DAB / DAB+ / FM RDS digital all weather radio

Please read this manual before use
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Controls (front view)

1. Info / Menu button
2. Select button
3. Tuning Up button
4. Tuning Down button
5. Volume Up button
6. Volume Down button
7. Station preset buttons
8. Loudspeaker
9. LCD display
10. Band button
11. On / Off button
12. DAB/FM wire aerial (inside battery compartment)
13. Battery compartment door
14. Battery compartment
15. Bracket holders x 2
16. Swivel hanger/handle
17. DC input socket
18. USB socket for service department use only (inside battery compartment)
Controls (right hand side)

19. Carry strap location x 2
20. Poolside Alarm button
21. LED torch button
22. Torch LED

Battery operation

The use of alkaline batteries is strongly recommended. Other battery types can be used, including Nickel Metal-Hydride (Ni-MH) rechargeable batteries, but these will give very much reduced operating times compared to alkaline batteries. Rechargeable batteries cannot be recharged inside the radio.

1. Release the catch securing the rear battery compartment door of your radio and lift up the battery compartment cover.

2. Insert two 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 and close the rear door and secure the catch.

3. Reduced power, distortion, and a 'stuttering' sound are all signs that the batteries may need replacing. The batteries should be replaced when 'Battery low' shows on the display.

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.

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.
Using the fixing brackets

The radio is supplied with a mounting bracket to allow wall mounting (for example in a bathroom).

1. Use the bracket as a template to mark the hole positions before drilling. Take care to ensure that there are no cables or pipes in the wall near the hole locations.

2. Use screw fixings appropriate to the wall type. Do not overtighten the screws.

3. The radio may be hung on the bracket as shown.

4. The radio can be removed by lifting it off the bracket.

DAB / FM wire aerial (inside battery compartment)

1. Release the catch securing the rear battery compartment door of your radio.

2. Take out the wire DAB / FM aerial and extend and position for the best reception.
Swivel hanger / handle

The multi purpose handle may be used to hang or carry the radio if not using the supplied mounting brackets.

**IMPORTANT**: If the handle is used to hang the radio, make sure that the handle is locked with the loop closed so that the radio cannot fall if it is accidentally knocked.
Operation via an AC adaptor (not supplied)

The AC adaptor for use with your Splash radio should provide 5 volts DC output at 600mA centre pin positive.

1. Insert the adaptor plug into the DC socket located on the left hand side of your radio.

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

- **IMPORTANT:** The mains adaptor 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 adaptor should be removed from the mains socket outlet completely.

- **IMPORTANT:** The Splash radio should not be used with the mains adaptor in a bathroom, shower or poolside environment. Use on batteries only.
Operating your radio

1. Fully extend the wire aerial located on the rear of your radio (inside the battery compartment). Place the wire antenna so that it is as straight as possible extending either above or below the radio.

2. Press the **On / Off** button to switch on your radio. The display will show 'Welcome to Digital Radio'. After a short time the current time will appear on the display.

3. If this is the first time the radio is used a scan of Band III DAB channels may be carried out. If the radio has been used before, the last used station will be selected.

4. When first switched on, the first station in the list of stations found will be played. The display will show the station name on the upper line of the text display and broadcast information on the lower line.

5. If the station list is still empty after the scan operation or if there are no signals found it may be necessary to relocate your radio to a position giving better reception, and then repeat the scan using the Auto-tune facility (see 'Finding new stations' on page 11).

**Note:** that radio station name and frequency displays shown in this user guide may differ from those that you see on your radio. Broadcasters may change radio station names that are transmitted, and the frequencies used for DAB and FM radio stations may not be the same in all parts of the country.
Selecting a station - DAB

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

2. Press and release the **Band** button until the DAB mode is selected. The display will show the name of the radio station currently selected.

3. Press 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 display will show 'Now tuning' while your radio finds the new station.

