ROBERTS

Sound for Generations

R876

Multi-band digital preset stereo world radio

ROBERTS

Tuning

ATS Auto Tuning System

Power/ • Sleep

Fine

FM

89.10 MHz

M   1 [2] 3 4 4 5 6 7 8 9

①/② ((•▶—Standby— ⊙ HWS   Timer

FM   LW   MW   SW   Metre

• ATS   • ATS   • ATS   75m
120m   90m   75m

Tuning

1   2   3

60m   49m   41m   Display

4   5   6   Enter

31m   25m   21m   • Time Set

7   8   9   M

19m   0" Set 16m   13m   11m

0   .   C   Freq

P1/P2   M.Scan   R876

∧

∨

FM-Stereo/LW/MW/SW Digital Receiver
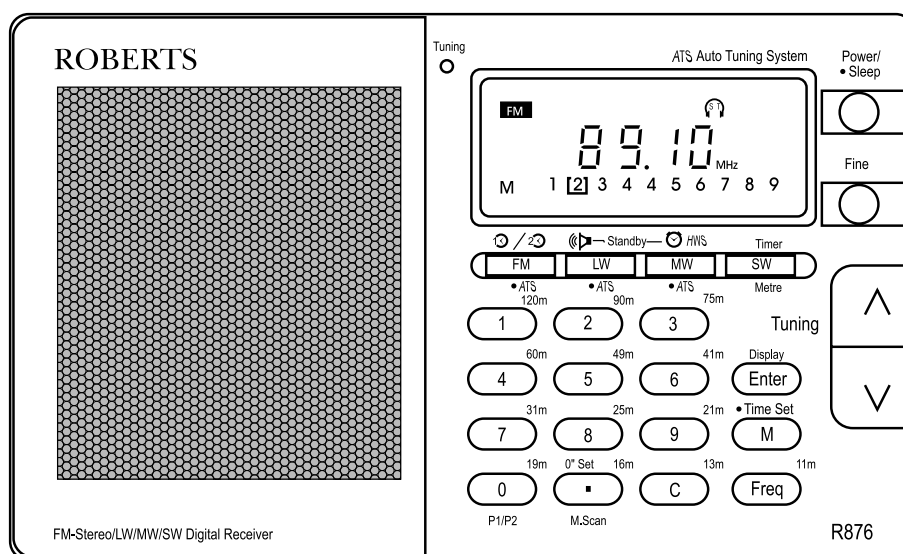
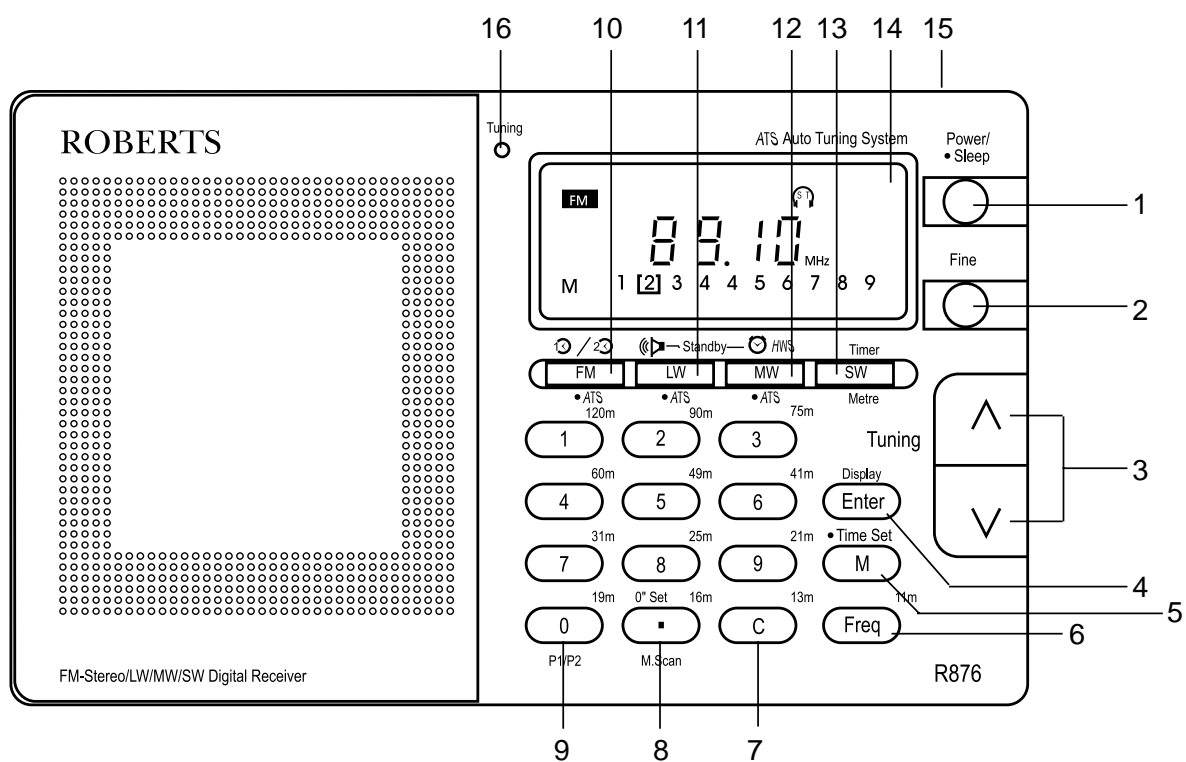Please read this manual before use

Contents

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.

- Dual Alarm Feature allows presetting of two alarm wake-up times.

- ATS (Auto Tuning System) which will automatically scan LW, MW, and SW frequencies selecting presets based on station signal strength.

- Adjustable sleep timer allows you to fall asleep to music.

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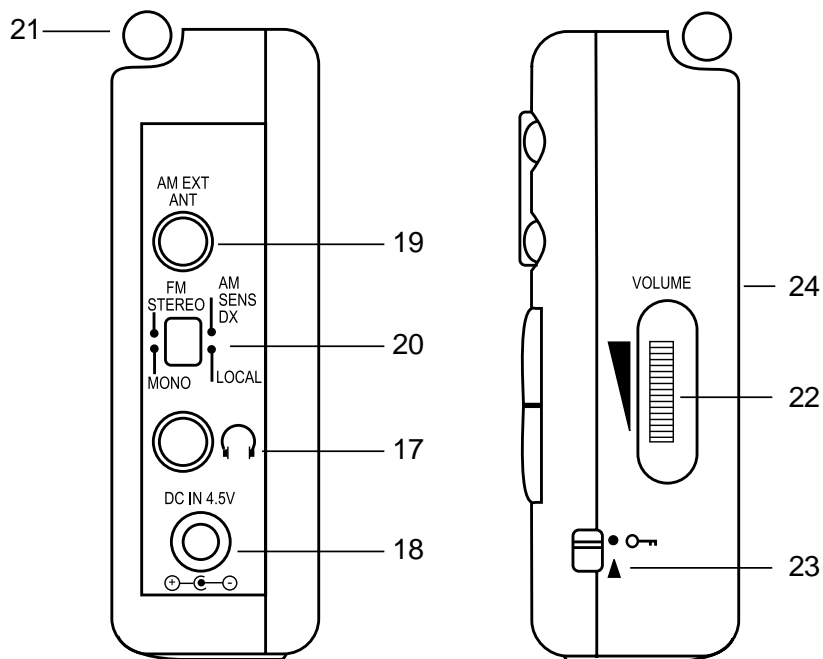*0181 758 0338 (Mon-Fri)*

1

Control locations

1. Power on/off and sleep button.

2. Fine tune button.

3. Manual/auto scan tuning buttons.

4. Enter and display button.

5. Memory and time set button.

6. Frequency select button.

7. Cancel button.

8. Decimal point and zero set button.

9. 0 digit, P1/P2 memory and SW metre button.

10. FM band, FM ATS and real/dual time button.

11. LW band, LW ATS and radio standby button.

12. MW band, MW ATS and HWS standby button.

13. SW band, SW metre band and count down timer button.

14. Liquid crystal display.

15. Light button (on top).

16. Tuning indicator.

2

16   10   11   12 13 14 15

Tuning

ROBERTS

FM

M   1 [2] 3   4 4 5 6   7 8 9

Tuning

ATS Auto Tuning System

Power/
• Sleep

Fine

$\circlearrowright$ / $\circlearrowright$ $(\!(\blacktriangleright\!\!\!-\!\!\!Standby\!\!-\!\circlearrowright /HWS$ Timer

FM   LW   MW   SW

• ATS   • ATS   • ATS   Metre
120m   90m   75m

1   2   3   Tuning

60m   49m   41m   Display

4   5   6   Enter

31m   25m   21m   • Time Set

7   8   9   M

19m   0" Set   16m   13m   11m

0   .   C   Freq

P1/P2   M.Scan

R876

FM-Stereo/LW/MW/SW Digital Receiver

1

2

3

4

5

6

9   8   7

17. Earphone socket.

18. DC input socket.

19. AM external aerial socket.

20. FM Mono/stereo and AM DX/Local switch.

21. Telescopic aerial.

22. Volume control.

23. Lock switch.

24. Folding stand.

4

25. Reset button.

26. 9/10kHz MW step switch.

27. Battery compartment.

28. Battery cover.
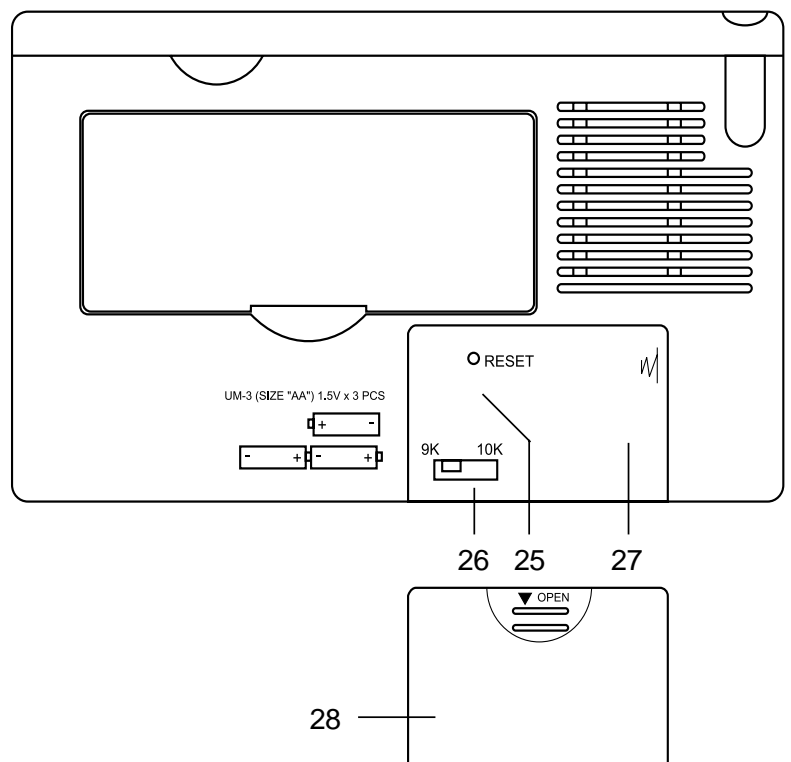
UM-3 (SIZE "AA") 1.5V x 3 PCS

RESET

9K 10K

26 25 27

OPEN

28

5

Display information

1. Waveband indicators.
2. Time set status.
3. Zero second set indication.
4. Memory indicator.
5. Memory page indicator.
6. Lock switch indicator.
7. FM stereo indicator.
8. Sleep function indicator.
9. SW metre band indicator.
10. Auto Tuning System indicator.
11. Low battery indicator.
12. Frequency units indicator.
13. Frequency and time display
14. Dual time indicator.
15. Radio standby indicator.
16. HWS standby indicator.

