ROBERTS

Sound for Generations

RD-15

DAB digital radio

Gemini 15

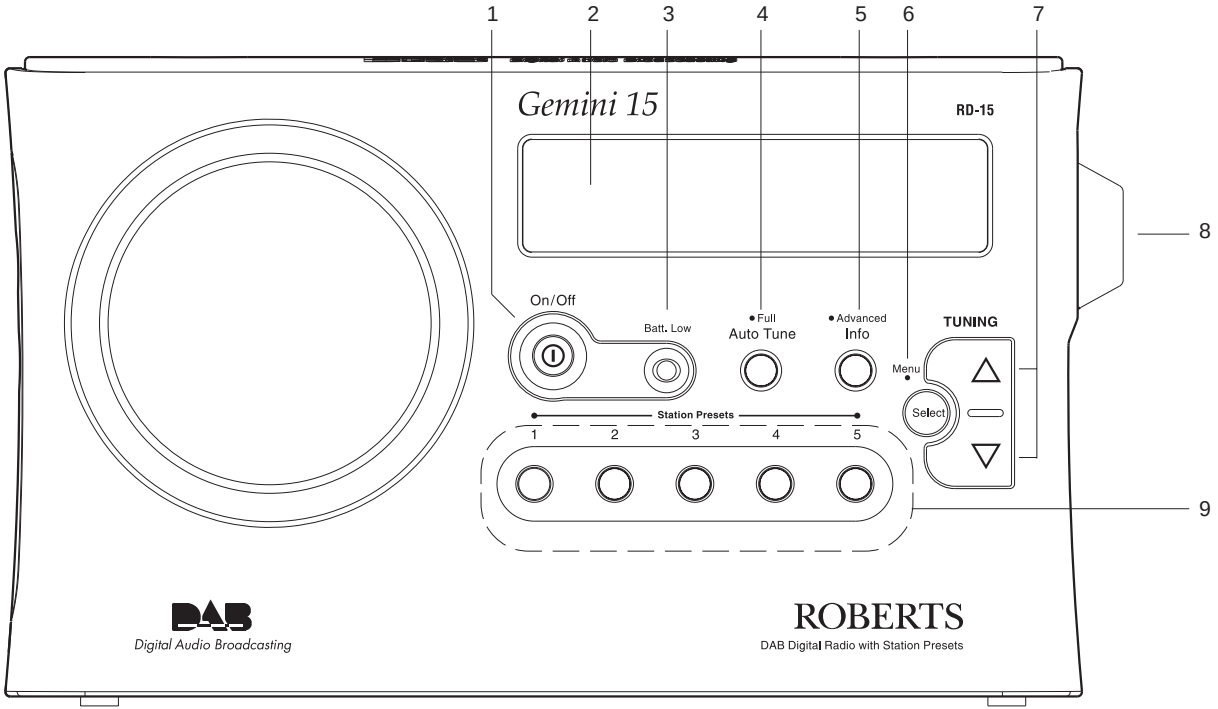
Digital Audio Broadcasting

Please read this manual before use

Contents

Controls 2
Battery operation 3
Mains operation 3
Operating your radio - DAB 4
Selecting a station - DAB 5
Secondary services - DAB 6
Display modes - DAB 6
Finding new stations- DAB 7
Autoselect - DAB 7
Manual tuning - DAB 8
Signal strength display - DAB 8
Presetting stations 9
Recalling a preset station 10
Dynamic raange control (DRC) 11
Display backlight 11
System reset 12
Headphone socket 12
General 13
Specifications 13
Circuit features 13
Guarantee ..... *back cover*