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

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 press 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.
Display options - DAB

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

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

   a. Scrolling text Displays scrolling text messages such as artist/track name, phone in number, etc.

   b. Programme type Displays the type of station being listened to e.g. Pop, Classic, News, etc.

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

   d. Date Displays the current date.

   e. Channel & frequency Displays the channel number and frequency for the currently tuned DAB station.

![Image of display options]
Display options cont. - DAB

f. Bit rate & audio type
Displays the digital audio bit rate and audio type for the currently tuned DAB station.

g. Signal strength
Displays the signal strength for the currently tuned DAB station. The open block in the signal strength graph shows the minimum signal strength needed for good DAB reception. The signal blocks will go up or down showing the changing signal strength as you adjust the wire aerial or the radio position.

Finding new stations - DAB

From time to time, new DAB radio 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 hold the **Menu** button.

2. Press the **Tuning Up** or **Down** buttons until the display shows 'Scan'.

3. Press and release the **Select** 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.
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. Note that UK DAB stations are located in the range of channels 11B to 12D.

1. Press and hold the **Menu** button.

2. Press the **Tuning Up** or **Down** buttons until the display shows 'Manual tune'.

3. Press and release the **Select** button to enter the manual tuning mode.

4. Press the **Tuning Up** or **Down** buttons to select the desired DAB channel.

5. Press and release the **Select** button. The open block in the signal strength graph shows the minimum signal strength needed for good DAB reception. The signal blocks will go up and down showing the changing signal strength as you adjust the wire aerial or the radio position. Any new radio stations found on the tuned DAB multiplex will be added to the list stored in the radio.

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

Signal strength display - DAB

1. Press and release the **Info** button until the display shows signal strength. The open block in the signal strength graph shows the minimum signal strength needed for good DAB reception. The signal blocks will go up and down showing the changing signal strength as you adjust the wire aerial or the radio position.
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 the **On / Off** button to switch on your radio.

2. Press and release the **Band** button until the DAB mode is selected.

3. Press and hold the **Menu** button.

4. Press 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. Press 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.
Operating your radio - FM auto-tune

1. Fully extend the wire aerial located on the rear of your radio. Place the wire antenna so that it is as straight as possible extending either above or below the radio.

2. Press the **On / Off** button to switch on your radio and press and release the **Band** button until the FM mode is selected.

3. Press and release the **Select** button until 'Auto tune' appears on the display.

4. Press and release the **Tuning Up** 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 release the **Tuning Up** button as before.

7. Press and release the **Tuning Down** 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. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.

8. Adjust the **Volume** to the required setting.

9. To switch off your radio, press the **On / Off** button.

**Note:**

If you find that FM reception is poor, try repositioning the wire aerial, up or down or side to side.
Manual tuning - FM

1. Fully extend the wire aerial located on the rear of your radio. Place the wire antenna so that it is as straight as possible extending either above or below the radio.

2. Press the **On / Off** button to switch on your radio and press and release the **Band** button until the FM mode is selected.

3. Press and release the **Select** button until 'Manual tune' appears on the display.

4. 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** to the desired setting.

7. To switch off your radio press the **On / Off** button.

**Note:**
If you find that FM reception is poor, try repositioning the wire aerial, up or down or side to side.
Display options - FM

Your radio has a range of display options for 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** button to cycle through the various options.

   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. Date Displays the current date.

   d. Frequency Displays the frequency of 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 the On / Off button to switch on your radio.

2. Press and release the Band button until the FM mode is selected.

3. Press and hold the Menu button.

4. Press the Tuning Up or Down buttons until 'FM Scan Zone' shows on the display. Press and release the Select button to enter the scan sensitivity adjustment menu.

5. Press the Tuning Up or Down buttons to switch between 'Local' (Strong stations only) and 'Distant' (All stations) options on the lower line of 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 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.
Presetting stations - DAB and FM

You may store your preferred DAB and FM radio stations to the preset station memories. There are 8 memory presets in your radio, 4 for DAB and 4 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 the **On / Off** button to switch on the radio.

