

# ROBERTS

## ***Sports DAB 5***

**DAB / DAB+ / FM personal digital radio**



Please read this manual before use

**DAB**  
Digital Audio Broadcasting

**DAB+**

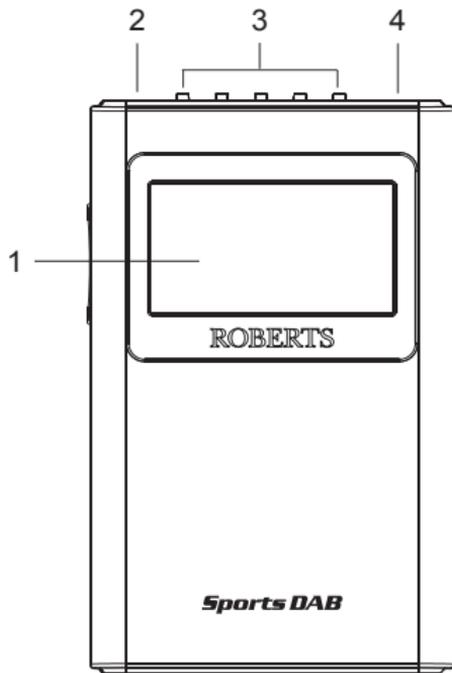
**+** Digital  
Radio

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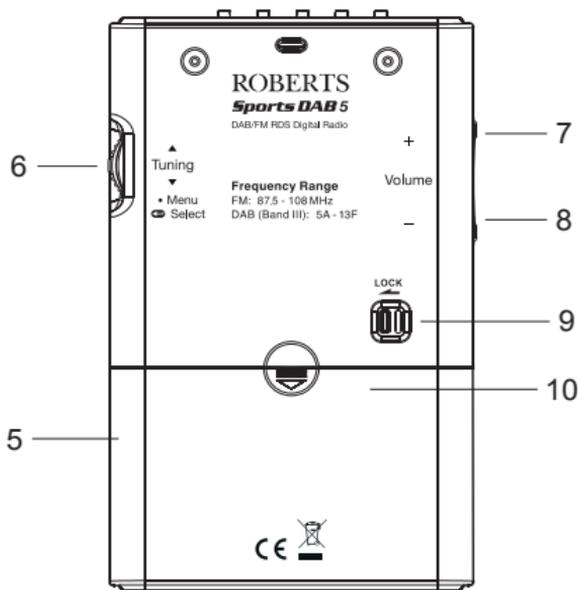
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## Controls



1. LCD display
2. Headphone socket
3. Presets 1 - 5
4. On / Off button

## Controls



5. Battery compartment

6. Jog wheel

7. Volume Up button

8. Volume Down button

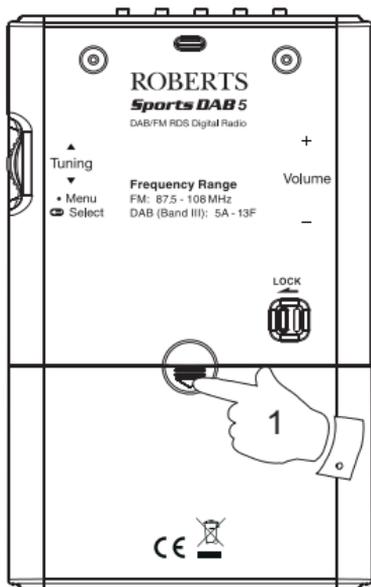
9. Lock switch

10. USB socket for service use only  
(Inside battery compartment)

## Battery operation

1. Remove the battery cover on the back of the unit by sliding the cover in the direction of the arrow.
2. Insert 2 x LR6 (AA size) batteries into the spaces in the compartment. Take care to ensure all batteries are inserted with the correct polarity as shown inside the battery compartment. Replace the cover.
3. When the batteries are exhausted the radio will go off. Reduced power, distortion and a 'stuttering' sound are all signs that the batteries may need replacing.
4. If the radio is not used for any extended period of time it is recommended that the batteries are removed from the radio.
5. Battery replacement does not cause the station list or preset stations to be lost.

**Important:** The batteries should not be exposed to excessive heat such as sunshine, fire or the like. After use, disposable batteries should if possible be taken to a suitable recycling centre. On no account should batteries be disposed of by incineration.



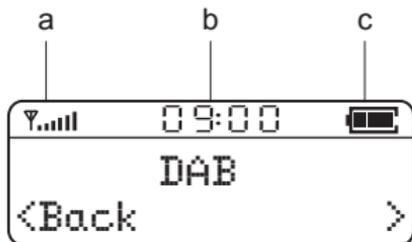
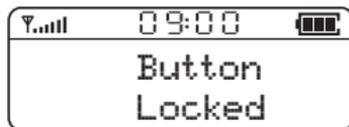
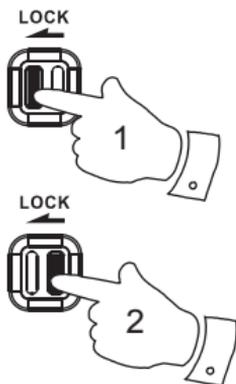
## Keylock function

The **Keylock function** is used to prevent unintentional operation of your radio.