17. Count down timer indicator.
18. Memory preset, battery strength and ATS scanning indicator.
19. Fine tune indicator.

6
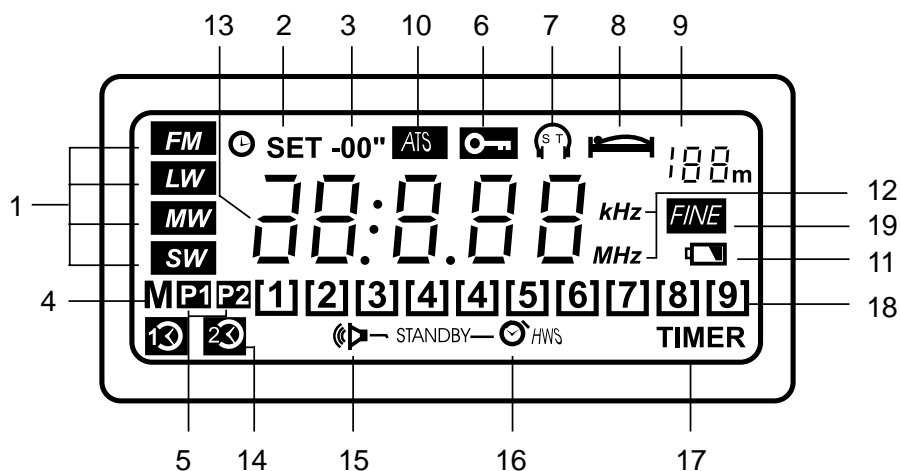
This radio can be operated using:-

3 Alkaline LR6 (AA size) batteries.

AC adaptor (supplied).

Installing batteries

1. Position the radio face down. 2. Press the catch marked "OPEN" and slide in the direction shown.	OPEN
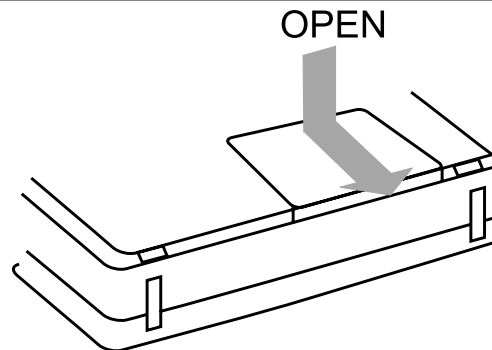
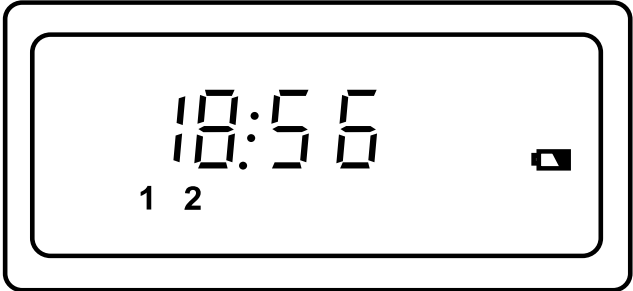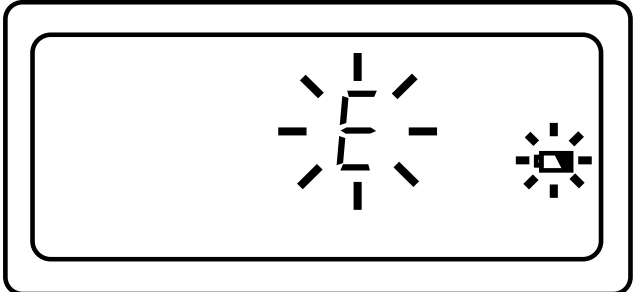|	
3. Insert the 3 LR6 (AA) size batteries as shown in the diagram.	
4. Replace the battery cover as shown in the diagram.	PRESS
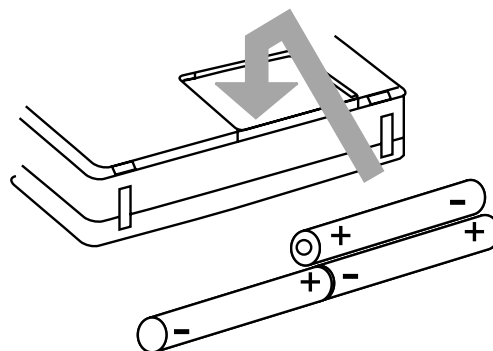
8
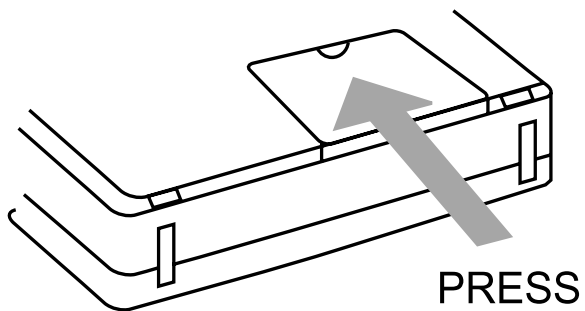
Battery replacement

The battery indicator will display the battery condition for approx. 7 seconds after the radio is switched off. If the indicator falls below "2" the batteries should be replaced. After removing the batteries you have approximately 3 minutes to replace the batteries after which clock and memory information will be lost.
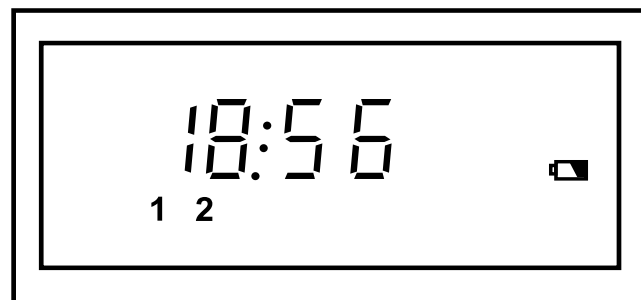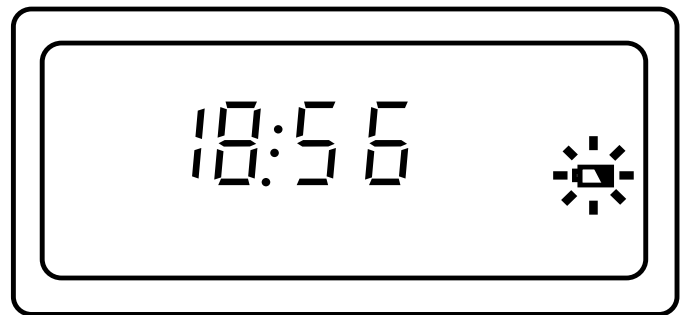
If you need any further advice, please call our Technical Helpline on :-
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Low battery warnings

1. Replace batteries if the battery indicator falls below **"2"**	`18:56` 1 2
2. Replace batteries if **"E"** and the low battery indicator flash in the display.	`E`

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3. Whenever the low battery symbol appears on the display the batteries should be replaced.

10:56 ☀

If you need any further advice, please call our Technical Helpline on :-
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Using the AC adaptor

The AC adaptor supplied with this radio is an auto-switching type and will operate from either a 110volt or 230volt AC supply.

Insert the adaptor plug into the socket marked DC IN 4.5V 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 mains adaptor should be disconnected from the mains supply when not in use.

We would recommend for economy that the R876 be used via the AC adaptor wherever possible with battery operation for occasional or stand-by use only.
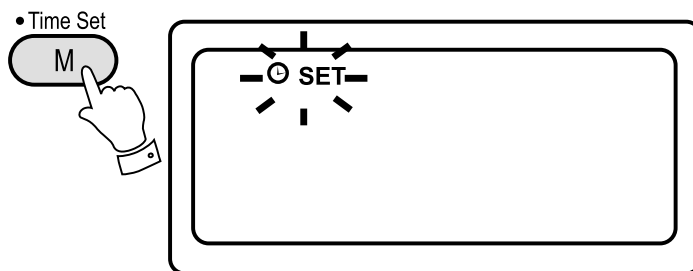

12
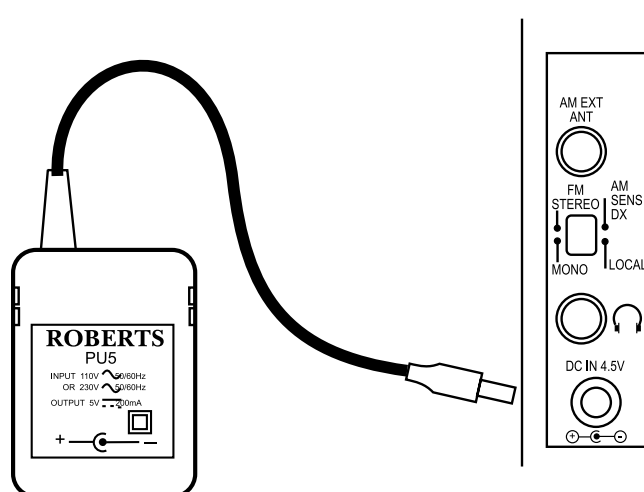
Setting the clock

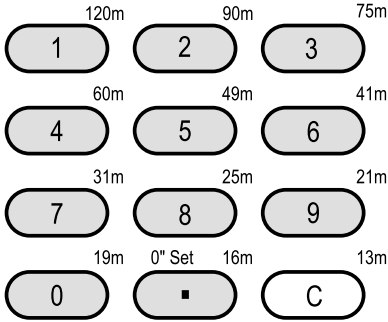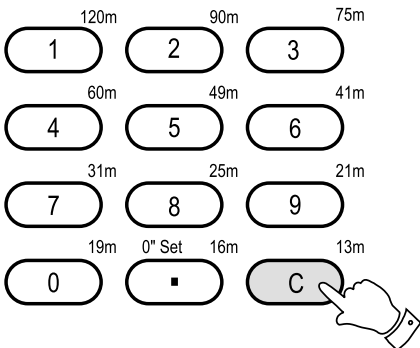|	
The clock will start running when the 3 LR6 (AA) size batteries are installed. The display will show **"0:00"**.	0.00
The clock can be set with the radio power on or off. 1. If the radio is switched on press the **"Display"** button to display the time. 2. Press the **"Time Set"** button for more than 2 seconds, the **" ⊕ SET"** symbol will flash in the display	• Time Set M ⊕ SET

