

# ROBERTS



## Ortus 2

DAB / DAB+ / FM RDS  
alarm clock radio

**DAB**  
Digital Audio Broadcasting

**DAB+**

**Digital  
Radio**

Please read this manual before use

## Contents

<i>Ortus 2 clock radio features</i> .....	2	<i>To set the alarm duration</i> .....	24
<i>Controls</i> .....	3-4	<i>Snooze function</i> .....	25
<i>Using the clock radio for the first time</i> .....	5	<i>Disable/Enable alarms</i> .....	26
<i>Operating your clock radio - DAB</i> .....	6	<i>Nap timer</i> .....	27
<i>Selecting a station - DAB</i> .....	7	<i>Sleep function</i> .....	28
<i>Secondary services - DAB</i> .....	7	<i>Setting the clock manually</i> .....	29-30
<i>Display options - DAB</i> .....	8-9	<i>Automatically updating the clock</i> .....	31
<i>Finding new stations - DAB</i> .....	10	<i>Display backlight dimmer</i> .....	32
<i>Manual tuning - DAB</i> .....	11	<i>Software version</i> .....	33
<i>Dynamic range control - DAB</i> .....	12	<i>Language function</i> .....	34
<i>Prune stations - DAB</i> .....	13	<i>System reset</i> .....	35
<i>Operating your radio - FM</i> .....	14	<i>Headphone socket</i> .....	36
<i>Manual tuning - FM</i> .....	15	<i>USB socket for smartphone or tablet charging</i> .....	36
<i>Display options - FM</i> .....	16	<i>Auxiliary input socket</i> .....	37
<i>Scan sensitivity setting - FM</i> .....	17	<i>General</i> .....	38
<i>Stereo/mono setting - FM</i> .....	18	<i>Specifications</i> .....	38
<i>Presetting stations</i> .....	19-20	<i>Circuit features</i> .....	38
<i>Setting alarm times</i> .....	21-23	<i>Guarantee</i> .....	Back page
<i>Cancelling alarms</i> .....	24		

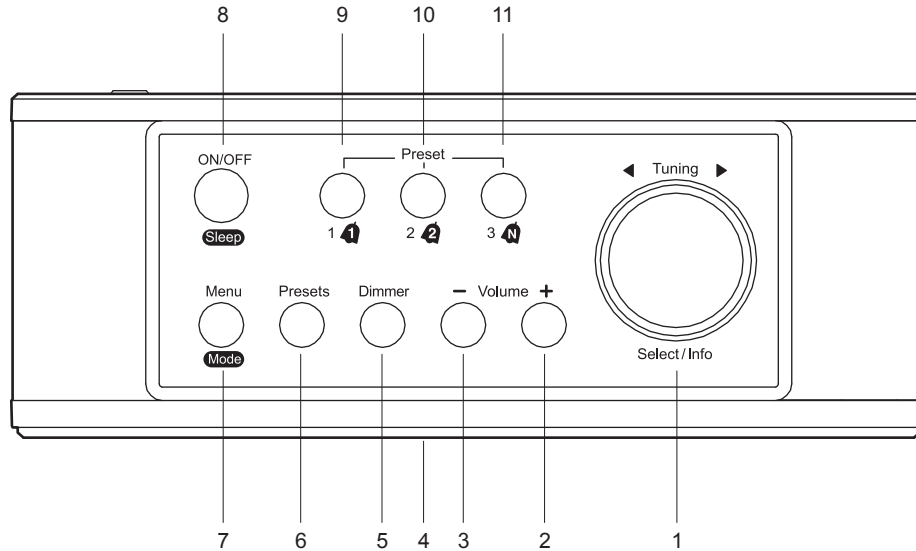
## Ortus 2 clock radio features

The Roberts Ortus 2 clock radio provides the following features:-

- 20 station presets (10 DAB and 10 FM) with 3 easy access preset buttons.
- Configurable alarm duration, set to either 30, 60, 90 or 120 minutes.
- Configurable snooze duration. The snooze timer may be set to either 5,10,15, 20 minutes or you may disable the snooze function completely.
- Adjustable sleep timer. This can be set to between 10 and 90 minutes after which the radio will gently lower the volume before switching off.
- Adjustable nap timer. The nap timer allows your clock radio to wake you after an interval of up to 90 minutes without needing to set the alarm.
- Adjustable dimmer setting, can be set to high, mid, low or switched off. When the clock radio is in standby pressing any button or the rotary control will cause the clock radio to switch to the 'Normal' brightness level for a few seconds.
- Large clock display with time when in standby.
- Two alarm timers to wake you to either DAB, FM radio or buzzer.
- Auxiliary input for playing audio from MP3 players, iPods or other audio equipment.
- Stereo headphone socket for private listening.
- Automatic standby feature when using the Auxiliary Input mode.
- USB socket which can be used for charging a smartphone, tablet or other similar devices.

