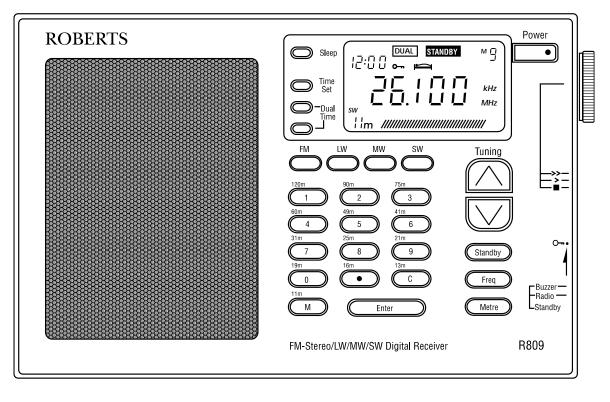
ROBERTS Sound for Generations

R809

Multi-band digital preset stereo world radio



Please read this manual before use

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Features

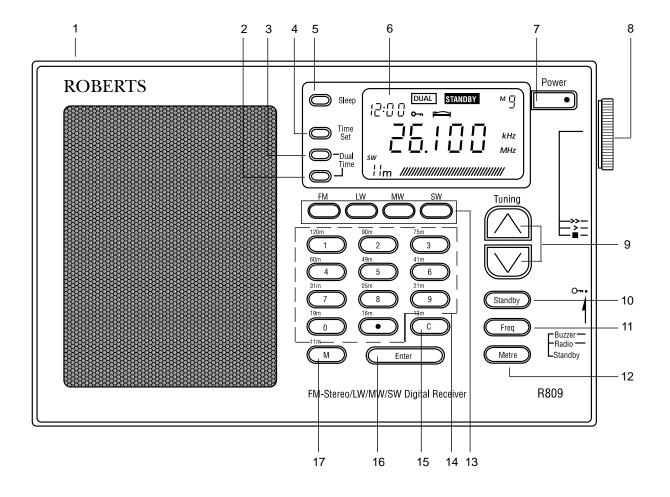
- Continuous gap-free tuning of LW, MW and SW bands.
- Large, easy-to-read Liquid Crystal Display (LCD) showing station frequency, dual time, memory location and function status.
- Direct frequency entry by keypad allowing instant access to any station.
- Fifty four memory presets offer instant access to your favourite stations on LW, MW, FM and SW.
- Dual time facility allows you to preset your local time or UTC time or any two time zones with instant recall.
- Scanning circuit allows you to search for active stations.
- Cancel button allows you to instantly change incorrect information keyed into the microprocessor.
- SW metre buttons offer instant selection of any desired SW band.
- Sleep timer allows you to fall asleep to music.

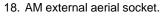
• Rotary tuning control.

Controls

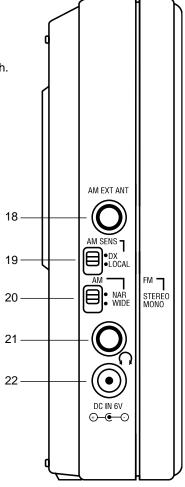
- 1. Telescopic aerial.
- 2. Dual time set button.
- 3. Dual time button.
- 4. Time set button.
- 5. Sleep button.
- 6. Liquid crystal display.
- 7. Power button.
- 8. Tuning knob.
- 9. Manual/auto scan tuning buttons.

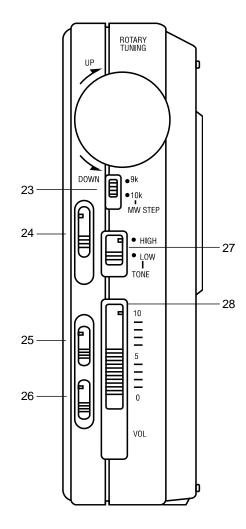
- 10. Standby button.
- 11. Frequency select button.
- 12. Metre select button.
- 13. Waveband select buttons.
- 14. Numeric and metre band buttons.
- 15. Cancel button.
- 16. Enter button.
- 17. Memory button.

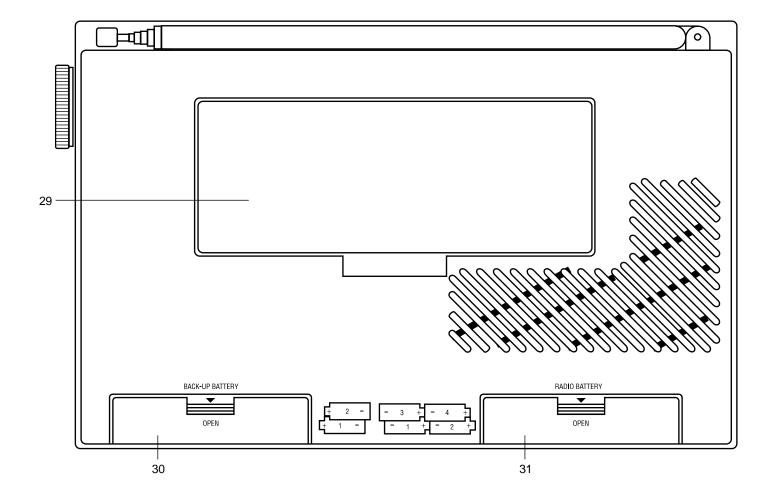




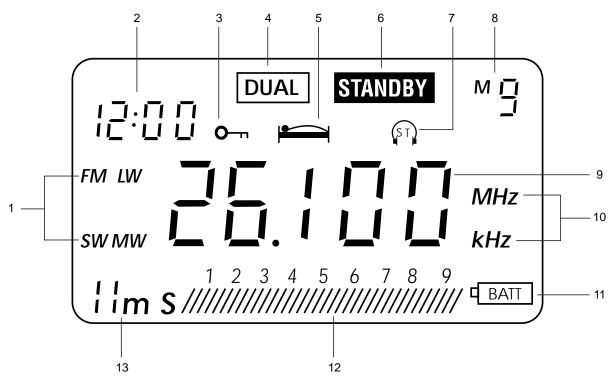
- 19. DX/Local switch (AM sensitivity).
- 20. FM mono/stereo and AM wide/narrow switch.
- 21. Stereo headphone socket.
- 22. DC input socket (6 volts).
- 23. MW 9/10kHz switch.
- 24. Tuning speed switch.
- 25. Lock switch.
- 26. Alarm selector switch.
- 27. High/low tone switch.
- 28. Volume control.
- 29. Folding stand.
- 30. Back-up battery compartment.
- 31. Main battery compartment.







