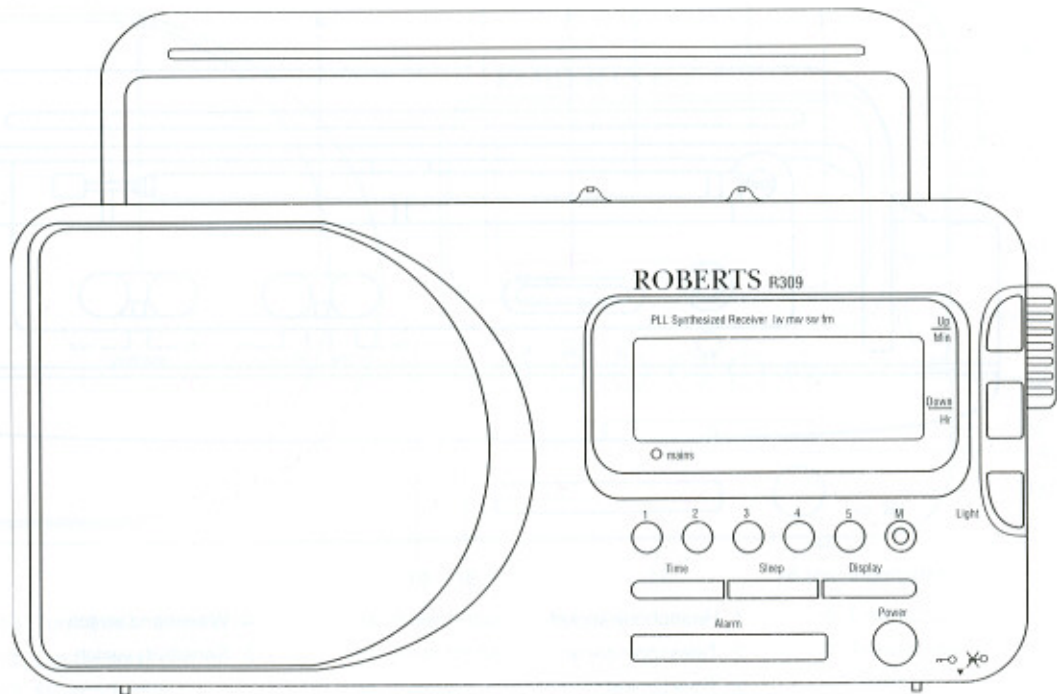


ROBERTS

Sound for Generations

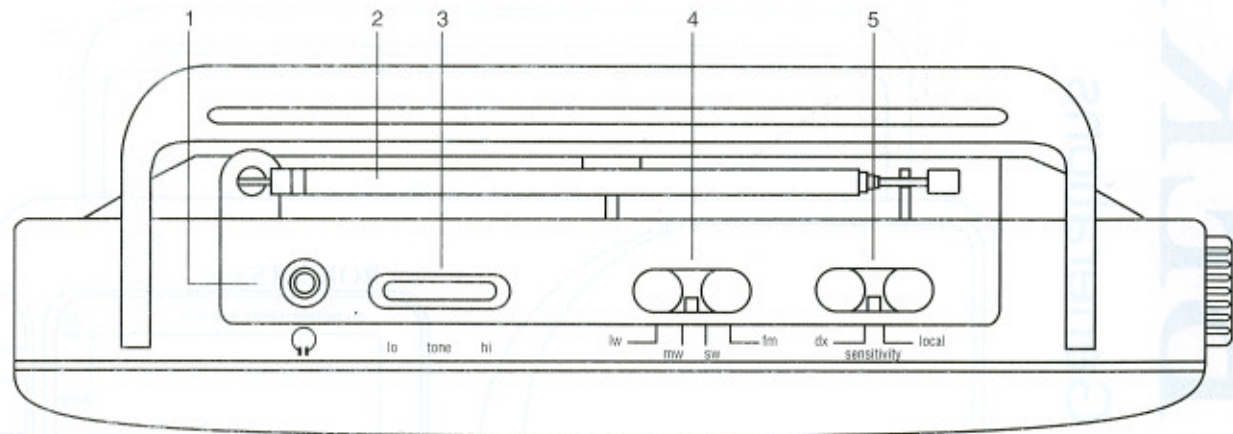
R309

4 Band Digital Preset Mains Battery
Portable Radio



Please read this manual before use

