

# ROBERTS

## eco4 Bt

DAB / DAB+ / FM RDS Bluetooth digital radio



**DAB**  
Digital Audio Broadcasting

**DAB+** **+** Digital  
Radio

 **Bluetooth™**

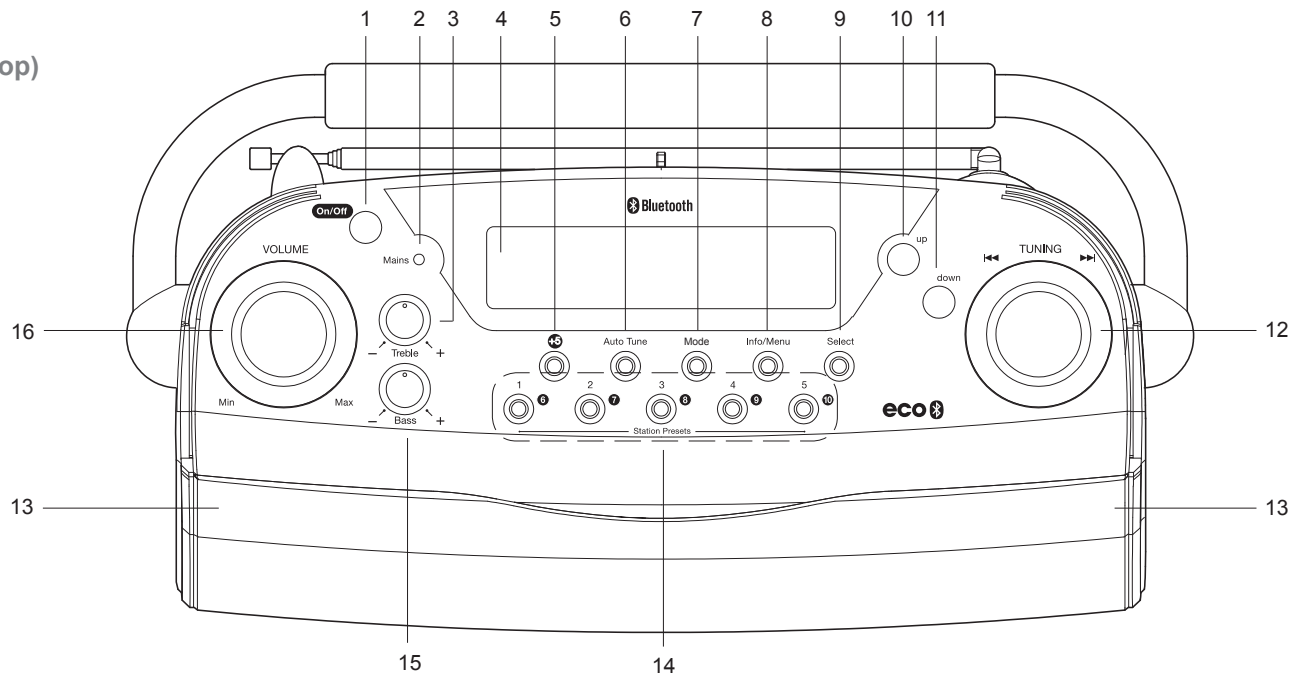
Please read this manual before use

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## Controls

(Top)

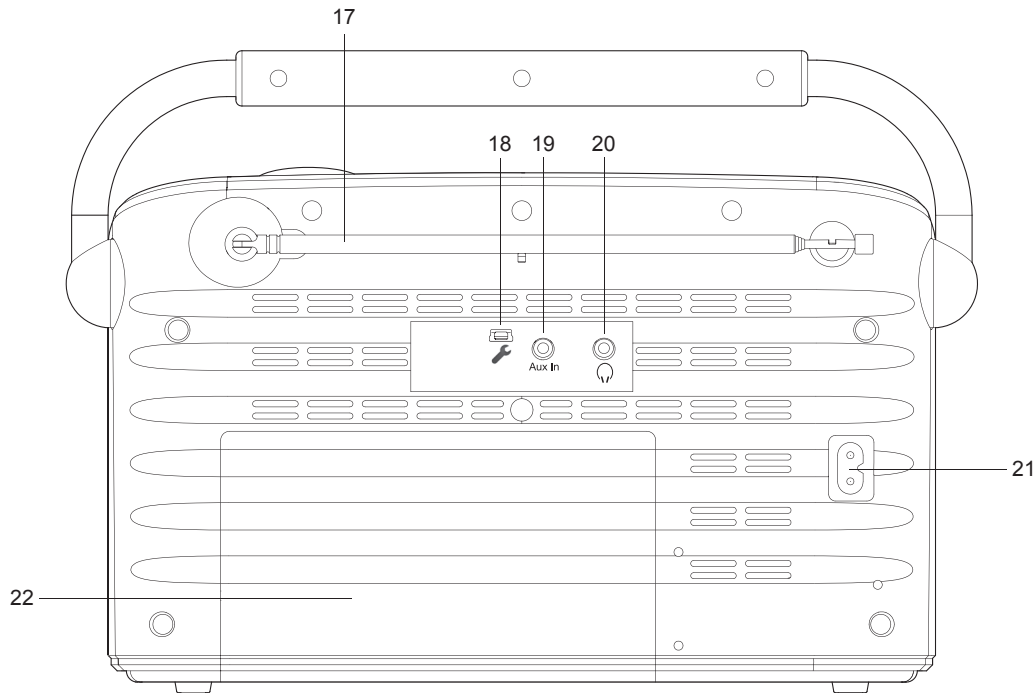


1. On / Off button
2. Mains LED indicator
3. Treble control
4. LCD display
5. + 5 button
6. Auto Tune button

7. Mode button
8. Info / Menu button
9. Select / Play/Pause button
10. Tuning Up / Next button
11. Tuning Down / Previous button

12. Tuning / Next / Previous control
13. Speakers x 2
14. Station Preset buttons
15. Bass control
16. Volume control

## Controls (rear)



- 17. Telescopic aerial
- 18. USB socket (for service use only)
- 19. Auxiliary Input socket
- 20. Headphone socket
- 21. Mains Input socket
- 22. Battery compartment

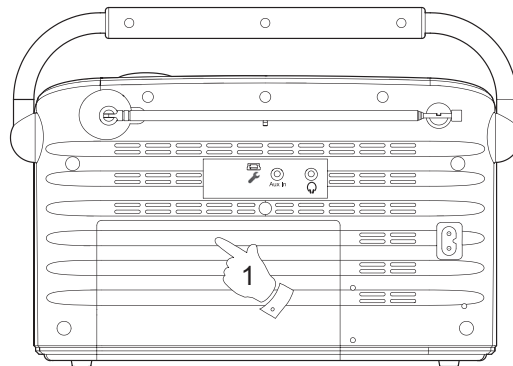
**Note:** When the Auxiliary Input socket is not in use you must ensure that nothing is plugged into the socket in order to enable use of the DAB, FM and Bluetooth operating modes of your radio.