Display information



- 1. Waveband indicators.
- 2. Time display.
- 3. Lock switch indicator.
- 4. Dual time indicator.

- 5. Sleep function indicator
- 6. Standby indicator.
- 7. FM stereo indicator.
- 8. Memory preset indicator.

- 9. Frequency display.
- 10. Frequency units indicator.
- 11. Battery indicator.
- 12. Signal strength and battery level indicator.
- 13. SW metre band indicator.

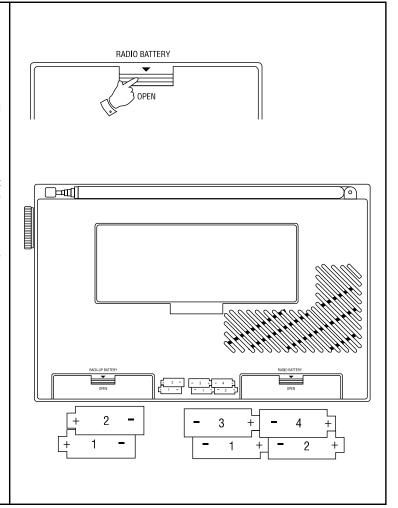
Installing batteries

This radio can be operated using :-

6 Alkaline LR6 (AA size) batteries.

AC adaptor (optional extra Roberts type PU6-B).

- 1. Open both battery compartments by pressing the latch marked "OPEN", slide the cover in the direction of the arrow and lift off.
- 2. Insert 4 LR6 (AA size) batteries into the compartment marked "RADIO BATTERY" and 2 LR6 (AA size) batteries into the compartment marked "BACK-UP BATTERY" ensuring that the batteries are positioned on top of the ribbons to allow for easy removal.
- 3. Replace the battery covers over their compartments and push in the opposite direction to the arrows until a click is heard.

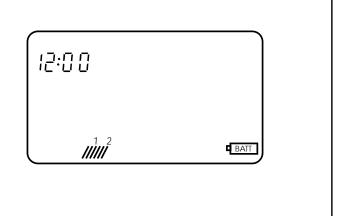


Battery replacement

The battery indicator will display the main radio battery condition for approximately 7 second after the radio is switched off. If the indicator falls below "2" the 4 radio batteries should replaced.

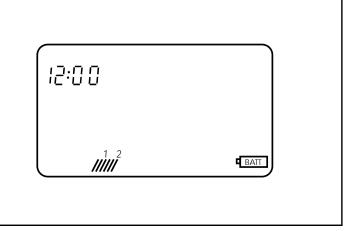
Note:

When changing back-up batteries the 4 radio batteries must be installed to prevent clock time and memory loss.



Low battery warnings

1. Replace the 4 radio batteries if the battery indicator falls below "2".



2. Replace the 4 radio batteries if "E" appears in the display.	
3. Replace the 2 back-up batteries if the display begins to fade.	M [] M [] MHz SW 1 2 3 4 5 6 7 S //////////////////////////////////

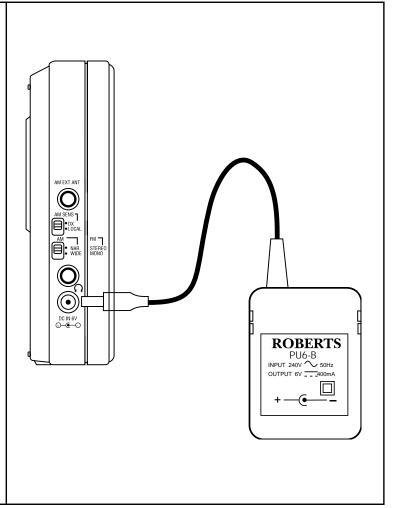
Using an AC adaptor (optional)

The AC adaptor for use with the R809 should provide 6 volts DC output at 300mA centre pin negative (Roberts type PU6-B).

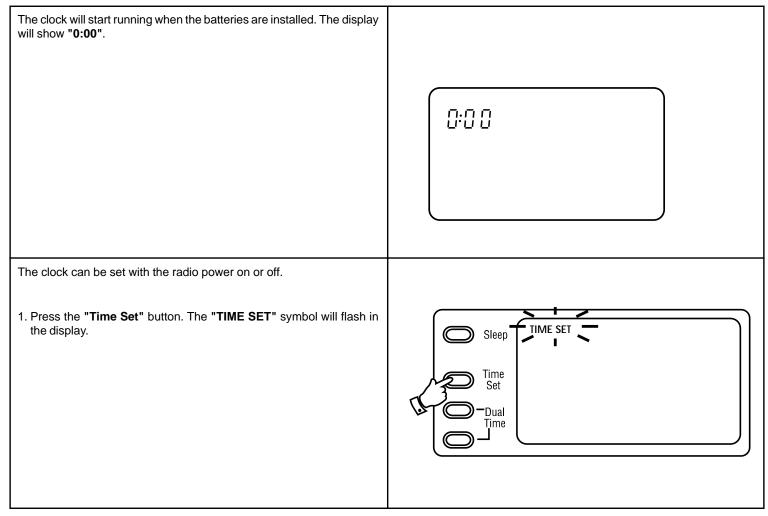
Insert the adaptor plug into the socket marked DC IN 6V on the left side of the radio. Plug the adaptor into a standard 13A mains socket outlet. Whenever the adaptor is used the batteries are automatically disconnected.