2. Press and release the **Band** button to select the DAB or FM mode.

3. Tune to the required station as previously described.

4. Press and hold the required **Preset** button 1 - 4. The display shows, for example, *'Preset 1 stored'*. The station will be stored under the chosen preset. Repeat this procedure for the remaining presets.

5. Stations which have been 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 the radio.

2. Press and release the **Band** button to select the desired waveband.

3. Press and release the required **Preset** button. The display will show, for example, ‘Preset 2 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. Your radio will tune to the chosen preset station stored in the preset memory.
Timer alarm

The timer alarm facility allows you to set the radio to alert you after a predetermined interval (up to 99 minutes).

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

2. Press and hold the **Menu** button.

3. Press the **Tuning Up** or **Down** buttons until 'System' shows on the display. Press and release the **Select** button.

4. Press the **Tuning Up** or **Down** buttons until 'Egg timer' shows on the display. Press and release the **Select** button.

5. Press the **Tuning Up** or **Down** buttons to select the desired alarm minute. The egg timer will increase in 1 minute increments up to 99 minutes. A further press will cause the alarm timer to be set to 00:00 which will cancel the alarm timer function.

6. Press the **Select** button to confirm the alarm time. The display will exit the timer alarm options. The timer alarm symbol 🕒 will show on the display.

7. When the selected alarm timer has elapsed, the alarm buzzer will sound.

8. To cancel the buzzer when it sounds press the **On / Off** button. To cancel the alarm timer without switching off your radio, choose the '00:00' setting in step 5.
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 the **On / Off** button to switch on your radio.

2. Press and hold the **Menu** button.

3. Press the **Tuning Up** or **Down** buttons until 'System' shows on the display. Press and release the **Select** button.

4. Press the **Tuning Up** or **Down** buttons until 'Sleep' shows on the display. Press and release the **Select** button.

5. Press the **Tuning Up** or **Down** buttons to select the desired sleep time. The options are 15, 30, 45, 60 or 90 minutes. A further press will cause the sleep timer to be set to OFF which will cancel the sleep function.

6. Press the **Select** button to confirm the setting. The display will exit the sleep options. The sleep symbol 🕒 will show on the display. Your radio will switch off after the preset sleep time has elapsed.

7. 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, choose the 'OFF' setting in step 5.
Setting the clock manually

Normally your radio will set its clock automatically using the DAB radio signal. If no DAB signal is available and you need to set the time manually, please follow the procedure shown below.

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

2. Press and hold the **Menu** button.

3. Press the **Tuning Up** or **Down** buttons until ‘System’ appears on the display. Press and release the **Select** button.

4. Press the **Tuning Up** or **Down** buttons until ‘Time’ appears on the display. Press and release the **Select** button.

5. Press the **Tuning Up** or **Down** buttons until ‘Set Time/Date’ appears on the display.

6. Press and release the **Select** button. The hour digits will flash on the display.

7. Press the **Tuning Up** or **Down** buttons to set the desired hour.

8. Press and release the **Select** button. The minute digits will flash on the display.
9. Press the **Tuning Up** or **Down** buttons to set the desired minute.
   - If the radio has been set to use a 12 hour clock format, there will be an option here for setting AM or PM for the clock time.

10. Press and release the **Select** button. The day will flash on the display.

11. Press the **Tuning Up** or **Down** buttons to change the day as needed.

12. Press and release the **Select** button. The month will flash on the display.

13. Press the **Tuning Up** or **Down** buttons to set the current month.

14. Press and release the **Select** button. The year will flash on the display.

15. Press the **Tuning Up** or **Down** buttons to set the current year.

16. Press and release the **Select** button to confirm the clock setting. The display will show 'Time Saved' then exit the menu.
Setting the clock format

The clock display can be set to 12 or 24 hour format. The selected format is then also used when setting the clock time.