## Battery operation

1. Remove the **Battery cover** on the rear of the unit by pushing the battery door in and downwards.
2. Insert six LR20 (D 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 battery cover.
3. 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 eco4 Bt is used via the mains whenever possible with battery operation for occasional use only.

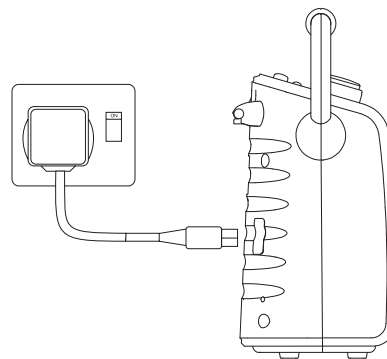
**IMPORTANT:** The batteries should not be exposed to excessive heat such as sunshine, fire or the like. After use, disposable batteries should if possible be taken to a suitable recycling centre. On no account should batteries be disposed of by incineration.




## Mains operation

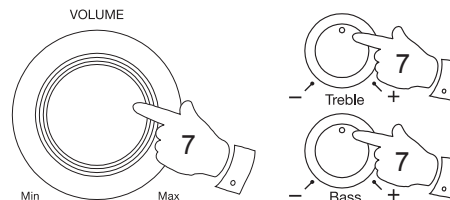
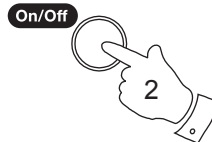
1. Place your radio on a flat surface.
2. Plug the mains lead into the **Mains Input** socket located on the rear of your radio ensuring that the plug is pushed fully into the socket.
3. Plug the other end of the mains lead into the wall socket and switch on the wall socket. The **mains LED** will light. Whenever the mains is used the batteries are automatically disconnected.

**IMPORTANT:** The mains plug is used as the means of connecting the radio to the mains supply. The mains socket used for the radio must remain accessible during normal use. In order to disconnect the radio from the mains completely, the mains plug should be removed from the mains socket outlet completely.



## Operating your radio - DAB

1. Carefully extend the telescopic aerial. The aerial should be fully extended and positioned vertically for optimum reception.
2. Press and release the **On/Off** button to switch on your radio. The display will show 'WELCOME' for a few seconds. After each use the radio will remember the mode used and then switch on in that mode the next time that it is used.
3. If this is the first time the radio is used a scan of the Band III DAB channels will be carried out. This is known as 'Auto tune'. If the radio has been used before the last used station will be selected.
4. During Auto tune each group of stations will be detected and the station count will be updated.
5. When the Auto tune is completed the first station (in numeric-alpha order 0...9...A...Z) will be selected. The first station in the list of stations found will be played.
6. If no stations are found then 'OFF AIR' will be displayed and it may be necessary to relocate your radio to a position giving better reception. You should then carry out an auto tune to find stations as described on page 9 (see *Finding new stations* on page 9).
7. Adjust the **Volume**, **treble** and **bass** controls to the required setting.
  - Your radio has an indicator  on the display to indicate the strength of the DAB radio signal being received.

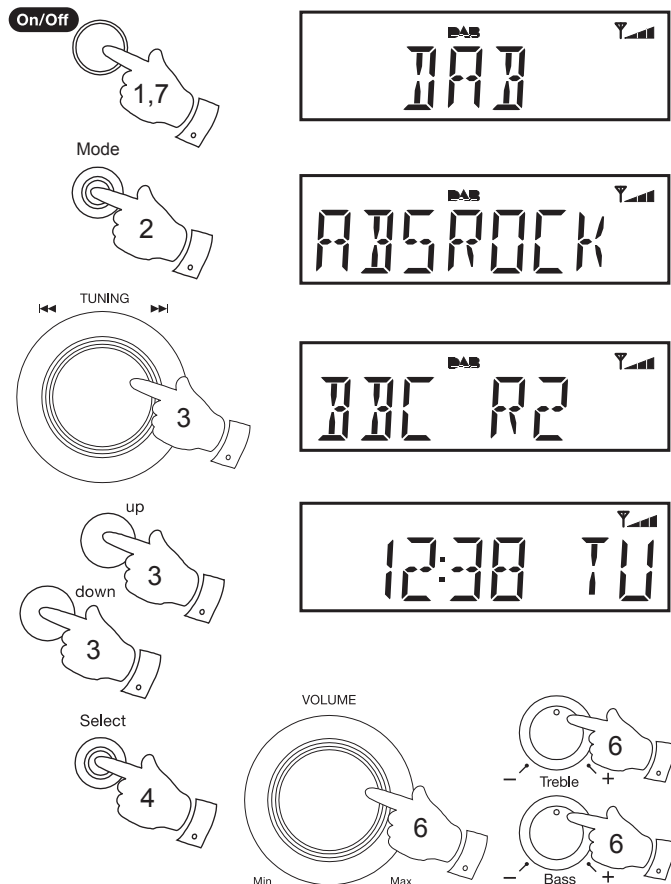


## Selecting a station - DAB

1. Press and release the **On/Off** button to switch on your radio.
2. Press and release the **Mode** button until the 'DAB' mode is selected. The display will then show the name of the radio station currently selected.
3. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons to step through the list of available stations.
4. When the desired station name appears on the display, press and release the **Select** button to select the station. The radio will select the new station.
5. Approximately 20 seconds after tuning to a new radio station the display will revert to showing the current time and day.
6. Adjust the **Volume**, **treble** and **bass** controls to the required setting.
7. To switch off the radio press and release the **On/Off** button.