## Controls

(Top)



1. Tuning / Select / Info control

2. Volume Up button

3. Volume Down button

4. LCD display

5. Dimmer button

6. Presets button

7. Menu / Mode button

8. On/Off / Sleep button

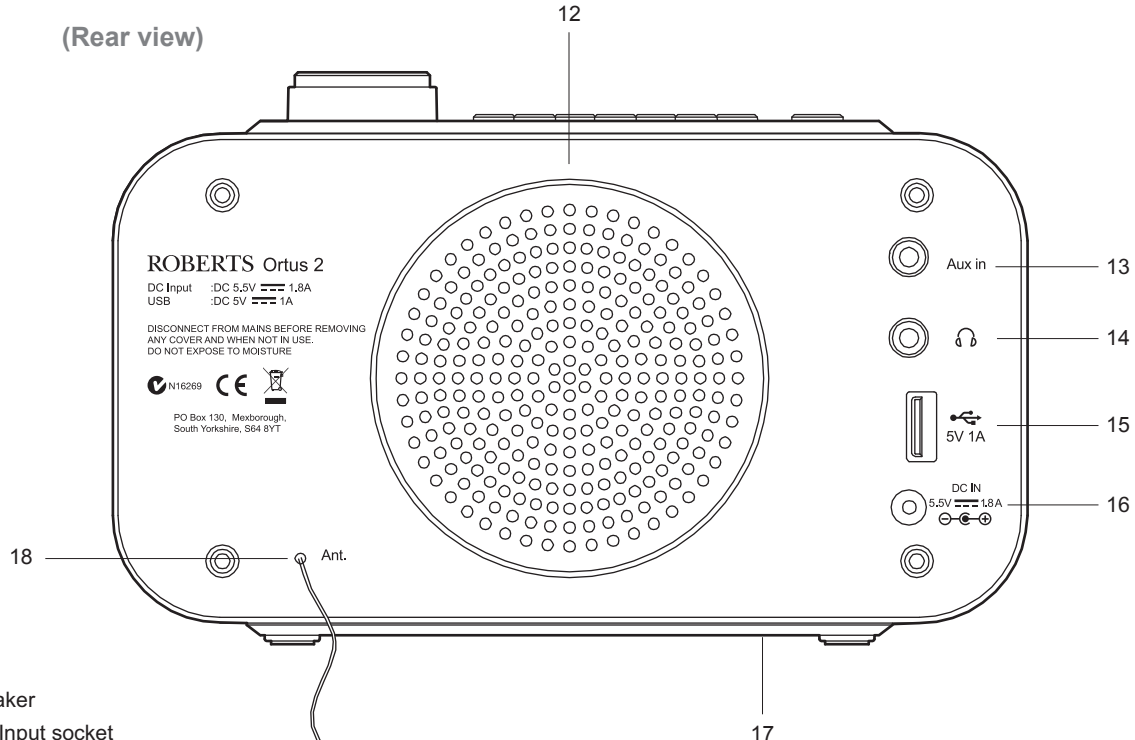
9. Preset 1 / Alarm 1 button

10. Preset 2 / Alarm 2 button

11. Preset 3 / Nap timer button

## Controls

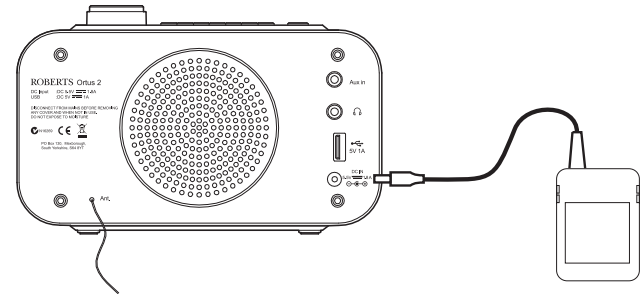
(Rear view)



- 12. Loudspeaker
- 13. Auxiliary Input socket
- 14. Headphone socket
- 15. USB Charging socket
- 16. DC Input socket
- 17. USB socket (underneath, for service use only)
- 18. DAB / FM wire aerial

## Using the clock radio for the first time

1. Place your clock radio on a flat surface.
2. Carefully fully extend the wire aerial located on the rear of your clock radio. Place the wire aerial so that it is as straight as possible extending either above or below the clock radio.
3. Plug the mains adaptor into the DC input socket located on the rear of your clock radio (marked 'DC IN') ensuring that the plug is pushed fully into the socket.
4. Plug the mains adaptor into a standard mains socket outlet and switch on the wall socket.
5. The display will show 'WELCOME' for a few seconds. During this time the clock radio is scanning to find a DAB radio signal. After a short time the current time will appear on the display.
6. If this is the first time the clock radio has been used a scan of the Band III DAB channels will be carried out. During the scanning process the display will show the progress of the station search. The number on the right of the display is the number of stations that have been found.
7. If no signal is found, '0:00' 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 10.



## Operating your clock radio - DAB

1. Press and release the **On/Off** button to switch on your clock radio.
  2. When first switched on, the clock radio will be in DAB mode. The first station (in numeric-alpha order 0...9...A...Z) will be selected. The first station in the list of stations found during scanning will be played. The display will show the station name.
  3. After each use the clock radio will remember the mode used and then switch on in that mode the next time it is used. If the clock radio has been used before, the last used station will be selected.
- Your clock radio has an indicator  $\Psi$  on the display to indicate the strength of the DAB radio signal being received.

