

ROBERTS

Enjoy Listening

ecologic 16

DAB / FM RDS digital clock radio with analogue clock



DAB

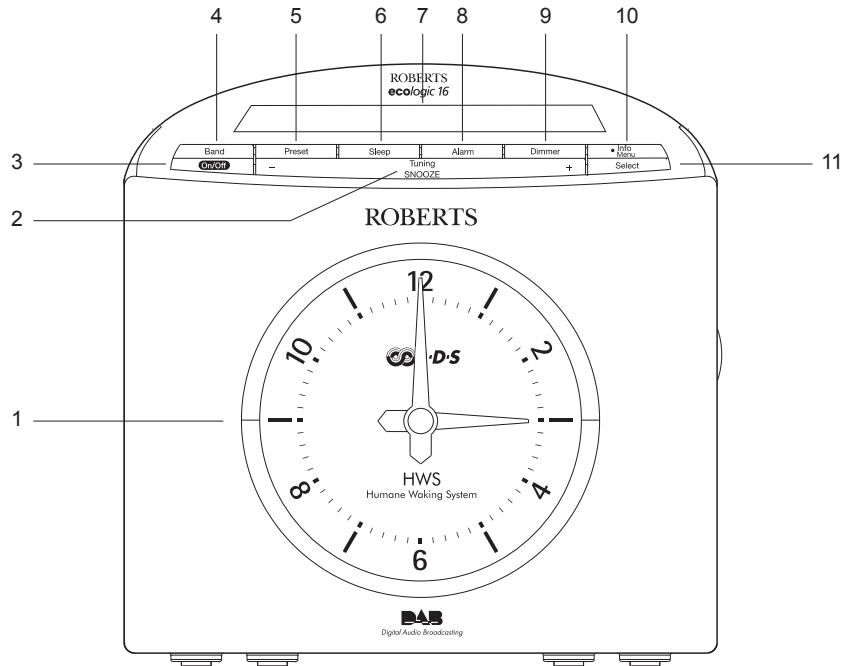
Digital Audio Broadcasting

Please read this manual before use

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Controls (front view)



1. Analogue clock face

2. Tuning Up / Down / Snooze button

3. On / Off button

4. Band button

5. Preset button

6. Sleep button

7. LCD display

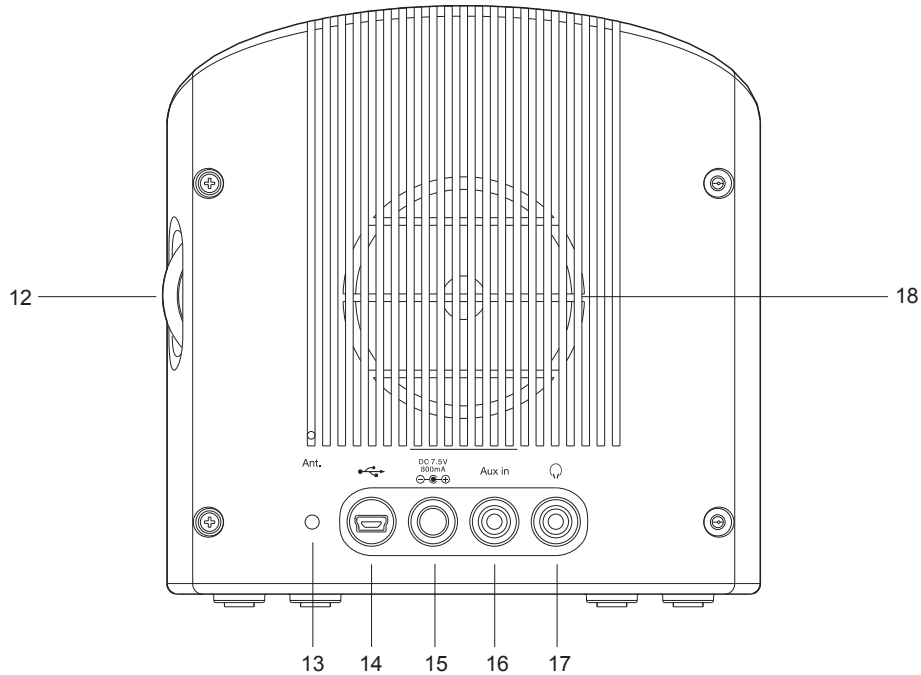
8. Alarm button

9. Dimmer button

10. Info / Menu button

11. Select button

Controls (rear)



12. Volume control

13. DAB / FM wire aerial

14. USB socket (for software upgrades only)

15. DC input socket

16. Auxiliary input socket

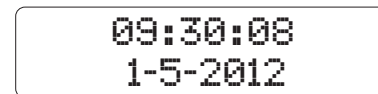
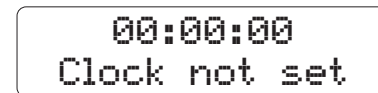
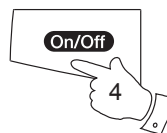
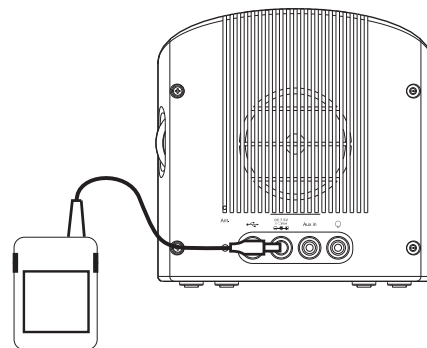
17. Headphone socket

18. Loudspeaker

Using the clock radio for the first time

1. Place your clock radio on a flat surface.
 2. Fully extend the wire aerial located on the rear of your clock radio. Place the wire antenna so that it is as straight as possible extending either above or below the radio.
 3. Insert the adaptor plug into the DC socket located on the rear of your clock radio. Plug the adaptor into a standard 13 amp mains socket outlet. The display will show 'Roberts' for a few seconds and then the display will show 'Clock not set' and the clock digits will flash. The clock hands will then move to 12:00.
 4. Press and release the **On / Off** button. The radio will scan for DAB signals and if a DAB signal is found it will then set the current time and date. (This will be displayed if you return the clock radio to standby). The clock hands will then move to show the correct time.
 5. If no stations are found, 'Clock not set' will be displayed. It may be necessary to relocate your clock radio to a position giving better reception. You should then carry out a scan to find stations as described on page 8.
- **IMPORTANT:** The mains adaptor is used as the means of connecting the clock radio to the mains supply. The mains socket used for the clock 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.