The use of station presets for selected radio stations is described on page 19.

**Note:** If after selecting a station the display shows 'OFF A/R' it may be necessary to relocate your radio to a position giving better reception.



## Display options - DAB

Your radio has a range of display options when in DAB mode:-

1. Press and release the **Info / Menu** button to cycle through the various options.

All display options except the scrolling text display will revert to the clock display after about 20 seconds.

Info/Menu



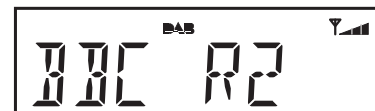
a



b



c



d



e



- |                   |   |
|-------------------|---|
| a. Time and day   | Displays the current time and day of the week.                                    |
| b. Date           | Displays the current date.  |
| c. Station name   | Displays the name of the DAB station being listened to.                           |
| d. Scrolling text | Displays scrolling text messages such as artist/track name, phone in number, etc. |
| e. Programme type | Displays the type of station being listened to e.g. Pop, Classic, News, etc.      |



## Display options DAB - cont

f. Multiplex Name      Displays the name of the DAB multiplex to which the current station belongs.



g. Frequency      Displays the frequency for the currently tuned DAB station.



h. Bit rate      Displays the digital audio bit rate for the currently tuned DAB station.



i. Signal strength      Displays the signal strength for the station being listened to. The minimum signal marker shows the minimum signal strength required for clear DAB reception.



## Finding new stations - DAB

As time passes new stations may become available or you may have moved to a different part of the country. In this case you may need to cause your radio to scan for new stations.

1. Press and release the **On/Off** button to switch on your radio.
2. If needed, press and release the **Mode** button until the DAB mode is selected.
3. Press and release the **Auto Tune** button. Your radio will perform a scan of the Band III DAB channels. 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.
4. Alternatively to scan for stations, press and hold the **Info/Menu** button. The DAB menu will show on the display.
5. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until the display shows 'SCAN'.
6. Press and release the **Select** button. Your radio will perform a scan of the Band III DAB channels.

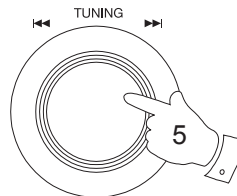
Mode



Auto Tune



Info/Menu

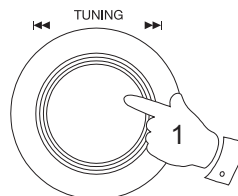


Select



## 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 then the secondary service will then appear immediately after the primary service as you rotate the **Tuning** control or press and release the **Tuning Up** button.
2. To tune to the secondary service, press and release the **Select** button. Most secondary services do not broadcast continually and if the selected service is not available, the radio will re-tune to the associated primary service.

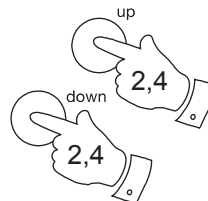
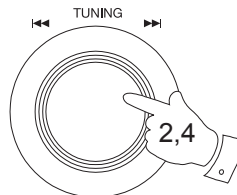


## Manual tuning - DAB

Manual tuning allows you to tune your radio to a particular DAB frequency in Band III. Any new stations found will be added to the station list. This function can also be used to assist the positioning of the aerial or the radio to optimise reception for a specific channel or frequency.

1. Press and hold the **Info/Menu** button. The DAB menu will show on the display.
2. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until the display shows 'MANUAL'.
3. Press and release the **Select** button to enter the manual tune mode.
4. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons to select the desired DAB channel.
5. Press and release the **Select** button to tune to the chosen frequency.
6. If a signal is present, this will be indicated on a signal strength display. The minimum signal marker (|) shows the minimum signal strength needed for good DAB reception. The signal indicator chevrons go up or down showing the changing signal strength as you adjust the aerial or your radio position.
7. Press and release the **Select** button again to return to the frequency option. You may then tune to another DAB channel or alternatively press and release the **Menu** button to exit manual tuning.

Info/Menu



Select



## Dynamic Range Control (DRC) - DAB

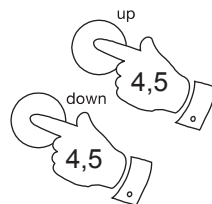
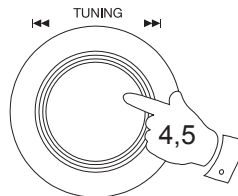
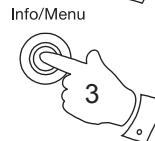
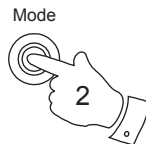
The DRC facility can make quieter sounds easier to hear when your radio is used in a noisy environment.

There are three levels of compression:

- DRC 0 No compression applied. (default)
- DRC 1/2 Medium compression applied.
- DRC 1 Maximum compression applied.

1. Press and release the **On/Off** button to switch on your radio.
2. Press and release the **Mode** button until the DAB mode is selected.
3. Press and hold the **Info/Menu** button. The DAB menu will show on the display.
4. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'DRC' appears on the display. Press and release the **Select** button. The display will show the current DRC value.
5. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons to select the required DRC setting (default is 0).
6. Press and release the **Select** button to confirm the setting. After several seconds the display will return to the normal radio 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.



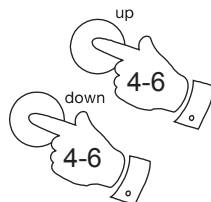
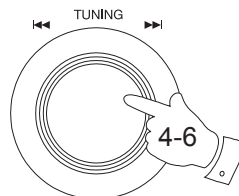
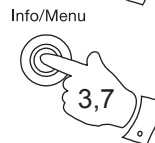
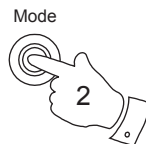
## Prune stations - DAB

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.

Stations which cannot be found or which have not been received for a very long time are shown in the station list with a question mark.