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

**IMPORTANT:** The mains adaptor is used as the means of connecting the product to the mains supply. The mains socket and any multi-way mains block used for the product must remain accessible during normal use. In order to disconnect the product from the mains, the mains adaptor should be removed from the mains socket completely.

Use only the mains adaptor provided with the product, or a genuine replacement provided by Roberts Radio. The use of alternative adaptors will invalidate the guarantee.

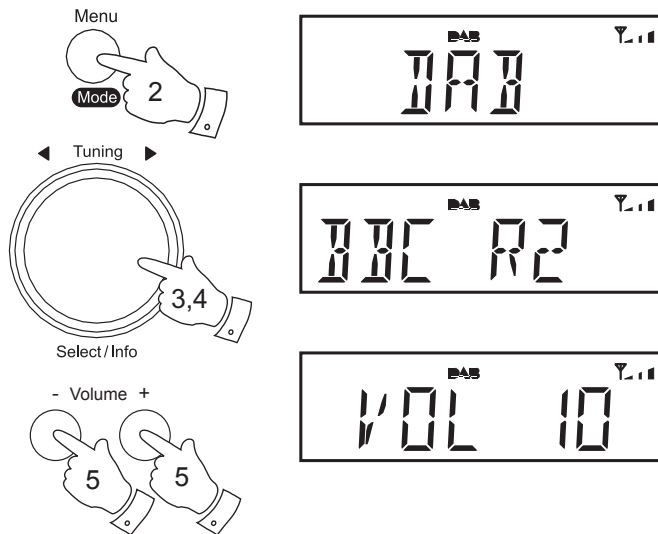
**Note:** When first switched on, the clock radio will set the volume to a moderately high level, in case the broadcast is very quiet. After you have set the volume, the clock radio will remember the setting that you have applied for the next time that it is used.



## Selecting a station - DAB

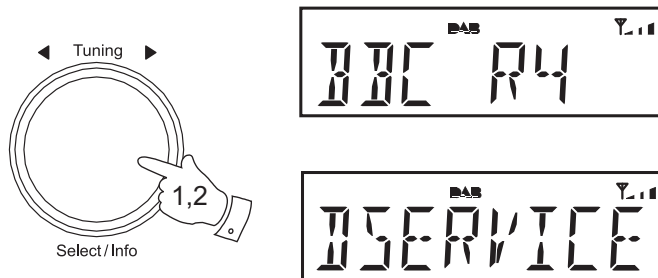
1. Press and release the **On/Off** button to switch on your clock radio.
2. Repeatedly, **press and hold** the **Menu/Mode** button until the 'DAB' mode is selected.
3. Rotate the **Tuning/Select** control to step through the list of available stations.
4. When the desired station name appears on the display press and release the **Tuning/Select** control to select the station. The clock radio will select the new station.
5. Adjust the **Volume** to the required setting.

**Note:** If after selecting a station the display shows 'OFF AIR' 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 the secondary service will then appear immediately after the primary service as you rotate the **Tuning/Select** control clockwise.
2. To tune to the secondary service, press and release the **Tuning/Select** control. 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.

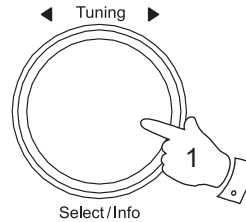




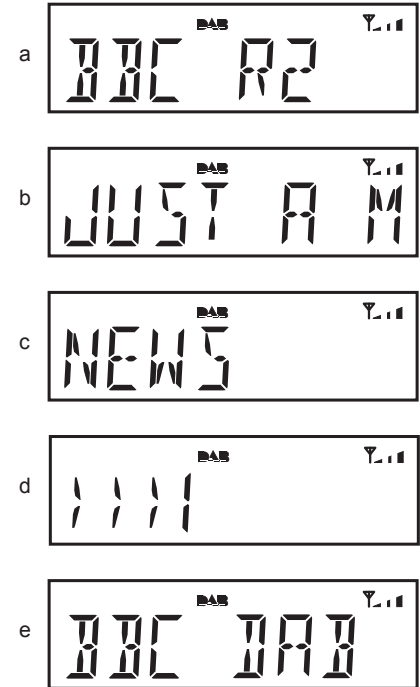
## Display options - DAB

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

1. Press and release the **Info** control to cycle through the various options. All displays except the text display will revert to the clock display after about 10 seconds.



