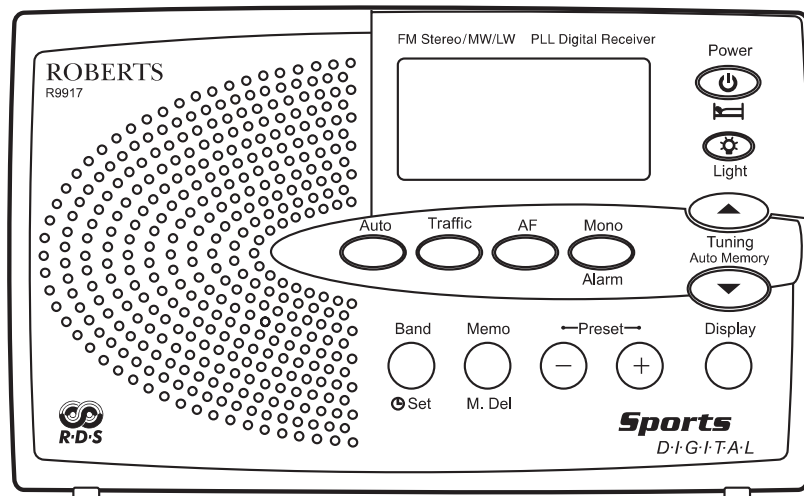


ROBERTS

Sound for Generations

R9917

3-band digital RDS preset stereo radio



Please read this manual before use

Contents

Features	1	Radio Data System (<i>RDS</i>)	25
Controls	2	Operating your radio using RDS .	27
Display	5	Alternate Frequency (AF)	28
Installing batteries	6	Traffic Announcements (TA)	29
Battery replacement	7	ATS (Automatic Tuning System) ..	31
Setting the clock automatically	8	Sleep timer	33
Setting the clock manually	10	Display Modes/Backlight	34
Setting the alarm time	13	Lock Switch	35
Wake to alarm	15	Earphones	36
Search tuning	16	Headphone socket	37
Manual tuning	17	AC Adaptor (not included)	38
MW (AM) tuning step size	18	Mono button	39
Presetting stations	20	Troubleshooting/Reset button	40
Recalling a preset station	22	Specifications	41
Changing preset station order	23	Guarantee	42
Deleting preset stations	24		

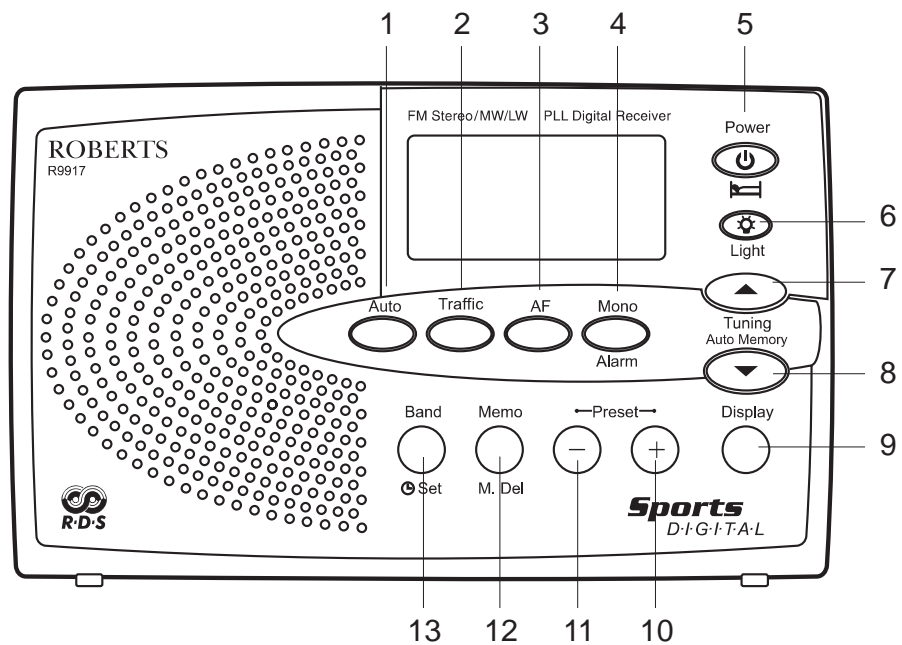
Features

- Auto rewind earphones.
- Station name display (RDS).
- Auto time set via RDS.
- Traffic information (TA).
- Alternate frequency function (AF).
- Automatically finds and stores BBC national FM stations.
- Thirty memory presets offer instant access to your favourite stations on LW, MW and FM.
- Full clock/alarm functions
- Adjustable sleep timer allows you to fall asleep to music.
- ATS (Auto Tuning System) which will scan and automatically preset stations.
- FM stereo via earphones.
- Scan and manual tuning modes.