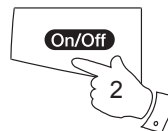
Characters appearing on the LCD display indicate that the clock radio is connected to and powered from the mains supply.



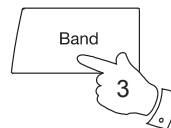
Operating your clock radio

1. Place the wire antenna so that it is as straight as possible extending either above or below the clock radio.
2. Press the **On / Off** button to switch on your clock radio.
3. Press and release the **Band** button until the DAB mode is selected. The display will show 'DAB Mode' for a few seconds.
4. If this is the first time the clock radio is used a scan of Band III DAB channels may be carried out (depending on whether scanning was already completed in standby mode). If the radio has been used before, the last used station will be selected.
5. 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.
6. 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 clock radio to a position giving better reception, and then repeat the scan using the Auto-tune facility (see 'Finding New Stations' on page 8).

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.



DAB
Mode

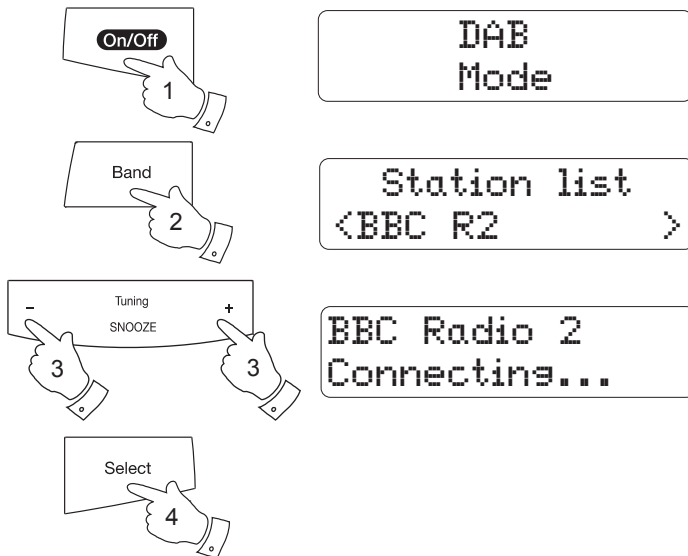


BBC Radio 4
Just a minute...

Selecting a station - DAB

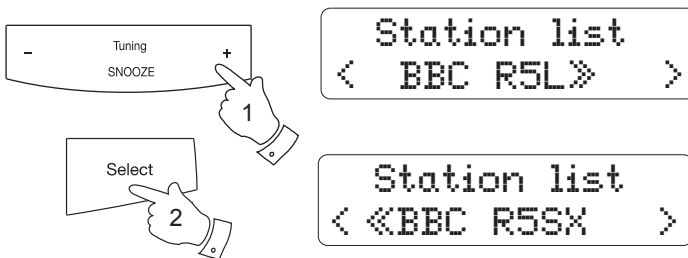
1. Press the **On / Off** button to switch on your clock radio.
2. Press and release the **Band** button until the DAB mode is selected. The display will show the name of the radio station currently selected.
3. Press the **Tuning Up** or **Down** buttons to step through the list of available stations.
4. When the desired station name appears on the display, press and release the **Select** button to select the station. The display will show 'Connecting' 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 clock 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.

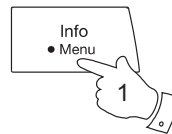


Display options - DAB

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. 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 clock radio position. |
| c. Programme type | Displays the type of station being listened to e.g. Pop, Classic, News, etc. |
| d. Multiplex Name | Displays the name of the DAB multiplex to which the current station belongs. |
| e. Channel & frequency | Displays the channel number and frequency for the currently tuned DAB station. |
| f. Signal error | Displays the signal error rate for the currently tuned DAB station. |



a

```
BBC Radio 4
Just a minute...
```

b

```
BBC Radio 4
■■■■■□■■■
```

c

```
BBC Radio 4
News
```

d

```
BBC Radio 4
BBC National DAB
```

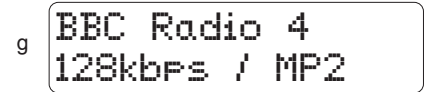
e

```
BBC Radio 4
12B 225.648MHz
```

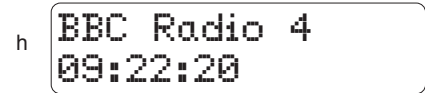
f

```
BBC Radio 4
Signal error: 6
```

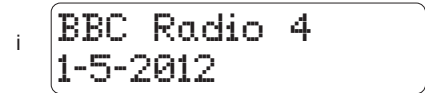

g. Bit rate & audio type Displays the digital audio bit rate and audio type for the currently tuned DAB station.



h. Time Displays the current time.



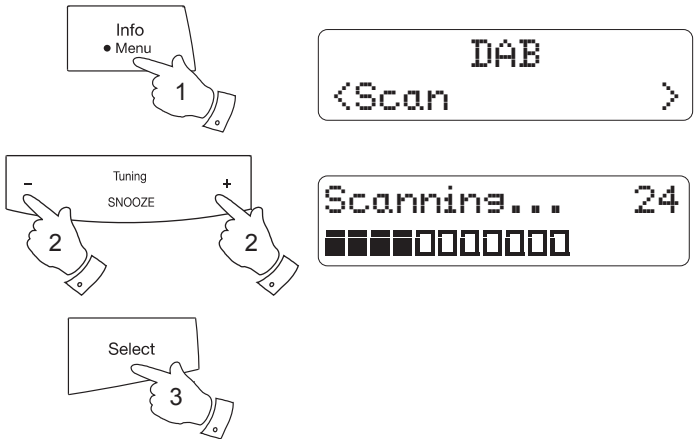
i. Date Displays the current date.



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.

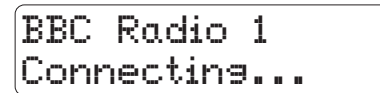
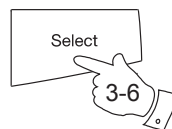
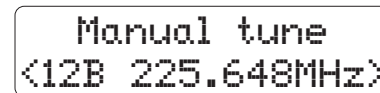
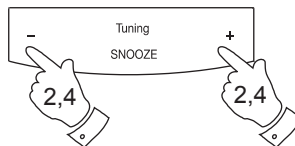
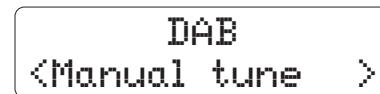
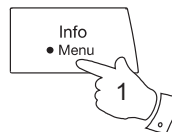
1. Press and hold the **Menu** button.
2. Press the **Tuning Up** or **Down** buttons until the display shows 'Scan'.
3. Press and release the **Select** button. Your radio will perform a scan of the Band III DAB channels. As new stations are found, the station counter on the right-hand side of the display will increase and stations will be added to the list.