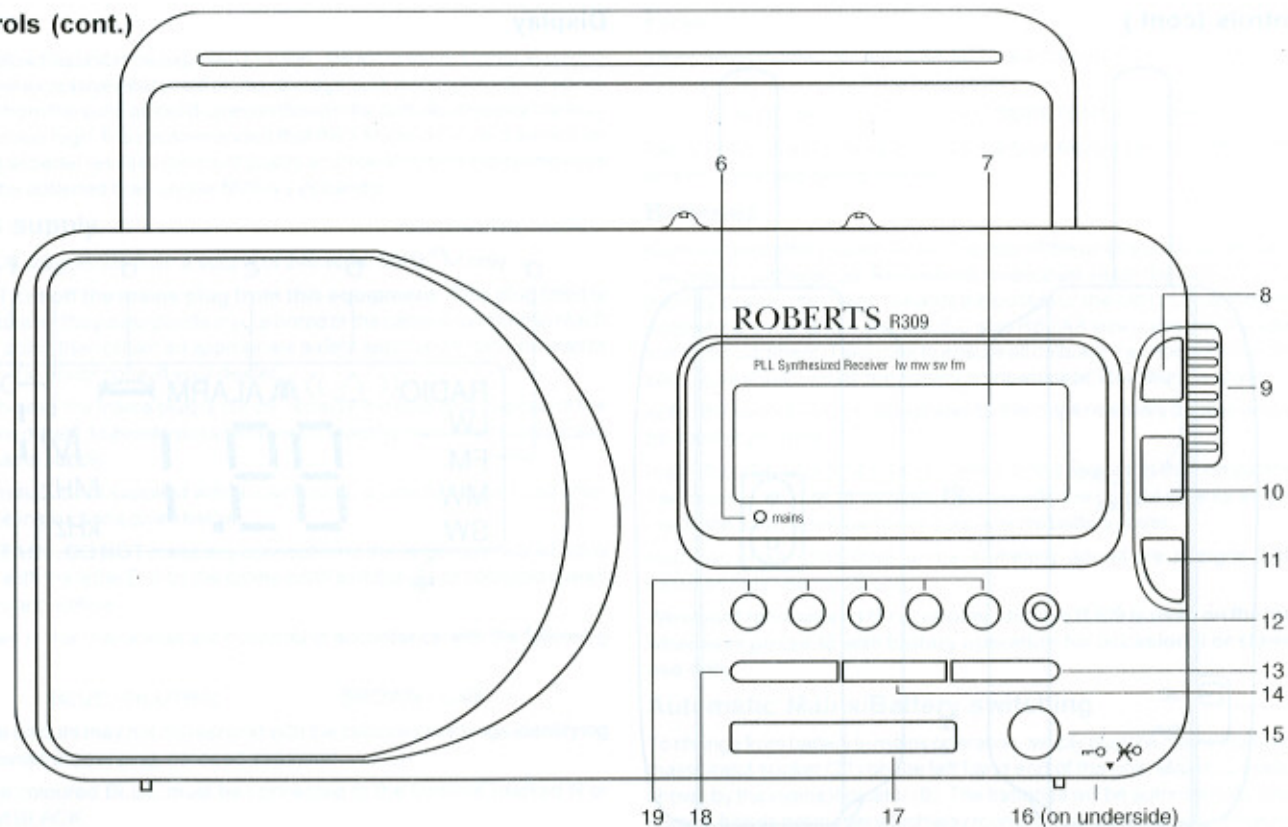
Controls



1. Headphone socket
2. Telescopic aerial
3. Tone control

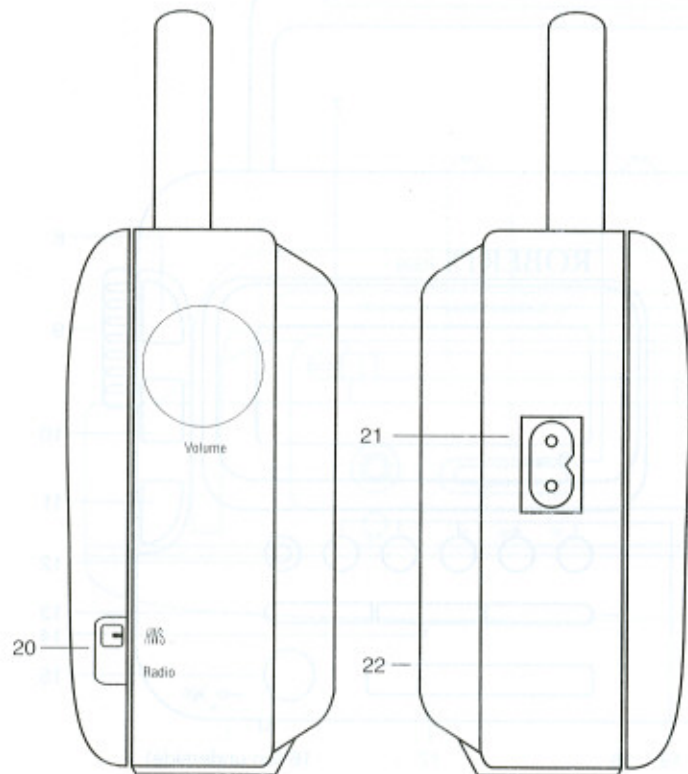
4. Waveband switch
5. Sensitivity switch