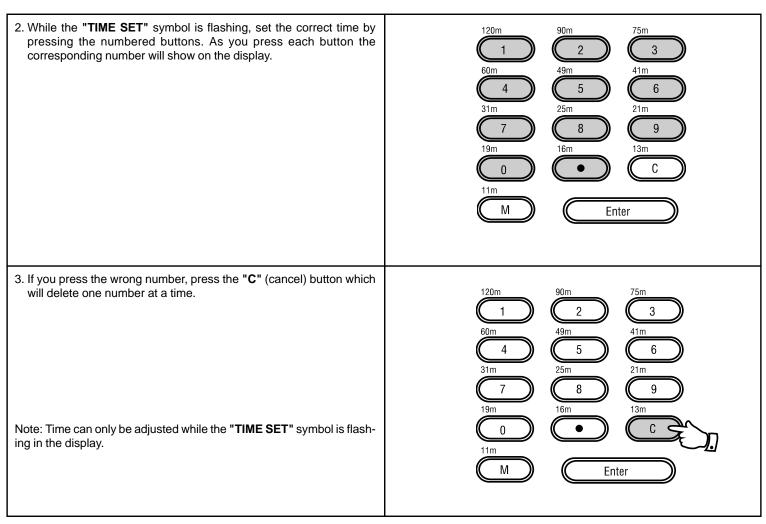
The AC adaptor should be disconnected from the mains supply when not in use.

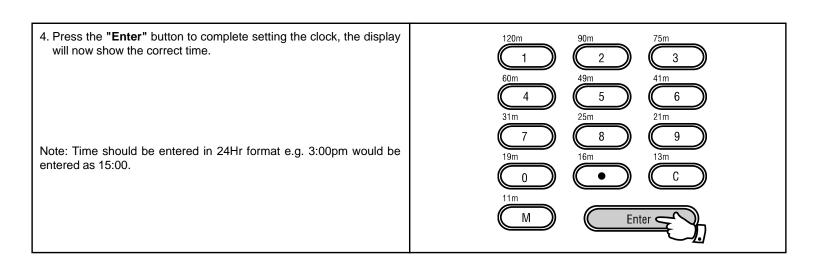
We would recommend for economy that the R809 be used via an AC adaptor wherever possible with battery operation for occasional or stand-by use only.