1. Set the **Lock** switch located on the rear of your radio to the '**Lock**' position. The On/Off and all other buttons will be disabled. This will prevent accidental operation when your radio is packed in a suitcase or travel bag. If a button is accidentally pressed then '**Button Locked**' will show on the display.
2. To release the **Lock** switch, move the lock switch to the '**Unlock**' position.

## Display icons

- a. Signal strength indicator
- b. Time (24 hour format)
- c. Battery indicator



## Navigation

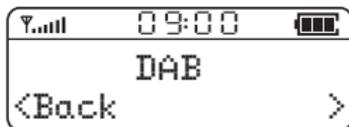
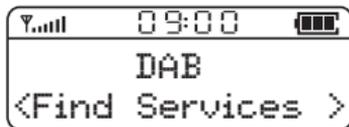
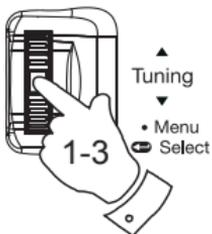
This page describes the basic means of controlling your **Sports DAB 5**. Instructions for each operating mode are given in the later sections of this book.

1. Press and hold in the **Jog wheel** to access the main menus.
2. Many operations require the user to make a selection from the menus. Push the **Jog wheel** Up or Down to highlight the desired menu item and then press the **Jog wheel** to select that item. Arrows are used to show that there are more items in that menu.
3. If an error is made or you wish to go to the previous screen there is a '**Back**' menu item in most menus. Push the **Jog wheel** Up or Down until '**Back**' is highlighted on the display and press the **Jog wheel** to select. After a period of inactivity the display will revert to the previous information display.

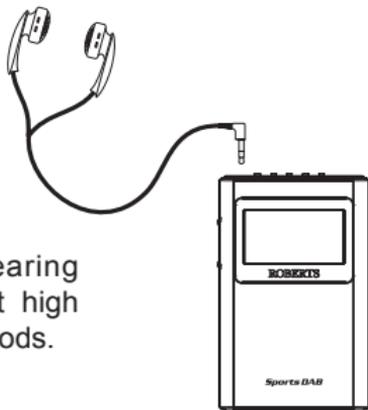
## Earphones

The lead connecting the earphones to your radio acts as an aerial when plugged into the **Earphone** socket. The lead should be fully extended as much as possible to increase reception.

1. Plug the earphones into the **Earphone** socket on the top of your radio.
2. Check that the **Volume level** is not too loud before placing the ear-pieces into your ears.



**IMPORTANT:** Plug the headphones into the radio and switch on the radio **before** inserting the headphones into your ears. Excessive sound pressure from earphones can cause hearing loss.



To prevent possible hearing damage, do not listen at high volume levels for long periods.

## Operating your radio - DAB

1. Carefully fully extend the earphone antenna.
2. Press the **On/Off** button to switch on your radio. The display will show '*Welcome To Digital Radio*'.
3. If this is the first time the radio is used a scan of the Band III DAB channels will be carried out. If the radio has been used before the last used station will be selected.
4. During the scanning process, the lower line of the display shows a bar-graph indicating progress of the scan.
5. When the scanning is completed the first station (in numeric-alpha order 0...9...A...Z) will be selected. Your radio will automatically set to the current time.
6. If the station list is still empty after the scan your radio will display '*Service not available*'.
7. If no signals are found it may be necessary to relocate your radio to a position giving better reception. Then, either switch your radio off and on again, or follow the procedure page 19 to repeat the scan.

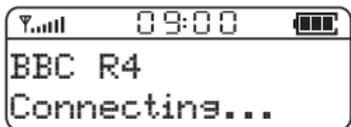
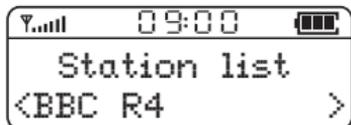
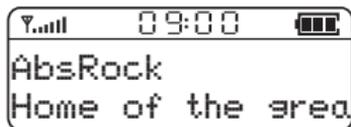
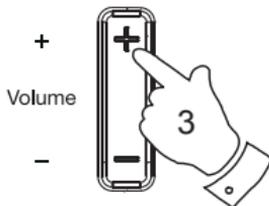
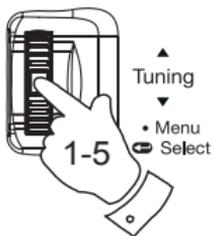


## Selecting a station - DAB

1. When in DAB mode, push the **Jog wheel** either up or down to scroll through the list of available stations on the lower line of the display. Stop when you find the station that you wish to hear.
2. Press the **Jog wheel** to select the station. The display may show 'Connecting...' while your radio finds the new station.
3. Adjust the **Volume** to the required setting.
4. If you need to select the DAB mode, press and hold the **Jog wheel** and then push the **Jog wheel** up or down until 'DAB mode' is highlighted.
5. Press the **Jog wheel** to enter the DAB mode.