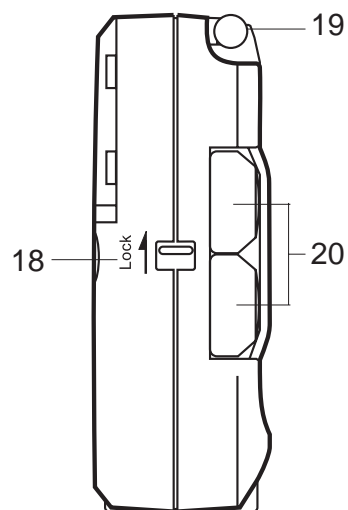
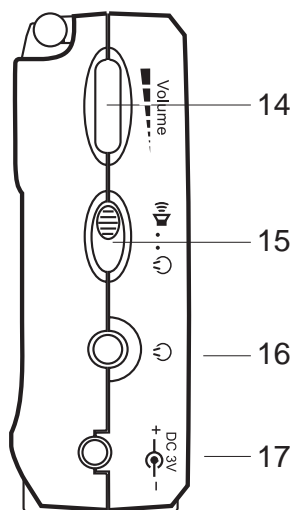
*If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)*

Controls

1. Auto time button
2. Traffic button
3. AF button
4. Mono/Alarm button
5. Power button
6. Light button
7. Tuning up button
8. Tuning down button
9. Display button
10. Preset up button
11. Preset down button
12. Memory/ Mem delete
13. Band/Time set button



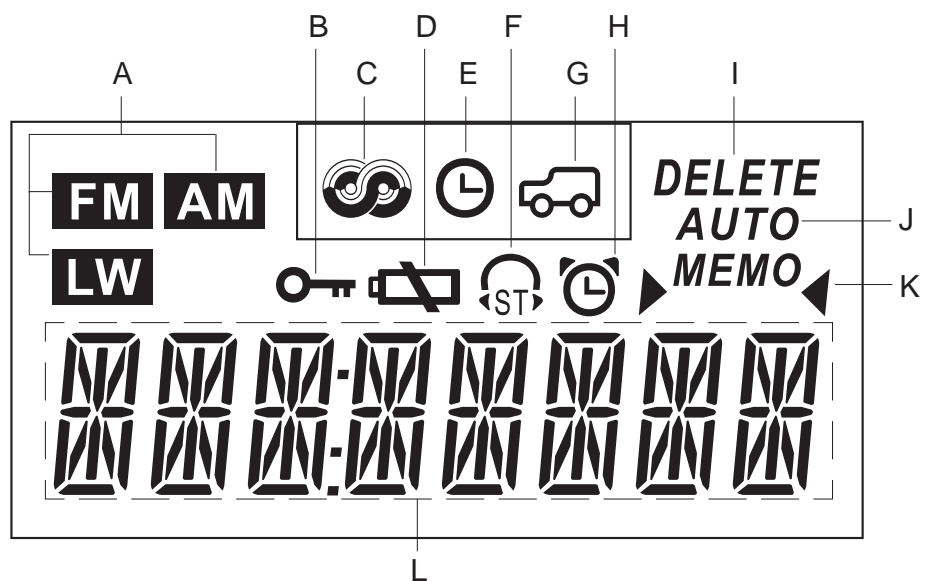
- 14. Volume control
- 15. Loudspeaker/Headphone switch
- 16. Headphone socket
- 17. DC input socket
- 18. Lock switch
- 19. Telescopic Aerial
- 20. Earphones



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

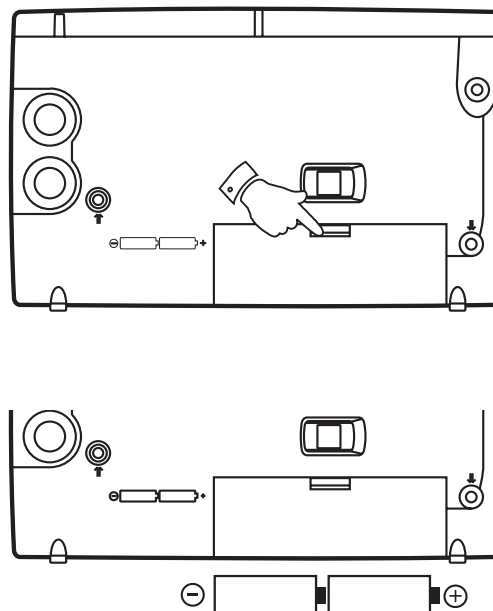
Display

- A. Waveband indicators
- B. Key lock indicator
- C. RDS indicator
- D. Low battery indicator
- E. Time indicator
- F. Stereo indicator
- G. Traffic indicator
- H. Alarm indicator
- I. Memory delete indicator
- J. Auto preset indicator
- K. Memory set indicator
- L. Frequency/time/station display



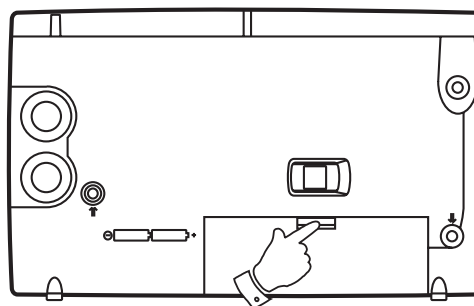
Installing batteries

1. Position the 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.



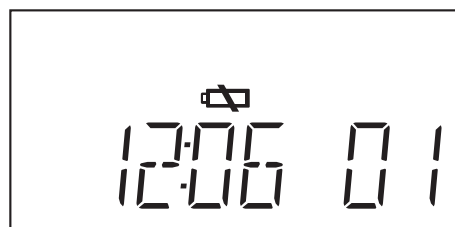
*If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)*

4. Replace the battery cover.



Battery replacement

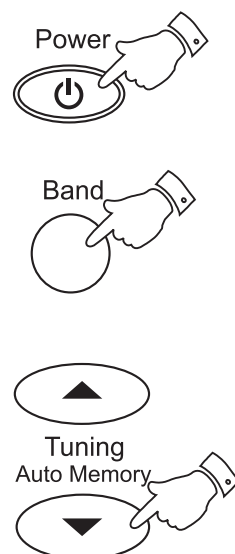
The battery indicator will appear in the display when the batteries are in need of replacement. After removing the batteries you have approximately 3 minutes to replace the batteries after which clock and memory information will be lost.