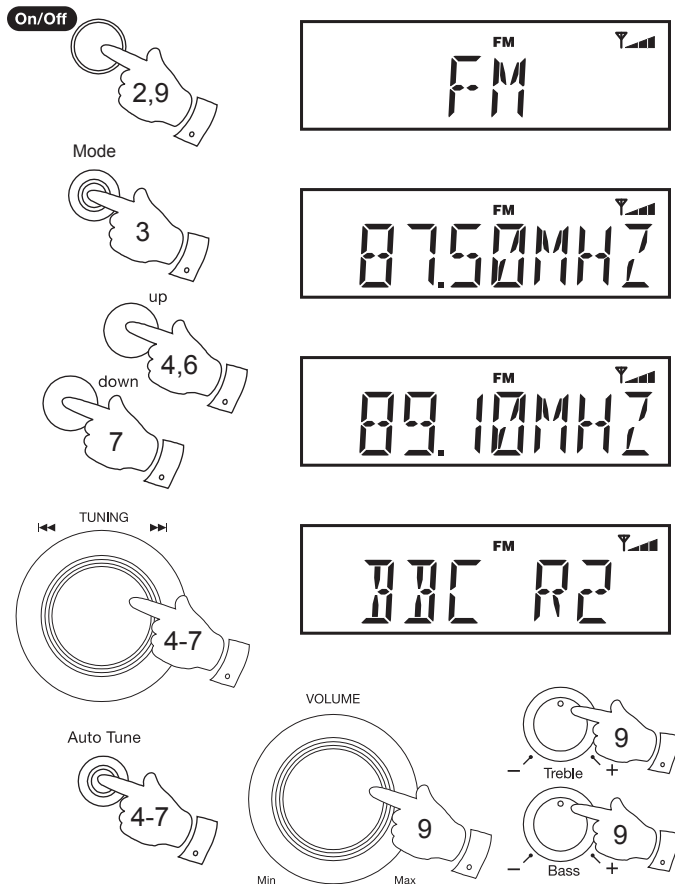
1. Press and release the **On/Off** button to switch on your radio.
2. Press and release the **Mode** button until the DAB mode is selected.
3. Press and hold the **Info/Menu** button. The DAB menu will show on the display.
4. Rotate the **Tuning** control or press and release the **Tuning Up or Down** buttons until 'PRUNE' appears on the display. Press and release the **Select** button.
5. Rotate the **Tuning** control or press and release the **Tuning Up or Down** buttons to select 'Y'. Press and release the **Select** button to cause the stations list to be pruned, eliminating unavailable stations.
6. If you do not wish to prune stations select 'N' in step 5 and then press and release the **Select** button. The display will revert back to the previous display.
7. Press and release the **Info/Menu** button to return to normal playing display.

**Note:** If you have moved to a different part of the country you should also carry out a search for new stations (please see the section 'Finding new stations' on page 9).



## Operating your radio - FM auto-tune

1. Carefully fully extend the telescopic aerial located on the rear of your radio.
2. Press and release the **On/Off** button to switch on your radio.
3. Press and release the **Mode** button until the FM mode is selected.
4. Press and hold the **Tuning Up** button for 2 seconds or rotate the **Tuning** control clockwise and then press and release the **Auto Tune** button to cause your radio to search from low frequency to high frequency and to 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 press and hold the **Tuning Up** button for 2 seconds or press and release the **Auto Tune** button as before.
7. Press and hold the **Tuning Down** button for 2 seconds or rotate the **Tuning** control anti-clockwise and then press and release the **Auto Tune** button to cause your radio to search from high frequency to low frequency and to stop automatically when it finds a station of sufficient strength.
8. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.
9. Adjust the **Volume**, **treble** and **bass** to the required settings. To switch off your radio, press and release the **On/Off** button.



## Manual tuning - FM

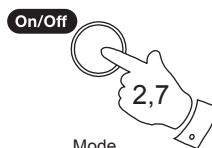
1. Carefully fully extend the telescopic aerial located on the rear of your radio.
2. Press and release the **On/Off** button to switch on your radio.
3. Press and release the **Mode** button until the FM mode is selected.

4. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons to tune to a station. The frequency will change in steps of 50kHz.

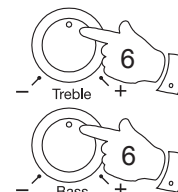
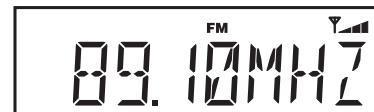
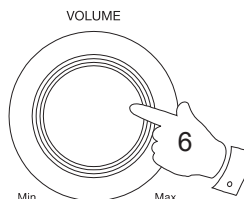
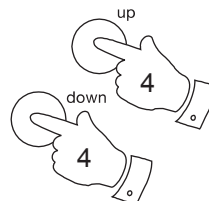
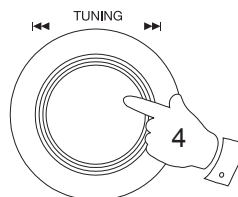
If the radio is tuned to a station of sufficient signal strength with RDS information present, then the display may change to show the station name.

5. When the waveband end is reached the radio will recommence tuning from the opposite waveband end.
6. Set the **Volume**, **treble** and **bass** to the desired setting.
7. To switch off your radio press and release the **On/Off** button.

If you find that an FM broadcast has a lot of background hiss, this may often be reduced by setting the radio into Mono reception mode for the current FM station. Please refer to the section 'Stereo / Mono setting - FM' on page 18 for further details.



Mode





## Display options - FM

Your radio has a range of display options for the FM mode:-

The Radio Data System (RDS) is a system in which inaudible digital information is transmitted in addition to the normal FM radio programme. RDS offers several useful features. The following are available on your radio.



1. Press and release the **Info/Menu** button to cycle through the various options. All display options except the text display will revert to the clock display after about 20 seconds.