- |                    |  |
|--------------------|--|
| a. Station name    | Displays the station name being listened to.   |
| b. Scrolling text  | Displays scrolling text messages such as artist/track name, phone-in number, etc.  |
| c. Program type    | Displays type of station being listened to e.g. Pop, Classic, News, etc.   |
| d. Signal strength | Displays the signal strength. The minimum signal marker (!) shows the minimum signal strength needed for good DAB reception. The signal indicator chevrons increase or decrease showing the changing signal strength as you adjust the wire aerial or your clock radio position. |
| e. Multiplex Name  | Displays name of multiplex to which the current station belongs.   |



## Display options - DAB cont.

f. Frequency

Displays the frequency for the currently tuned DAB station.



g. Bit rate

Displays the digital bit rate for the currently tuned DAB station.



h. Time

Displays the current time.



i. Date

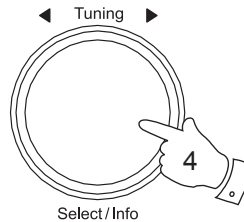
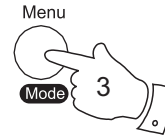
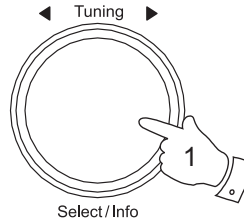
Displays the current date.



## 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 clock radio to scan for new stations.

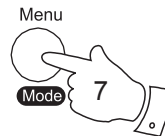
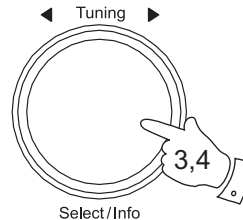
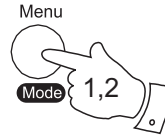
1. With your clock radio in DAB mode, **press and hold the *Tuning/Select*** control and then release.
2. Your clock radio will perform a scan of the Band III DAB channels. As new radio stations are found the station counter on the right-hand side of the display will increase and the radio stations will be added to the list stored in the clock radio.
3. Alternatively, to scan using the DAB menu, press and release the ***Menu/Mode*** button. The DAB menu will show 'SCAN' on the display.
4. Press and release the ***Tuning/Select*** control to perform the scan.
5. Your clock radio will perform a scan of the Band III DAB channels. As new radio stations are found the station counter on the right-hand side of the display will increase and the radio stations will be added to the list stored in the clock radio.



## Manual tuning - DAB

Manual tuning allows you to tune your clock 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.

1. Repeatedly, **press and hold** the **Menu/Mode** button until the 'DAB' mode is selected.
2. Press and release the **Menu/Mode** button. The DAB menu will show on the display.
3. Rotate the **Tuning/Select** control until the display shows 'MANUAL'. Press and release the **Tuning/Select** control to enter the manual tune mode.
4. Rotate the **Tuning/Select** control to select the desired DAB channel. Press and release the **Tuning/Select** control to tune to the chosen frequency.
5. 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 increase or decrease showing the changing signal strength as you adjust the wire aerial or your clock radio position.
6. When a DAB signal is found, as shown by the signal indicator chevrons, any new radio stations found with this signal will be added to the list stored in the clock radio.
7. Press and release the **Menu/Mode** button to be able to manually tune to a different frequency. Alternatively, press and release the **Menu/Mode** button a second time in order to return to the normal playing mode.

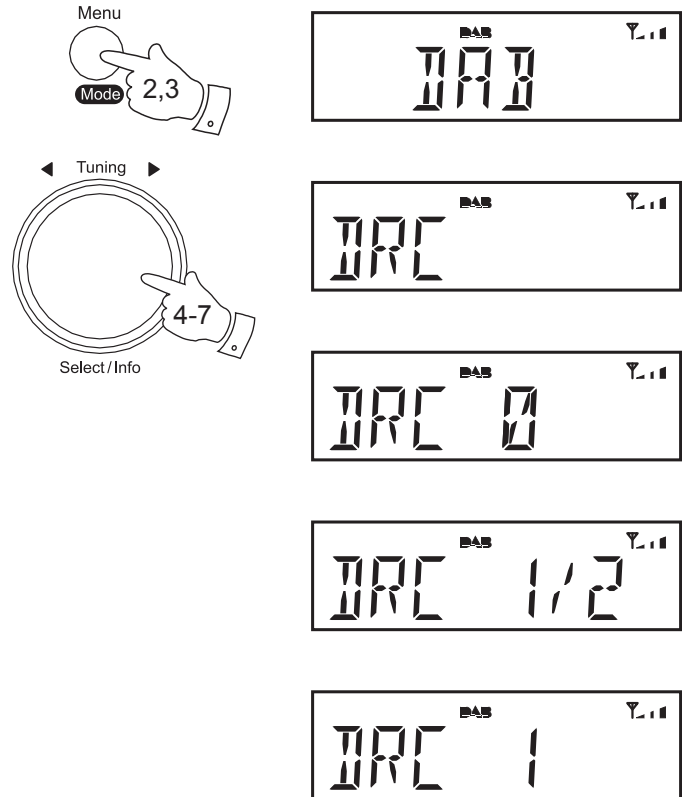


## Dynamic Range Control (DRC) settings - DAB

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

1. Press and release the **On/Off** button to switch on your clock radio.
2. Repeatedly, **press and hold** the **Menu/Mode** button until the 'DAB' mode is selected.
3. Press and release the **Menu/Mode** button. The DAB menu will show on the display.
4. Rotate the **Tuning/Select** control until 'DRC' shows on the display.
5. Press and release the **Tuning/Select** control to enter adjustment mode.
6. Rotate the **Tuning/Select** control to select required DRC setting (default is 0).
  - DRC 0 DRC is switched off, Broadcast DRC will be ignored.
  - DRC 1/2 DRC level is set to 1/2 that sent by broadcaster.
  - DRC 1 DRC is set as sent by broadcaster.
7. Press and release the **Tuning/Select** control to confirm the setting. The display will return to the station name display after several seconds.