**Note:** If after selecting a station the display shows 'Service not available' it may be necessary to relocate your radio to a position giving better reception.

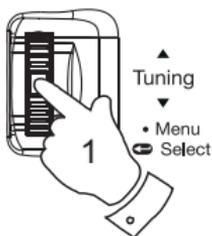
The use of radio station presets for selecting your preferred radio stations is described on page 33.



## Display options - DAB

When in DAB mode your radio has a range of display options:-

1. Press the ***Jog wheel*** to cycle through the various options.
  - a. Scrolling text                      Displays scrolling text messages such as artist /track name, phone in number etc.
  - b. Multiplex Name                      Displays the name of the DAB multiplex to which the current station belongs.
  - c. Time                                      Displays the current time.
  - d. Date                                      Displays the current date.
  - e. Channel & frequency              Displays the channel number and frequency of the DAB multiplex for the station listened to.
  - f. Bit rate & audio type              Displays the digital bit rate & audio type for the station being listened to.
  - g. Signal Strength                      Displays a graph showing the signal strength for the station being received. The large unfilled rectangle indicates the minimum signal level required for satisfactory reception.



- a
- ```

Y... 09:00
BBC R4
Now Playing how
  
```
- b
- ```

Y... 09:00
BBC R4
BBC National DAB
  
```
- c
- ```

Y... 09:00
BBC R4
09:00:02
  
```
- d
- ```

Y... 09:00
BBC R4
2-12-2013
  
```
- e
- ```

Y... 09:00
BBC R4
12B 225.648MHz
  
```
- f
- ```

Y... 09:00
BBC R4
128kbps / DAB
  
```
- g
- ```

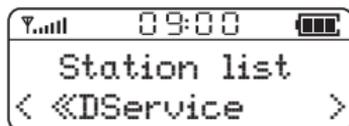
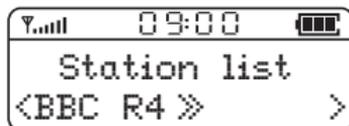
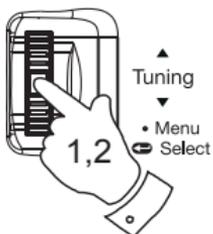
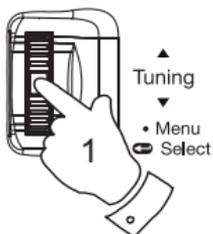
Y... 09:00
BBC R4
███████|███████
  
```

## Signal strength display - DAB

1. Repeatedly press the **Jog wheel** until the lower line of the display shows signal strength.
2. Position your radio and try moving the aerial so as to give maximum number of black rectangles on the signal strength display. Normally, the best reception will be found with the aerial lead fully extended.
3. The large unfilled rectangle indicates minimum signal level required for satisfactory reception.

## Secondary services - DAB

1. Certain radio stations have one or more secondary services associated with them. If a radio station has a secondary service associated with it the display will show '>>' next to the station name. The secondary service will then appear immediately after the primary service as you push the **Jog wheel** up or down.
2. Press the **Jog wheel** to select the station.
3. When the secondary service shuts down, your radio will automatically switch back to the main radio station (or primary service) if it is available.



## Finding new radio stations - DAB

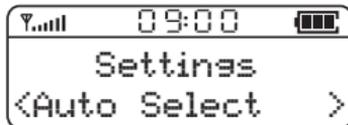
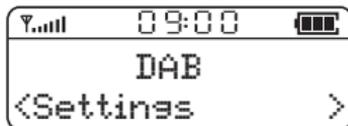
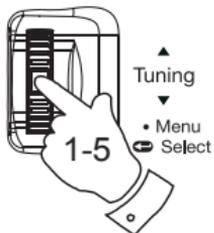
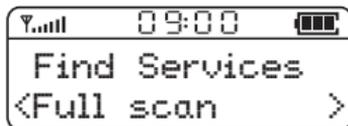
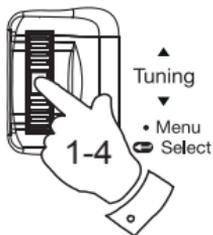
As time passes new stations may become available. To find new stations proceed as follows:-

1. Ensure your radio is in DAB mode. Press and hold the ***Jog wheel***.
2. Push the ***Jog wheel*** up or down until 'Find Services' is highlighted on the display.
3. Press the ***Jog wheel*** and then push the ***Jog wheel*** up or down until the display shows 'Full scan'.
4. Press the ***Jog wheel***. The display will show 'Scanning...' and your radio will perform a scan of the Band III DAB channels. As new radio stations are found the station counter on the right-hand side of the display will increase and the radio stations will be added to the list stored in the radio.