Controls (cont.)



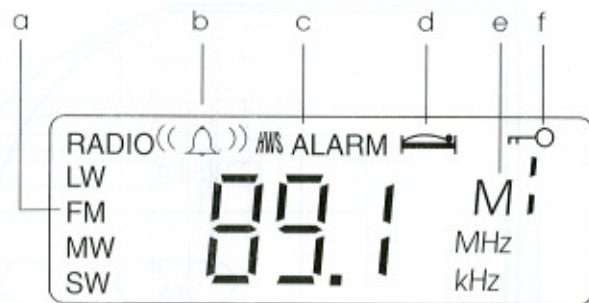
- | | | | |
|---------------------------|----------------------------|--------------------------------|--------------------|
| 6. Mains indicator | 10. Tuning down/hr. button | 14. Sleep button | 18. Time button |
| 7. Liquid crystal display | 11. Light button | 15. Power button | 19. Preset buttons |
| 8. Tuning up/min. button | 12. Memory button | 16. Safety lock (on underside) | |
| 9. Volume control | 13. Display button | 17. Alarm button | |

Controls (cont.)



- 20. Alarm switch
- 21. Mains input socket
- 22. Battery compartment (on rear)

Display



- | | |
|------------------------|-----------------------|
| a. Waveband indicator | d. Sleep time symbol |
| b. Alarm active symbol | e. Memory number |
| c. Alarm symbol | f. Safety lock symbol |

General

Do not allow this unit to be exposed to water, steam or sand. Do not leave the unit 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. It is recommended that the FM band be used where ever 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 R309 will operate from a supply of 240 volts, 50Hz  only.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adaptor. If in doubt consult your dealer.

If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied with a mains plug, or one has to be fitted, then follow the instructions given below:

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.

Fuse

When replacing the fuse only a 3A ASTA approved to BS1362 type should be used and be sure to re-fit the fuse cover.

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

Replacement fuse holders are available from Roberts Radio at the address shown on the rear of this manual.

Batteries

Remove the battery cover (22) on the rear of the unit by pushing the catch in the direction of the arrow. Remove the small cover inside the battery compartment by pushing the cover towards the bottom of the radio. Lift up the bottom edge of the cover and insert two IEC size R6 (AA size) cells into the spaces in the compartment. Take care to ensure all cells are inserted with the correct polarity as shown inside the battery compartment. Replace the cover.

note: the two R6 cells provide power for the clock/memory backup and must be fitted at all times.

Insert four IEC size R14 (D size) cells into the spaces in the compartment. Take care to ensure all cells are inserted with the correct polarity as shown inside the battery compartment. Replace the battery cover.

Reduced power, distortion, and a 'stuttering' sound are all signs that the batteries may need replacing.

We would recommend for economy, that the R309 is used on the mains whenever possible with battery operation for occasional or stand-by use only.

Automatic Mains/Battery switching

To change from battery to mains operation, simply plug the mains lead into the mains input socket (21) on the left hand end of the unit. Mains operation is shown by the mains indicator (6). The batteries will be automatically disconnected. It does not matter which way round the plug is inserted but make sure it is fully pushed home. The other end should be plugged into a domestic supply socket.

Aerials

On FM fully extend the telescopic aerial (2), angle and rotate for best reception.

On SW fully extend the telescopic aerial.

MW and LW stations are received on the built in ferrite rod aerial, rotate the entire radio to the position giving best reception. The telescopic aerial is inoperative on MW and LW.

Operating

Turn on the receiver by pressing the power button (15). Adjust the volume (9) and tone control (3) to the desired level and tone of sound.