Manual tuning - DAB

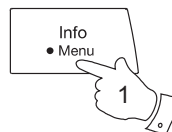
Manual tuning allows you to tune your radio to a particular DAB frequency in Band III. Any new stations found will be added to the station list. This function can also be used to assist the positioning of the aerial or the clock radio to optimise reception for a specific channel or frequency. Note that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



Dynamic Range Control (DRC) - DAB

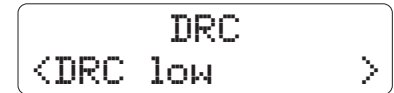
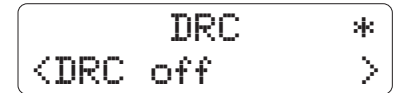
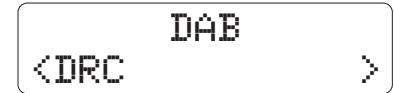
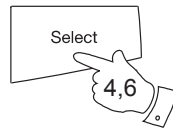
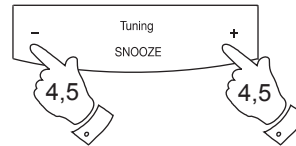
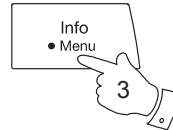
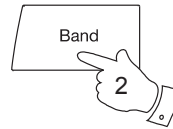
The DRC facility can make quieter sounds easier to hear when your radio is used in a noisy environment.

There are three levels of compression:

- DRC Off No compression applied. (default)
- DRC Low Medium compression applied.
- DRC High Maximum compression applied.

1. Press the **On / Off** button to switch on your clock 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 off).
6. Press and release the **Select** button to confirm the setting. After several seconds the display will return to the normal radio display.

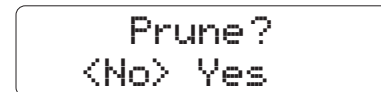
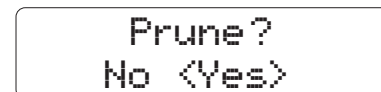
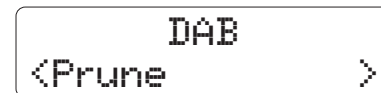
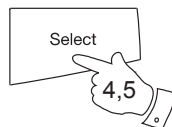
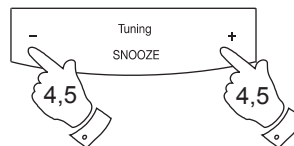
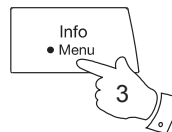
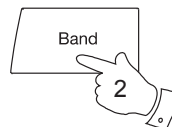
Note: Not all DAB broadcasts are able to use the DRC function. If the broadcast does not support DRC, then the DRC setting in the radio will have no effect.



Prune stations - DAB

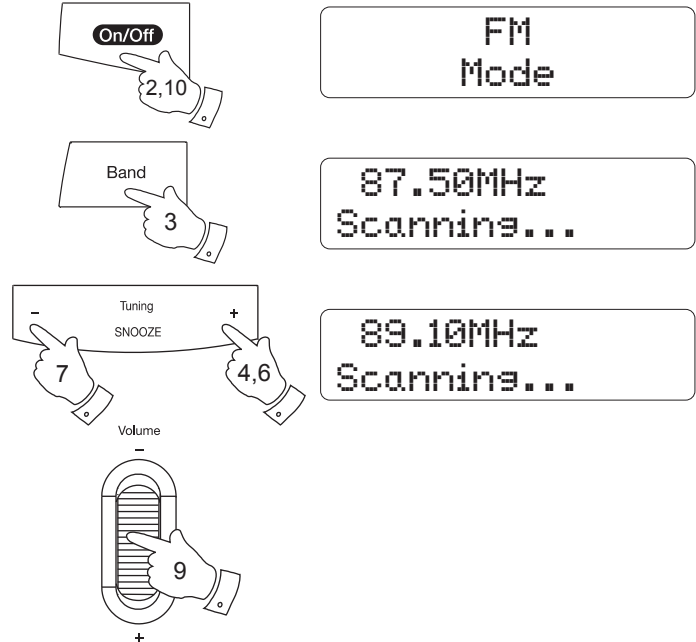
Over time, some DAB services may stop broadcasting, or may change location and then not be able to receive a station. In order to remove such stations from the DAB station list, the Prune stations function will delete the DAB stations from your station list that can no longer be received.

1. Press the **On / Off** button to switch on your clock 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 'Prune' appears on the display. Press and release the **Select** button.
5. Press the **Tuning Up** or **Down** buttons to highlight 'Yes'. 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 highlight 'No' in step 5 and then press and release the **Select** button. The display will revert back to the previous display.



Operating your clock radio - FM auto-tune

1. Fully extend the wire aerial located on the rear of your clock radio. Place the wire antenna so that it is as straight as possible extending either above or below the clock radio.
2. Press the **On / Off** button to switch on your clock radio.
3. Press and release the **Band** button until the FM mode is selected.
4. Press and hold down the **Tuning Up** button for 2 - 3 seconds 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 as before.
7. Press and hold down the **Tuning Down** button for 2 - 3 seconds 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** to the required setting.
10. To switch off your clock 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.

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 15 for further details.