- |                   |   |
|-------------------|---|
| a. Time and day   | Displays the current time and day.  |
| b. Date           | Displays current date.  |
| c. Station name   | Displays the name of the radio station being listened to.                         |
| d. Scrolling text | Displays scrolling text messages such as artist/track name, phone in number, etc. |
| e. Programme type | Displays type of station being listened to e.g. Pop, Classic, News, etc.          |
| f. Audio mode     | Displays the audio mode for the station being listened to.                        |

**Note:** If no RDS information is available, the radio will be unable to display the station name, scrolling text and programme type information.

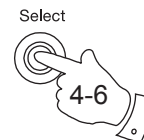
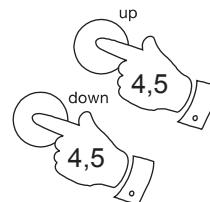
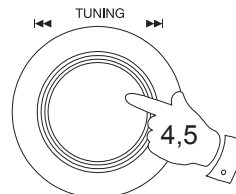
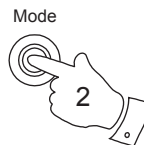


## Scan sensitivity setting - FM

Your radio will normally scan for FM broadcasts which are strong enough to give good reception. However, you may wish the Auto-scan function to also be able to find weaker signals, possibly from more distant radio transmitters. Your radio includes a local / distant option for the Auto-scan function.

1. Press and release the **On/Off** button to switch on your radio.
2. Press and release the **Mode** button until the FM mode is selected.
3. Press and hold the **Info/Menu** button. The FM menu will show on the display.
4. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'SCAN' shows on the display. Press and release the **Select** button.
5. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons to switch between 'LOCAL' and 'DISTANT' options on the display. The Distant option will allow the radio to find weaker signals when scanning.
6. Press and release the **Select** button to confirm your selection. The radio will then revert to the normal information display. The Local or Distant setting is stored in the radio and remains in force until changed or until a System Reset.

**Note:** The initial setting (out of the box, or after a System Reset) causes the radio to ignore weaker (or more distant) signals.



## Stereo / Mono setting - FM

Your radio will play stereo broadcasts in stereo so long as the received signal is of adequate strength. However, as a stereo signal becomes weaker the audio signal will become poorer. It may be preferable to force the radio to play the station in mono in order to reduce the level of audio noise.

1. If the FM radio station being received is weak some hiss may be audible. To reduce the hiss press and release the **Select** button until the display shows 'MONO'. Your radio will switch to mono mode.
2. To return to stereo mode press and release the **Select** button until the display shows 'STEREO'. Your radio will switch to stereo mode. The radio will play the current station in stereo if the signal is sufficiently strong.

Select

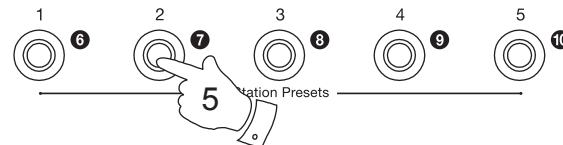
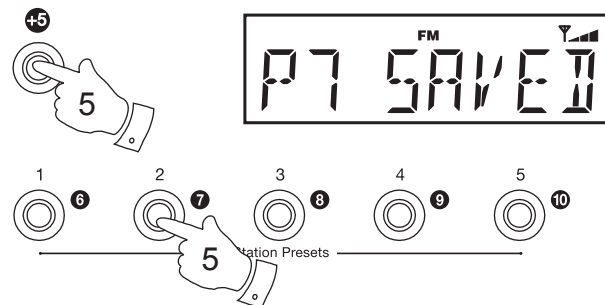
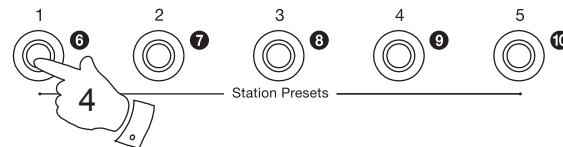
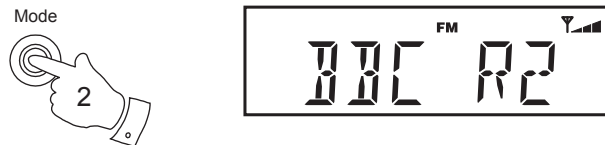


## Presetting stations

You may store your preferred DAB and FM radio stations to the preset station memories. There are 20 memory presets in your radio, 10 for DAB and 10 for FM. Presets are remembered by your radio in the event of a power failure.

The procedure for setting presets and using them to tune stations is the same for FM and DAB modes, and is described below.

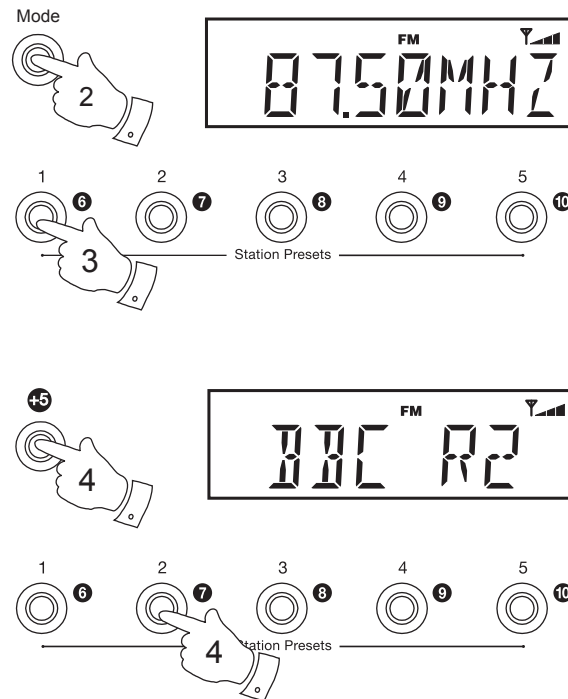
1. Press and release the **On/Off** button to switch on the radio.
2. Press and release the **Mode** button to select either the FM or DAB mode.
3. Tune to the required station as previously described.
4. Press and hold down the required **Preset** button until the display shows e.g. '**P1 SAVED**'. The station will be stored under the chosen preset button. Repeat this procedure for the remaining presets.
5. Presets 6 to 10 are obtained by pressing and holding **+5 button** together with the **Preset** button **1** to **5**. e.g. preset 7 can be set by pressing and holding **+5 button** together with **Preset** button **2** until the display shows '**P7 SAVED**'.
6. Stations which have been stored in preset memories may be overwritten by following the above procedure.