## Auto select function - DAB

As an alternative to pressing the Jog wheel to select a station your radio can be set so as to automatically select a station.

1. Press and hold the ***Jog wheel***.
2. Push the ***Jog wheel*** up or down until 'Settings' is highlighted on the display.
3. Press the ***Jog wheel*** and then push the ***Jog wheel*** up or down until 'Auto Select' shows on the display. Press the ***Jog wheel***.



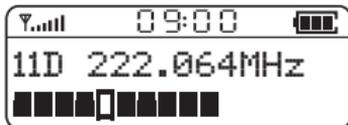
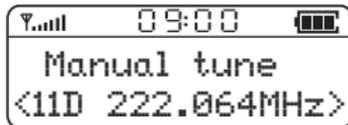
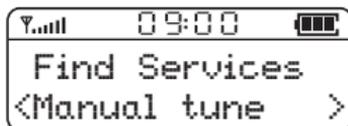
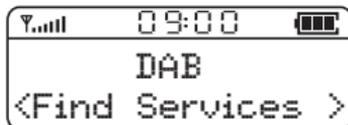
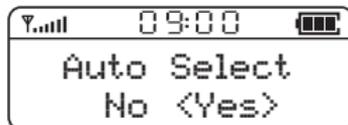
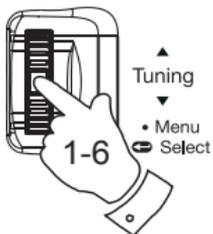
## Auto select function - DAB cont

4. Push the **Jog wheel** up or down until 'Yes' is highlighted. Press the **Jog wheel** to confirm. When tuning your radio will now automatically select a station from the station list.
5. If you do not wish to use the Auto Select function press the **Jog wheel** up or down and choose 'No'. The radio will require a press to choose a station from the station list.

## Manual Tuning - DAB

Manual tuning allows you to tune directly to the various DAB Band III channels. UK DAB stations located in the range 11B to 12D.

1. Press and hold the **Jog wheel**.
2. Push the **Jog wheel** up or down until 'Find Services' is highlighted on the display.
3. Press the **Jog wheel** and then push the **Jog wheel** up or down until the display shows 'Manual tune'.
4. Press the **Jog wheel** and then push the **Jog wheel** up or down to highlight the desired channel.
5. Press the **Jog wheel**. The graph will indicate the signal strength and the upper line will show the name of the DAB multiplex (group of stations). Any stations found will be added to the stored list in the radio.
6. Press the **Jog wheel** to return to the normal tuning mode.



## Dynamic Range Control settings - DAB

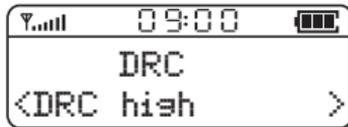
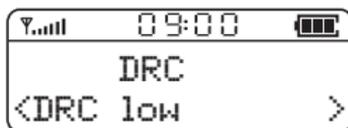
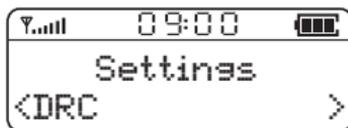
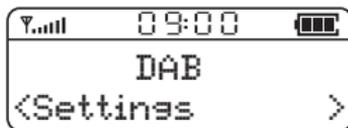
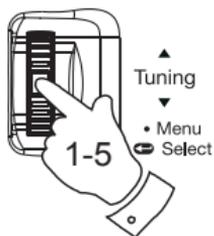
Dynamic Range Control (also known as DRC) can make quieter sounds easier to hear when your radio is used in a noisy environment.

1. Press and hold in the ***Jog wheel***.
2. Push the ***Jog wheel*** up or down until 'Settings' is highlighted on the display. Press the ***Jog wheel***.
3. Push the ***Jog wheel*** up or down until 'DRC' is highlighted on the display. Press the ***Jog wheel*** to enter the DRC settings menu.
4. Push the ***Jog wheel*** up or down to select the required DRC setting (the default is off).

DRC off - DRC is switched off, Broadcast DRC will be ignored.  
DRC low - DRC level is set to 1/2 that sent by broadcaster.  
DRC high - DRC level is set as sent by broadcaster. The current DRC setting will be marked with an asterisk.

5. Press the ***Jog wheel*** to confirm the setting. The display will return to the previous display.

**Note:** Not all DAB broadcasts are able to use the DRC function. If the broadcast does not support DRC, then the DRC setting in the radio will have no effect.