**Note:** Not all DAB broadcasts use the DRC function. If the broadcast does not provide DRC information, then the DRC setting in the clock radio will have no effect.

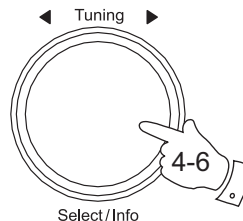
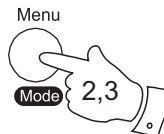


## Prune stations - DAB

If you move to a different part of the country, some of the stations which were listed may no longer be available. Also, from time to time, some DAB services may stop broadcasting, or may change location or frequency. 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.

The Prune stations function will delete the marked DAB stations from your station list.

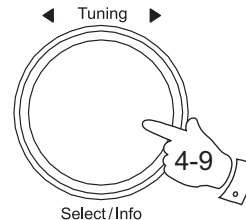
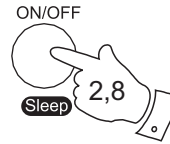
1. Press and release the **On/Off** button to switch on your clock radio.
2. Repeatedly, **press and hold** the **Menu/Mode** button until the 'DAB' mode is selected.
3. Press and release the **Menu/Mode** button. The DAB menu will show on the display.
4. Rotate the **Tuning/Select** control until 'PRUNE' shows on the display.
5. Press and release the **Tuning/Select** control. 'PRUNE?' will show on the display.
6. Press and release the **Tuning/Select** control to cause the invalid station names to be removed from the station list. The display will return to the station name display after several seconds.  
If you do not wish to prune stations press and release the **Menu/Mode** button to return to the previous display.



**Note:** If you have moved your clock radio 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 10).

## Operating your radio - FM

1. Carefully fully extend the wire aerial located on the rear of your clock radio. Place the wire aerial so that it is as straight as possible extending either above or below the clock radio.
2. Press and release the **On/Off** button to switch on your clock radio.
3. Repeatedly, **press and hold** the **Menu/Mode** button until the 'FM' mode is selected.
4. Rotate the **Tuning/Select** control clockwise and then **press and hold** the **Tuning/Select** control for several seconds and then release. Your clock radio will scan in an upwards direction (low frequency to high frequency) and stop automatically when it finds a station of sufficient strength.
5. After a few seconds the display will update. The display will show the frequency of the signal found. If the signal is strong enough and there is RDS data present then the clock radio will display the station name.
6. Rotate the **Tuning/Select** control anti-clockwise and then **press and hold** the **Tuning/Select** control for several seconds and then release. Your clock radio will scan the FM band in a downwards direction (high frequency to low frequency).
7. When the waveband end is reached your radio will recommence tuning from the opposite waveband end.
8. Adjust the **Volume** to the required setting. To switch off your clock radio press and release the **On/Off** button.

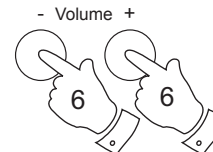
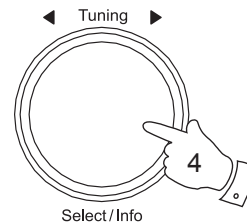
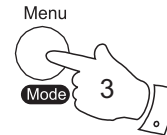
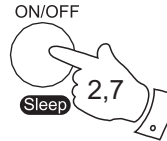


9. Alternatively, to scan using the FM menu, press and release the **Menu/Mode** button. The FM menu will show 'SCAN' on the display.

Press and release the **Tuning/Select** control to perform the scan.

## Manual tuning - FM

1. Carefully fully extend the wire aerial located on the rear of your clock radio. Place the wire aerial so that it is as straight as possible extending either above or below the clock radio.
2. Press and release the **On/Off** button to switch on your clock radio.
3. Repeatedly, **press and hold** the **Menu/Mode** button until the 'FM' mode is selected.
4. Rotate the **Tuning/Select** control to tune to a station. The frequency will change in steps of 50kHz. If the clock 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. Adjust the **Volume** to the required setting.
7. To switch off your clock radio, press and release the **On/Off** button.



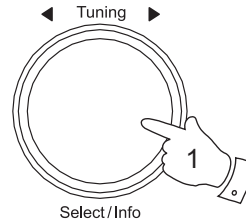


## Display options - FM

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

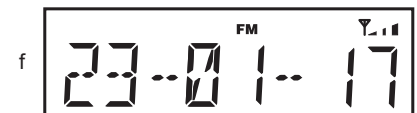
The Radio Data System (RDS) is a system in which inaudible digital information is transmitted in addition to the normal FM radio programme. RDS offers several useful features. The following are available on your clock radio.

1. Press and release the **Info** control to cycle through the various options. All displays except the text display will revert to the clock display after about 10 seconds.