Setting the clock automatically

The clock time can be set automatically when receiving an RDS station that transmits clock time (CT). The CT information is transmitted once every minute. If the station has sufficient signal strength the clock will set within one or two minutes.



1. Switch on the radio with the **Power button**.
2. Select the FM waveband by repeat pressing of the **Band button**.
3. Fully extend the **Telescopic aerial**.
4. Press and hold down the **Tuning up or down buttons** until the frequency in the display begins to change rapidly, release the button.

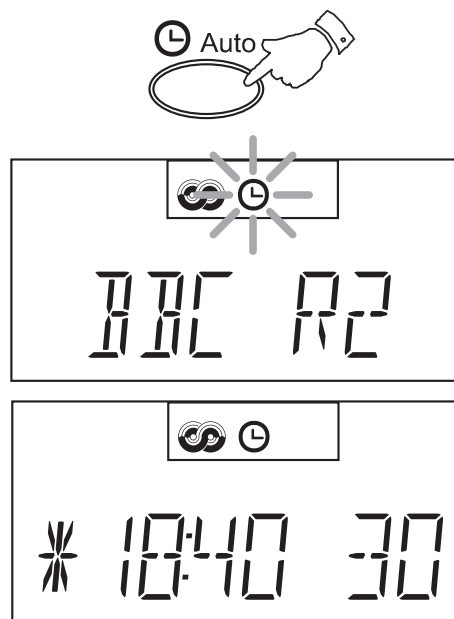


If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)

5. The radio will now start to search the FM waveband and will stop when it finds a station of sufficient strength. If the station is of sufficient strength the **RDS** symbol will light up in the liquid crystal display.

6. Press the **Auto time set button**.

7. The auto time indicator  will flash in the liquid crystal display indicating that the radio is waiting for the RDS time signal. When the time is set the display will briefly show the time and the  indicator will stop flashing. If the clock does not set within three to four minutes, the radio station may not be transmitting clock time (CT) information - try another radio station.



Setting the clock time manually

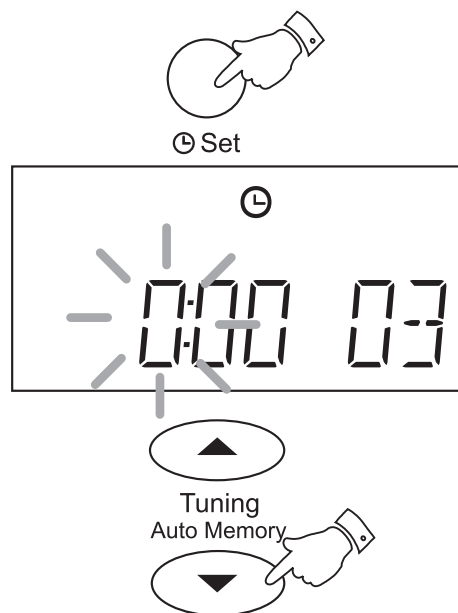
The clock will start running when the 2 LR6 (AA) size batteries are installed. When batteries are installed for the first time the display will show **0:00**. The seconds display will start to count as soon as batteries are installed.

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

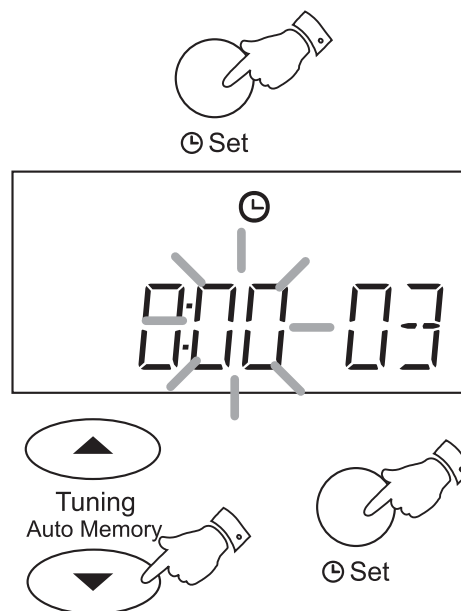


*If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)*

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**.



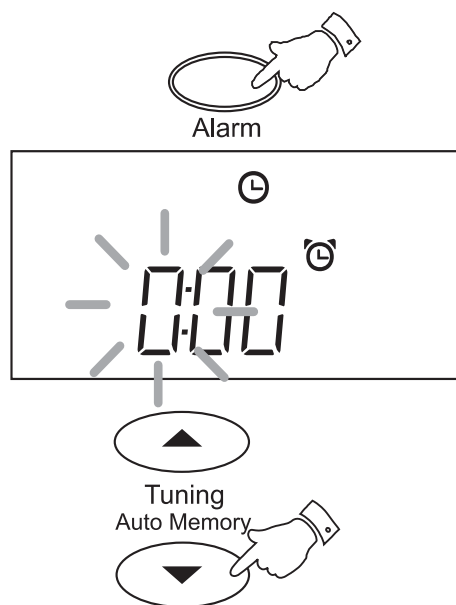
4. Press the **Time set button**, the minute digit begins to flash in the display.
5. Whilst the minute digit is flashing adjust the minutes using the **Tuning up/down buttons**.
6. Press the **Time set button** to complete time setting