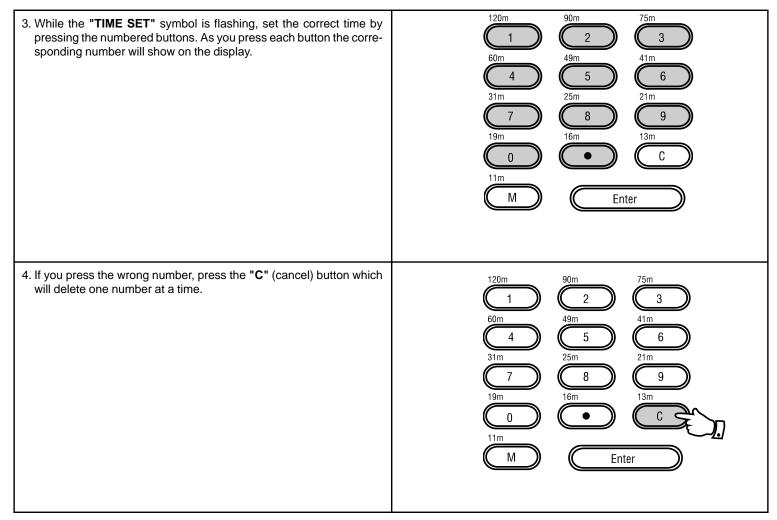
Setting the clock

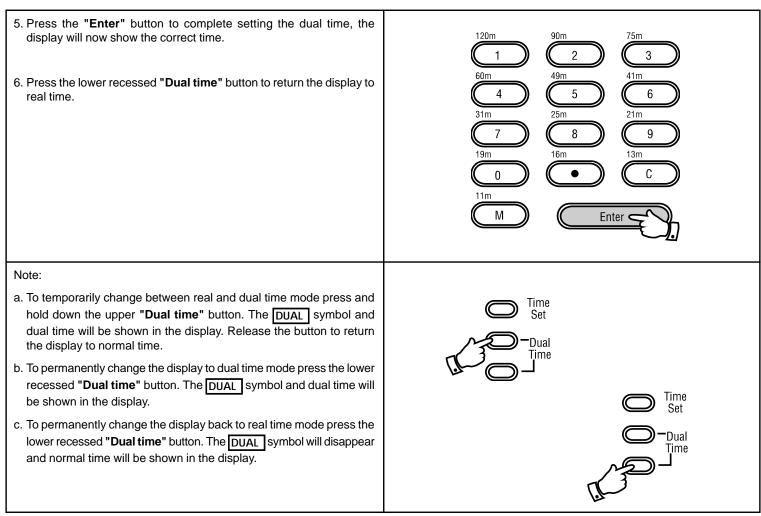






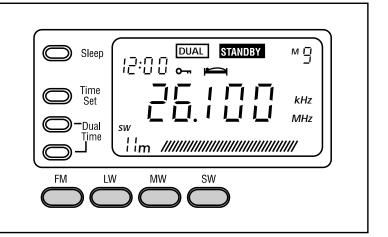
Setting dual time





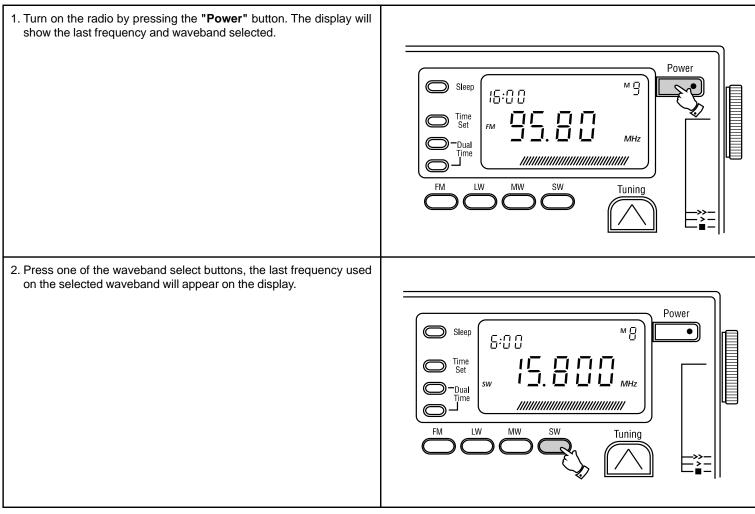
Waveband selection

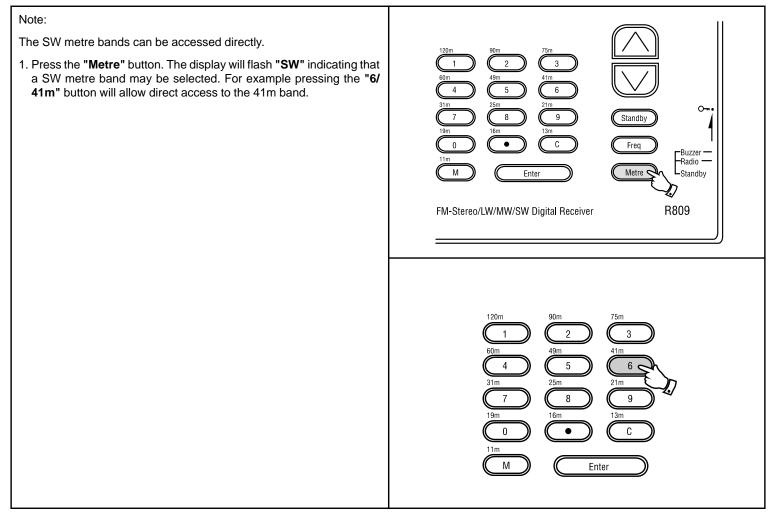
There are four waveband selection buttons located below the Liquid Crystal Display.



Waveband Frequency Coverage

FM	87.5-108MHz
LW	150-519kHz
MW	520-1710kHz
SW	1.711-29.999MHz





Tuning

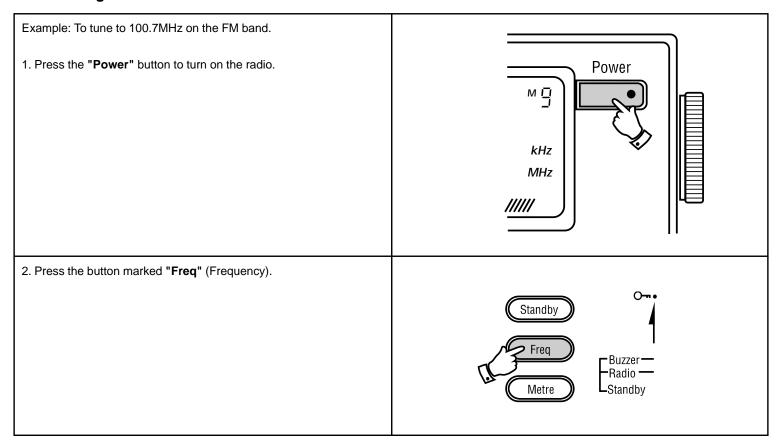
Band	Frequency Range	Aerial type	Illustration
LW	150-519kHz	Internal Rotate for best reception	ROBERTS Same Section Section
MW	520-1710kHz	Internal Rotate for best reception	ROBERTS O and 1200 a

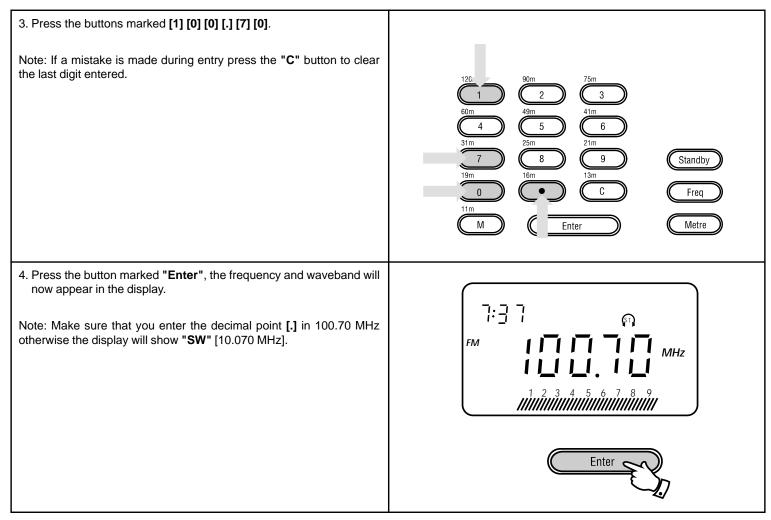
Band	Frequency Range	Aerial type	Illustration
SW	1.711-29.999MHz	Telescopic Fully extend the aerial for best reception	ROBERTS O TO
FM	87.5-108MHz	Telescopic Fully extend the aerial, angle and rotate for best reception	ROBERTS Pool Pool