13

3. Whilst the " 🕐 SET " symbol is flashing, set the correct time by pressing the numbered buttons. As you press each button the corresponding number will show on the display.	120m 90m 75m (1) (2) (3) 60m 49m 41m (4) (5) (6) 31m 25m 21m (7) (8) (9) 19m 0" Set 16m 13m (0) (▪) (C)
4. If you press the wrong number, press the **"C"** (cancel) button which will delete one number at a time. Note: Time can only be adjusted whilst the " 🕐 SET " symbol is flashing in the display.	120m 90m 75m (1) (2) (3) 60m 49m 41m (4) (5) (6) 31m 25m 21m (7) (8) (9) 19m 0" Set 16m 13m (0) (▪) (C)

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5. Press the **"Enter"** button to complete setting the clock, the display will now show the correct time.

Note: Time should be entered in 24Hr format e.g. 3:00pm would be entered as 15:00.

Display

Enter

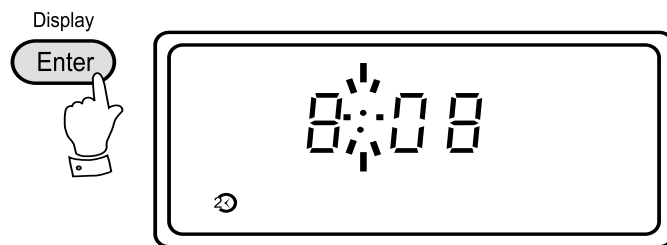● Time Set

M

Freq
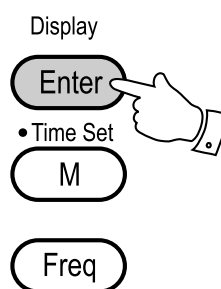
Setting dual time

In addition to real time a second time zone can be programmed into this radio.

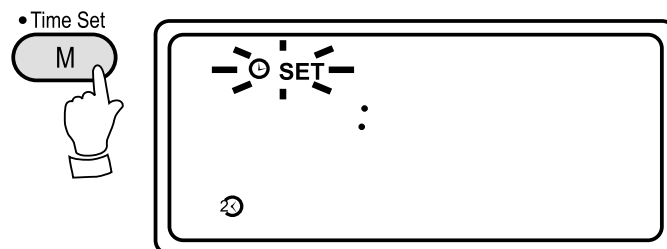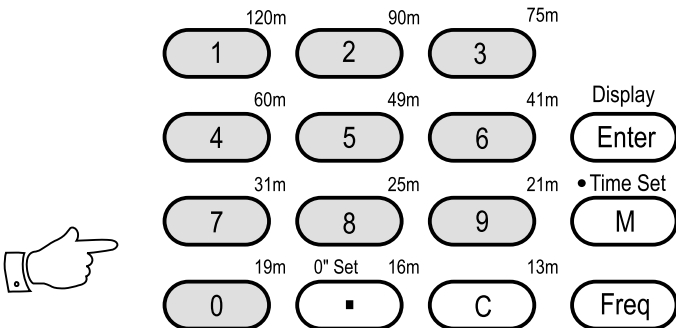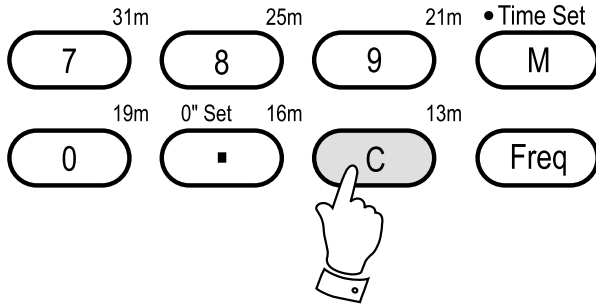1. Press the " ⏰ / 2⏰ " button the display will show and flash " 2⏰ ".
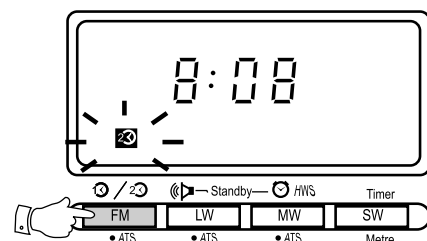
0:00

⏰ / 2⏰   ((◼── Standby── ⏰ HWS   Timer
FM   LW   MW   SW
● ATS   ● ATS   ● ATS   Metre

|	
2. Press **"Enter "** button within 3 seconds, the display 🕗 will stop flashing.	Display Enter *8:08*
3. Press and hold down the **"Time Set"** button for more than 2 seconds, the display **"Set"** will flash.	• Time Set M SET

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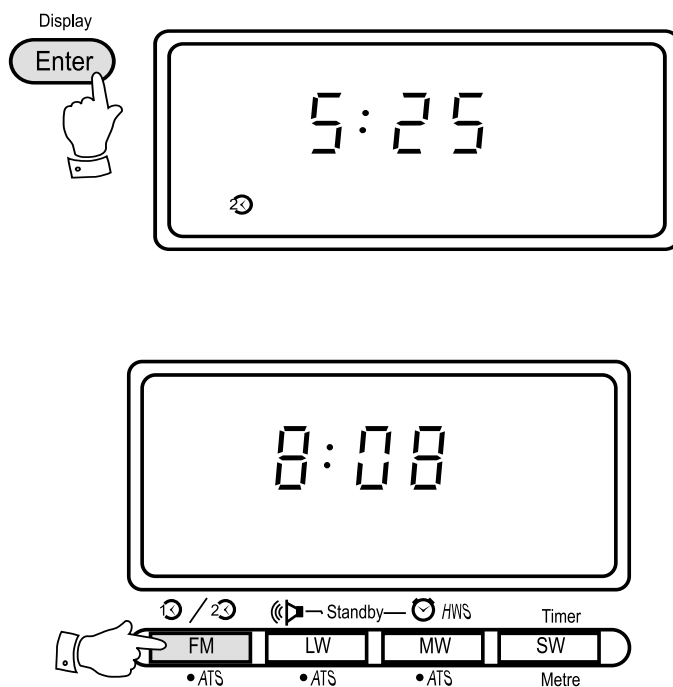|	

4. While " ⏲ SET " symbol is flashing, set the correct time by pressing the numbered buttons. As you press each button the corresponding number will show on the display.	120m 90m 75m
	
	`1` `2` `3`
	60m 49m 41m Display
	`4` `5` `6` `Enter`
	31m 25m 21m •Time Set
	`7` `8` `9` `M`
	19m 0" Set 16m 13m
	`0` `▪` `C` `Freq`

5. If you press the wrong number, press the **"C"** (cancel) button which will delete one number at a time.	31m 25m 21m •Time Set
	
	`7` `8` `9` `M`
	19m 0" Set 16m 13m
	`0` `▪` `C` `Freq`

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6. Press the **"Enter"** button to complete setting the dual time, the display will now show the correct dual time.

7. Press the " ⏰ / 2⏰ " button followed by the **"Enter"** button to return the display to real time.

Note:

a. To temporarily change between real and dual time mode press the " ⏰ / 2⏰ " button, the 2⏰ symbol and dual time will be shown in the display. After approximately 3 seconds the display will return to showing real time.

b. To permanently change the display to dual time mode press the " ⏰ / 2⏰ " button followed by the **"Enter"** button. The 2⏰ symbol in the display indicating dual time mode.

c. To permanently change the display back to real time mode press the " ⏰ / 2⏰ " button followed by the **"Enter"** button. The 2⏰ symbol will be removed from the display.

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Display

Enter

5:25

2⏰

8:08

⏰ / 2⏰   ((•►— Standby— ⏰ HWS   Timer
FM   LW   MW   SW
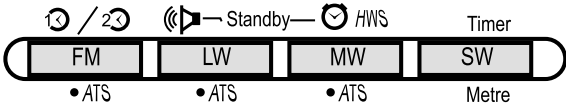• ATS   • ATS   • ATS   Metre

Zero seconds set

Press the **"Time Set"** button for more than 2 seconds, the **" ⊙ SET"** symbol will flash in the display. Press the **"0 set"** button, the display will show and flash **"Set-00"**. Press the **"Enter"** button to reset seconds to 0.
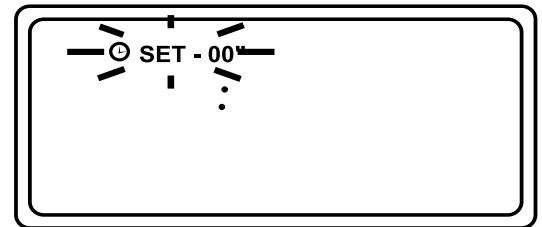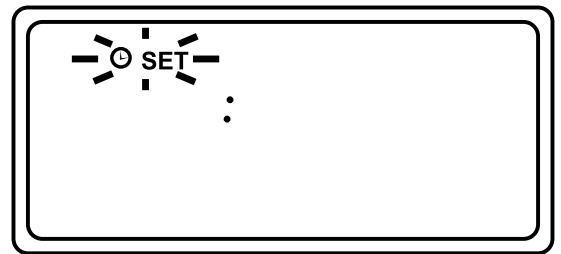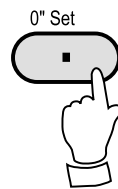
0" Set

⊙ SET

Display

Enter

⊙ SET - 00

Waveband selection

There are four waveband selection buttons located below the Liquid crystal display.