- |                   |  |
|-------------------|--|
| a. Station name   | Displays the name of the station being listened to.                              |
| b. Scrolling text | Displays scrolling text messages such as artist/track name, phone in number etc. |
| c. Program Type   | Displays type of station being listened to e.g. Pop, Classic, News, etc.         |
| d. Frequency      | Displays frequency of the station currently being listened to.                   |
| e. Time           | Displays the current time.   |
| f. Date           | Displays the current date.   |

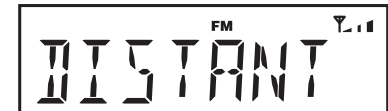
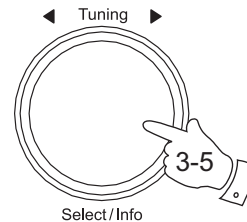
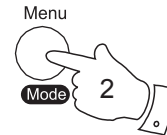
**Note:** If no RDS information is available, the clock radio will be unable to display the station name, scrolling text and programme type information. Your clock radio will display 'NO TEXT' if there is no scrolling text and 'NO PTY' if there is no programme type information.



## Scan sensitivity setting - FM

Your clock 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 clock 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. Ensure your clock radio is in FM mode.
2. Press and release the **Menu/Mode** button. The FM menu will show on the display.
3. Rotate the **Tuning/Select** control until 'SETTING' shows on the display. Press and release the **Tuning/Select** control to enter the scan settings menu.
4. Rotate the **Tuning/Select** control to switch between 'LOCAL' and 'DISTANT' options. The Distant option will allow the radio to find weaker signals when scanning.
5. Press and release the **Tuning/Select** control to confirm your selection. The display will return to the radio display after several seconds. The Local or Distant setting is stored in the clock radio and remains in force until changed or until a System Reset.

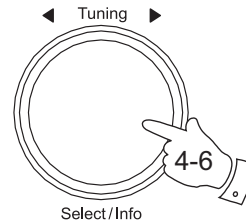
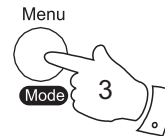


**Note:** The initial setting (out of the box, or after a System Reset) causes the clock radio to ignore weaker (or more distant) signals.

## Stereo / Mono setting - FM (Headphones only)

Your clock radio will play stereo FM broadcasts in stereo (via headphones only) 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 clock radio to play the station in mono in order to reduce the level of background hiss.

1. Press and release the **On/Off** button to switch on your clock radio.
2. Tune to the required FM radio station as previously described.
3. Press and release the **Menu/Mode** button. The FM menu will show on the display.
4. Rotate the **Tuning/Select** control until 'AUDIO' shows on the display. Press and release the **Tuning/Select** control.
5. Rotate the **Tuning/Select** control so that the display shows 'MONO'. Press and release the **Tuning/Select** control. Your clock radio will switch to mono mode.
6. To return to stereo/mono mode, rotate the **Tuning/Select** control so that the display shows 'STEREO' and press and release the **Tuning/Select** control.



## Presetting stations

You may store your preferred DAB and FM radio stations to the preset station memories. There are 20 memory presets in your clock radio including three memory preset buttons, 10 for DAB and 10 for FM. Presets are remembered by your clock 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.

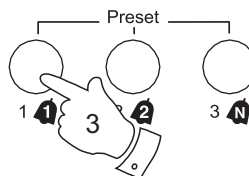
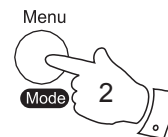
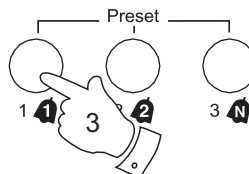
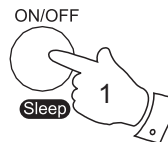
### Storing a preset using the preset buttons 1-3

1. Press and release the **On/Off** button to switch on the clock radio.
2. Tune to the required station as previously described.
3. To store the station as a preset, **press and hold** the required **Preset** button (1-3) until the display shows, for example 'P1 SAVED'. The station will be stored under the chosen preset button. Repeat this procedure as needed for the remaining presets.
4. Stations which are already stored in the presets may be overwritten by following the above procedure.

**Note:** The radio station presets are retained in memory when the clock radio is switched off and disconnected from the mains supply.

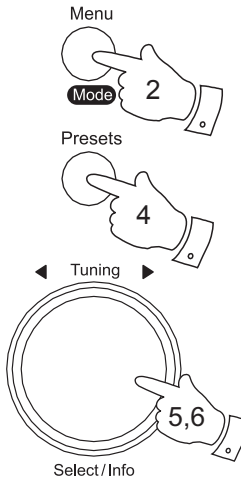
### Recalling a preset using the preset buttons 1-3

1. Press and release the **On/Off** button to switch on the clock radio.
2. Repeatedly, **press and hold** the **Menu/Mode** button to select either the FM or DAB mode.
3. Momentarily press the required **Preset** button (1-3). Your clock radio will then tune to the station stored in the selected preset memory.
4. If a preset station has been stored, then the display will show either the station name (for DAB stations) or the frequency (for FM stations). The display will show, for example, 'EMPTY' if no station has been stored to that preset.