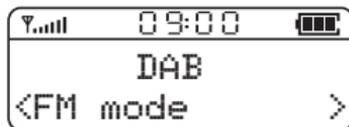
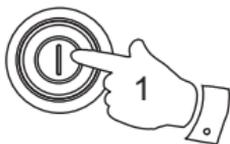
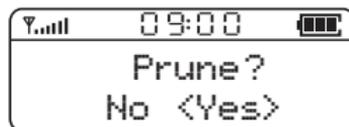
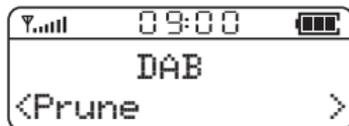
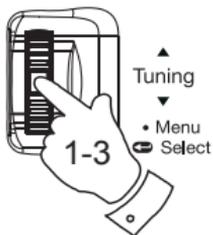
## Prune stations - DAB

Over time, some DAB services may stop broadcasting, or may change location and then not be able to receive a station. In order to remove such stations from the DAB station list, the Prune stations function will delete the DAB stations from your station list that can no longer be received.

1. Press and hold in the **Jog wheel** and then push the **Jog wheel** up or down until 'Prune' is highlighted on the display. Press the **Jog wheel**.
2. Push the **Jog wheel** up or down to highlight 'Yes'.
3. Press the **Jog wheel** to cause the stations list to be pruned, eliminating unavailable stations. If you do not wish to prune stations highlight 'No' in step 2 and then press the **Jog wheel**. The display will revert back to the previous display.

## Operating your radio search tuning - FM

1. Carefully extend the aerial lead fully. Press the **On/Off** button to switch on your radio.
2. Press and hold the **Jog wheel** and then push the **Jog wheel** up or down until 'FM mode' is highlighted.
3. Press the **Jog wheel** to enter the FM mode.

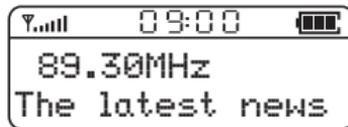
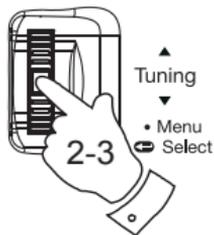
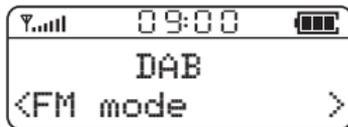
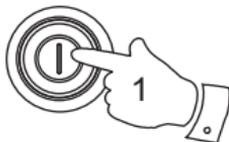
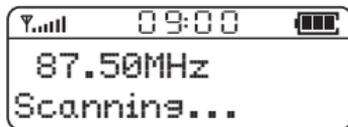
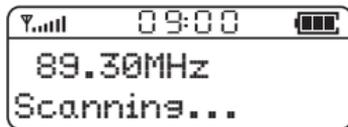
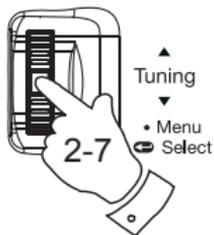


## Operating your radio search tuning - FM cont.

4. Push the **Jog wheel** up and hold for 2 seconds, your radio will scan in an upwards direction (low frequency to high frequency) and stop automatically when it finds a station of sufficient strength.
5. After a few seconds the display will update. The display will show the frequency of the signal found. If the signal is strong enough and there is RDS data present then the radio may display the station name.
6. To find other stations, push the **Jog wheel** up and hold as before.
7. To scan the FM band in a downwards direction (high frequency to low frequency) push the **Jog wheel** down and hold for 2 seconds. When the waveband end is reached your radio will recommence tuning from the opposite waveband end. Adjust the **Volume** to the required setting.

## Manual tuning - FM

1. Carefully extend the aerial fully for FM reception. Press the **On/Off** button to switch on your radio.
2. Select the FM mode as previously described if required.
3. Push the **Jog wheel** up or down to tune to a station. With each push of the **Jog wheel** the frequency will change up or down by 50 kHz. When the waveband end is reached the radio will recommence tuning from the opposite waveband end.
4. Set the **Volume** to the desired settings.

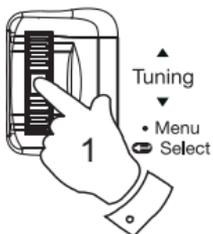


## Display options - FM

When in FM mode your radio has a range of display options:-

1. Press the **Jog wheel** to cycle through each of the options.
  - a. Scrolling text      Displays scrolling text such as artist name, phone in number, etc.
  - b. Program type      Displays type of station being listened to e.g. Pop, Classic, News, etc.
  - c. Audio mode      Display shows stereo or Mono.
  - d. Time      Displays the current time.
  - e. Date      Displays the current date.