1🕐 / 2🕐　((▷— Standby— 🕐 HWS　　Timer

FM	LW	MW	SW
● ATS	● ATS	● ATS	Metre

Waveband	Frequency coverage	
FM	87.5-108	MHz
LW	153-513	kHz
MW	520-1710	kHz
SW	1.711-29.999	MHz

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1. Turn on the radio by pressing the **"Power/Sleep"** button. The display will show the last waveband and frequency selected.	ATS Auto Tuning System Power/• Sleep FM 96.30 MHz Fine
2. Press one of the four waveband select buttons, the last frequency used on the selected waveband will be recalled and appear on the display.	SW 1.715 MHz 1 / 2 Standby— HWS Timer FM LW MW SW
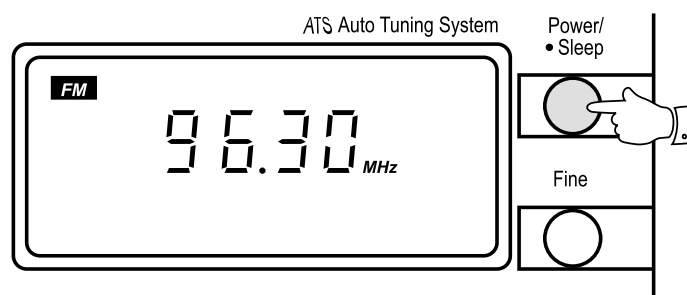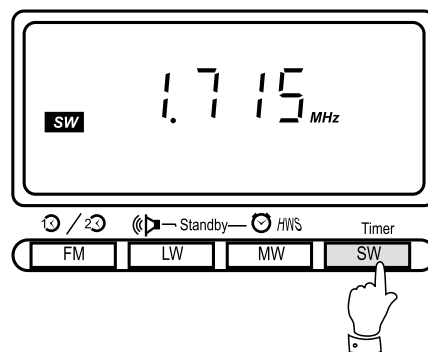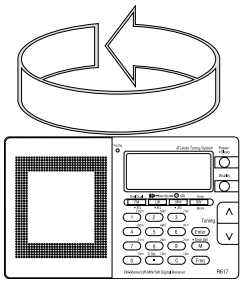
If you need any further advice, please call our Technical Helpline on :-
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Note:
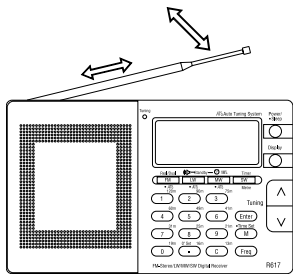
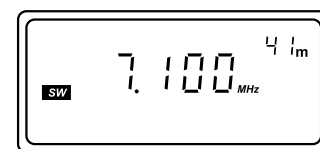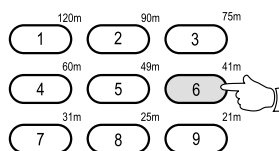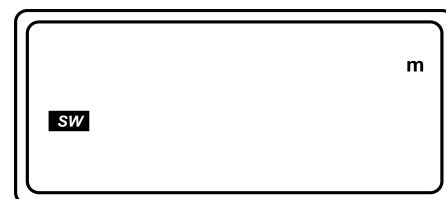If the SW band is selected pressing the **"SW/Metre"** button a second time will display a flashing **"m"** indicating that a SW metre band may now be selected. For example pressing the **"6/41m"** button will allow direct access to the 41 metre band.

Timer
SW

m

SW

120m	90m	75m
1	2	3

60m	49m	41m
4	5	6

31m	25m	21m
7	8	9

SW 7.100 MHz 41m

22
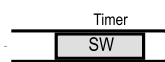
Tuning

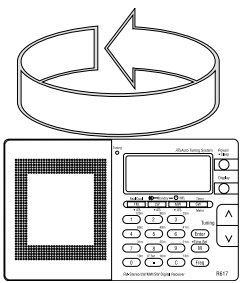| Band	Frequency Range	Aerial Type	Illustration
MW	520-1710kHz	INTERNAL Rotate for best reception	
LW	153-513kHz	INTERNAL Rotate for best reception	

If you need any further advice, please call our Technical Helpline on :-
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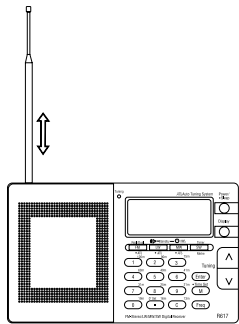| Band	Frequency Range	Aerial Type	Illustration
FM	87.5 - 108MHz	TELESCOPIC Fully extend the aerial, angle and rotate for best reception.	
SW	1.711-29.999MHz	TELESCOPIC Fully extend the aerial, for best reception	

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Stations may be selected by using any one of the five different available tuning methods:
Direct Tuning • Manual Tuning • Scan Tuning • Memory Recall Tuning • ATS Tuning on LW, MW and FM bands.

Direct tuning

Example: To tune to 100.70 MHz on the FM band. 1. Press the **"Power/Sleep"** button to turn on the radio.	
2. Press the button marked **"Freq"** (Frequency)	
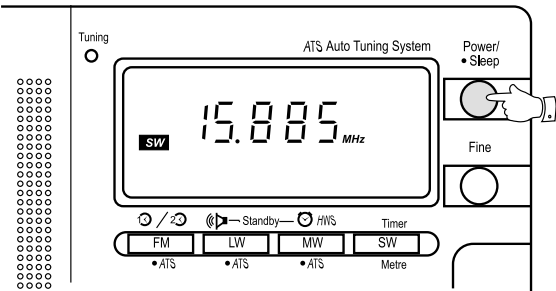
3. Press the buttons marked **[1] [0] [0] [.] [7] [0]**. Note: If a mistake is made during entry press the **"C"** button to clear the last digit entered.	
4. Press the button marked **"Enter"**, the frequency and waveband will now appear in the display. Note: Make sure that you enter the decimal point **[.]** in 100.70 MHz otherwise the display will show **"SW"** [10.070 MHz].	
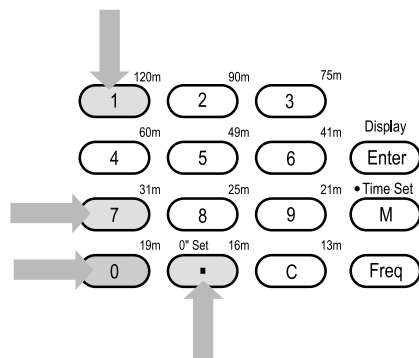
26
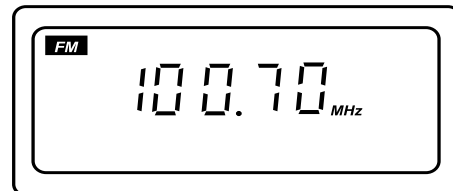
5. Extend the aerial fully and rotate for best FM reception.	
6. Adjust the Volume control for comfortable listening.	
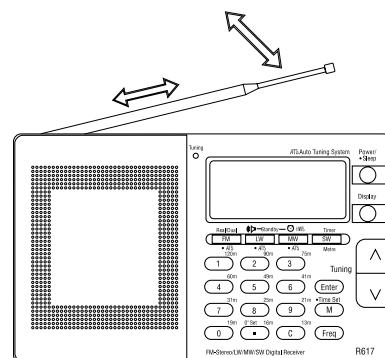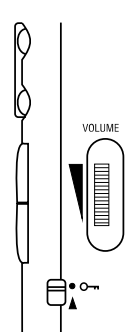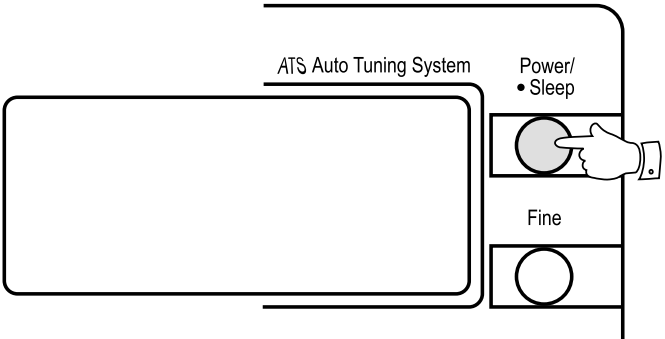
7. When selecting a stereo FM station, and using stereo earphones, make sure that the FM mode switch is in the STEREO position.

FM
STEREO

AM
SENS
DX

MONO

LOCAL

DC IN 4.5V

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Manual tuning

1. Press the **"Power/Sleep"** button to turn on the radio.	ATS Auto Tuning System Power/• Sleep Fine
2. Select a waveband.	FM LW MW SW

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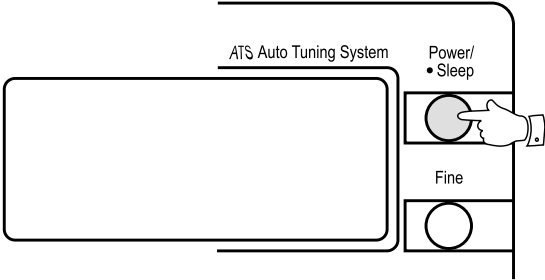
3. A single press on the either the [∧] or [∨] down buttons will change the frequency up or down.

4. To select fine tuning steps , press the **"Fine"** button to select fine tune mode, the FINE symbol will appear in the display. Frequency steps will be as shown below.

5. To return to normal tuning steps press the **"Fine"** button to remove the FINE symbol from the display.

Note: Each press of the [∧] or [∨] buttons will change the frequency in increments of:

FM: 50kHz (Fine) or 100kHz (Normal)

LW: 1kHz (Fine) or 9kHz (Normal)

MW: 1kHz (Fine) or 9kHz/10kHz (Normal)

SW: 1kHz (Fine) or 5kHz (Normal)

FM

100.70 MHz   FINE

Standby— ⊘ HWS   Timer

MW   SW

• ATS   Metre
          75m
3   Tuning
          41m   Display
6   Enter
          21m   • Time Set
9   M

∧

∨

30

Scan tuning

1. Turn on the radio by pressing the **"Power/Sleep"** button.	ATS Auto Tuning System Power/ • Sleep Fine
2. Select a waveband.	FM LW MW SW

4. Press and hold down either the tuning [∧] or [∨] buttons for more than half a second to commence scan tuning. The radio will scan all frequencies in the selected band and stop automatically each time it finds an active station.