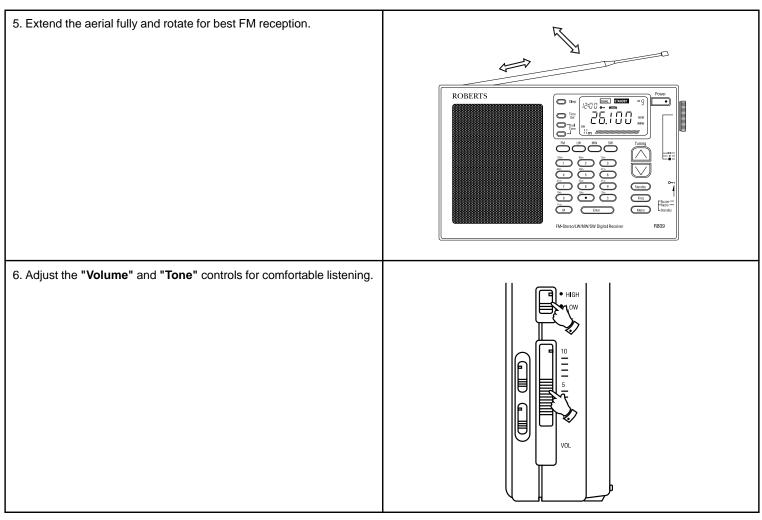
Stations may be selected by using any one of the four different available tuning methods:

• Direct tuning • Manual tuning • Scan tuning • Memory tuning

Direct tuning



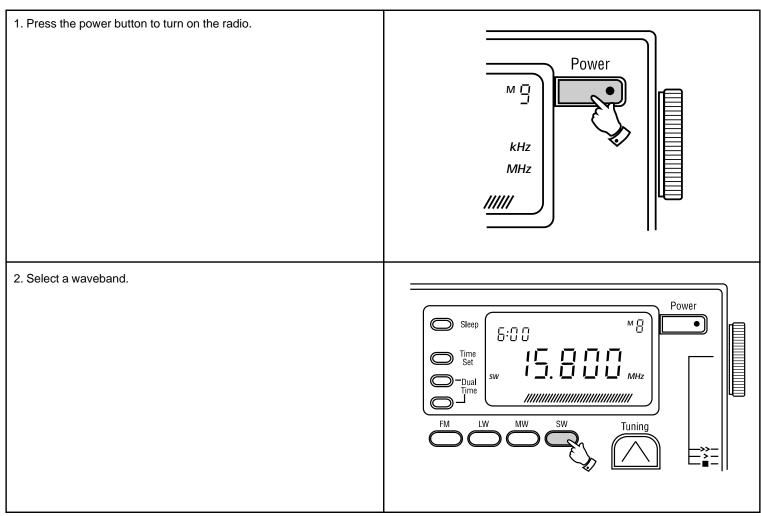




7. When selecting a stereo FM station, and using stereo earphones, make sure that the FM mode switch is in the STEREO position.

AMM NAP WIDE WIDE WORK OF THE WOR

Manual tuning



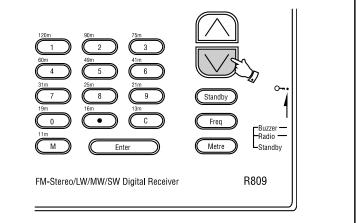
3. A single press on either the [\bigwedge] or [\bigvee] buttons will change the frequency up or down.

Note: Each press of the [\bigwedge] or [\bigvee] buttons will change the frequency in increments of:

FM: 50kHz LW: 9kHz

MW: 9kHz or 10kHz

SW: 5kHz



4. Manual tuning can also be carried out by rotating the **"TUNING"** control until the required frequency is reached.

Note: with the **"Tuning speed"** control set to the positions shown the tuning will change in steps as follows:

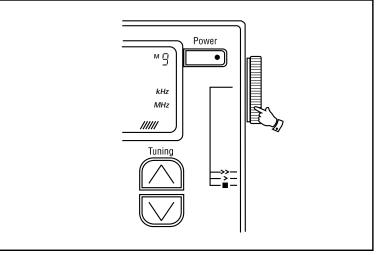
 FM:
 100kHz
 50kHz

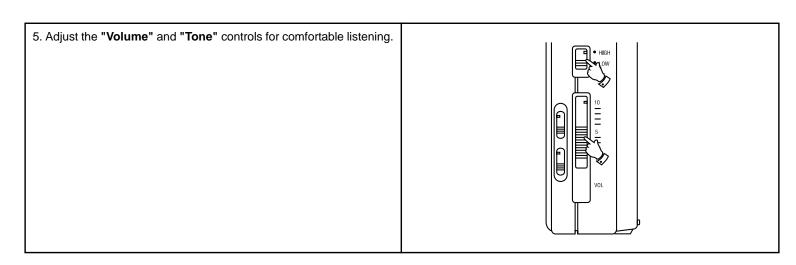
 LW:
 9kHz
 1kHz

 MW:
 9kHz or 10kHz
 1kHz

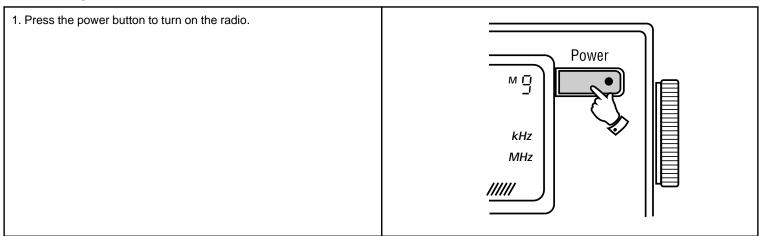
 SW:
 5kHz
 1kHz

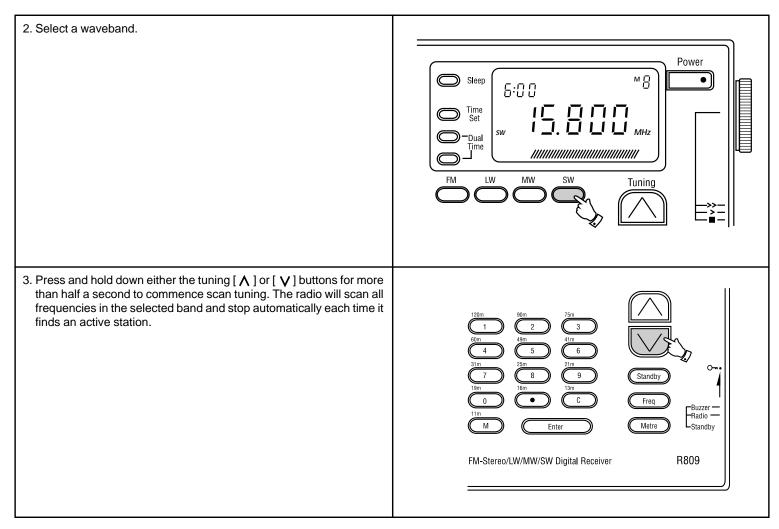
To prevent accidental operation of the "Tuning" control, set the "Tuning speed" control to the "■" (Lock) position.

