Telescopic aerial**. On MW and LW rotate your radio for best reception.
3. Press and hold down either the **Tuning + or - buttons** until the frequency in the display begins to change rapidly. Release the button.
4. Your radio will scan the selected waveband, stopping each time it finds a station of sufficient strength. Adjust the **Volume control** to the required level.

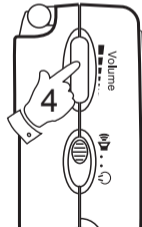
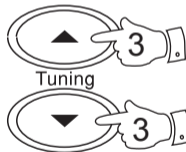
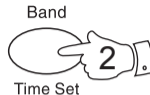


## Operating your radio - manual tuning

1. Switch on your radio by pressing the **On/Off button**.
2. Select the desired waveband using the **Band button**. The waveband selected will appear in the display.

On FM fully extend the **Telescopic aerial**.  
On MW and LW rotate your radio for best reception.

3. A single press on either the **Tuning + or - buttons** will change the frequency up or down. The frequency steps are:- FM 50kHz, MW 9kHz and LW 9kHz. Adjust the **Volume control** to the required level.



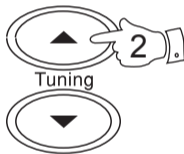
## MW (AM) tuning step size

In Europe and other parts of the world MW tuning steps are 9kHz, in America the MW tuning step size is 10kHz.

To change the MW tuning step size from 9kHz to 10kHz proceed as follows:-

1. Switch off your radio.
2. Press and hold down **Tuning up button**.
3. Whilst holding down the Tuning up button press the **On/Off button**.

To change tuning steps from 10kHz back to 9kHz repeat the above using the **Tuning down button** in step 2 instead of the **Tuning up button**.



## Presetting stations

You may store up to 10 stations on FM, 10 on MW and 10 on LW giving a total of 30 preset stations.

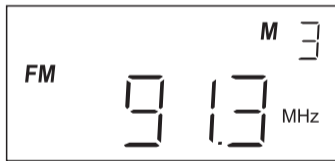
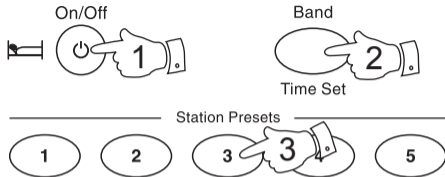
1. Press the **On/Off button** to switch on the radio.
2. Tune to the required station using one of the methods previously described.
3. Press and hold down the required **Preset button** until the radio beeps (greater than 2 seconds) The station will be stored under the chosen preset button.
4. Presets 6-10 are obtained by first pressing the +5 button.
5. Stations stored in preset memories may be overwritten by following the above procedure.





## Recalling a preset station

1. Switch on your radio using the **On/Off button**.
2. Select the desired waveband using the **Band button**.
3. Press one of the **Preset buttons** 1-5 to recall the station.
4. Presets 6 to 10 are obtained by pressing the **+5 button** and **Preset button 1 to 5**. e.g preset 7 can be recalled by pressing **+5 button** followed by **Preset button 2**.



## Sleep timer

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

1. Ensure that your radio is switched off.
2. Press and hold down the **On/Off button** until the desired time is reached (maximum 90 minutes in 30 minute steps). The radio will switch off after the sleep time has elapsed.
3. To cancel the sleep function before the preset time has expired, press the **On/Off button**.



## Display Modes

1. Whilst tuned to a station you can change between station name/frequency, alarm and normal time display by repeated pressing of the **Display button**.



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## Display backlight

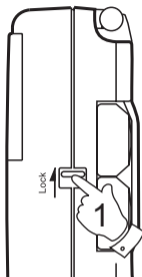
1. Pressing the **Light button** will switch on the display backlight and illuminate the display for approximately 7 seconds.



## Lock Switch

The **Lock switch** located on the right side of your radio is used to prevent unintentional operation.

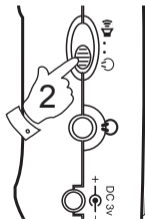
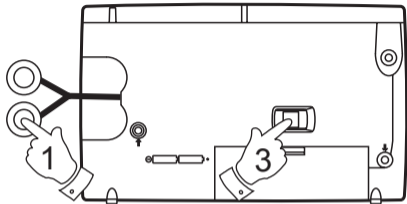
1. Slide the **Lock switch** to the up 'locked' position, the  symbol will appear in the display. The **Power** and all other buttons will be disabled. This will prevent accidental operation when the radio is packed in a suitcase. To release the **Lock switch** move the switch to the down 'unlocked' position, the  symbol will be removed from the display.