Standby— HWS   Timer

MW   SW
• ATS   Metre
75m

Tuning
3

41m   Display
6   Enter

21m   • Time Set
9   M

∧

∨
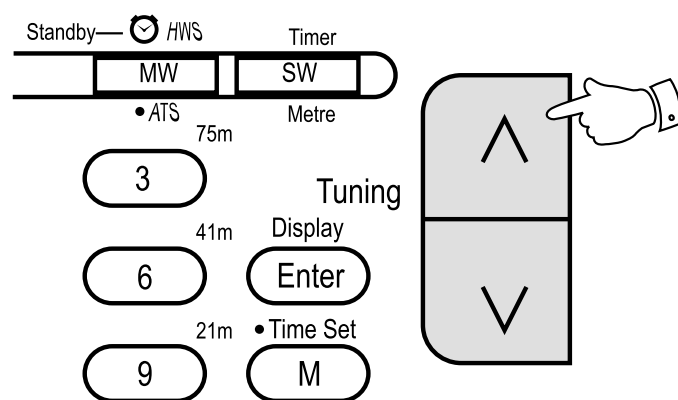
5. Press and hold down either the tuning [∧] or [∨] buttons for more than half a second to resume scan tuning. When the waveband end is reached the radio will beep and continue tuning from the opposite wave-band end.	Standby — 🕐 *HWS* Timer
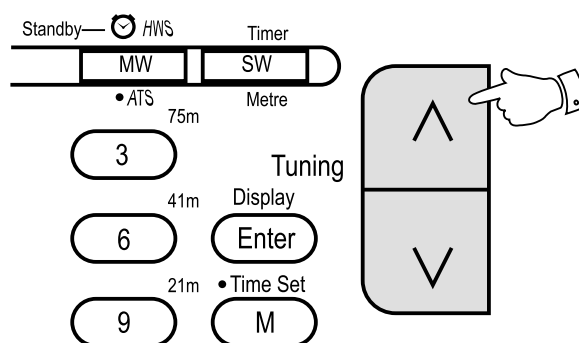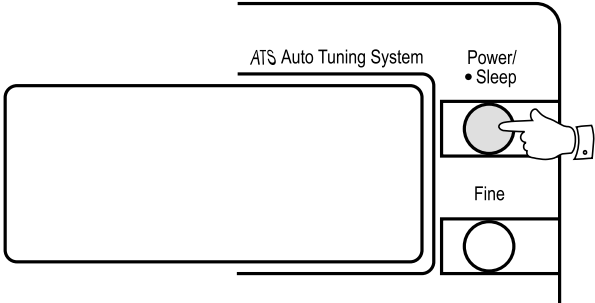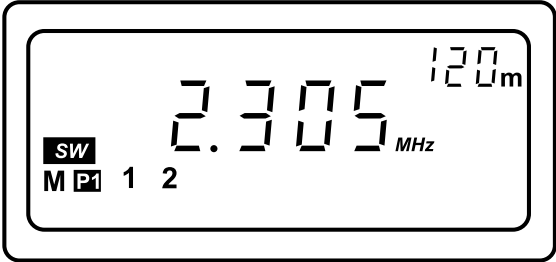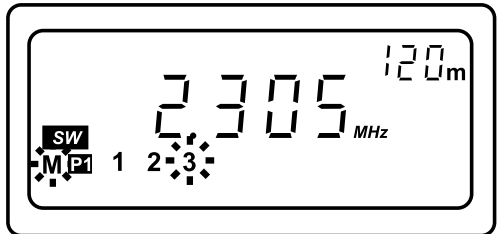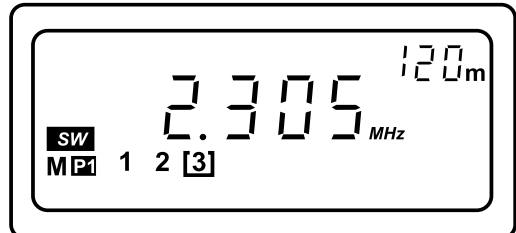	
	MW SW
	• ATS Metre
	        75m
	3 Tuning
	    41m Display
	6 Enter
	    21m • Time Set
	9 M
	
	∧
	
	∨

6. Adjust the Volume control for comfortable listening.	VOLUME
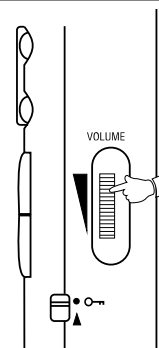
If you need any further advice, please call our Technical Helpline on :-
0181 758 0338 (Mon-Fri)

Memory tuning

You may store up to 54 preset stations in memory, 18 on SW, 18 on FM, 9 on LW and 9 on MW. To store a station in preset memory proceed as follows.

1. Turn on the radio by pressing the **"Power/Sleep"** button.

ATS Auto Tuning System   Power/
• Sleep

Fine

2. Tune to the desired frequency using one of the previously described tuning methods.

120 m

2.305 MHz

SW

M P1 1 2

34

3. Press the button marked **"M"** (memory), the memory symbol **"M"** together with a suggested preset number will flash in the display for 12 seconds.

Note: If some of the presets have already been used the radio will suggest the next available preset location.

• Time Set

M

2.305 MHz 120m

SW
M P1 1 2 3

4. Press the **"Enter"** button and your station will be stored in the suggested memory preset.

Enter

2.305 MHz 120m

SW
M P1 1 2 [3]

5. Preset stations may be exchanged easily and at any time. Select the preset that is to be changed by pressing the corresponding numbered button, press the **"M"** button, **"M"** and current preset location will flash in the display, whilst the display is flashing select the new preset location using one of the numbered buttons.
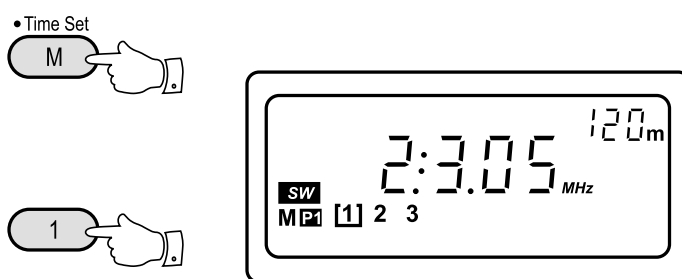
6. The FM and SW bands have 18 presets. Presets 1-9 are set in the normal manner. When presets 1-9 are full selecting another station to be preset will cause the display to show **"P2"**. An additional 9 presets can now be stored.

36
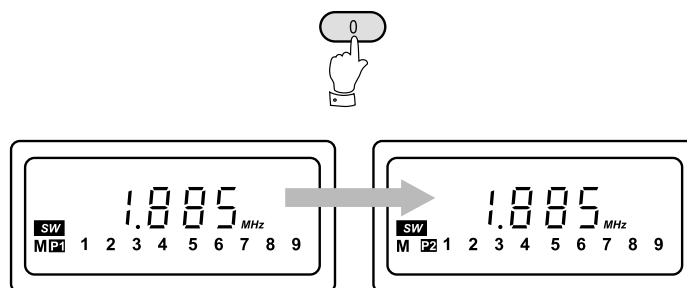
Note:

1. If all the preset memory locations are full pushing the **"M"** button will cause the display to show **"*FULL*"**. If you still want to store a new station press any button 1-9 for more than 2 seconds, the new station will be stored in the selected memory location, the original station in this location will be cancelled.
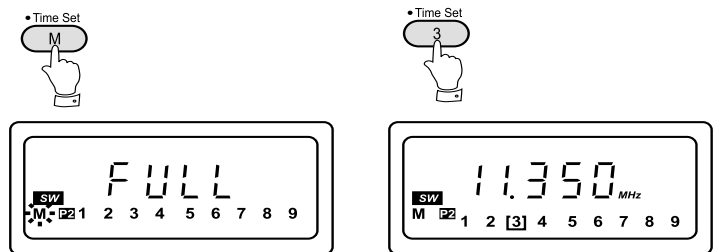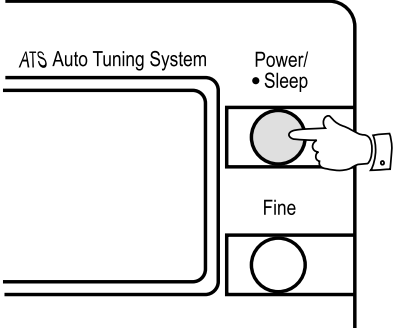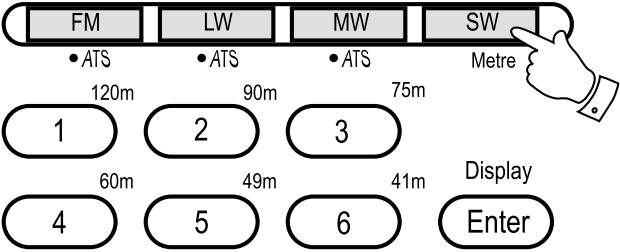
2. Selecting a station or frequency that is already stored in preset memory will cause the display to show **"[ ]"** together with the stations preset memory location.
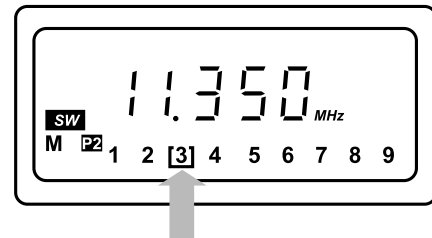
The symbol **"[ ]"** indicates that the frequency has already been stored.

Recalling a station from preset memory

1. Turn on the radio by pressing the **"Power/Sleep"** button.	
2. Select the waveband for the station required.	

38

3. 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 pre-set station press any one of the numbered buttons for instant access. On SW and FM access to a further group of 9 presets can be obtained by pushing the **"P1/P2"** button until the **"P2"** symbol appears in the display. Press the button corresponding to the preset memory location for the required station.

only for FM and SW
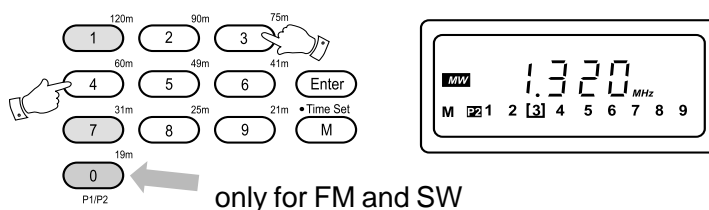
Cancelling a preset station

1. Recall the preset station, push the **"M"** button. The preset location and **"M"** will flash in the display, push **"C"** to cancel the preset station.