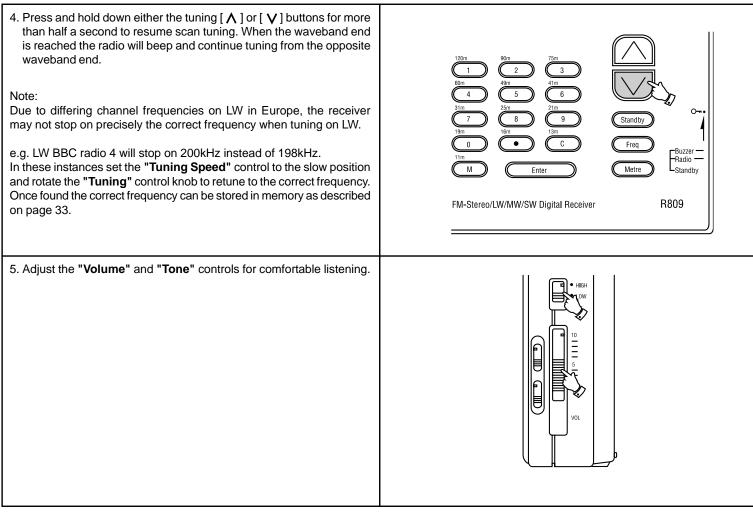




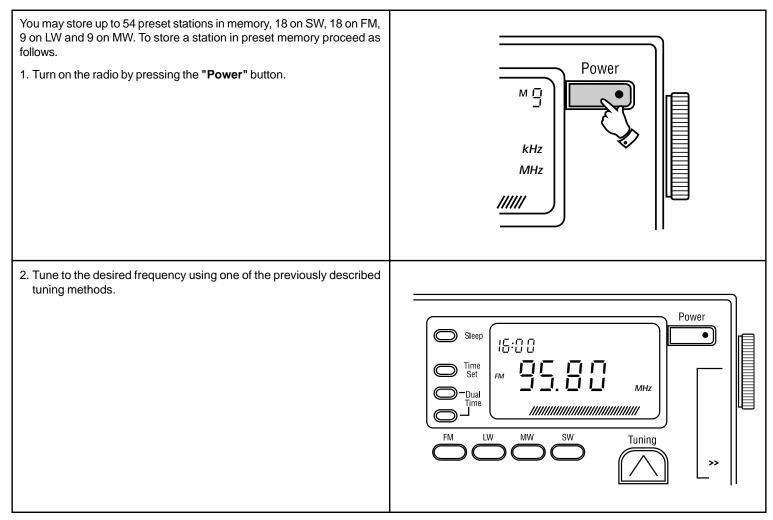
Scan tuning







Memory tuning



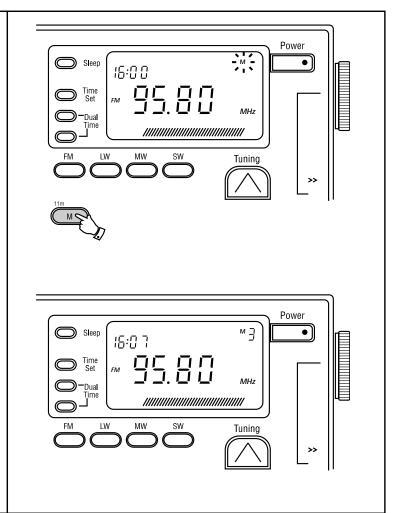
- 3. Press the button marked "M" (memory), the memory symbol "M" will flash in the display for approx. 15 seconds.
- 4. Press any one of the keyboard buttons numbered 1 9. The memory symbol "M" will stop flashing and your station will be stored in the memory position selected.

Note

Stations can only be preset while the memory symbol ${\bf "M"}$ is flashing in the display.

On SW and FM a further 9 stations can be preset by using memory locations 01 - 09.

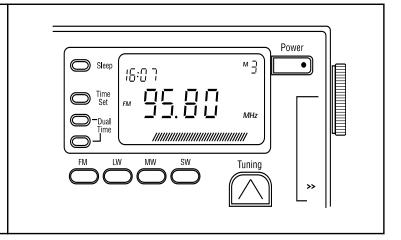
e.g. to store a SW station in memory location 02. Press the button marked "M" (memory) followed by the buttons marked [0] and [2].



Recalling a station from preset memory

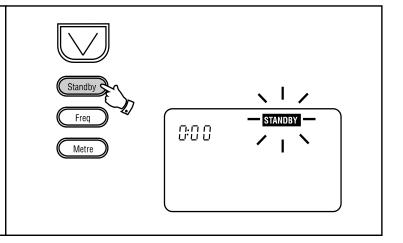
Press the power button to turn on the radio. Select a waveband for the station required.	
Press the button corresponding to the preset memory location for the required station. The radio will instantly tune to the station and the display will show its frequency and memory location. If you wish to select another preset station press any one of the numbered buttons for instant access.	