Controls



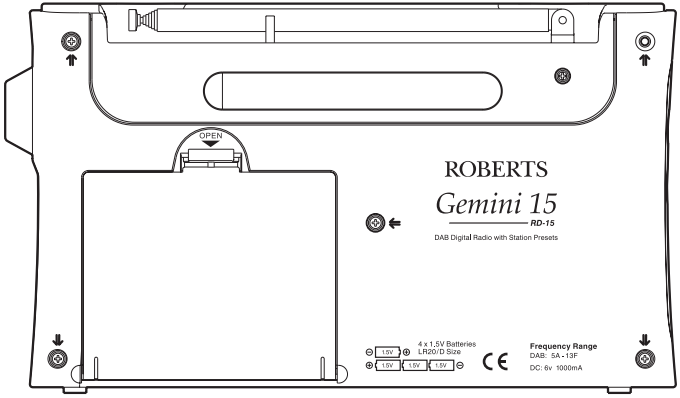
1. On/Off button
2. LCD display
3. Battery low indicator
4. Auto Tune button
5. Info button
6. Select button
7. Tuning up/down buttons
8. Volume control
9. Preset buttons

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

Battery operation

1. Remove the ***Battery cover*** on the rear of the unit by pushing the catch downwards. Open the battery door.
2. Insert four LR20 (D size) batteries into the spaces in the compartment. Take care to ensure all batteries are inserted with the correct polarity as shown on the rear of your radio. Close the battery door.
3. The ***Low battery indicato***r, reduced power, distortion and a 'stuttering' sound are all signs that the batteries may need replacing.
4. If the radio is not to be used for any extended period of time it is recommended that the batteries are removed from the radio.

   We would recommend for economy that the RD-15 is used via the mains adaptor whenever possible with battery operation for occasional or stand-by use only.



Using the AC adaptor

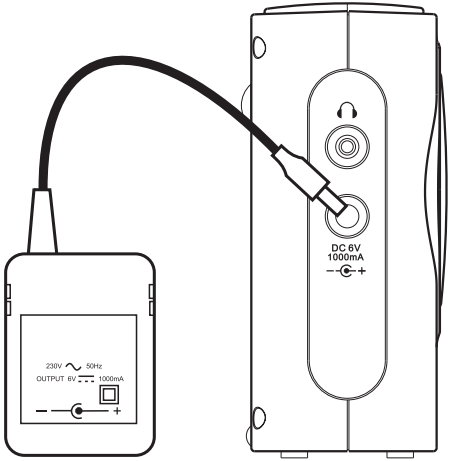
Your radio is supplied with a Mains Adaptor.

1. Place your radio on a flat surface.

2. Insert the adaptor plug into the DC socket located on the left hand end of your radio.

3. Plug the adaptor into a standard 13 amp mains socket outlet. Whenever the adaptor is used, the batteries are automatically disconnected.

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



Operating your radio - DAB

1. Carefully extend the telescopic aerial

2. Press the ***On/Off button*** to switch on your radio. The display will show "Roberts DAB digital radio" for a few seconds.

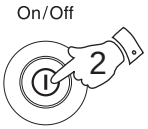
3. If this is the first time the radio is used a quick scan of UK Band III DAB channels will be carried out. The display will show "Autotune Quick scan". If the radio has been used before the last used station will be selected.

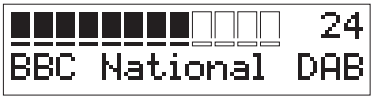
4. During Autotune as each group of stations is detected the bottom line of the display will show its name and the station count will be updated. The top line of the display shows a bargraph indicating progress of the Autotune.

5. When the Autotune is completed the first station (in numeric-alpha order 0...9...A....Z) will be selected.

6. If the station list is still empty after the Autotune your radio will display "No Signal".

7. If no signals are found it may be necessary to relocate your radio to a position giving better reception.





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

Selecting a station - DAB

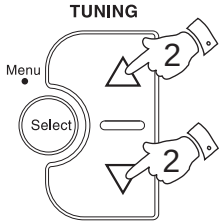
1. The top line of the display shows the name of the station currently selected.

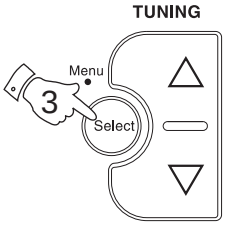
2. Press the ***Up*** or ***Down buttons*** to scroll through the list of available stations.