Changing preset station order
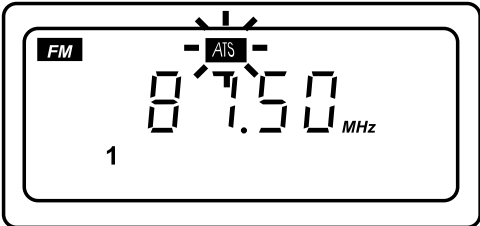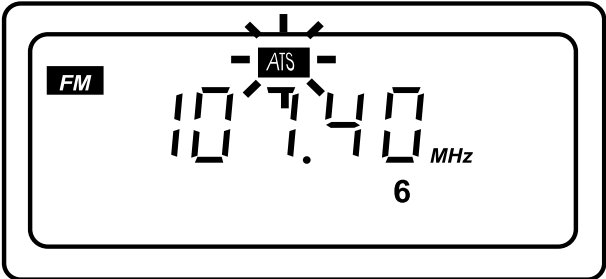
e.g. exchanging preset station 2 with preset station 7. 1. Recall preset 2.	
2. Push the button **"M"**, preset 2 and **"M"** will flash in the display.	

40

3. Push button **"7"**. Presets 2 and 7 will now be exchanged.

7

FM

103.30 kHz MHz

M**P1** 1 2 3 4 5 6 [7] 8 9

41

ATS (Auto Tuning System)

This radio provides an easy to use feature called **ATS** (Auto Tuning System) which operates on FM, LW and MW bands.

1. Turn on the radio by pressing the **"Power/Sleep"** button.

2. Push any one of the FM/LW/MW band buttons for more than 2 seconds. The radio will beep and the display will flash **"ATS"** indicating the radio is in ATS mode.

3. The radio will then scan from the lowest frequency on the selected waveband, automatically storing stations in preset memory 1-9 based on signal strength order. On FM a further 9 stations will be stored in memory page 2. Memory page 2 is selected by pressing the **"P1/P2"** button until the display shows **"P2"**

42

4. After scanning is complete, a beep will be heard. The display will show **"M [1]"** and the station with the strongest signal for your area will be selected.	FM 9 4.3 0 MHz M [1] 2 3 4 5 6 7 8 9
5. If during ATS operation no stations are found the display will show **"- - - - -"** for 2 seconds before returning to the last frequency used prior to commencement of ATS operation.	FM — — — — — MHz 9
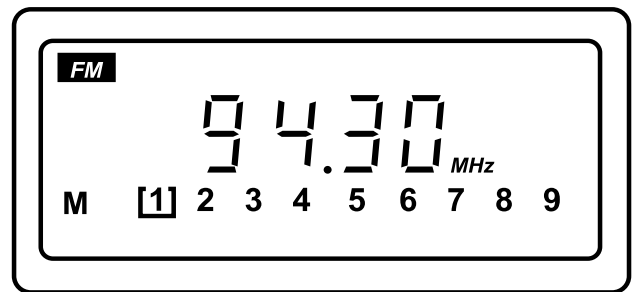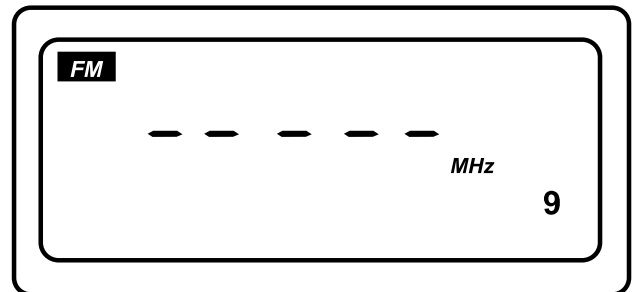
If you need any further advice, please call our Technical Helpline on :-
0181 758 0338 (Mon-Fri)

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Note:

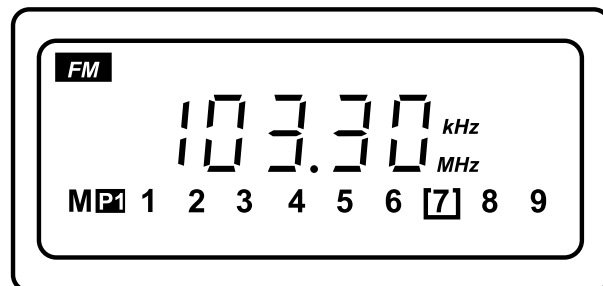1. The maximum number of presets on MW and LW is 9, if during ATS operation more than 9 stations are found only the 9 strongest stations will be stored in the preset memories. On FM the maximum number of presets is 18, if during ATS operation more than 18 stations are found only the 18 strongest stations will be stored in the preset memories.

2. If the number of stations found during ATS operation is less than 9 the display will show the actual number of stations found. For example, if only 5 stations are found, the display will show **"[1] 2 3 4 5**, when scanning is complete.

3. The SW band has no ATS function.

4. All previously stored preset stations will be erased when ATS operation commences.

5. ATS operation can be cancelled by pressing the **"Power/ Sleep"** button.

44
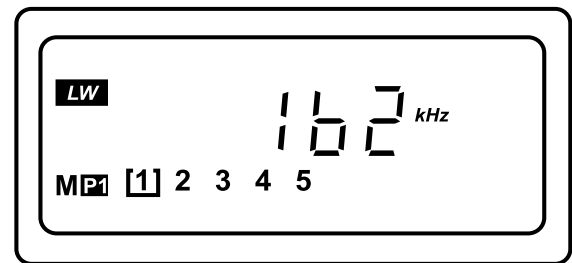
Memory Scan

This radio provides a feature called Memory Scan which when activated will scan the preset memories.

1. Turn on the radio by pressing the **"Power/Sleep"** button. Select the required waveband.

2. Push the **"Memory Scan"** button for more than 1 second, the radio will scan each preset memory in turn - pause for 5 seconds on each memory before continuing on to the next memory. When the required preset/station is reached press the **"Memory Scan"** button to stop memory scan.

ATS Auto Tuning System   Power/ • Sleep

Fine

120m	90m	75m	
1	2	3	
60m	49m	41m	Display
4	5	6	Enter
31m	25m	21m	• Time Set
7	8	9	M
19m	0" Set 16m	13m	
0	.	C	Freq
P1/P2	M.Scan		
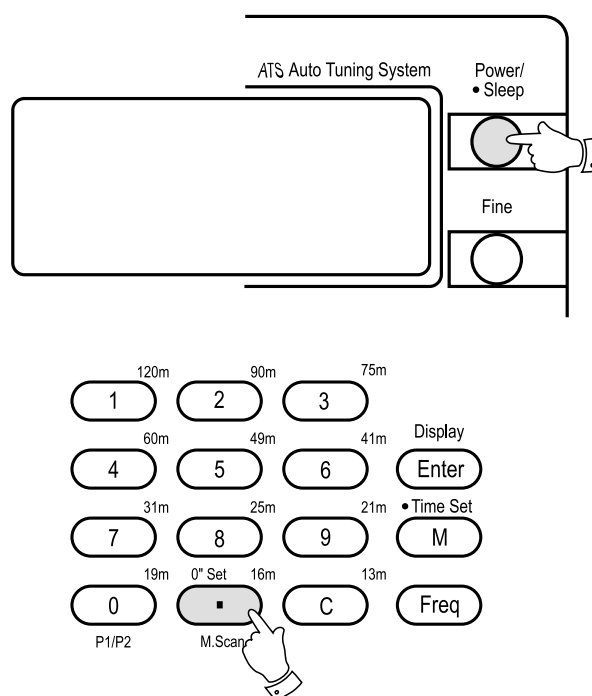
If you need any further advice, please call our Technical Helpline on :-
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Setting the alarm

The alarm can be set with the radio power on or off.

1. If the radio is switched on press the **"Display"** button
   to display the time.

ATS Auto Tuning System

Power/
• Sleep

Fine

Standby— HWS

Timer

FM
• ATS

LW
• ATS

MW
• ATS

SW
Metre

Display

Enter

46
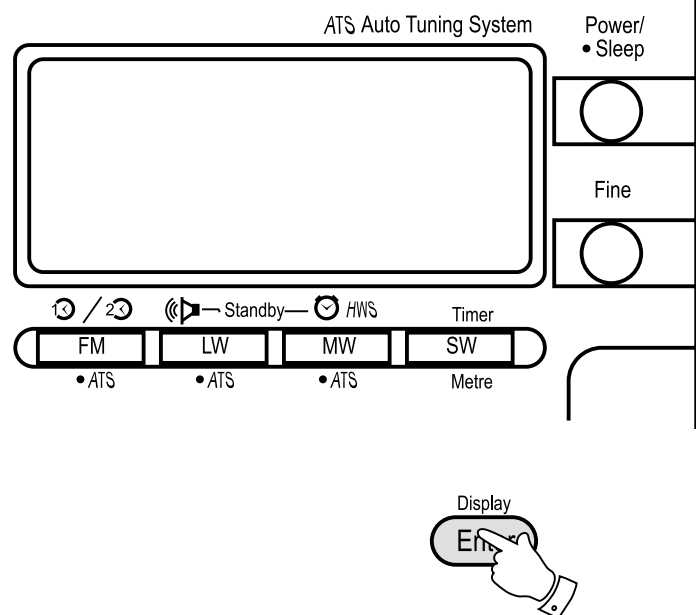
Setting the radio alarm (Standby)