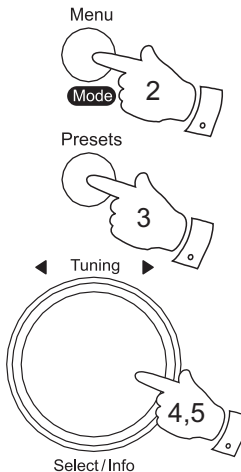
## Storing a preset using the menu (presets 1 - 10)

1. Press and release the **On/Off** button to switch on the clock radio.
2. Repeatedly, **press and hold** the **Menu/Mode** button to select either the FM or DAB mode.
3. Tune to the required station as previously described.
4. **Press and hold** the **Presets** button. The display will show, for example, 'Empty 1' if no station has been stored to that preset.
5. Rotate the **Tuning/Select** control to select the desired preset number under which you wish to store the station.
6. Press and release the **Tuning/Select** control. The display will show, for example 'P1 SAVED'. The station will be stored under the chosen preset. Repeat this procedure as needed for the remaining presets.
7. Stations which are already stored in the presets may be overwritten by following the above procedure.



## Recalling a preset using the menu (presets 1 - 10)

1. Press and release the **On/Off** button to switch on the clock radio.
2. Repeatedly, **press and hold** the **Menu/Mode** button to select either the FM or DAB mode.
3. Press and release the **Presets** button. The display will show, for example, 'Empty 1' 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. Rotate the **Tuning/Select** control to select the desired station.
5. Press and release the **Tuning/Select** control.
6. Your clock radio will then tune to the station stored in the selected preset memory.



## Setting alarm times

Your clock radio has two alarms which can be set to wake you to DAB, FM radio or buzzer alarm. Each alarm can be set to sound once, daily, on weekdays or at weekends.

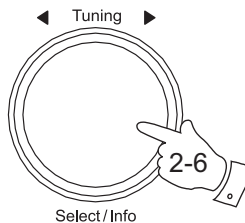
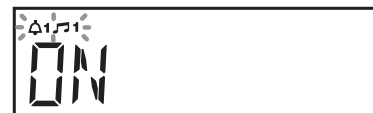
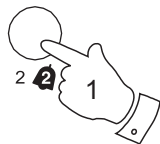
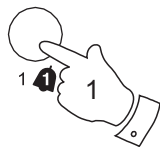
In the event of a power interruption your clock radio has a built-in memory that will retain your alarm settings. Ensure that the time is set correctly before setting the alarms.

You may set the alarm duration to sound for 30, 60, 90 or 120 minutes please see 'To set the alarm duration' page 24.

**Note:** The alarms can only be set while the unit is in standby mode.

**Note:** If no buttons are pressed for 1 minute, your clock radio will exit the alarm setup.

1. When your clock radio is in the standby mode, **press and hold** the **Alarm 1** or **Alarm 2** button. 'Alarm 1' or 'Alarm 2' will show on the display and the alarm indicator will flash on the display.
2. Press and release the **Tuning/Select** control to enter the alarm setting menu.
3. Rotate the **Tuning/Select** control 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 **Tuning/Select** control to cause the alarm hour digits to flash on the display.
5. Rotate the **Tuning/Select** control to choose the desired alarm hour.
6. Press and release the **Tuning/Select** control to enter the hour setting. The alarm minute digits will flash on the display.

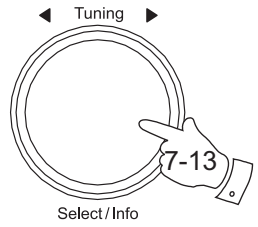


7. Rotate the **Tuning/Select** control to choose the desired alarm minute.
8. Press and release the **Tuning/Select** control to enter the minutes setting. The alarm day option will show on the display.
9. Rotate the **Tuning/Select** control to choose the desired alarm day option:

- |          |                               |
|----------|-------------------------------|
| Weekdays | - Will sound only on weekdays |
| Weekends | - Will sound only on weekends |
| Daily    | - Will sound everyday         |
| Once     | - Will sound at one time only |

- If setting the alarm to once only, continue with step 10 below. Otherwise skip to step 16 on the following page.

10. Press and release the **Tuning/Select** control to enter the setting. The alarm day will flash on the display.
11. Rotate the **Tuning/Select** control to choose the alarm day.
12. Press and release the **Tuning/Select** control to enter the alarm day setting. The alarm month will flash on the display.
13. Rotate the **Tuning/Select** control to choose the alarm month.



14. Press and release the **Tuning/Select** control to enter the alarm month setting. The alarm year will flash on the display.

15. Rotate the **Tuning/Select** control to choose the alarm year.

16. Press and release the **Tuning/Select** control to enter the setting. The alarm source option will show on the display.

17. Rotate the **Tuning/Select** control to choose the desired alarm source (DAB, FM, BUZZER).

If setting the alarms to the radio option, the radio alarm may be set to the last listened radio station or any of the stations which have been stored as presets.

Press and release the **Tuning/Select** control and then rotate the control to choose either 'LAST' to wake up to the last listened radio station or from a preset on the display.