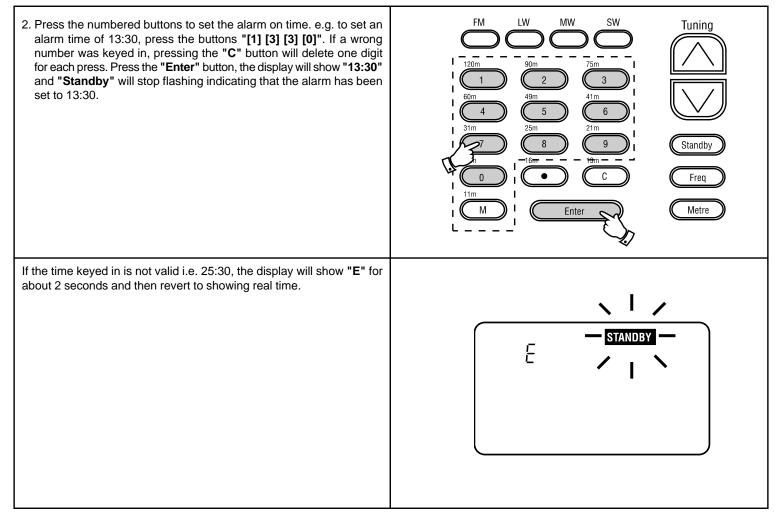
- 3. For SW and FM presets 01-09, push the [0] button followed by the any one of the buttons [1] [9]
- e.g. to recall SW memory location 02 press the buttons marked **[0]** and **[2]**.

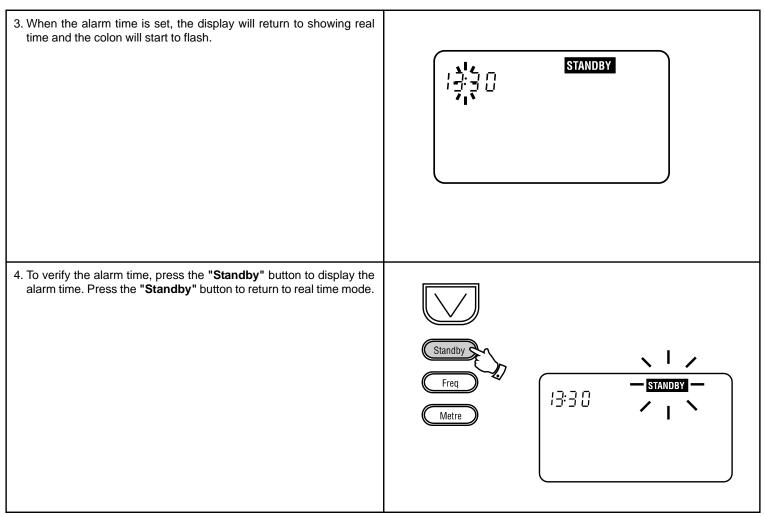


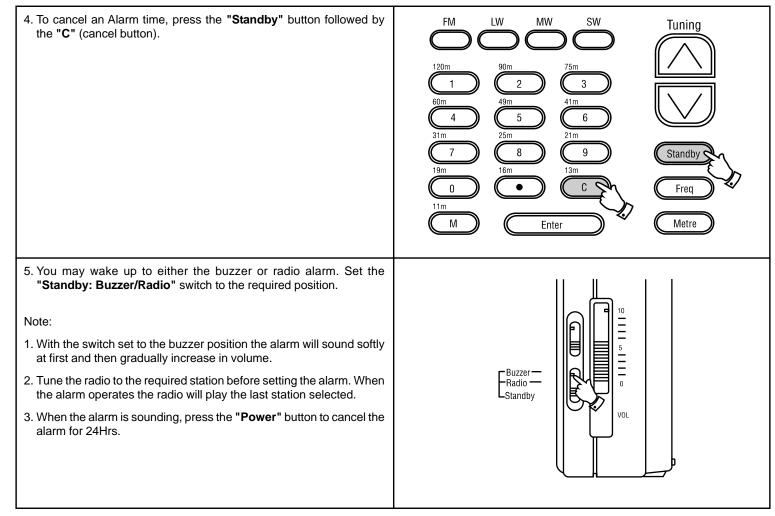
Setting the alarm (Standby)

1. Press the "Standby" button the display will flash STANDBY and show the last alarm time set, (this will be "0:00" the first time the alarm is set.









Setting the sleep timer

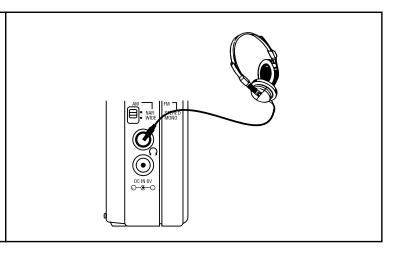
The sleep timer will automatically switch off the radio after a preset time has elapsed. 1. Repeatedly press the "Sleep" button, the display will cycle through the available sleep times in the order 60-45-30-15-90. Release the Sleep "Sleep" button when the required sleep time appears in the display. 12:00 MHz Time Set 'Dual Time 2. To turn off the radio before the sleep time has elapsed, press the "Power" button, the symbol will disappear from the display. Power kHz MHz

Mono/Stereo and DX/Local switch

To listen to FM stereo broadcasts, tune to the required station, plug in headphones and set the "Mono/Stereo switch located on the left side of the radio to the "Stereo" position. If the station being received is weak some hiss may be audible, to reduce the hiss set the "Mono/Stereo" switch to the "Mono" position to return to mono operation. Note: FM stereo is only available via headphones.	AM FM FM STEREO MONO
2. When listening to AM (MW/LW/SW) broadcasts, the "DX/Local" switch adjusts the radios sensitivity. If you are listening to a strong station and the signal is distorted, set the "DX/Local" switch to the "Local" position for best reception. For normal or weak stations set the "DX/Local" switch to the "DX" position for maximum sensitivity.	AM SENS 7
	•LOCAL

Headphones

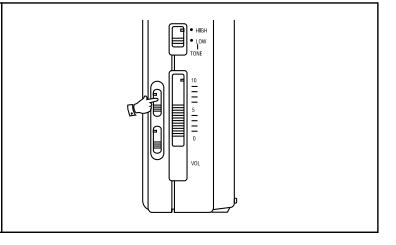
Headphones for use with this radio should be stereo and fitted with a 3.5mm stereo jack plug. Insert the headphone plug into the socket marked on the left side of the radio. When the headphones are plugged in the loudspeaker is automatically disconnected.