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).
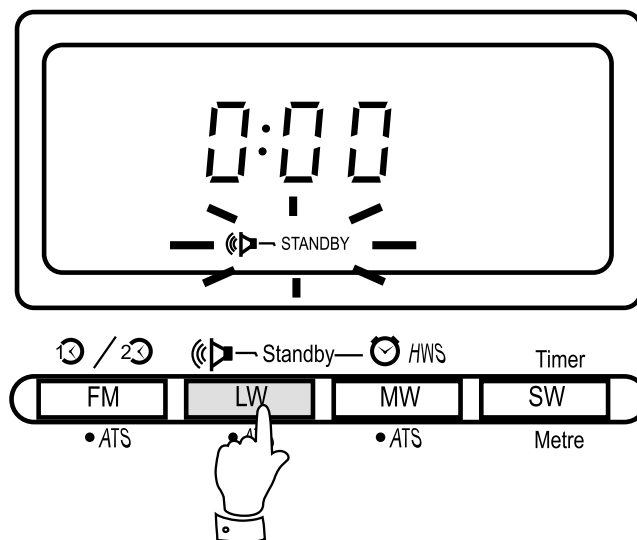
2. Press the numbered buttons to set the alarm on time. e.g. to set an alarm time of 13:30, press the buttons **"[1] [3] [3] [0]"**. If a wrong number was keyed in, pressing the **"C"** button will delete one digit for each press. Press the **"Enter"** button, the display will show **"13:30"** and **"Standby"** will stop flashing indicating that the alarm has been set to 13:30.	 13:30 STANDBY 120m 90m 75m 1 2 3 60m 49m 41m Display 4 5 6 Enter 31m 25m 21m Time Set 7 8 9 M 19m 0" Set 16m 13m 0 . C Freq
If the time keyed in is not valid i.e. 25:30, the display will show **"E"** for about 2 seconds and then revert to showing real time.	 E STANDBY
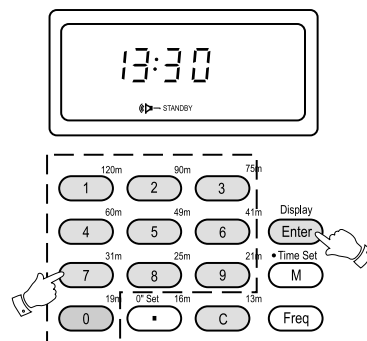
48
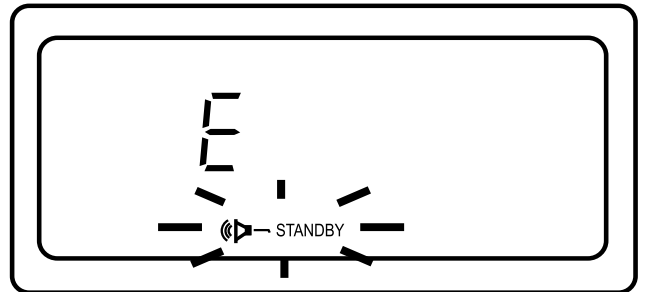
3. When the alarm time is set, the display will return to showing real time and the colon will start to flash.	*9:20* STANDBY
4. To verify the alarm time press the "((▷—Standby " button to display the alarm time followed by the **"Enter"** button to return to real time mode.	*13:30* STANDBY 1⊙ / 2⊙ ((▷—Standby—⊙ HWS Timer FM LW MW SW • ATS • ATS Metre
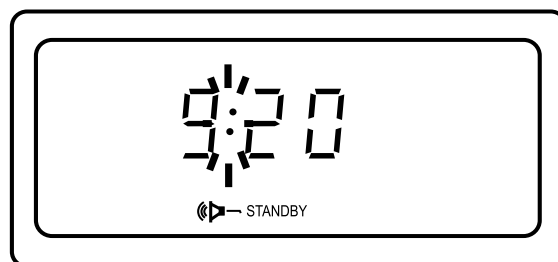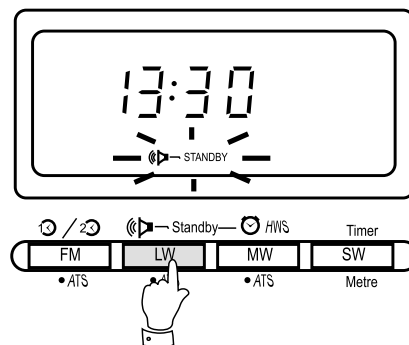
49

5. To cancel the alarm time, press the "((▷—Standby" button, the display will flash "((▷—Standby", press the **"C"** button to cancel the alarm time.

Note:

1. When the alarm is sounding, press the **"Power/Sleep"** button to turn off the alarm for 24 hrs.

2. The radio alarm will last for one hour if not turned off by pushing the **"Power/Sleep"** button.

3. Tune the radio to the required station before setting the alarm. When the alarm operates the radio will play the last station selected.

13m

C

9:20

((▷— STANDBY
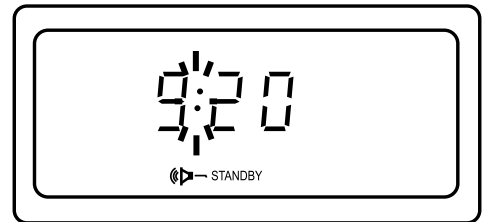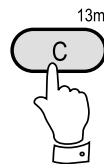
Setting the HWS (Humane Wake System) alarm

A repeating beep tone will sound when using the HWS alarm. The alarm beep will increase in volume every 15 seconds for 1 minute followed by 1 minutes silence before repeating the cycle. The HWS alarm will sound for 30 minutes unless turned off by pushing the **"Power/Sleep"** button.

50

1. The HWS alarm is set in the same way as the radio alarm except instead of pushing the "◀—Standby" button the "Standby—⏰ HWS" button is used instead.

   The HWS alarm may be turned off by pressing the **"Power/Sleep"** button.

Note: The HWS alarm can be set independently from the buzzer alarm enabling 2 alarm times to be set, one for the radio alarm and one for the HWS alarm.
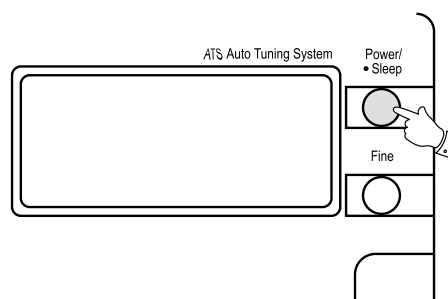
Setting the count down timer

The radio has a count down timer which can be set to beep when the time set has elapsed. The count down timer can be set with the radio power on or off.

1. If the radio is switched on press the **"Display"** button to display the time.

2. Press the **"Timer"** button, the display will flash **"Timer"**.
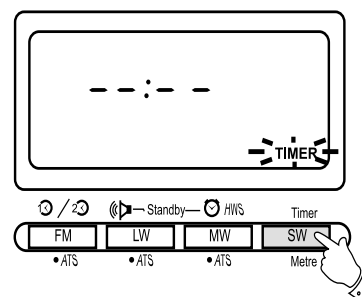
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0181 758 0338 (Mon-Fri)

51

3. Enter the required time in hours and minutes (max 23 hours and 59 minutes) using the numbered buttons. e.g. to enter 1 hour and 30 minutes, press the buttons marked **[1], [3], [0]**.

```
15:00
      TIMER
```

120m   90m   75m
[1]   [2]   [3]
 60m   49m   41m
[4]   [5]   [6]
 31m   25m   21m
[7]   [8]   [9]
 19m   0" Set 16m   13m
[0]   [.]   [C]
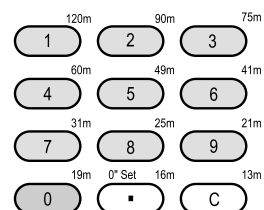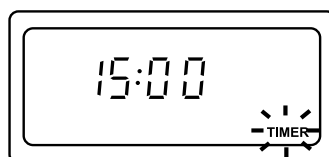
4. Press the **"Enter"** button, **"Timer"** in the display will stop flashing indicating that the count down timer has been set. After approximately 5 seconds the display will revert to showing real time.

```
15:00
            TIMER
```

Display
[Enter]
• Time Set
[M]

52
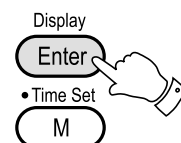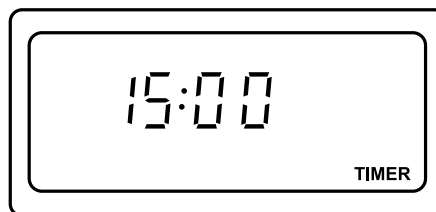
4. While the count down timer is active the time remaining may be checked by pressing **"Timer"** button, press the **"Timer"** button to continue with the time remaining or press the **"Enter"** button to restart the count down timer.	Timer SW Metre Display Enter • Time Set 14:59 TIMER
5. The count down buzzer will sound for 1 minute and then turn off. The count down buzzer can be turned off at any time by pressing the **"Power/Sleep"** button.	ATS Auto Tuning System Power/ • Sleep 5:30 Fine TIMER
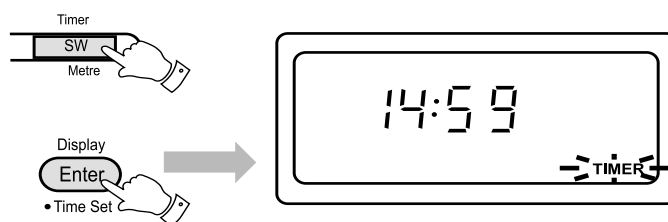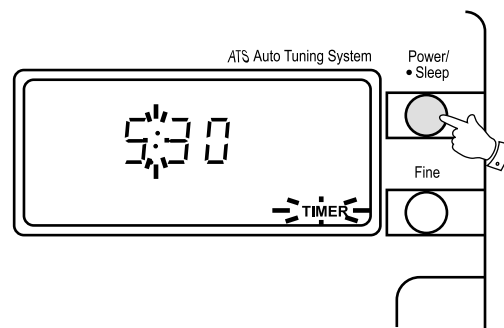
If you need any further advice, please call our Technical Helpline on :-
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6. To cancel the count down timer press the **"Timer"** button, and then press the **"C"** button, **"Timer"** on the display will disappear and the display will revert to showing real time.	Timer SW Metre C • Time Set 14:59 TIMER 5:30
Note: 1. When the count down alarm is active, press the **"Power/Sleep"** button to turn off the alarm. 2. The count down alarm will sound for 1 minute unless turned off by pushing the **"Power/Sleep"** button. 3. If an incorrect time is entered e.g. 25.30 the display will show **"E"** for about 2 seconds before reverting to showing real time.	—:— — TIMER Power/ • Sleep E
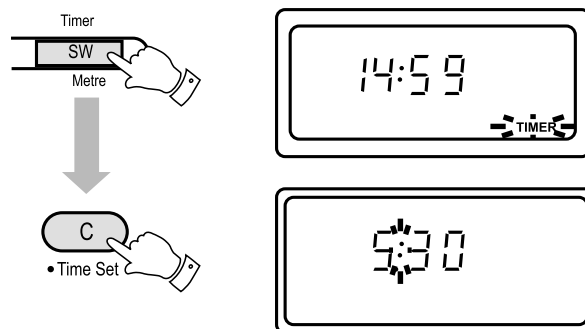
54
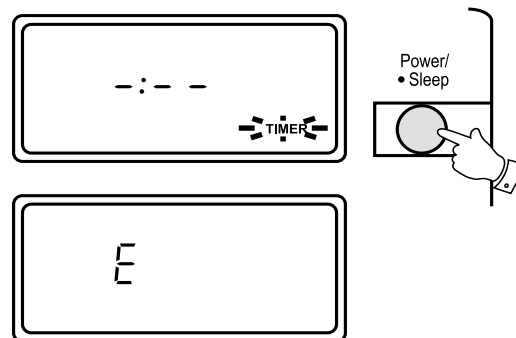
Setting the sleep timer

The sleep timer will automatically switch off the radio after a preset time has elapsed.