**Note:** Your radio will display '*No RadioText*' on the lower line of the display if there is no scrolling text available and '*No PTY*' if there is no programme type information.



a

|                 |       |   |
|-----------------|-------|---|
| Y               | 09:00 | 🔋 |
| BBC R2          |       |   |
| The latest news |       |   |

b

|        |       |   |
|--------|-------|---|
| Y      | 09:00 | 🔋 |
| BBC R2 |       |   |
| News   |       |   |

c

|        |       |   |
|--------|-------|---|
| Y      | 09:00 | 🔋 |
| BBC R2 |       |   |
| Mono   |       |   |

d

|          |       |   |
|----------|-------|---|
| Y        | 09:00 | 🔋 |
| BBC R2   |       |   |
| 09:00:02 |       |   |

e

|           |       |   |
|-----------|-------|---|
| Y         | 09:00 | 🔋 |
| BBC R2    |       |   |
| 2-12-2013 |       |   |

## Stereo / Mono - FM

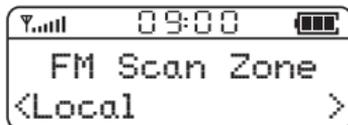
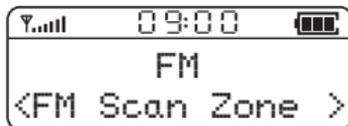
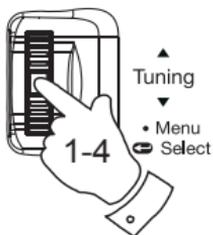
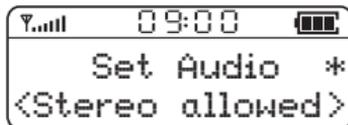
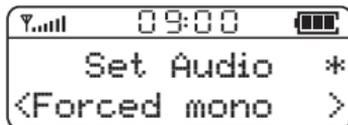
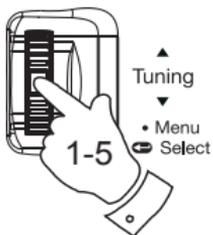
If a station being received is weak some hiss may be audible.

1. To reduce the hiss press and hold the **Jog wheel** to enter the menu and then push up or down until '*Settings*' is highlighted.
2. Press the **Jog wheel** to select this function.
3. Push the **Jog wheel** up or down until '*Set Audio*' is highlighted on the display. Press the **Jog wheel**.
4. Push the **Jog wheel** up or down until '*Forced mono*' is highlighted on the display. Press the **Jog wheel**. Your radio will select the mono audio mode.
5. To return to stereo mode, follow steps 1 to 3 above. Push the **Jog wheel** up or down until '*Stereo allowed*' is highlighted on the display. Press the **Jog wheel**. Your radio will switch to stereo mode. The chosen setting will be marked with an asterisk.

## Scan sensitivity - FM

Your radio includes a local/distant option for the Autoscan function. By setting the radio to the 'local' scan option, weaker signals from more distant transmitters can be ignored by the radio, making stronger signals easier to find.

1. Press and hold the **Jog wheel** to enter the menu and then push up or down until '*FM Scan Zone*' is highlighted.
2. Press the **Jog wheel** to enter the scan sensitivity menu.



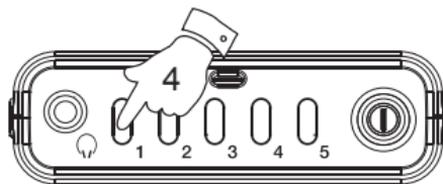
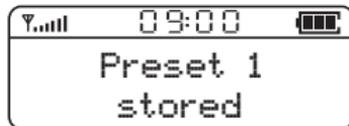
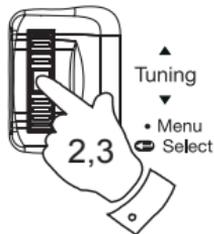
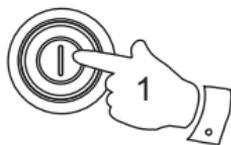
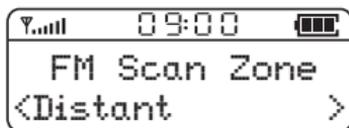
## Scan sensitivity - FM cont.

3. Push the **Jog wheel** up or down to switch between 'Local' (Strong stations only) and 'Distant' (All stations) options. The Distant option will allow the radio to find weaker signals when scanning.
4. Press the **Jog wheel** to confirm the setting. The Local or Distant setting is stored in the radio and remains in force until changed or until a system reset.

## Presetting stations

You may store your preferred DAB and FM radio stations to the preset station memories. There are 10 memory presets in your radio, 5 for DAB and 5 for FM. The procedure for setting presets and using them to tune stations is the same for FM and DAB modes, and is described below.

1. Press and release the **On/Off** button to switch on the radio.
2. Select the desired waveband.
3. Tune to the required station as previously described.
4. Press and hold down the required **Memory Preset** button (1-5) until the display shows, for example, 'Preset 1 stored'. The station will be stored under the chosen preset button.
5. Repeat this procedure for the remaining presets.
6. Stations stored in preset memories may be overwritten by following the above procedure.