## Recalling a preset station

1. Press and release the **On/Off** button to switch on the radio.
2. Press and release the **Mode** button to select either the FM or DAB mode.
3. Press and release the required **Preset** button. Your radio will tune to the station stored in preset memory. The display will show 'EMPTY' if no station has been stored to that preset. If a preset has been stored, then the display will show either the station name (for DAB stations) or the frequency (for FM stations).
4. Presets 6 to 10 are obtained by pressing and holding **+5 button** and pressing and releasing the Preset button **1** to **5**. e.g. preset 7 can be recalled by pressing and holding **+5 button** followed by pressing and releasing **Preset 2** button.

**Note:** The display will show 'EMPTY', if no station has been stored to that preset.



## Bluetooth mode

The Bluetooth mode on your radio allows you to play audio, play sound from video files and stream music from Bluetooth capable devices such as your mobile phone, computer, tablet etc. through your radio's loudspeaker.

- When a Bluetooth enabled device such as your eco4 Bt radio is in a 'discoverable' state other Bluetooth devices can detect, pair with or connect to it.
- 'Bluetooth pairing' occurs when two Bluetooth enabled devices agree to establish a connection and communicate with each other.
- ***Your radio will flash the Bluetooth indicator on the display when it is discoverable or when it is trying to connect to a previously paired Bluetooth device. When a device is paired with and connects to your radio, the Bluetooth indicator light on the display will remain lit.***

Bluetooth connectivity performance may vary depending on the connected Bluetooth devices. Please refer to the Bluetooth capabilities of your device before connecting to your radio. All features may not be supported on some paired Bluetooth devices.

A Bluetooth connection can provide a link for audio up to a distance of approximately ten metres. When pairing two Bluetooth enabled devices, for convenience, we recommend they should be no more than 2 to 3 metres apart. The presence of other functioning Bluetooth devices during connection may lead to operational difficulties.

Bluetooth is a short-range radio communication system and generally Bluetooth devices can communicate with each other clearly within a regular sized room or office. The reliability of a Bluetooth connection between different rooms will greatly depend upon the construction of the building.

Bluetooth communication range may be substantially reduced if the signal passes through a solid object. Human bodies, brick and concrete walls, heavy furniture or bookcases will all reduce the operational range of your Bluetooth devices to a greater or lesser extent. Glass, dry-wall or wood paneled walls and office partitions may have a less severe but noticeable effect. Metal pipes, foil-lined plasterboard, metal window frames and domestic wiring can also have an effect. You should position your Bluetooth devices closer to each other if you observe communication difficulties.

WiFi networks and cordless phones generally use similar radio frequencies to Bluetooth and may interfere with one another. If any interference is noticed, then try relocating the radio or one of the other devices.

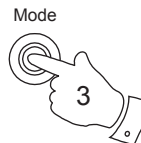
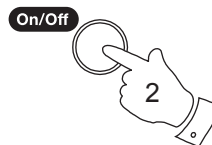
The Bluetooth capabilities of your radio allow it to receive audio from many Bluetooth capable devices including mobile phones, personal computers and tablets. Only one Bluetooth device can be connected to your radio at a time. It supports the following Bluetooth profiles and functionality.

- Your radio supports A2DP (Advanced Audio Distribution Profile) which is a stereo audio connection that streams stereo music from PCs, mobile phones etc. SBC and AAC audio codecs are supported.
- Your radio supports AVRCP (Audio Video Remote Control Profile) which allows your radio to control music playback from the connected device.

**Note:** Some mobile phones may temporarily disconnect from your radio when you make or receive calls. Some devices may temporarily mute their Bluetooth audio streaming when they receive text messages, emails or for other reasons unrelated to audio streaming. Such behaviour is a function of the connected device and does not indicate a fault with your radio.

## Connecting Bluetooth devices

1. Ensure that the Bluetooth capability on your phone, tablet or PC is enabled. You may need to refer to the user documentation for your device, since the method will vary with each device.
  2. Press and release the **On/Off** button to switch on the radio.
  3. Press and release the **Mode** button on your radio until the Bluetooth mode is selected. Your radio will show that it is 'discoverable' by flashing the **Bluetooth indicator** on the display.
  4. Using the Bluetooth settings of your phone, tablet or PC direct it to search for 'discoverable' devices. After a few seconds, you should see a device named '*ECO4 BT*'. Just occasionally it may take longer for the radio to be found by your device.
  5. Select '*ECO4 BT*' to cause your phone, tablet or PC to pair with your radio and to establish a connection.
  6. Once the connection is established, the **Bluetooth indicator** on the radio's display will stop flashing and will remain lit. The name of the connected device will be displayed on the radio.
- You can now begin playing music from your smart-phone, tablet etc.



Some Bluetooth devices may require a 'Passkey' (an authentication key) in order to establish a link between devices. A passkey is similar to a password, although you only need to use the passkey once to establish a link. If your device asks for a passkey to be able to pair with your radio then enter a code of 0000 (four zeroes).

## Playing audio files in Bluetooth mode

When you have successfully connected your radio with your chosen Bluetooth device you can start to play your music using the controls on the device.

1. Once playing has started adjust the volume to the required setting using the **Volume** controls on your radio and on the connected device.

2. The volume of your radio in Bluetooth mode is affected by the volume settings on the radio and also on the connected Bluetooth device.

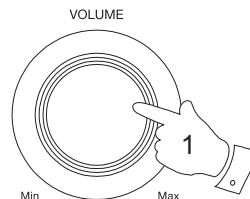
If you adjust the volume control on the radio but you find that the volume from the radio is not sufficient, it may be that the volume setting of the connected device needs to be increased.