1. Press and continue to hold down the **"Power/Sleep"** button the display will cycle through the available sleep times in the order 60-45-30-15-60. Release the **"Power/Sleep"** button when the required sleep time appears in the display.
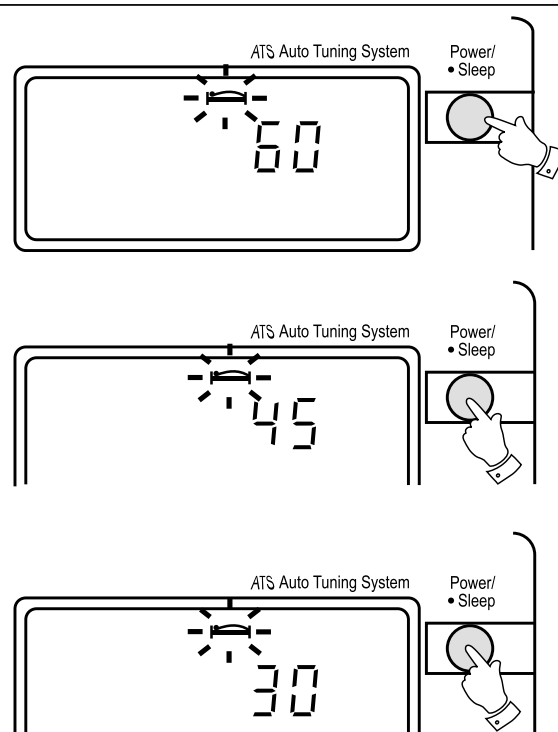
ATS Auto Tuning System   Power/• Sleep

60

ATS Auto Tuning System   Power/• Sleep

45

ATS Auto Tuning System   Power/• Sleep

30
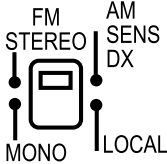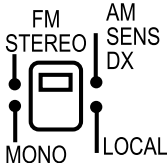
2. The ⬎ symbol together with the sleep time set will appear in the display for 2 seconds after which the display will revert to showing frequency.

```
 ┌──────────────┐          ┌──────────────┐
 │       ⬎      │          │ FM     ⬎     │
 │     30       │   ───▶   │   94.30 MHz  │
 │              │          │              │
 └──────────────┘          └──────────────┘
```
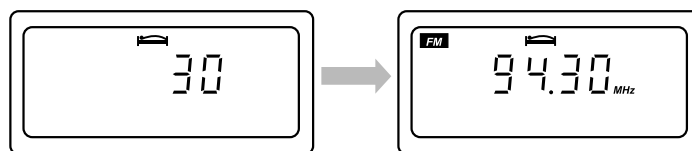
3. To cancel the sleep function, press the **"Power/Sleep"** button, the ⬎ symbol will disappear and the display will revert to showing real time.

```
 ┌──────────────┐          ┌──────────────┐
 │ FM     ⬎     │          │     3:30     │
 │   94.30 MHz  │          │              │
 │              │          │  1 2 3 4 5 6 │
 └──────────────┘          └──────────────┘
```

Power/
• Sleep

56
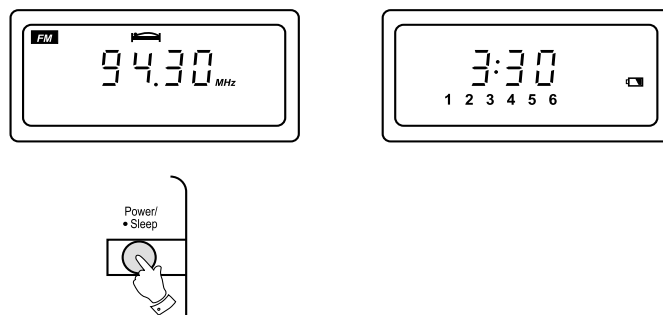
Mono/Stereo and DX/Local switch

1. 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.	FM AM STEREO SENS DX MONO LOCAL
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.	FM AM STEREO SENS DX MONO 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.

AM EXT
ANT

FM
STEREO

AM
SENS
DX

MONO

LOCAL

DC IN 4.5V

58
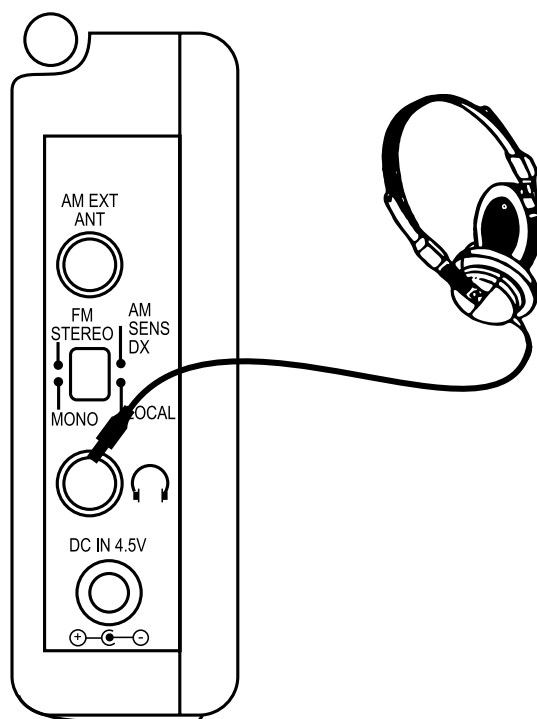
Lock switch

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 ⊶ symbol will appear in the display. The **"Power/Sleep"** 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 ⊶ symbol will be removed from the display.
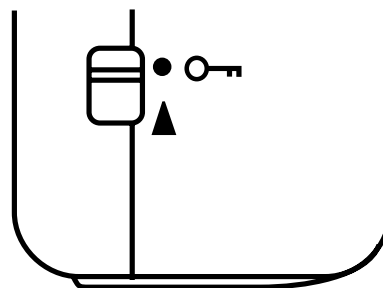
Light

Pressing the light button located on the top of the radio will turn on the light and illuminate the display for approximately 15 seconds.
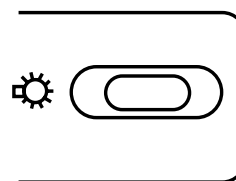
Portable shortwave aerial

1. Pull out the jack plug from the aerial reel and plug into the socket marked **"AM EXT. ANT"** located on the left side of the radio. Uncoil the aerial to a convenient length and attach the reel clip to a suitable support point.

AM EXT
ANT
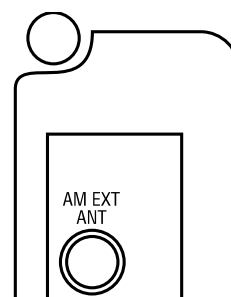
MW step size switch

1. This switch located inside the battery compartment 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.

RESET

UM-3 (SIZE "AA") 1.5V x 3 PCS

9K   10K

60
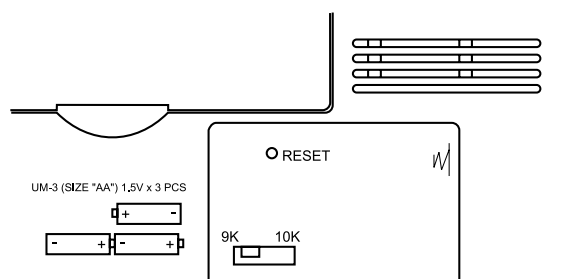
Troubleshooting/Reset button

The Roberts R876 offers many new features which are unavailable on most radios.

If the 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 in the battery compartment for at least 5 seconds, this will reset the microprocessor, clock time and clear all stations stored in preset memory (except SW).

If a problem persists our technical staff would be pleased to help offer any assistance on operating the radio. Our technical helpline number is, 0181 758 0338.
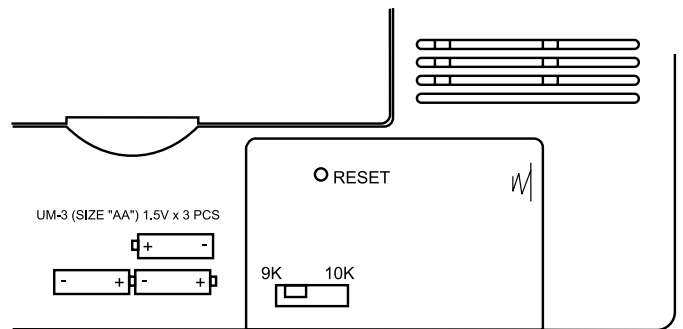
RESET

UM-3 (SIZE "AA") 1.5V x 3 PCS

9K   10K

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.	

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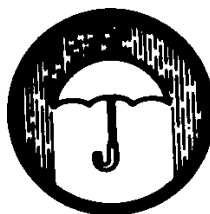
Specifications

Frequency range:			SW	1.711 - 29.999MHz	
	FM	87.5 - 108MHz		120m	2.300 - 2.495MHz
	LW	153 - 513kHz		90m	3.200 - 3.400MHz
	MW	520 - 1710 or 522 - 1710kHz		75m	3.900 - 4.000MHz
	(dependent on position of MW step size switch)			60m	4.750 - 5.060MHz
				49m	5.900 - 6.200MHz
				41m	7.100 - 7.350MHz
				31m	9.400 - 9.990MHz
				25m	11.600 - 12.100MHz
				21m	13.570 - 13.870MHz
				19m	15.100 - 15.800MHz
				16m	17.480 - 17.900MHz
				13m	21.450 - 21.750MHz
				11m	25.600 - 26.100MHz

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

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Specifications cont.

Power requirements 4.5V ⎓			**Output power:**	180mW.
Batteries	3 x IEC size LR6 (AA size)		**Sockets**	
Battery Life	Approx. 16-20hrs of listening when used for 4 hours a day at normal volume using alkaline batteries.		Headphone socket	3.5mm dia stereo.
			AM external aerial	3.5mm.
			DC in	4.5volts centre pin negative.
Circuit features			**Accessories:**	Carrying pouch, Stereo earphones, AC adaptor, Portable shortwave aerial.
Semiconductors:	1 LSI, 10 IC's, 8 FET, 24 transistors, 25 diodes, 2 LED			
Aerial system	LW	Built in ferrite aerial		
	MW	Built in ferrite aerial		
	SW	Telescopic aerial		
	FM	Telescopic aerial		

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

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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.

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

Imported by:-
ROBERTS RADIO LIMITED
PO BOX 130
MEXBOROUGH
SOUTH YORKSHIRE
S64 8YT

ROBERTS RADIO TECHNICAL SERVICES DEPARTMENT
97-99 Worton Road
Isleworth Middlesex
TW7 6EG
Technical Helpline :- 0181 758 0338
Issue 3

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