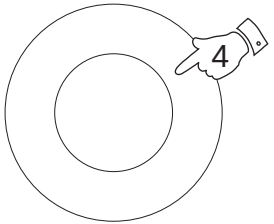
3. Press and release the ***Select button*** to select the station. The display may show "Tuning" while your radio finds the new station.

4. Adjust the ***Volume control*** to the required setting.

   Note: If after selecting a station the display shows "Not Available" it may be necessary to relocate your radio to a position giving better reception.







Secondary services - DAB

1. Certain radio stations have one or more secondary services associated with them. If a station has a secondary service associated with it the display will show ">" next to the station name on the station list. The secondary service will then appear immediately after the primary service when you press the ***Up*** or ***Down buttons***.

Display modes - DAB

Your radio has five display modes:-

1. Press the ***Info button*** to cycle through the various modes.

a. Scrolling text	Displays scrolling text messages such as artist/track name, phone in number, etc.
b. Programme Type	Displays type of station being listened to e.g. Pop, Classic, News, etc.
c. Multiplex Name	Displays name of multiplex to which current station belongs.
d. Signal strength	Displays signal strength for station being listened to.
e. Time and date	Displays current time and date.

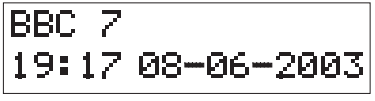
a

b

c

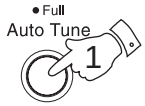
d

e



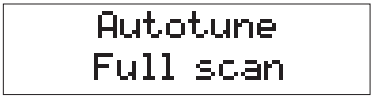
Finding new stations - DAB

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



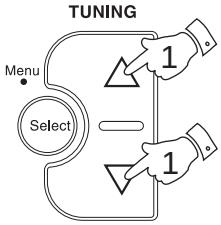
1. Press and release the ***Auto Tune button***, the display will show Autotune Quick scan. Your radio will perform a scan of the UK DAB frequencies. As new stations are found the station counter on the right-hand side of the display will increase and stations will be added to the list

2. To carry out a full scan of the entire DAB Band III frequencies press and hold down the ***Auto Tune button*** for more than 2 seconds and then release. The display will show Autotune Full scan. As new stations are found the station counter on the right-hand side of the display will increase and stations will be added to the list

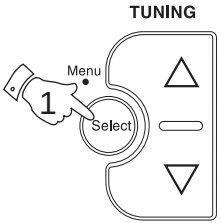


Autoselect - DAB

As an alternative to pressing the ***Select button*** to select a station your radio can be set so as to automatically select a station.



1. Press and release either of the ***Tuning buttons*** a few times, immediately press and hold down the ***Select button*** until the display shows Autoselect ON.
2. Press the ***Tuning buttons*** until the station you require is visible on the display. After a few seconds your radio will automatically select the station shown on the display.
3. To switch off autoselect press and release either of the ***Tuning buttons*** a few times, immediately press and hold down the ***Select button*** until the display shows Autoselect OFF.



Manual Tuning - DAB

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

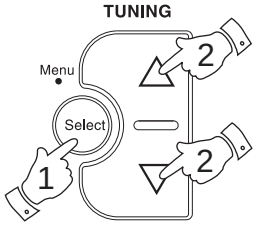
1. Press and hold down the ***Select button*** until the display shows Manual tune. Release the ***Select button***.

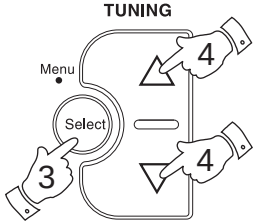
2. Press either of the ***Tuning buttons*** to select the required DAB channel.

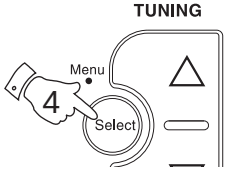
3. Press and release the ***Select button*** to select the channel.