Search tuning

Press and hold the tuning up button (8) or the tuning down button (10) until the frequency in the display starts to change continuously. Immediately release the button. The radio will continue searching until a station of reasonable strength is found. To search for additional stations it is only necessary to repeat the above operation. Automatic search tuning may be stopped by a single press of either the tuning up (8) or tuning down (10) buttons.

Manual tuning

Pressing the tuning up button (8) or tuning down button (10) intermittently will change the frequency up or down in steps until the desired frequency is reached. Each step is equal to 50kHz on FM - 5kHz on the SW band - 9kHz on MW - and 1kHz on LW.

Memory presets

You may store up to 5 different frequencies on each of the 4 wavebands providing a total of 20 preset stations.

Select the desired waveband using the waveband switch (4) located on the top panel.

Tune in to the desired frequency using search or manual tuning as described above.

When the desired station is tuned in press the memory button (12) a flashing 'M' will appear in the liquid crystal display (7).

While the 'M' is flashing, press one of the preset buttons (19) under which you wish to store the selected station. The preset number will now appear in the display alongside a now stationary 'M'. Repeat this procedure for the remaining presets.

To tune to a preset station, first select the waveband and then press the required preset button.

Setting the clock

Turn off the radio using the power button (15). With the power off the display will indicate the time.

Hold down the time button (18) and set the hours using the hrs. button (10) and minutes using the min. button (8). The display will now indicate the correct time.

Setting the alarm time

Turn off the radio using the power button (15).

Press the display button (13) to display the alarm time. The alarm symbol (b) will appear in the display (7).

While the alarm symbol is visible in the display, hold down the time button (18) and set the hours using the hrs. button (10) and minutes using the min. button (8). The display will now show the alarm time. After approximately 5 seconds the display will revert to showing the current time.

Waking up to the radio

Press the alarm button (17) to activate the alarm. The alarm active symbol (b) will appear in the display and the alarm time will be shown for 5 seconds. Set the alarm switch (20) to the radio position. When the alarm time is reached the radio will turn on to the station and volume level at which you were last listening. To cancel the alarm press the alarm button (17) the alarm active symbol (b) will be removed from the display. To reactivate the alarm without changing the time press the alarm button (17) the alarm active symbol (b) will again show in the display.

Waking up to the HWS (Humane wake system) alarm

Press the alarm button (17) to activate the alarm. The alarm active symbol (b) will appear in the display and the alarm time will be shown for 5 seconds. Set the alarm switch (20) to the HWS position. When the alarm time is reached

the alarm will turn on initially at a low level - gradually increasing to a higher level. To cancel the alarm press the alarm button (17) the alarm active symbol (b) will be removed from the display. To reactivate the alarm without changing the time press the alarm button (17) the alarm active symbol (b) will again show in the display.

Sleep timer

The R309 has a built in sleep function which will automatically switch off the radio after 60 minutes of playing. You can set this function and not have to worry about falling asleep without turning off the radio. Make sure the radio is turned off.


Press the sleep button (14). The sleep symbol (d) will appear in the display (7) and the radio will play for 60 minutes. The radio may be switched off at any time prior to the 60 minutes by pressing the sleep button (14).

note: setting the sleep timer has no effect on the alarm setting.

Light

Press the light button (11) to turn on the display light. The light will remain on while the button is depressed.

Safety lock

The R309 is fitted with a safety lock switch (16) to prevent accidental operation. To prevent operation when travelling or during storage, set the switch to the  position. The safety lock symbol (f) will appear in the display.

Sensitivity switch.

When listening to a strong station the signal may become slightly distorted, set the sensitivity switch (5) to the local position to improve reception.

note: the sensitivity switch is operational on the FM and SW bands only.

Specifications

Power Requirements

Mains	:	240 volts, 50Hz  only
Batteries	:	Radio 6.0V 4 x IEC R14 (C size) cells Clock 3.0V 2 x IEC R06 (AA size) cells

Battery Life

Approx. 40hrs of listening for 4 hours a day at normal volume, using Alkaline cells.

Frequency Coverage

FM	87.5 - 108MHz
SW	5.9 - 15.50 MHz
MW	531 - 1602kHz
LW	153 - 281kHz

Circuit Features

Loudspeaker		100mm 4ohms
Output Power		1watt into 4ohms
Headphone socket		3.5mm dia
Aerial System	FM	Telescopic aerial
	SW	Telescopic aerial
	MW	Built-in Ferrite aerial
	LW	Built-in Ferrite aerial

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.

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 back page of this manual before taking further action.

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

ROBERTS RADIO CO. LTD.

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