3. Adjust the **treble** and **bass** controls to the required setting on your radio.

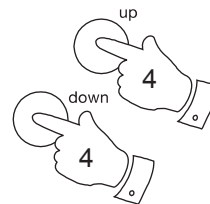
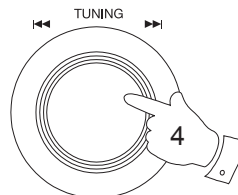
4. The audio player in your phone, tablet or PC may be able to respond to the **Play/Pause**, **Next** track and **Previous** track control on the radio. To play or pause the audio press and release the **Select** button. To access the next or previous track, either press and release the **Tuning Up** or **Down** buttons or rotate the **Tuning** control clockwise or anti-clockwise as required. Press and hold the **Tuning Up** or **Down** buttons to fast-forward or rewind the current track.

**Note:** That not all player applications or devices may respond to all of these controls.

5. If your connected device is able to provide information from the track being played, you may press and release the **Info/Menu** button to display the Title, Artist and Album details on the display as well as audio information, time and date. See 'Display options' page 26.



Select



Info/Menu





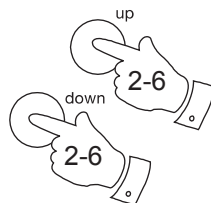
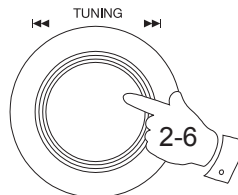
## Connecting and disconnecting a Bluetooth device

You can only have one Bluetooth device connected to your radio at any one time although it may be paired with several devices.

Once you have a Bluetooth enabled device connected to your radio it cannot be interrupted by another Bluetooth device unless you choose to break the connection.

1. To connect to a new device or to disconnect from the current device, press and hold the **Info/Menu** button on the radio.
2. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'PAIRING' shows on the radio's display.
3. Press and release the **Select** button. The radio will disconnect from your device and then will become 'discoverable' by other devices. The **Bluetooth indicator** will flash on the screen. The radio will remain discoverable while the indicator continues to flash.
4. You may then pair your radio with a new device using its Bluetooth settings (the radio will be listed as 'ECO4 BT'). The name of the newly connected device will be briefly shown on the radio's display. You may then play your music from the new device through the radio.
5. To connect to a previously paired device, press and hold the **Info/Menu** button on the radio to access the menu options.
6. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until the display shows 'DEV LIST'. Press and release the **Select** button to enter the list of previously connected devices.

Info/Menu

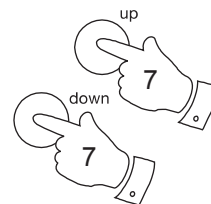
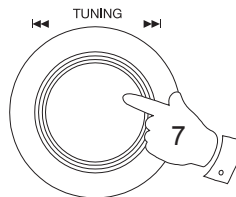


Select



## Connecting and disconnecting a Bluetooth device cont.

7. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons to step through a list of previously connected devices.
8. To connect to a previously paired device press and release the **Select** button when the device's name is displayed. The radio will then connect to the device. If automatic reconnection fails, then you will generally be able to connect simply by selecting the '*ECO4 BT*' pairing in your device's Bluetooth settings.
9. If you no longer want your Bluetooth device to be paired with your radio you will need to delete the '*ECO4 BT*' pairing on the device. Please refer to the device's Bluetooth documentation.



## Display options - Bluetooth mode

Your radio has a range of display options when in Bluetooth mode:-

Info/Menu



1. Press and release the **Info/Menu** button to cycle through the various options.

- |                          |   |
|--------------------------|---|
| a. Device name           | Displays the name of your device.   |
| b. Track title           | Displays the title of the track currently playing.  |
| c. Artist                | Displays the artist information for the track currently playing.                            |
| d. Album                 | Displays the album information for the track currently playing.                             |
| e. Status                | Displays the playback status of the current track.  |
| f. Codec & sampling rate | Displays the Bluetooth audio format and sampling rate used for the currently playing track. |
| g. Time and day          | Displays the current time and day of the week.  |
| h. Date                  | Displays the current date.  |

a

JUL'S IPO

b

IN A HER

c

ELSA MIL

d

WALKING

e

PLAYING

f

AAC 44K

g

12:30 TU

h

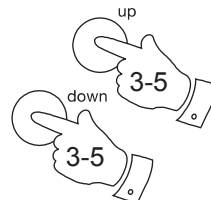
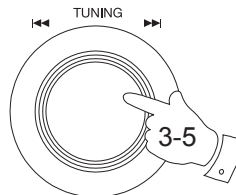
26-05-15

## Software version

The software display cannot be altered and is just for your reference. Ensure your radio is switched on.

1. Press and release the **On/Off** button to switch on your radio.
2. Press and hold the **Info/Menu** button.
3. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'SYSTEM' shows on the display.
4. Press and release the **Select** button.
5. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'SW VER' shows on the display.
6. Press and release the **Select** button. The display shows the software information.
7. Press and release the **Info/Menu** button to exit the software display.

Info/Menu



Select

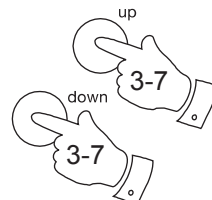
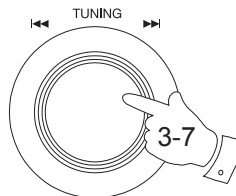


## Language function

Your radio's menus can be configured to a different language. Ensure your radio is switched on.

1. Press and release the **On/Off** button to switch on your radio.
2. Press and hold the **Info/Menu** button.
3. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'SYSTEM' shows on the display.
4. Press and release the **Select** button.
5. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'LANGUAGE' appears on the display.
6. Press and release the **Select** button to enter the language adjustment menu.
7. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until your desired language appears on the display.
8. Press and release the **Select** button to confirm your choice. The display will change to the chosen language.

Info/Menu



Select



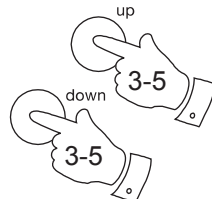
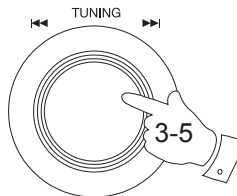
## System reset

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 release the **On/Off** button to switch on the radio.
2. Press and hold the **Info/Menu** button.
3. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'SYSTEM' shows on the display. Press and release the **Select** button.
4. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'RESET' shows on the display. Press and release the **Select** button.
5. Rotate the **Tuning** control or press and release the **Tuning Up** or **Down** buttons until 'Y' appears on the display. If you do not wish to carry out a system reset, highlight 'N' and then press and release the **Select** button. The display will revert to the previous display.
6. With 'Y' displayed, press and release the **Select** button. A full reset will be performed. The station list and presets will be erased. Settings will be set to their default values. The radio will then restart as when first plugged in (see also page 5).