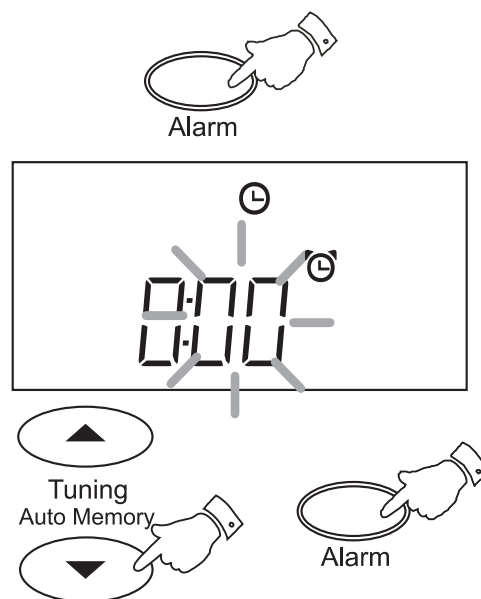
If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)

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**.





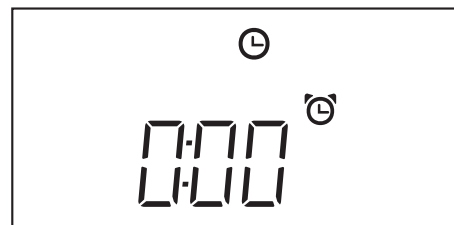
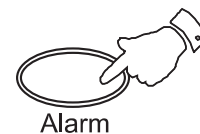
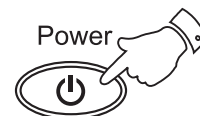
4. Press the **Alarm button**, the minute digit begins to flash in the display.
5. Whilst the minute digit is flashing adjust the minutes using the **Tuning up/down buttons**.
6. Press the **Alarm button** to complete alarm time setting



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

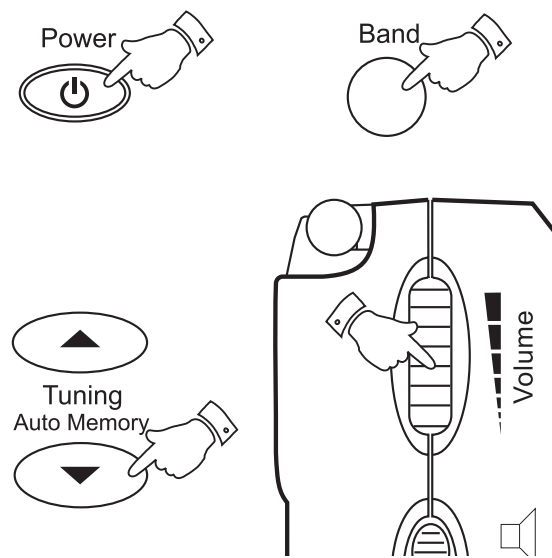
Wake to alarm

1. Set the alarm time as previously described.
2. Switch off your radio using the **Power Button**. Repeatedly press and release the **Alarm button** until the  symbol appears in the display.
3. 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.
4. 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

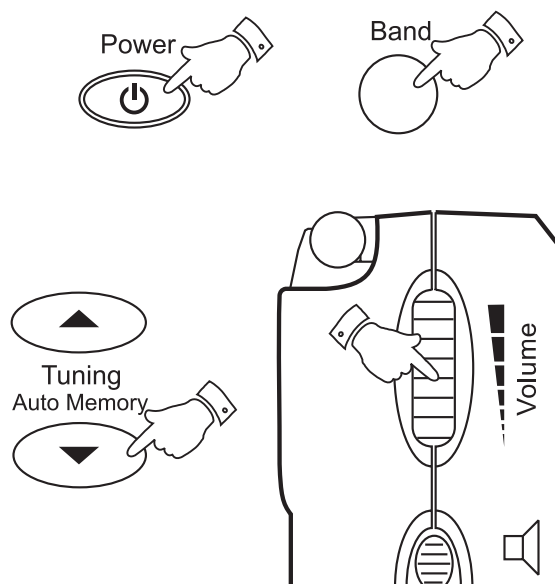
1. Switch on your radio by pressing the **Power button**.
2. Select the required waveband by repeat pressing of the **Band button**. The waveband selected will appear in the display. On FM fully extend the **Telescopic aerial**. On MW and LW rotate your radio for best reception.
3. Press and hold down 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.