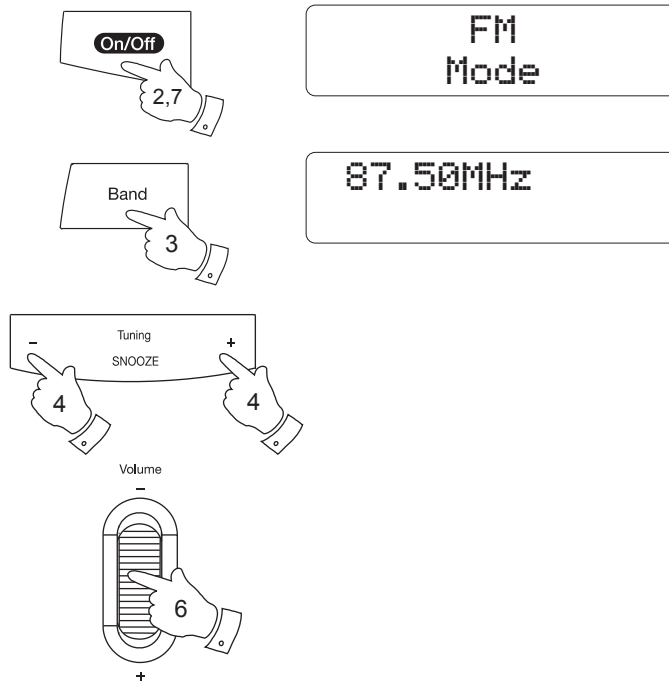
Manual tuning - FM

1. Fully extend the wire aerial located on the rear of your clock radio. Place the wire antenna so that it is as straight as possible extending either above or below the clock radio.
2. Press the **On / Off** button to switch on your clock radio.
3. Press and release the **Band** button until the FM mode is selected.
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 clock 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.

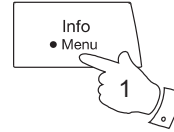
If you find that an FM broadcast has a lot of background hiss, this may often be reduced by setting the radio into Mono reception mode for the current FM station. Please refer to the section "Stereo / Mono setting - FM" on page 15 for further details.



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 clock 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. Frequency | Displays the frequency of the station being listened to. |
| d. Audio type | Displays the audio type for the currently tuned FM station. |
| e. Time | Displays the current time. |
| f. Date | Displays the current date. |

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

a BBC R4 St
Just a Minute...

b BBC R4 St
News

c BBC R4 St
89.30MHz

d BBC R4 St
Mono

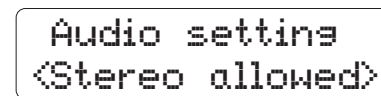
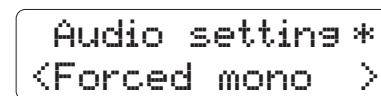
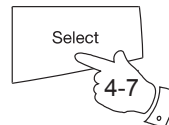
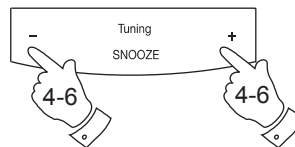
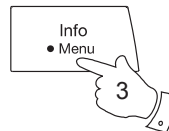
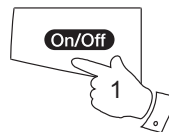
e BBC R4 St
09:22:20

f BBC R4 St
1-5-2012

Stereo / Mono setting - FM (headphones only)

Your radio will play stereo FM broadcasts in stereo (via headphones) provided that 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 background hiss.

1. Press the **On / Off** button to switch on your clock radio.
2. Tune to the required FM radio station as previously described.
3. Press and hold the **Menu** button.
4. Press the **Tuning Up** or **Down** buttons until 'Audio setting' appears on the display. Press and release the **Select** button.
5. To switch to mono to reduce the hiss from a weak FM signal press the **Tuning Up** or **Down** buttons until 'Forced mono' appears on the display. Press and release the **Select** button to confirm the setting. Forced mono is a temporary setting and is applied to the currently tuned station only. It is cancelled automatically by tuning to another radio station.
6. To return to normal 'stereo or mono' press the **Tuning Up** or **Down** buttons (in step 5) until 'Stereo allowed' appears on the display. Press and release the **Select** button to confirm the setting. The radio will play the current station in stereo through the headphones if the signal is sufficiently strong.
7. Alternatively, when tuned to a station press and release the **Select** button until 'Forced mono' or 'Stereo allowed' shows on the display.

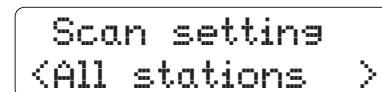
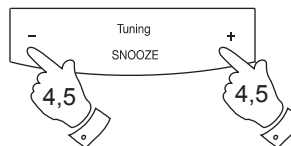
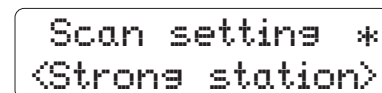
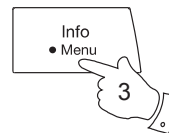
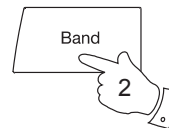
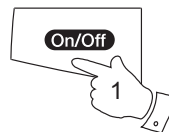


Scan sensitivity setting - FM

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 clock 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 'Scan setting' 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.

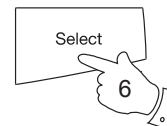
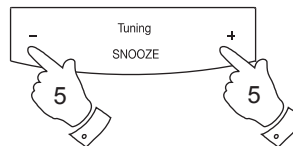
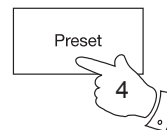
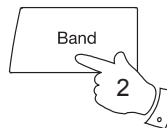
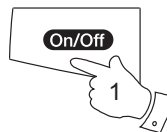


Presetting stations - DAB and FM

You may store your preferred DAB and FM radio stations to the preset station memories. There are 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 the **On / Off** button to switch on the clock 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 **Preset** button. The display will show, for example, '1: (Empty)' if no station has been stored to that preset.
5. Use the **Tuning Up** or **Down** buttons to select the desired preset station number under which you wish to store the station.
6. Press and hold down the **Select** button until the display shows, for example, 'Preset 1 stored'. The station will be stored under the chosen preset. Repeat this procedure for the remaining presets.
7. Stations which have been stored in preset memories may be overwritten by following the above procedure.



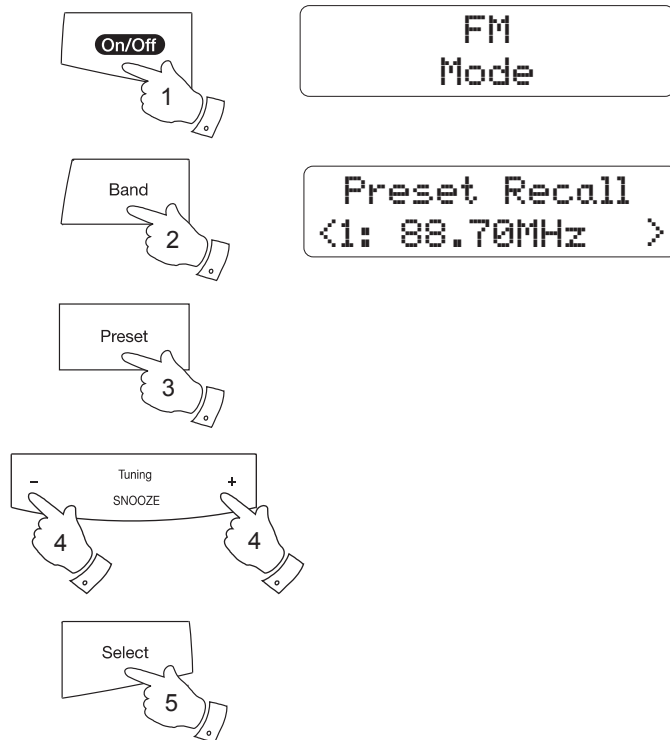
BBC Radio 4
Just a minute...