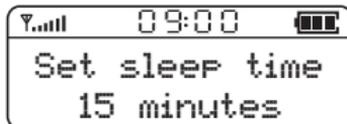
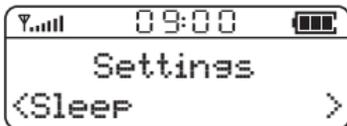
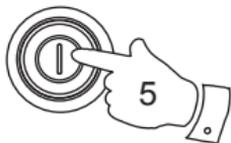
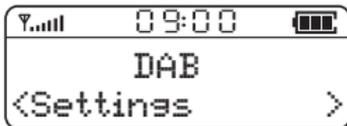
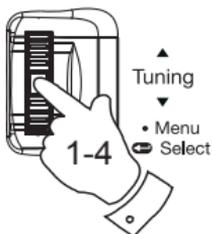
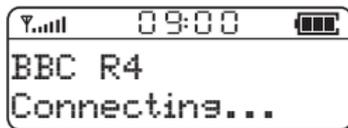
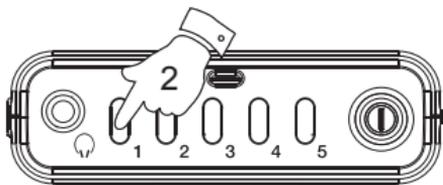
## Recalling preset stations

1. Press and release the **On/Off** button to switch on the radio and then select the desired waveband.
2. Press and release the required **Memory Preset** button. Your radio will tune to the chosen preset station stored in the preset memory. The display will show, 'Preset Empty' if no station has been stored to that preset.

## Sleep function

Your radio can be set to turn off after a preset time has elapsed. The sleep setting can be adjusted between 15 and 90 minutes.

1. Press and hold the **Jog wheel** to enter the menu and then push up or down until 'Settings' is highlighted on the display.
2. Press the **Jog wheel** and then push up or down until 'Sleep' is highlighted on the display. Press the **Jog wheel** to enter the adjustment mode.
3. Push the **Jog wheel** up or down to set the desired sleep time between 15 and 90 minutes or 'Off' which will cancel the sleep function.
4. Press the **Jog wheel** to confirm the setting. The sleep timer indicator  will show on the display. Your radio will switch off after the preset sleep time has elapsed.
5. To cancel the sleep timer and switch off your radio before the chosen sleep time has elapsed, press the **On/Off** button.



To cancel the sleep timer without switching off your radio, set the desired sleep time to 'Off'.

## Contrast

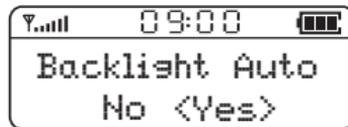
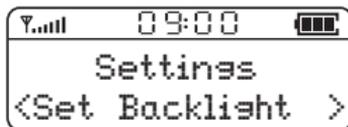
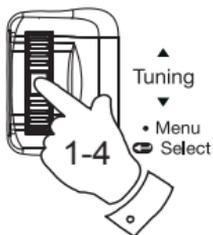
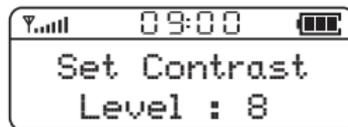
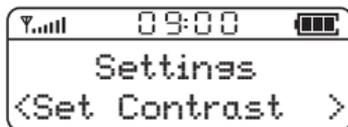
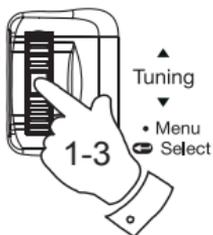
The contrast of the display can be adjusted on your radio.

1. To adjust the contrast press and hold the **Jog wheel** to enter the menu and then push up or down until 'Settings' is highlighted on the display.
2. Press the **Jog wheel** and then push up or down until 'Set Contrast' is highlighted on the display. Press the **Jog wheel** to enter adjustment mode.
3. Push the **Jog wheel** up or down to adjust the contrast level (between 0 and 10). The contrast level indication on the screen will change at the same time. When you find the setting that gives you the best legibility for the location in which the radio is used, press the **Jog wheel** to save the setting.

## Display backlight

The display backlight can either be left on whilst the radio is in use or can be set to automatically switch on for just approximately 12 seconds when any button is pressed.

1. To set the backlight to automatically switch off after 12 seconds, press and hold the **Jog wheel** and then push up or down until 'Settings' is highlighted on the display. Press the **Jog wheel** to enter the settings menu.
2. Push the **Jog wheel** up or down until 'Set backlight' is highlighted on the display.



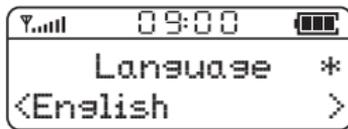
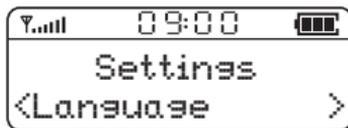
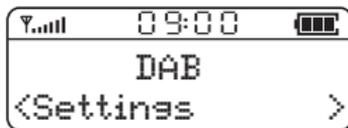
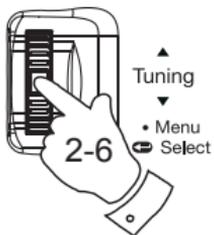
## Display backlight cont.

3. Press the **Jog wheel** and push up or down until 'Yes' is highlighted. Press the **Jog wheel** to confirm selection. The backlight will now switch on for just 12 seconds. The radio will return to the normal radio mode.
4. If you require the backlight to be on continuously push the **Jog wheel** up or down and choose 'No'. The radio will return to normal radio mode.