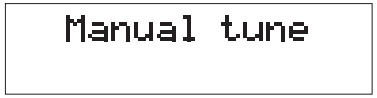
4. Press either of the ***Tuning buttons*** to select the stations contained within the Multiplex (group of stations) for the selected DAB channel.

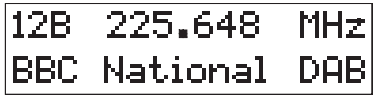
5. Press and release the ***Select button*** to return to normal tuning mode.











Signal strength display - DAB

1. Repeatedly press and release the ***Info button*** until the lower line of the display shows signal strength.

2. Position your radio and carefully angle the telescopic aerial for best reception using the signal strength display as guide. Move your radio around and position to give maximum number of black rectangles on signal strength display. The clear unfilled rectangle indicates minimum signal level required for satisfactory reception.

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

Presetting stations

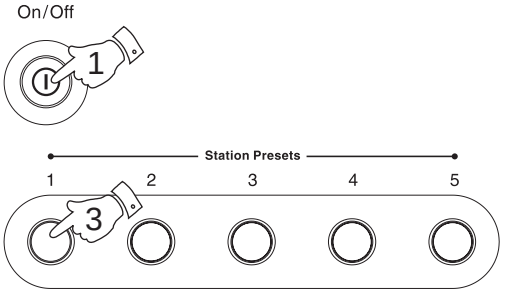
There are 5 memory presets.

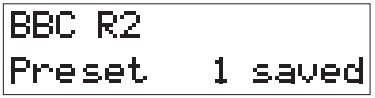
1. Press the ***On/Off button*** switch on the radio.

2. Tune to the required station as previously described.

3. Press and hold down the required ***Preset button*** until the display shows e.g. Preset 1 stored. The station will be stored under the chosen preset button. Repeat this procedure for the remaining presets.

4. Stations stored in preset memories may be overwritten by following the above procedure.

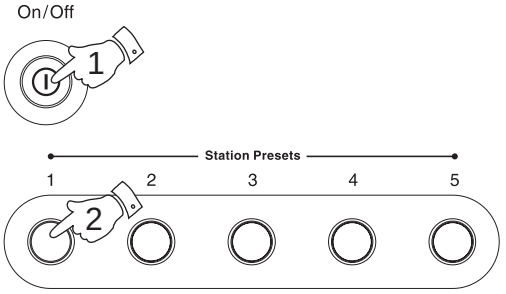




Recalling a preset station

1. Press the ***On/Off button*** to switch on your radio.

2. Momentarily press the required ***Preset button***, your radio will tune to the station stored in preset memory.



Dynamic Range Control (DRC) settings

DRC can make quieter sounds easier to hear when your radio is used in a noisy environment.

1. Press the ***On/Off button*** to switch on your radio.

2. Press and hold in the ***Info button*** until display shows “Software.” Release the ***Info button***.

3. Press ***Tuning UP button*** to select DRC value setting .

4. Press the ***Select button*** to enter adjustment mode .

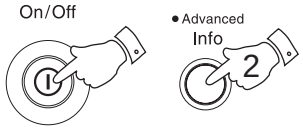
5. Press the ***Tuning Up/Down buttons*** to select required DRC setting (default is 0) .

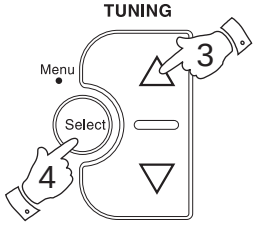
   DRC 0 DRC is switched off , Broadcast DRC will be ignored .

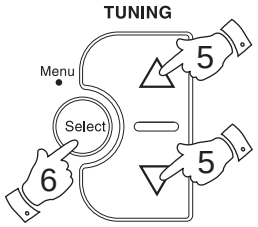
   DRC 1/2 DRC level is set to 1/2 that sent by broadcaster .