Preset Store
<1: (Empty) >

Preset 1
stored

Recalling a preset station

1. Press the **On / Off** button to switch on the clock radio.
2. Press and release the **Band** button to select the desired waveband.
3. Press and release the **Preset** button. The display will show, for example, '1: (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. Press the **Tuning Up** or **Down** buttons to select the desired preset station.
5. Press and release the **Select** button. Your clock radio will tune to the chosen preset station stored in the preset memory.



Alarms

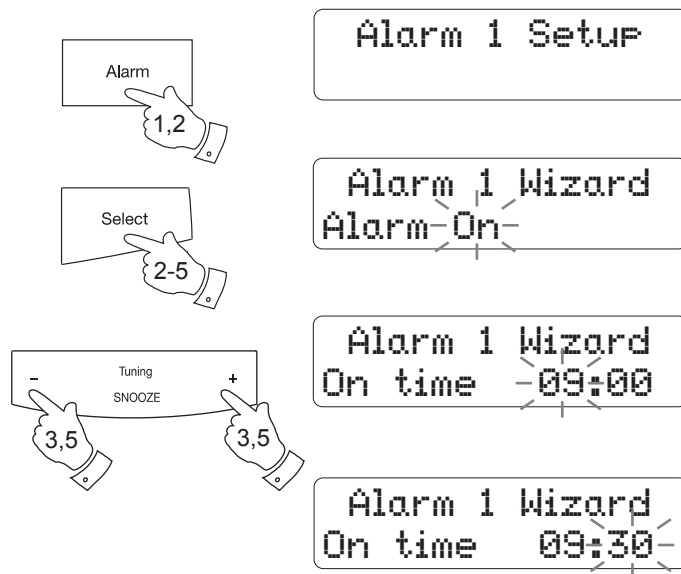
Your clock radio has four separate alarms which can be set to wake you to radio (DAB, FM) or buzzer alarm. Each alarm can be set to sound once, daily, on weekdays or at weekends. The alarms can be set whether the clock radio is on or in standby mode. In the event of a power interruption your clock radio has a built in memory chip that will maintain all your alarm settings for when the power is restored.

Before setting an alarm ensure that the clock time is set correctly see page 25.

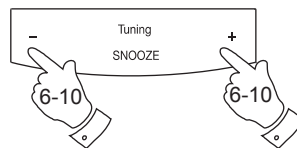
Note: If no buttons are pressed for 10 seconds, the clock radio will exit the alarm setup.

Setting an alarm

1. Press and release the **Alarm** button. 'Alarm 1 Setup' will show on the display.
2. Repeatedly press the **Alarm** button to choose the desired alarm 1-4 and then press the **Select** button. 'Alarm Wizard' shows on the display and the alarm status flashes on the display.
3. Press and release the **Tuning Up** or **Down** buttons to select On or Off. If Off is selected any current setting for that alarm will be cancelled.
4. With 'On' selected, press and release the **Select** button to cause the alarm hour digits to flash on the display.
5. Press and release the **Tuning Up** or **Down** buttons to choose the desired hour for the alarm and then press the **Select** button to cause the alarm minute digits to flash on the display.



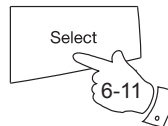
- Repeatedly press and release the **Tuning Up** or **Down** buttons to choose the desired minute for the alarm and then press the **Select** button.
 - If the clock radio has been set to use a 12 hour clock format, there will be an option here for setting AM or PM for the alarm time.



Alarm 1 Wizard
Duration -15-

- The alarm duration will flash on the display. Press the **Tuning Up** or **Down** buttons to choose the alarm duration. Choose between 15, 30, 45, 60 or 90 minutes.

- Press and release the **Select** button to enter the alarm duration. The alarm source option will flash on the display.



Alarm 1 Wizard
Source -DAB-

- Repeatedly press and release the **Tuning Up** or **Down** buttons to choose the desired source for the alarm (DAB, FM or Buzzer). Press the **Select** button when the desired source alarm is highlighted on the display. For which ever radio mode is selected, the radio alarm may be set to any of the stations which have been stored as presets or to the station most recently listened to.

Alarm 1 Wizard
1: BBC Radio 2-

- If setting the alarm to a radio option, press the **Tuning Up** or **Down** buttons to choose either last listened or from presets 1-10.

Note: that you can only set the alarm to use a preset which as already been stored (see page 17).

Alarm 1 Wizard
Last listened-

- Press and release the **Select** button to confirm the selection. The alarm day option will flash on the display.

Alarm 1 Wizard
Once-

- Your alarm can be set to sound once, daily, weekdays and weekends.

- Daily - Will sound every day.
- Once - Will sound at one time only.
- Weekends - Will sound only on weekends.
- Weekdays - Will sound only on weekdays.

13. Repeatedly press and release the **Tuning Up** or **Down** buttons to choose the day option and then press and release the **Select** button to confirm the setting.

- If setting alarms to daily, weekdays or weekends proceed to point 18.

14. If selecting the alarm to once you will need to set the day, month and year options as described below.

15. Press the **Tuning Up** or **Down** button to select the correct day and then press the **Select** button to confirm the setting.

16. Press the **Tuning Up** or **Down** button to select the correct month and then press the **Select** button to confirm the setting.