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

2. Press and hold the Menu button.

3. Press the Tuning Up or Down buttons until 'System' appears on the display. Press and release the Select button.

4. Press the Tuning Up or Down buttons until 'Time' appears on the display. Press and release the Select button.

5. Press the Tuning Up or Down buttons until 'Time Set 12/24 hour' appears on the display. Press and release the Select button.

6. Press the Tuning Up or Down buttons to select either 12 or 24 hour format. Press and release the Select button to confirm.

If the 12 hour clock format is chosen, the radio will then use the 12 hour clock with an AM or PM indicator on the display.
To return to auto clock set mode

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

2. Press and hold the Menu button.

3. Press the Tuning Up or Down buttons until 'System' appears on the display. Press and release the Select button.

4. Press the Tuning Up or Down buttons until 'Time' appears on the display. Press and release the Select button.

5. Press the Tuning Up or Down buttons until 'Auto update' appears on the display. Press and release the Select button.

6. Press the Tuning Up or Down buttons to choose 'Update from Any', 'Update from DAB', 'Update from FM' or 'No update'. Press and release the Select button.
Poolside alarm

Your radio has a built in alarm buzzer for emergencies. The alarm is to be used if you require help. The poolside alarm can be used with the radio in the on or off position.

1. Press the Poolside alarm button to activate the buzzer.

2. Press the Poolside alarm button again to stop the buzzer.

Poolside LED torch

Your radio has a built in LED torch which can be used to illuminate for a short distance when required. The lamp can be used with the radio in the on or off position.

1. Press the Poolside LED torch button to switch on the torch LED.

2. Press the Poolside LED torch button to switch off the torch LED.
Carrying strap

Your radio is supplied with a carrying strap.

1. The strap is fitted as shown in the diagrams 1-4 below.

2. Ensure that the free end of the strap is completely through the buckle before using the strap to carry the radio.
Software version

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

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

2. Press and hold the **Menu** button.

3. Press the **Tuning Up** or **Down** buttons until ‘System’ appears on the display. Press and release the **Select** button.

4. Press the **Tuning Up** or **Down** buttons until ‘SW version’ appears on the display.

5. Press and release the **Select** button. The software version shows on the display.

6. Press and release the **Menu** button to 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 the On / Off button to switch on your radio.

2. Press and hold the Menu button.

3. Press the Tuning Up or Down buttons until 'System' appears on the display. Press and release the Select button.

4. Press the Tuning Up or Down buttons until 'Factory Reset' appears on the display. Press and release the Select button. The display will show 'Press SELECT to confirm reset'.

5. Press and release the Select button again to confirm the reset operation.

6. A full reset will be performed. The station list and presets will be erased. Sleep timer settings will be set to their default values. The display will show 'Restarting...' and the unit will behave as when first switched on (see page 8).

In case of malfunction due to electrostatic discharge, reset the product (reconnection of power source may be required) to resume normal operation.
Clock display

The time can be shown either in the 12 or 24 hour format.

Display backlight

1. The display backlight will be switched on for approximately 15 seconds when any button is pressed.

Splash proof (when used on battery only)

The Splash radio is designed to withstand occasional exposure to splashing water in a bathroom, shower or poolside environment. The radio is not intended to be immersed in water.
Cautions

Do not allow this radio to be exposed to water (but see splash proof page 30), 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 the unit.

- 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 Requirements

- **Mains**: DC 5 Volts 600mA mains power adaptor, centre pin positive (+). (not supplied)
- **Batteries**: 2 x LR20 (D size) not supplied

Battery Life

Approx. 60 hours of listening for 4 hours a day at normal volume using alkaline cells when used in DAB mode.

Battery life in FM mode will be less.

Frequency Coverage

- **FM**: 87.50 - 108MHz
- **DAB**: 174.928 - 239.200MHz

Circuit features

- **Loudspeaker**: 76mm
- **Output Power**: 500mW
- **Aerial system**: FM Wire aerial, DAB Wire aerial

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

For product repairs falling outside the guarantee period, please refer to the “customer care” tab on the www.robertsradio.com website.

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