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

Operating your radio - manual tuning

1. Switch on your radio by pressing the **Power 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.

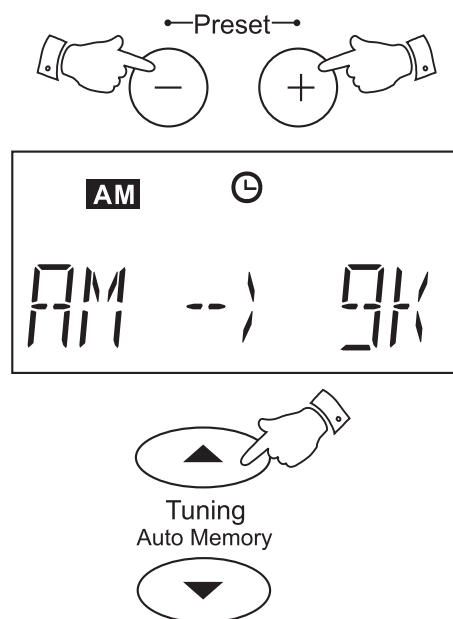


MW (AM) tuning step size

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:-

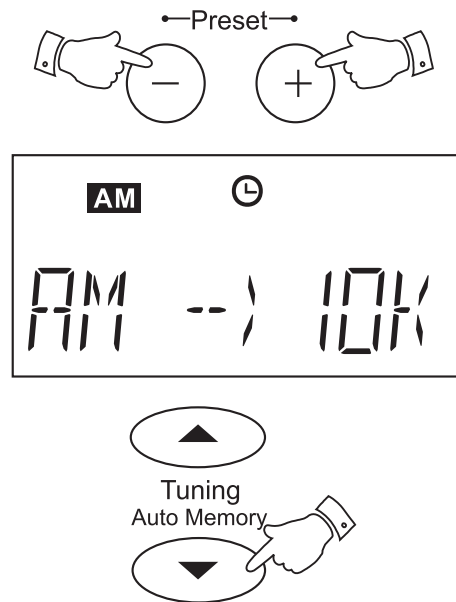
1. Switch on your radio and select the MW (AM) waveband.
2. Press and hold down both the **Preset + and Preset - buttons** until the display shows AM --} 9k.
3. Press the Tuning **up button** to select 10kHz step size. Press the tuning up button a second time to confirm the setting.



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

MW (AM) tuning step size (continued)

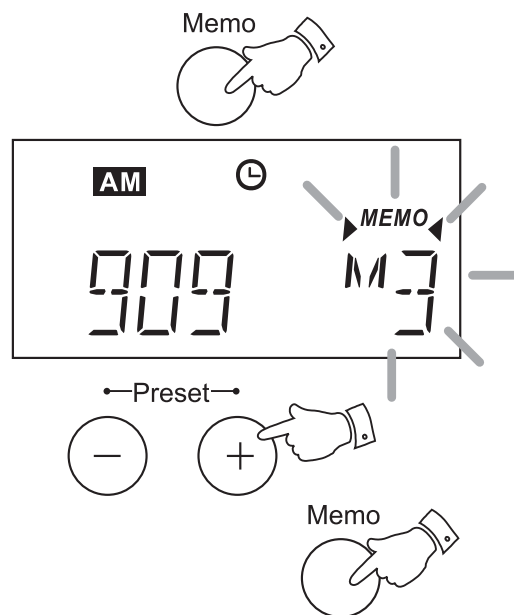
1. To change back to 9kHz step size press and hold down both the **Preset + and Preset - buttons** until the display shows AM --} 10k.
2. Press the Tuning **down button** to select 9kHz step size. Press the **Tuning down button** a second time to confirm the setting.



Presetting stations

You may store up to 16 stations on FM, 9 on MW and 5 on LW giving a total of 30 preset stations.

1. Tune into the required station using one of the tuning methods previously described.
2. Press and release the **Memo button**, the word 'Memo' will flash in the display.
3. Whilst 'Memo' is flashing press one of the **Preset up or down button** to select the preset under which you wish to store the station.
4. Press and release the **Memo button** to store the station. The preset number will now appear alongside 'M' in the display.



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

Presetting stations (continued)

7. Repeat the procedure for the remaining presets.

Note: Presetting of stations can only be carried out whilst 'Memo' is flashing in the display (5 seconds).

8. If all the preset memory locations are full pushing the **Memo button** will cause the display to show '**FUL.**' (FM) or '**FULL**' (MW and LW). If you still want to store a new station press the **Memo button**, the new station will replace the station stored in the preset location shown in the display.

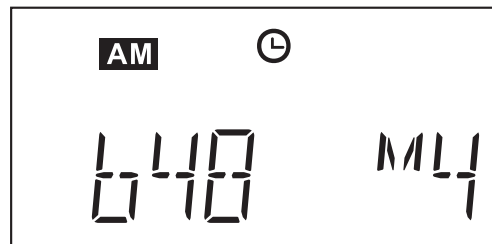
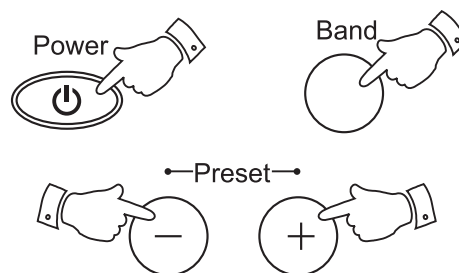


Recalling a preset station

1. Switch on your radio using the **Power button**.
2. Select the desired waveband using the **Band button**.
3. Press **Preset + or - buttons** to cycle through the available preset stations.

Your radio is also equipped with a Memory scan facility.

1. Press and hold down either the **Preset + and - buttons** to start memory scan. Your radio will scan the available memories pausing for a few seconds on each. To stop memory scan press either the **Preset + or - buttons** when the required preset is reached.