Lock switch

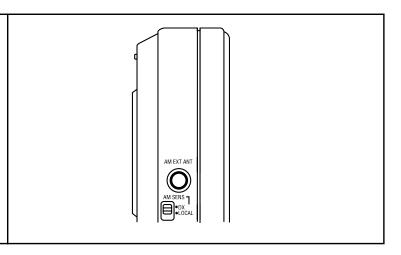
The "Lock" switch is use to prevent unintentional operation of the radio.

1. Set the "Lock" switch located on the right side of the radio to the up position, the Om 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. To release the "Lock" switch, move the switch down. The Om symbol will be removed from the display.



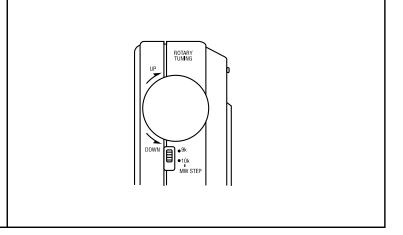
Using an external aerial

To obtain optimum performance from this unit, especially when listening to SW an external aerial should be used. This can be a length of wire 10 - 15 metres long connected to a 3.5mm mono jack plug which is then inserted into the socket marked "AM EXT. ANT" located on the left side of the radio.



MW step size switch

1. This switch located on the right side of the radio beneath the "Rotary tuning" knob provides a means of changing the MW step size from 9kHz to 10kHz. In Europe and most other parts of the world set the switch to the 9kHz position. For the USA and Canada set the switch to the 10kHz position.



Care and maintenance

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.

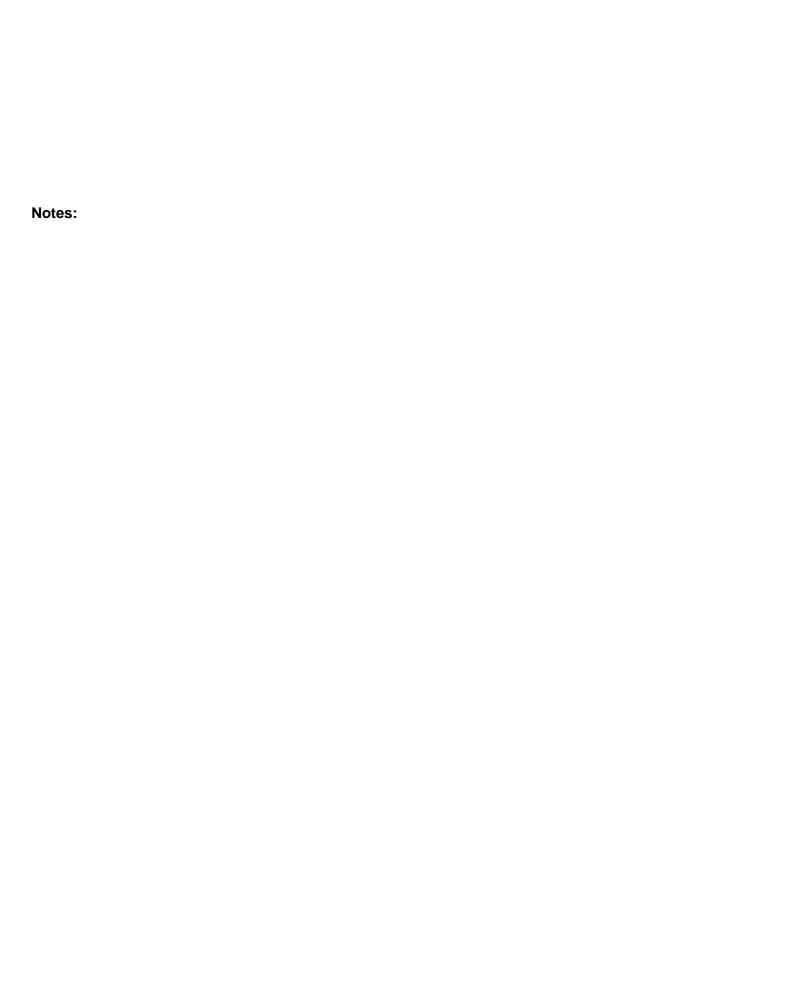




Specifications

equency ra	ange:		Power requirements	6.0V
FM		87.5 - 108MHz	Batteries	6 x IEC size LR6 (AA size)
LW		150 - 519kHz	Battery Life	Approx. 12-15hrs of listening when used for
MW		520 - 1710		hours a day at normal volume using alkaline beteries.
SW		1.715 - 29.995MHz	Circuit features	
	120m	2.300 - 2.495MHz	Semiconductors:	1 LSI, 9 IC's, 8 FET, 41 transistors, 41 diodes
	90m	3,200 - 3,400MHz	Aerial system	LW Built in ferrite aerial
	75m	3.900 - 4.000MHz		MW Built in ferrite aerial
	60m	4.750 - 5.060MHz		SW Telescopic aerial
	49m	5.950 - 6.200MHz		FM Telescopic aerial
			Output power:	440mW.
	41m	7.100 - 7.350MHz	Sockets	
	31m	9.400 - 9.900MHz	Headphone socket	3.5mm dia stereo.
	25m	11.600 - 12.100MHz	AM external aerial	3.5mm.
	21m	13.570 - 13.870MHz	DC in	6.0 volts centre pin negative.
	19m	15.100 - 15.800MHz	Accessories:	Carrying pouch.
	16m	17.480 - 17.900MHz		, ,,
	13m	21.450 - 21.750MHz		Imported by:-
	11m	25.600 - 26.100MHz		ROBERTS RADIO LIMITED PO BOX 130 MEXBOROUGH SOUTH YORKSHIRE S64 8YT

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 back page of this manual 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 3