## Language

Your radio can be configured to a different language.

1. Press and release the **On/Off** button to switch on your radio.
2. Press and hold the **Jog wheel** to enter the menu and then push up or down until 'Settings' is highlighted on the display.
3. Press the **Jog wheel** and then push up or down until 'Language' is highlighted on the display.
4. Press the **Jog wheel** to enter the language adjustment menu.
5. Push the **Jog wheel** up or down until your desired language appears on the display.
6. Press the **Jog wheel** to confirm your choice. The display will change to the chosen language. The chosen language will be marked with an asterisk.



## Software version

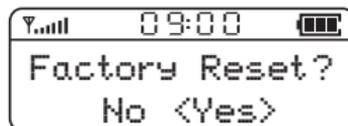
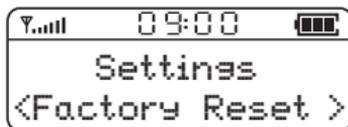
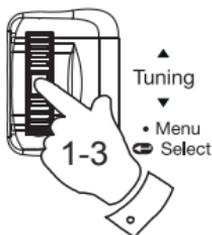
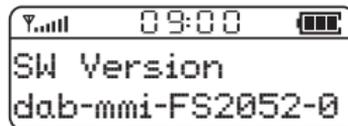
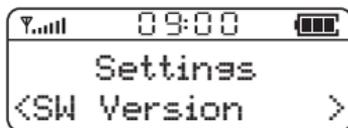
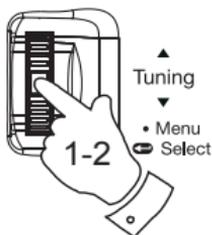
The software display cannot be altered and is just for your reference.

1. To view the software version press and hold the **Jog wheel** to enter the menu and then push up or down until 'Settings' is highlighted on the display. Press the **Jog wheel** to enter the settings menu.
2. Push the **Jog wheel** up or down until 'SW version' is highlighted on the display. Press the **Jog wheel**. The software version will appear on the display. Press the **Jog wheel**. After several seconds your radio will exit the software version display.

## System reset

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

1. Press and hold the **Jog wheel**. Push the **Jog wheel** up or down until 'Settings' is highlighted on the display. Press the **Jog wheel**.
2. Push the **Jog wheel** up or down until 'Factory Reset' is highlighted on the display. Press the **Jog wheel**.
3. If you wish to perform the reset operation, push the **Jog wheel** up or down until 'Yes' is highlighted on the display and press the **Jog wheel**. A full reset of your radio will be performed. All presets and station lists will be erased. If you do not wish to reset your radio push the **Jog wheel** up or down until 'No' is highlighted and press the **Jog wheel**. Your radio will exit the menu.



4. After a system reset a scan of the DAB band will be performed. In case of malfunction due to electrostatic discharge, reset the product (temporary disconnection of the batteries may be required) to resume normal operation.

## General

Do not allow this radio to be exposed to water, steam or sand. Do not leave your 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. It is recommended that the DAB band be used wherever possible as better results in terms of quality and freedom from interference will usually be obtained than on the FM band.

The name plate is located on the rear of your radio.

- Your radio should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the radio.
- It is recommended to operate the product such that there is a minimum distance (10cm recommended) to adjacent objects in order to ensure good ventilation.
- The ventilation of the product should not be restricted by covering it or its ventilation openings with items such as newspapers, tablecloths, curtains etc.
- No naked flame sources such as lighted candles should be placed on the product.
- It is recommended to avoid using or storing the product at extremes of temperature. Avoid leaving the unit in cars, on window sills, in direct sunlight etc.

## Specifications

### **Power Requirement**

Batteries 2 x LR6 (AA size)

### **Battery life**

Approx. 20 hours of listening for 4 hours a day at normal volume using alkaline cells.

### **Frequency Coverage**

FM 87.5-108MHz

DAB 174.928 -239.200MHz

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

## Circuit Features

Earphone socket    3.5mm dia. stereo

### Aerial System

FM            Earphone antenna

DAB         Earphone antenna

## Software upgrades

In the event that any software update is made available for your radio, information on how to update your radio will be made available via our website at **<http://www.robertsradio.com>**

## Guarantee

This product is guaranteed for twelve months from the date of purchase by 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. Product with removed or defaced serial numbers.

Procedure: Any claim under this guarantee should be made through the dealer from whom the product 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 product to the company's service department for attention. In the event that it is not possible to return the product to the Roberts dealer from whom it was purchased, please contact Roberts Radio using the contact details on the [www.robertsradio.com](http://www.robertsradio.com) website.

For product repairs falling outside the guarantee period, please refer to the "customer care" tab on the [www.robertsradio.com](http://www.robertsradio.com) website.

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

# ROBERTS RADIO LIMITED

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*Issue 2*

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