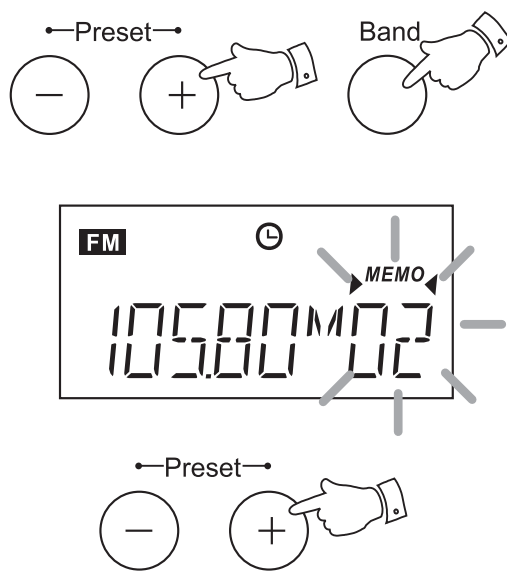


If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)

Changing preset station order

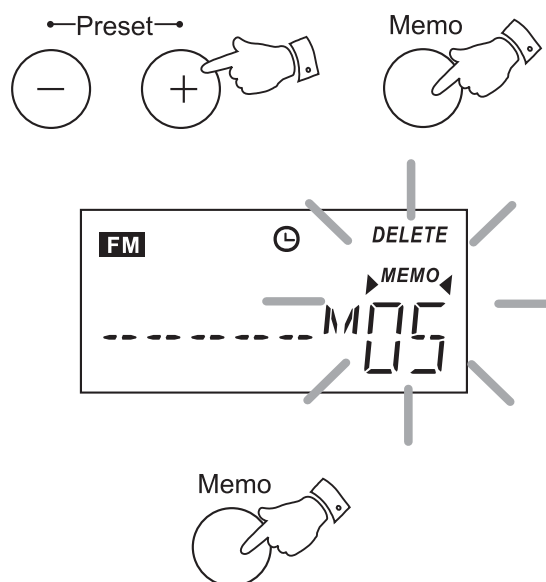
e.g. exchanging preset station 2 with preset station 5.

1. Turn on your radio and select the required waveband.
2. Select preset memory 2 using the **Preset + or - buttons**.
3. Press the **Memo button**, Memo and preset 2 will flash in the display.
4. Select preset 5 using the **Preset + or - buttons**.
5. Press the **Memo button** to complete the operation



Deleting preset stations

1. Switch on your radio and select the preset station to be deleted using the **Preset + or - buttons**.
2. Press and hold down the **Memo button** until 'Memo' and 'Delete' flash in the display.
3. Press the **Memo button** to confirm the deletion.



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

Radio Data System (*RDS*)


The **R**adio **D**ata **S**ystem (***RDS***) is a system in which inaudible digital information is transmitted in addition to the normal FM radio programme. ***RDS*** offers several useful features, the following are available on your radio:-

Programme Service (PS) name

The **P**rogramme **S**ervice name is a text usually consisting of not more than eight alphanumeric characters. It indicates information about the programme being broadcast. A station name or an abbreviation is shown in the display instead of the tuned frequency (Example: *BBC R4*).


Enhanced Other Network (EON)

Additional information about other programmes within the same network is transmitted when your broadcasting station is using an **E**nhanced **O**ther **N**etwork. You will hear traffic flashes of other programmes within the network automatically if the Traffic Announcement function is switched on.

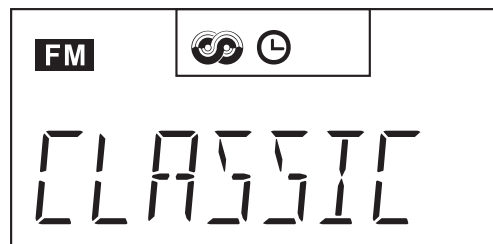
<p>Traffic Information System</p> <p>The Traffic Programme identification (TP) indicates which RDS stations provide Traffic information. The Traffic Announcement identification (TA) indicates Traffic information is being broadcast. When TA is received, the  symbol will flash in the display.</p> <p>Clock Time (CT) automatic adjustment</p> <p>The Clock Time information transmitted from the broadcasting station can be used for setting and synchronising the clock of your radio automatically. The Auto-Time function can be enabled or disabled by the user.</p>	<p>Alternative Frequencies (AF)</p> <p>This feature provides a list of Alternative Frequencies for the station being received. You can switch to those frequencies directly if desired.</p>
---	---

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

Operating your radio using RDS (Radio data system)

1. Switch on your radio and select the FM waveband.
2. Tune into a station, the display will indicate frequency for a few seconds and then change to show the station name. The  **RDS** symbol will appear in the display
3. If the station does not carry RDS information only the station frequency will be shown.

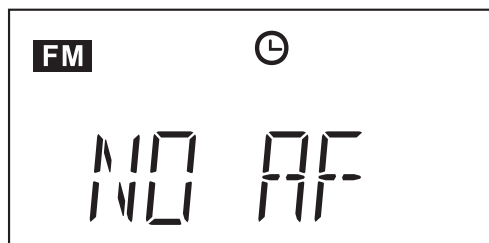
Note: the  **RDS** indicator will flash if the signal is too weak for RDS operation.



Alternate Frequency (AF)





The RDS system provides a list of alternative frequencies for the station you are tuned to.