17. Press the **Tuning Up** or **Down** button to select the correct year.

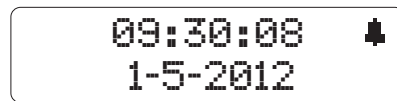
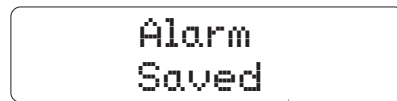
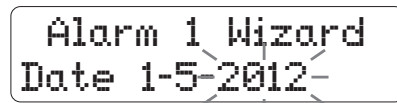
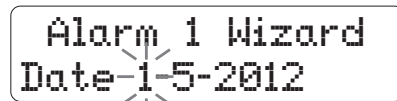
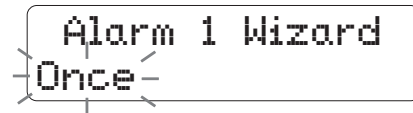
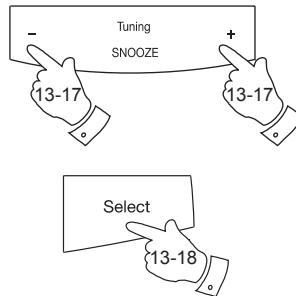
18. Press and release the **Select** button to confirm the alarm settings. Your clock radio will show 'Alarm Saved and will exit the alarm setting procedure.

Active alarms are indicated in the display by the alarm 📌 symbol.

If the radio cannot connect to the radio station, the buzzer alarm will be used instead.

The alarm volume will start softly and gradually increase in level every few seconds. The alarm will sound for up to 90 minutes unless cancelled.

The final volume is set by the volume control.



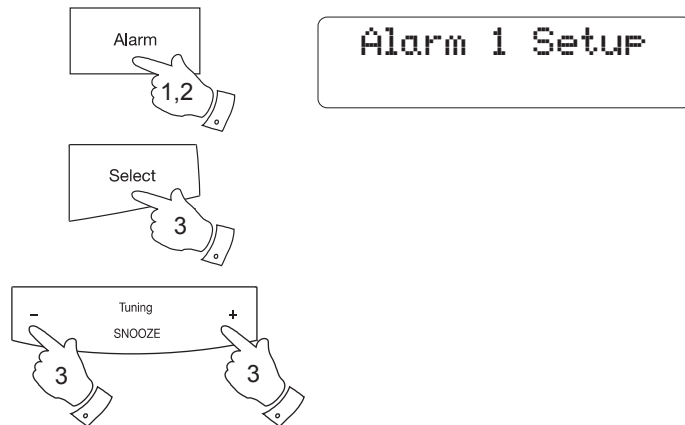
Note: It is not possible to lower the volume of your radio fully while playing an alarm. This is because your radio modifies the volume control behaviour during an alarm so that an alarm can still be heard even if the control was accidentally set to minimum.

Note: If using the alarm clock function, the radio or buzzer alarms may not be heard if headphones are connected when the radio is not in use.

To view the alarm settings

1. Press and release the **Alarm** button. 'Alarm 1 Setup' will show on the display.
2. Repeatedly press and release the **Alarm** button to choose the desired alarm 1-4.
3. Press and release the **Select** button to cycle through each of the settings for the chosen alarm.

You may use the Tuning Up or Down buttons to modify any particular setting if desired, using the Select button to enter the modification.

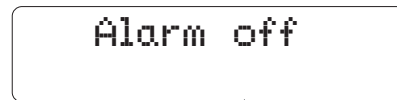
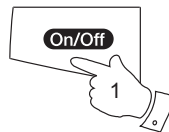


When the alarm sounds

The alarm will sound at the selected times for up to 90 minutes unless cancelled. The alarm duration used for the alarm will be as specified during the alarm setting procedure.

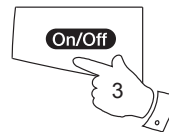
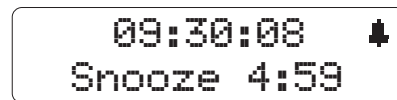
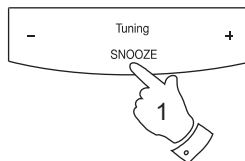
To cancel an alarm, press the **On / Off** button to return to standby mode.

The alarm icon and number will flash on the screen. The radio will automatically switch back to standby mode when the selected alarm time has elapsed.



Snooze

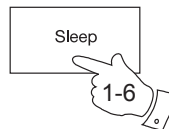
1. When the radio or buzzer alarm sounds, pressing the **Snooze** button once will silence the alarm for 5 minutes.
2. The display will show 'Snooze' and the remaining snooze time. This sequence can be repeated during the selected alarm period.
3. To cancel the snooze function, press and release the **On / Off** button.



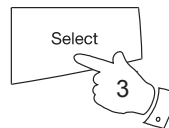
Sleep function

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

1. To set the desired sleep time, press and release the **Sleep** button to enter the sleep setup.
2. Repeatedly press and release the **Sleep** button 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.
Alternatively the Tuning Up or Down buttons may be used.

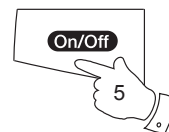


Set sleep time
15 minutes



Set sleep time
30 minutes

3. Press the **Select** button to confirm the setting. The display will exit the sleep options.
4. Your clock radio will switch off after the preset sleep time has elapsed.
5. To cancel the sleep timer and switch off your clock radio before the chosen sleep time has elapsed, press the **On / Off** button.



Set sleep time
Sleep off

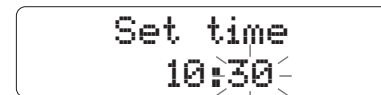
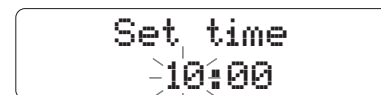
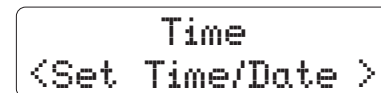
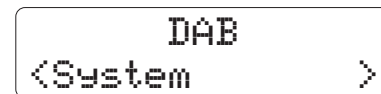
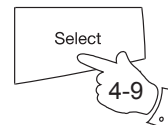
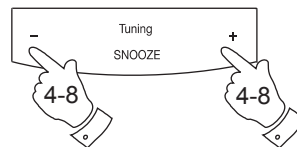
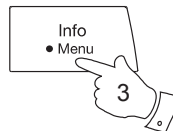
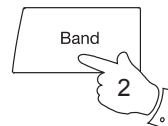
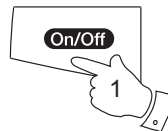
To cancel the sleep timer without switching off your radio, repeatedly press the **Sleep** button until ' Sleep off ' is displayed.

6. When the sleep time has been set you may view the remaining sleep time. Press the **Sleep** button. The remaining sleep time will show on the display.