In the event of a malfunction due to electrostatic discharge, mains power supply transients or short interruptions, reset the product as above to resume normal operation. If you are not able to perform the reset operation as above, removal and reconnection of the power supply and batteries may be required.

Info/Menu



Select



## Headphone socket

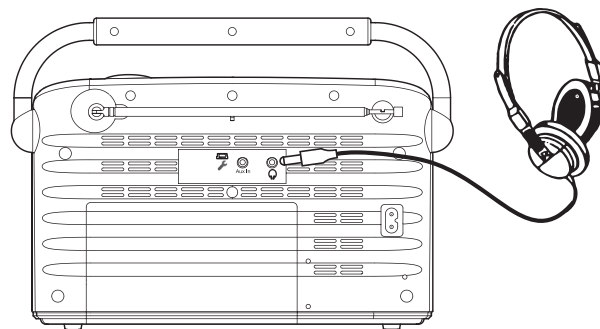
A 3.5mm **Headphone Socket** located on the rear of your radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.

Please be aware that the sensitivity of headphones can vary widely. We therefore recommend setting the volume to a low level before connecting headphones to the radio.

**IMPORTANT:** Excessive sound pressure from earphones and headphones can cause hearing loss.



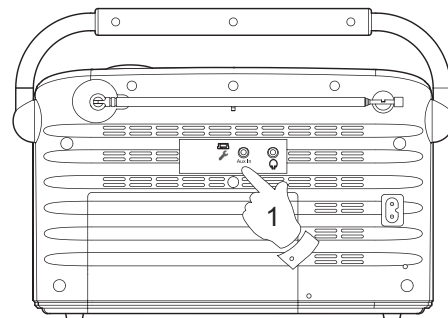
To prevent possible hearing damage, do not listen at high volume levels for long periods.



## Auxiliary input socket

1. Connect a stereo or mono audio source (i.e. CD player, MP3 player, etc.) to the **Auxiliary input** socket.
2. Press and release the **On/Off** button to switch on the radio.
3. Press and release the **Mode** button until the display shows 'AUX IN'.
4. Adjust the **Volume** control on your player and on the radio for comfortable listening.

Mode



**Note:** You must remove the lead from the auxiliary input socket to allow use of the other operating modes of your radio.

## Mains supply


The radio will operate from a supply of AC 230 volts, 50Hz ~ only.

**DO NOT cut off the mains plug from this equipment.** If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adaptor. If in doubt consult your dealer.

If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied with a mains plug, or one has to be fitted, then follow the instructions given below:

### IMPORTANT

**DO NOT** make any connection to the larger terminal which is marked with the letter E or by the safety earth symbol  or coloured Green or Green-and-yellow.

The wires in the mains lead are coloured in accordance with the following codes :-

BLUE - NEUTRAL

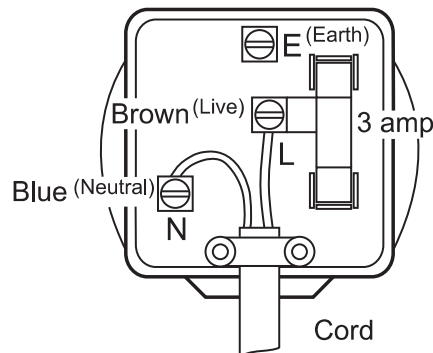
BROWN - LIVE

## USB socket for software upgrades

As software updates become available software and information on how to update your radio may be found at [www.robertsradio.com](http://www.robertsradio.com)

The wire coloured BLUE must be connected to the terminal marked N or coloured BLACK.

The wire coloured BROWN must be connected to the terminal marked L or coloured RED.



### Fuse

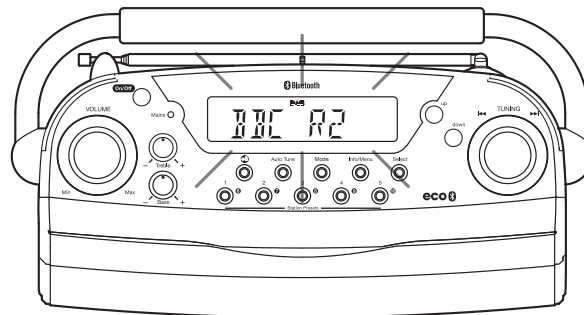
When replacing the fuse only a 3A ASTA approved to BS1362 type should be used and be sure to re-fit the fuse cover.

IF IN DOUBT - CONSULT A QUALIFIED ELECTRICIAN.



## Display backlight

1. When your radio is powered by batteries and switched on the display and button backlights will be on at a very low level in order to conserve energy. They will switch to a higher level of illumination in response to button presses or the use of the tuning control and will revert back to the low level after a period of approximately one minute.
2. When your radio is powered by AC mains and switched on the display and button backlights will be on at the higher level in order to aid visibility.



## Cautions

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 underneath the unit.



- 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.
- The product must be used in a moderate climate.

## Specifications

### Power Requirements

Mains	AC 230V, 50Hz  only
Batteries	6 x LR20 (D size)

### Battery life

Up to 150 hours of listening at normal volume depending on operating mode, when using alkaline cells.

### Frequency Coverage

FM	87.5-108MHz
DAB	174.928 - 239.200MHz

## Circuit Features

Loudspeaker	2 x 79 mm
Output Power	2 x 2.5 Watts

Headphone socket	3.5mm dia
Auxiliary Input socket	3.5mm dia

Aerial System	FM	Telescopic aerial
	DAB	Telescopic aerial

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

## Guarantee

This product is guaranteed for twenty four 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.

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 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.*



*Issue 2*

## **ROBERTS RADIO LIMITED**

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