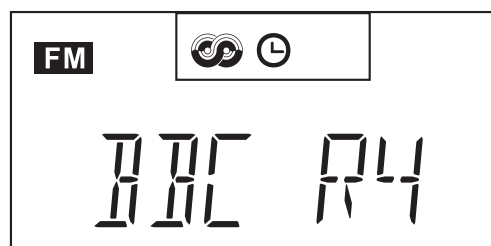
1. Switch on your radio and select the FM waveband. Tune into a station carrying RDS information.
2. Press the **AF button**, your radio will scan the list of alternate frequencies and select the one giving best reception. If AF information has not yet been received or is not provided by the station you are listening to, the radio will remain at the current frequency and the display will indicate 'NO AF'




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

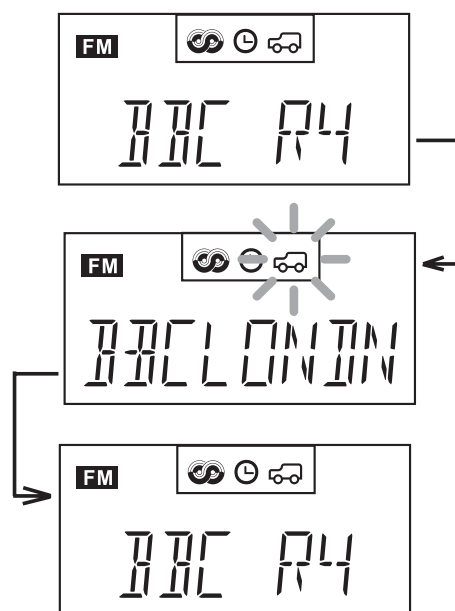
Traffic Announcements (TA)

1. Switch on the radio select the FM waveband and tune to an RDS station. The  **RDS** symbol will appear in the display.
2. Press the **Traffic button** once. If the station provides traffic information the  symbol will appear in the display.
3. If the station does not provide traffic information the  symbol will not appear and the radio will beep indicating that no traffic information is available.
4. During traffic announcements the  symbol will flash in the display.



5. If the radio is tuned to a national station such as BBC Radio 4, it will automatically re-tune to any BBC local station broadcasting traffic announcements. When the traffic announcement is finished the radio will re-tune to the previously selected station. There may be occasions when the station to which you are listening tells the radio to re-tune to a traffic announcement on a local station that is not receivable at your location. Under these circumstances there will be some hiss before the radio re-tunes back to the previously selected station.

6. To turn off traffic information press the **Traffic button**, the  symbol will be removed from the display.

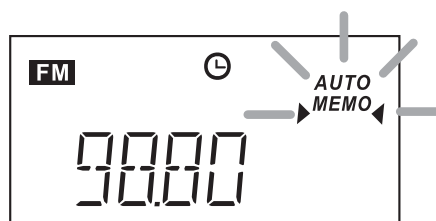
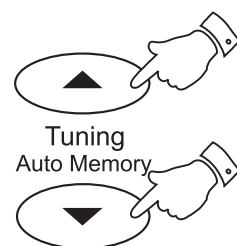


If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)

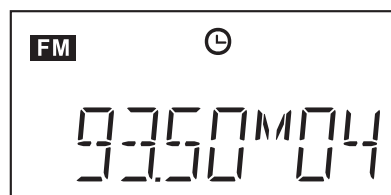
ATS (Automatic Tuning System)

The automatic tuning system will scan the selected waveband and automatically store stations in the memory presets. Up to 16 stations can be stored on the FM band, 9 on the MW (AM) band and 5 on LW. *note: activating the ATS function will overwrite any stations previously stored in the memory presets*

1. Select the required waveband by pressing the **Band button**.
2. Press and hold down both the **Tuning up** and **Tuning down buttons** until the display shows '**AUTO MEMO**'. Your radio will scan the selected waveband and automatically store stations in memory presets until the memories are full.



3. On FM and where signals are of sufficient strength your radio will automatically store BBC Radio 1 in preset memory 1, BBC Radio 2 in preset memory 2, BBC Radio 3 in preset memory 3 and BBC Radio 4 in preset memory 4

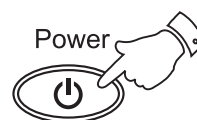
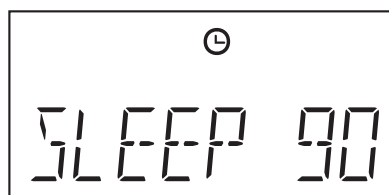
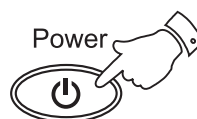


*If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)*

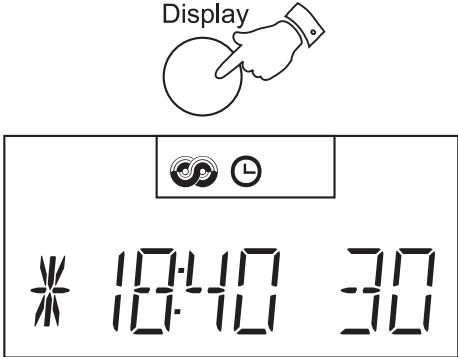
Sleep timer

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

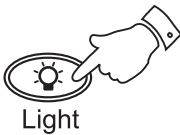
1. Ensure that your radio is switched off.
2. Press and hold down the **Power button** until the desired time is reached (maximum 90 minutes in 30 minute steps). The radio will switch off after the sleep time has elapsed.
3. To cancel the sleep function before the preset time has expired, press the **Power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



Display Modes

<p>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.</p>	<p>Display</p> 
---	--



Display backlight

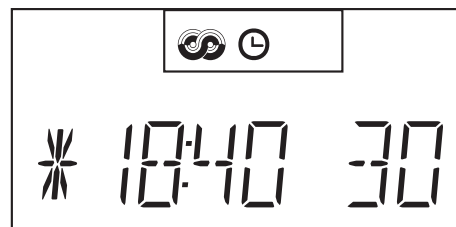
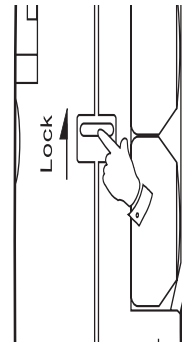
<p>1. Pressing the Light button will switch on the display backlight and illuminate the display for approximately 7 seconds.</p>	 <p>Light</p>
---	--