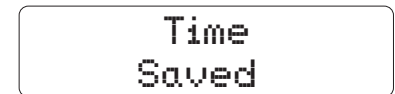
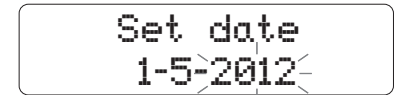
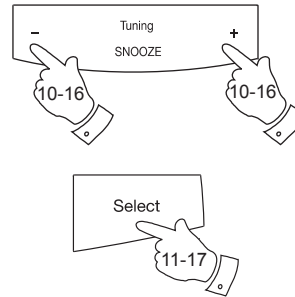
Setting the clock manually

Normally your clock 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 clock radio.
2. Press and release the **Band** button until the DAB or FM mode is selected.
3. Press and hold the **Menu** button.
4. Press the **Tuning Up** or **Down** buttons until 'System' appears on the display. Press and release the **Select** button.
5. Press the **Tuning Up** or **Down** buttons until 'Time' appears on the display. Press and release the **Select** button.
6. Press the **Tuning Up** or **Down** buttons until 'Set Time/Date' appears on the display.
7. Press and release the **Select** button. The hour digits will flash on the display.
8. Press the **Tuning Up** or **Down** buttons to set the desired hour.
9. Press and release the **Select** button. The minute digits will flash on the display.



10. Press the **Tuning Up** or **Down** buttons to set the desired minute.
 - If the clock 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.
11. Press and release the **Select** button. The day will flash on the display.
12. Press the **Tuning Up** or **Down** buttons to change the day as needed.
13. Press and release the **Select** button. The month will flash on the display.
14. Press the **Tuning Up** or **Down** buttons to set the current month.
15. Press and release the **Select** button. The year will flash on the display.
16. Press the **Tuning Up** or **Down** buttons to set the current year.
17. Press and release the **Select** button to confirm the clock setting. The display will show 'Time Saved' then exit the menu.

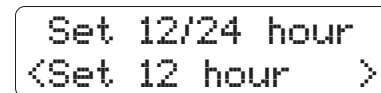
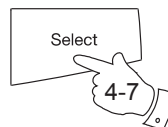
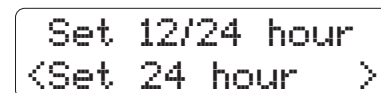
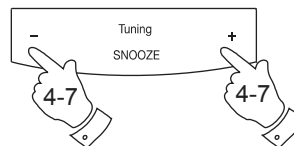
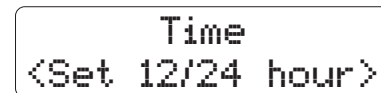
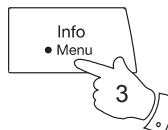
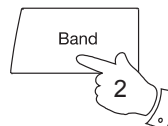
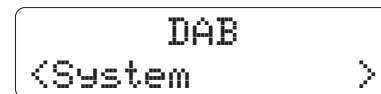
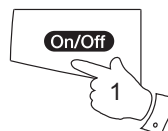


Setting the clock format

The clock display used in standby mode and when the clock radio is in use can be set to 12 or 24 hour format. The selected format is then also used when setting the alarms.

1. Press the **On / Off** button to switch on your clock radio.
2. Press and release the **Band** button until the DAB or FM mode is selected.
3. Press and hold the **Menu** button.
4. Press the **Tuning Up** or **Down** buttons until 'System' appears on the display. Press and release the **Select** button.
5. Press the **Tuning Up** or **Down** buttons until 'Time' appears on the display. Press and release the **Select** button.
6. Press the **Tuning Up** or **Down** buttons until 'Time 12/24 hour' appears on the display. Press and release the **Select** button.
7. Press the **Tuning Up** or **Down** buttons to highlight either 12 or 24 hour format. Press and release the **Select** button to confirm.

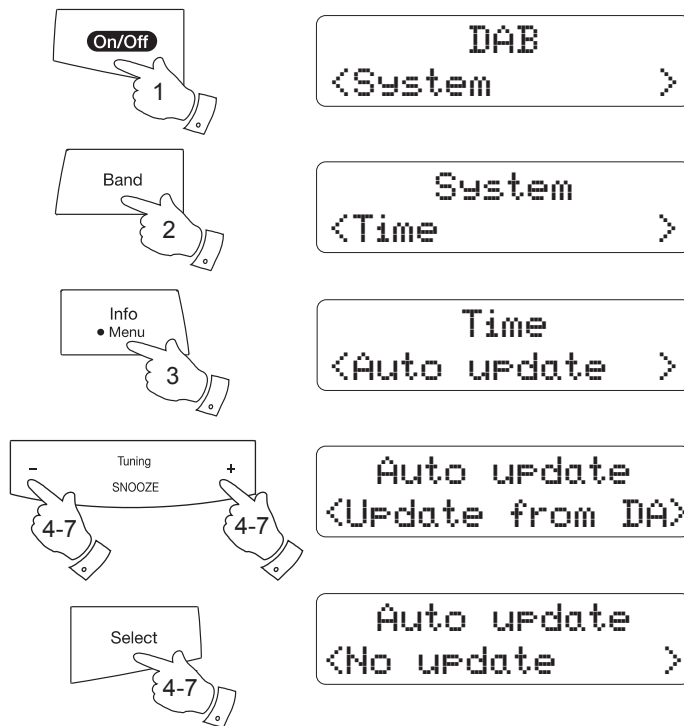
If the 12 hour clock format is chosen, the radio will then use the 12 hour clock for the setting of alarms and will display a 12 hour clock with an AM or PM indicator on the display.



To return to auto clock set mode

1. Press the **On / Off** button to switch on your clock 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 'System' appears on the display. Press and release the **Select** button.
5. Press the **Tuning Up** or **Down** buttons until 'Time' appears on the display. Press and release the **Select** button.
6. Press the **Tuning Up** or **Down** buttons until 'Auto update' appears on the display. Press and release the **Select** button.
7. Press the **Tuning Up** or **Down** buttons to choose 'Update from DAB' or 'No update'. Press and release the **Select** button.

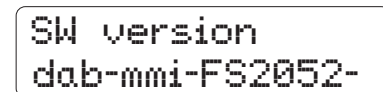
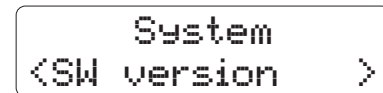
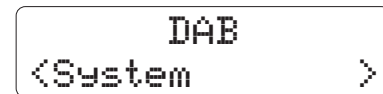
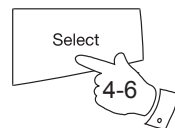
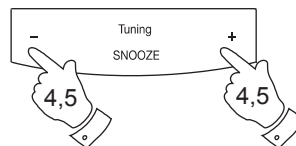
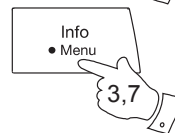
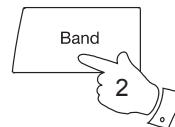
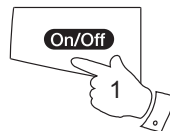
If you have chosen 'Auto update', the clock will set its time according to the information received with the DAB broadcast when the radio is tuned to a DAB station.