## Earphones



The earphones fitted to your radio are equipped with an auto rewind system to allow for easy storage.

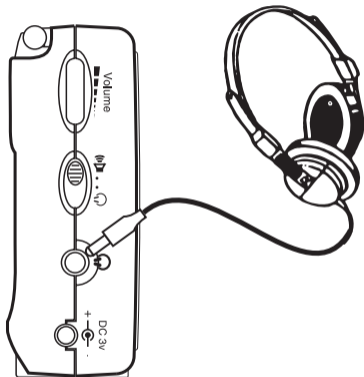
1. Gently pull out the earphones from the right hand side of the radio.
2. Slide the **Loudspeaker/Headphone switch** to the 'Headphone' position the loudspeaker will mute.
3. To retract the earphones slide the switch on the rear of the cabinet. Hold onto the earphones while they rewind into the cabinet.
4. Slide the **Loudspeaker/Headphone switch** to the 'Loudspeaker' position to return to normal operation.



## Headphone socket (on the left hand end)

In addition to the built in earphones your radio is provided with a **Headphone Socket**. This allows you to use different types of ear or headphones with your radio.

1. To use external headphones slide the **Loudspeaker/Headphone switch** to the  position and plug the headphones into the **Headphone socket**.
2. Slide the **Loudspeaker/Headphone switch** to the  position to return to normal operation.

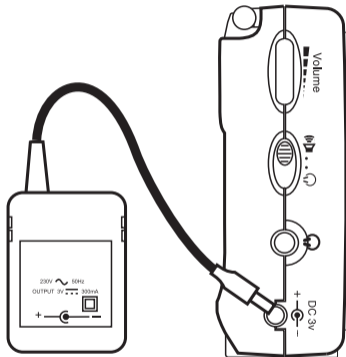


## AC Adaptor (not included)

The AC adaptor for use with the R9947 should provide 3volts DC output at 200mA centre pin negative.

Insert the adaptor plug into the DC socket on the left side of your radio. Plug the adaptor into a standard 13A mains socket outlet. Whenever the adaptor is used the batteries are automatically disconnected.

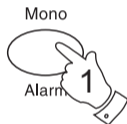
The AC adaptor should be disconnected from the mains supply and the radio when not in use.



## Mono button (FM and via earphones only)

1. If the station being received is weak some hiss may be audible, to reduce the hiss press the **Mono button** to switch to mono mode. The stereo indicator will be removed from the display.
2. Press the **Mono button** to return to FM stereo operation.

Note: FM stereo is only available when using earphone/headphones



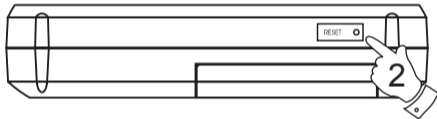


## Troubleshooting/Reset button

If your radio fails to operate correctly, or some digits on the display are missing or incomplete carry out the following procedure.

1. Switch off the radio and remove the batteries.
2. With the aid of a suitable implement (the end of a paper clip) press the reset button located on the underside of your radio for at least 2 seconds, this will reset the micro-processor, clock time and clear all stations stored in preset memory.

If a problem persists our technical staff would be pleased to help offer any assistance on operating the radio. Our technical helpline number is, 020 8758 0338.



## Specifications

### Power requirements

DC 3.0V  @ 200mA  
centre pin negative

Batteries 2 x IEC size LR6  
(AA size)

**Battery Life** Approx. 20hrs of listening when  
used for 4 hours a day at normal  
volume using alkaline batteries.

**Output power:** 100mW  
(via loudspeaker)

### Sockets

Headphone socket 3.5mm dia stereo.

DC input socket 3.0 volts centre pin  
negative.

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

## Guarantee

This radio 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.

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 service department at the address shown on the rear of this manual before taking further action.

## **ROBERTS RADIO TECHNICAL SERVICES DEPARTMENT**

97-99 Worton Road

Isleworth Middlesex

TW7 6EG

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

*Issue 1*

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