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

Lock Switch

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

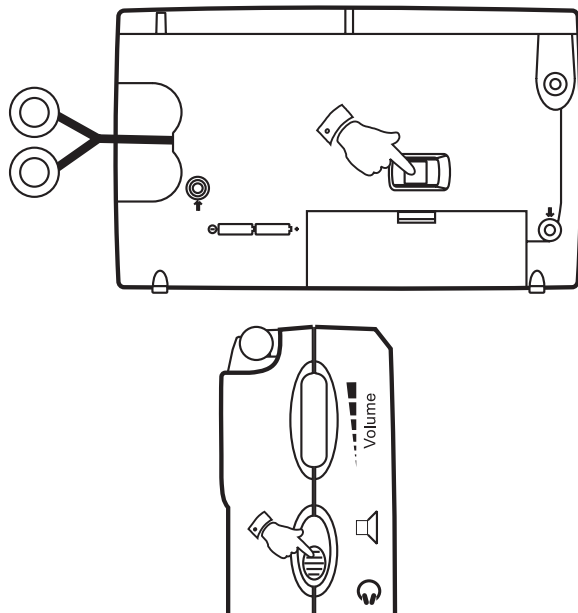
1. Slide the **Lock switch** to the up 'locked' position, the  symbol will appear in the display. The **Power** and all other buttons will be disabled. This will prevent accidental operation when the radio is packed in a suitcase. To release the **Lock switch** move the switch to the down 'unlocked'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



Earphones

The earphone 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.

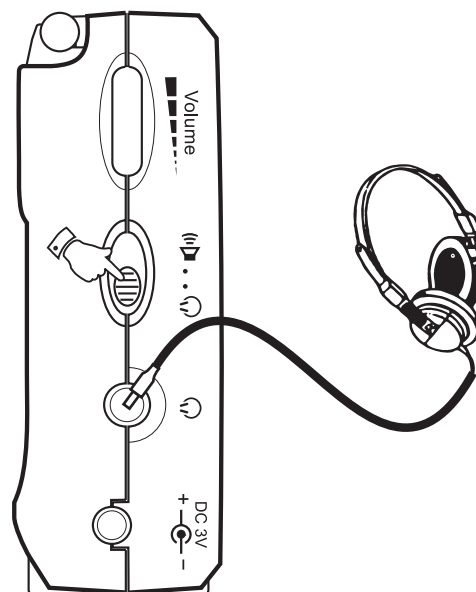


If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)

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.

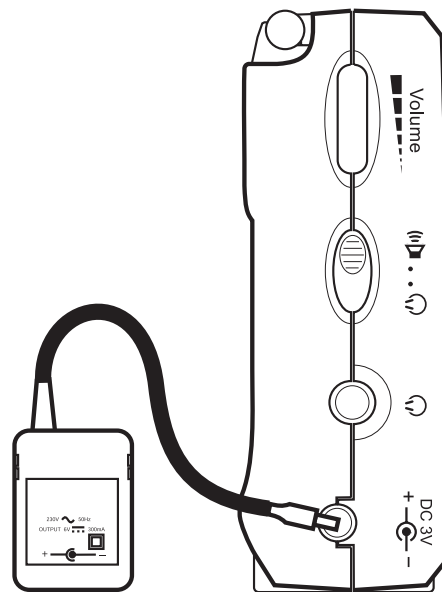


AC Adaptor (not included)

The AC adaptor for use with the R9917 should provide 3volts DC output at 250mA 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.

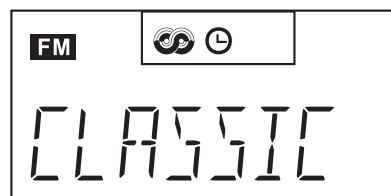
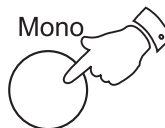
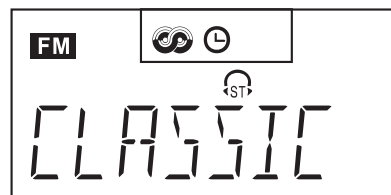


*If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)*

Mono button (FM 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

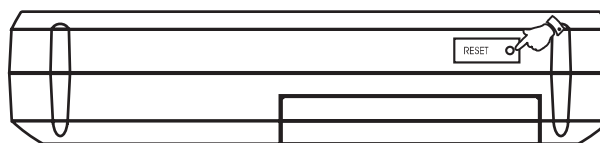


Troubleshooting/Reset button

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 microprocessor, 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.



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

Specifications

Power requirements		Output power:	100mW.
DC	3.0V  @ 300mA centre pin negative	Sockets	
Batteries	2 x IEC size LR6 (AAsize)	Headphone socket	3.5mm dia stereo.
Battery Life	Approx. 20hrs of listening when used for 4 hours a day at normal volume using alkaline batteries.	DC input socket	3.0 volts centre pin negative.
		ROBERTS RADIO LIMITED PO BOX 130 MEXBOROUGH SOUTH YORKSHIRE S64 8YT http://www.robertsradio.co.uk	
<i>The company reserves the right to amend the specification without notice.</i>			

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.

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

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

ROBERTS RADIO TECHNICAL SERVICES DEPARTMENT

97-99 Worton Road
Isleworth Middlesex
TW7 6EG

Issue 2

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