Software version

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

1. Press the **On / Off** button to switch on your clock radio.
2. Press and release the **Band** button until the DAB or FM mode is selected.
3. Press and hold the **Menu** button.
4. Press the **Tuning Up** or **Down** buttons until 'System' appears on the display. Press and release the **Select** button.
5. Press the **Tuning Up** or **Down** buttons until 'SW version' appears on the display.
6. Press and release the **Select** button. The software version shows on the display.
7. Press and release the **Menu** button to exit the software version display.



Clock display

1. When your clock radio is in standby mode the time and date will be displayed. The time can be shown either in the 12 or 24 hour format.



09:30:08
1-5-2012

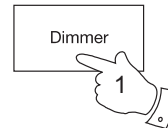


09:30:08 AM
1-5-2012

Dual mode dimmer backlight

Your clock radio has two separate dimmer settings so that you can adapt the intensity of the display to suit the ambient room lighting when the clock radio is in standby mode and when it is switched on.

1. Whether your clock radio is on or in standby, repeatedly press the **Dimmer button** on the top of your radio to select the dimmer brightness level you require. The dimmer button will cycle through the different intensity settings.
2. There are four dimmer brightness levels available as well as an off setting, should you wish to turn off the dimmer backlight.



Depending on the ambient light level, the lowest of the On settings may appear to be off during the day. It is intended to be a very low level for night-time use, although the Off level is provided for those users who prefer complete darkness.

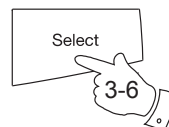
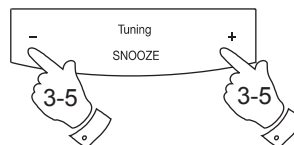
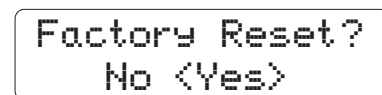
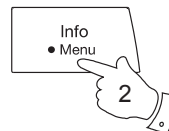
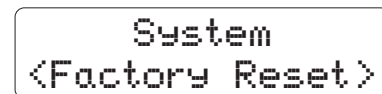
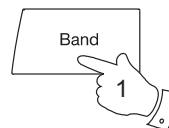
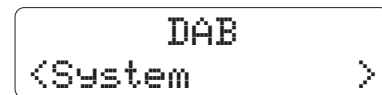
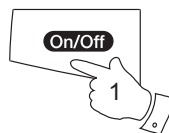
System reset

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 clock radio. Press and release the **Band** button until the DAB or FM mode is selected.
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.
5. Press the **Tuning Up** or **Down** buttons until 'Yes' is highlighted on the display. If you do not wish to carry out a system reset, highlight 'No' and then press the **Select** button. The display will revert back to the previous display.
6. With 'Yes' highlighted, press and release the **Select** button. A full reset will be performed. The station list and presets will be erased. Alarms will be cancelled and 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 4).

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

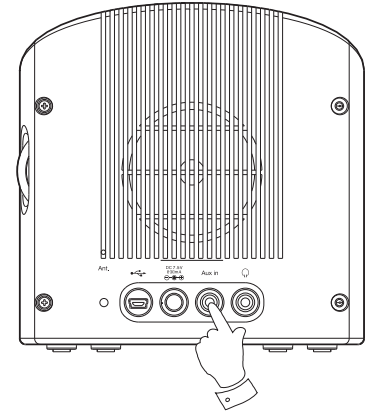
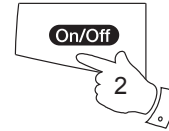
If a problem persists our technical staff would be pleased to offer any assistance on operating the radio. Our technical helpline number is 020 8758 0338.



Auxiliary input socket

A 3.5mm Auxiliary input socket is provided on the rear of your clock radio to permit an audio signal to be fed into the unit from an external audio device such as an iPod, MP3 or CD player.

1. Connect a stereo or mono audio source (for example, iPod, MP3 or CD player) to the **Auxiliary input** socket (marked 'Aux In').
2. Press the **On / Off** button to switch on your clock radio.
3. Adjust the **Volume** control on your iPod, MP3 or CD player to ensure an adequate signal and then adjust the volume on the clock radio for comfortable listening.



Aux In
Mode

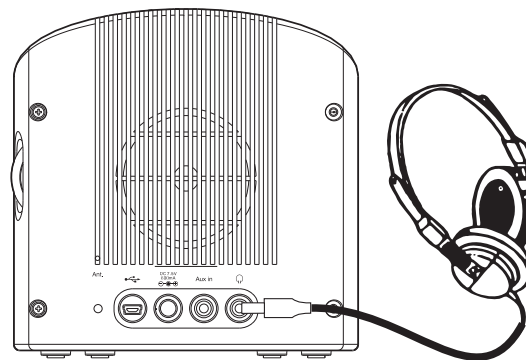
Headphone socket

A 3.5mm **Headphone** socket located on the rear of your clock radio is provided for use with headphones. 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 clock radio.

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

Note: If using the alarm clock function, the radio or buzzer alarms may not be heard if headphones are connected when the radio is not in use.



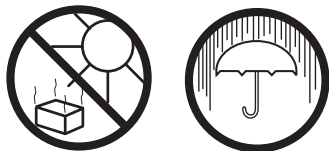
USB socket for software upgrade

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

Cautions

Do not allow this clock radio to be exposed to water, steam or sand. Do not leave your clock 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 clock radio should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the clock 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 AC 100 ~ 240V 50/60Hz (Adaptor)

Frequency Coverage

FM	87.50 - 108MHz
DAB	174.928 - 239.200MHz

Circuit features

Loudspeaker	63mm	
Output Power	600mW	
Headphone socket	3.5mm dia	
Aux in socket	3.5mm dia	
Aerial system	FM	Wire aerial
	DAB	Wire aerial

The Company reserves the right to amend the specification without notice

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.

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.

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

ROBERTS RADIO TECHNICAL SERVICES

97-99 Worton Road
Isleworth
Middlesex
TW7 6EG

Technical Helpline:- 020 8758 0338 (Mon-Fri during office hours)

Website: <http://www.robertsradio.co.uk>