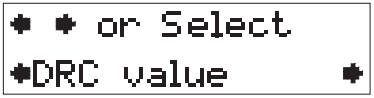
   DRC 1 DRC is set as sent by broadcaster .

6. Press and release the ***Select button*** to confirm the setting . The display will return to radio mode.









Display backlight

1. The display backlight will be switched on for approximately 12 seconds when any button is pressed.

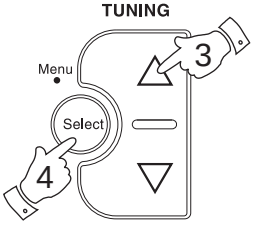
2. When your radio is powered by the AC adaptor the display backlight will always be switched on.

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. Switch off your radio

2. Switch on your radio - press and hold down the ***Info button*** until the display shows Software.



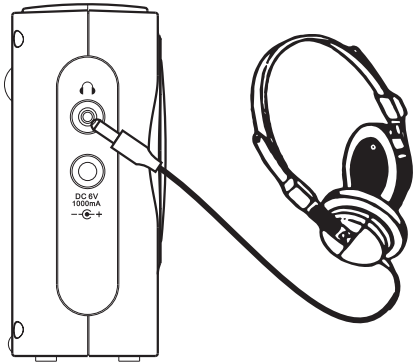
3. Repeatedly press and release the ***Tuning Up button*** until the display shows Factory reset.

4. Press the ***Select button*** The display will show Press SELECT to confirm . . . Press the ***Select button*** to confirm. A full reset will be performed all presets and station lists will be erased. A quick scan of UK DAB band III frequencies will be carried out.

   If a problem persists our technical staff would be pleased to offer any assistance on operating the radio. Our technical helpline number is 020 8758 0338.

Headphone socket

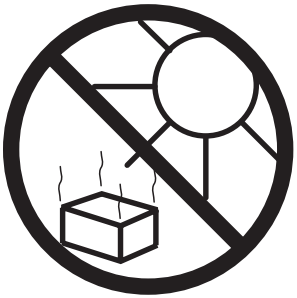
A 3.5mm ***Headphone Socket*** located on the right-hand end of you radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.

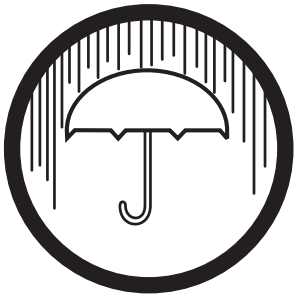


If you need any further advice, please call our Technical Helpline on :-
020 8758 0338 (Mon-Fri)

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.





Specifications

Power Requirements

AC adaptor	AC 230 volts, 50Hz ∿ only
Batteries	4 x LR20 (D size)

Battery Life

Approx. 30 hours of listening for 4 hours a day at normal volume using alkaline cells.

Frequency Coverage

DAB 174.928 - 239.200MHz

Circuit Features

Loudspeaker	75mm 4ohms
Output Power	800mW into 4ohms
Headphone socket	3.5mm dia
Aerial System	
	Telescopic aerial

Guarantee

This instrument is guaranteed for twelve months from the date of delivery to the original owner against failure due to faulty workmanship or component breakdown, subject to the procedure stated below. Should any component or part fail during this guarantee period it will be repaired or replaced free of charge.

The guarantee does not cover:

1. Damage resulting from incorrect use.
2. Consequential damage.
3. Receivers with removed or defaced serial numbers.

N.B. Damaged or broken telescopic aerials will not be replaced under guarantee.

Procedure:

Any claim under this guarantee should be made through the dealer from whom the instrument was purchased. It is likely that your Roberts' dealer will be able to attend to any defect quickly and efficiently, but should it be necessary the dealer will return the instrument to the company's service department for attention. In the event that it is not possible to return the instrument to the Roberts' dealer from whom it was purchased, please contact Roberts Radio Technical Services at the address shown below.

ROBERTS RADIO TECHNICAL SERVICES

97-99 Worton Road

Isleworth Middlesex

TW7 6EG

Issue 2

CE