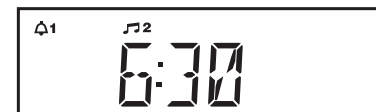
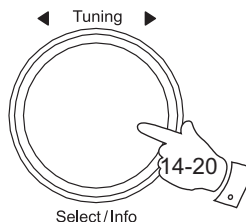
**Note:** That you can only set the alarm to use a preset which has already been stored. Please see 'Presetting stations' pages 19 and 20.

18. Press and release the **Tuning/Select** control. The volume setting will show on the display.

19. Rotate the **Tuning/Select** control to choose the desired alarm volume. The clock radio uses the saved volume settings for each radio alarm when it sounds.

20. Press and release the **Tuning/Select** control to confirm the alarm settings. 'SAVED' will show on the display before exiting the alarm setup.

Radio alarms are indicated in the display by the 🎵 symbol and the corresponding alarm number. Buzzer alarms are indicated by the 🔔 symbol and the corresponding alarm number.





## When the alarm sounds

The alarm will sound at the selected times for up to 120 minutes unless cancelled. The maximum volume used for the alarm will be specified during the alarm setting procedure.

When your clock radio is set to wake by the radio alarm, your radio will switch to the selected radio station. If the clock radio cannot tune to the specified DAB radio station, the buzzer will be used instead.

**Note:** If the clock radio is switched on because of a radio alarm you can control basic functions such as the volume.

When the buzzer alarm activates it will start softly and gradually increase in level.

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

## Cancelling alarms

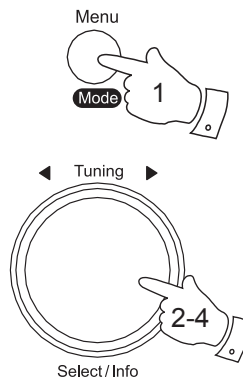
1. While an alarm is sounding press and release the **On/Off** button to cancel the alarm.
2. Alternatively, if you have disabled the snooze duration by switching the setting to 'Off' see the next page you may use any button except the volume up or down buttons to switch the alarm off.



## To set the alarm duration

The alarm duration is adjustable and can only be set while the clock radio is playing (default duration is 60 minutes).

1. With your clock radio switched on, press and release the **Menu/Mode** button. The menu will show on the display.
2. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
3. Rotate the **Tuning/Select** control until 'ALARM' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control to choose the desired alarm duration from between 30, 60, 90 and 120 minutes. Press and release the **Tuning/Select** control. The clock radio will exit the menu.

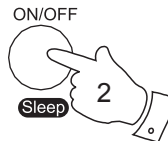


## Snooze function

1. When the radio or buzzer alarm sounds, press and release **any button** except the On/Off button or the volume up and down buttons. This will silence the alarm for the selected number of minutes. The snooze duration can be adjusted between 5 and 20 minutes in 5 minute increments. The default setting is 10 minutes.

When the Snooze has been activated the display will show the Snooze symbol **z z z**. This sequence can be repeated during the selected alarm period.

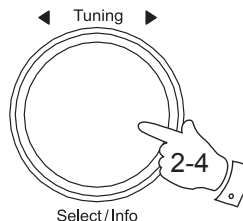
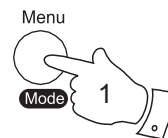
2. To cancel the Snooze function, press and release the **On/Off** button.
3. It is also possible to disable the snooze function (see below). When this is done you may use any button except the volume up or down buttons to switch the alarm off.



## To set the snooze time

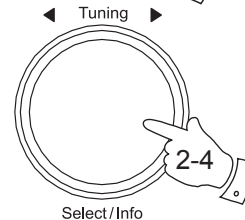
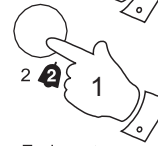
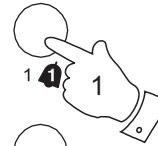
The snooze duration can only be set while the clock radio is playing.

1. When your clock radio is playing, press and release the **Menu/Mode** button. The menu will show on the display.
2. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
3. Rotate the **Tuning/Select** control until 'SNOOZE' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control to choose the desired snooze setting from between 5, 10, 15, 20 minutes or to the Off setting. Press and release the **Tuning/Select** control. The clock radio will exit the menu.



## Disable alarms

1. When your clock radio is in standby mode, **press and hold** the **Alarm 1** or **Alarm 2** button. 'Alarm 1' or 'Alarm 2' will show on the display and the alarm indicator will flash on the display.
2. Press and release the **Tuning/Select** control to enter the alarm setting menu.
3. Rotate the **Tuning/Select** control to select OFF.
4. Press and release the **Tuning/Select** control to disable the alarm.




## Enable or disable alarms

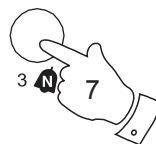
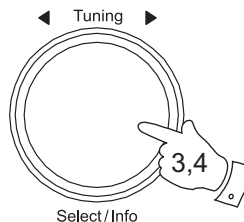
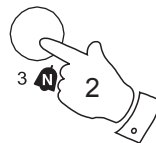
When an alarm has already been configured with time, day and mode options (see page 21), you may quickly enable or disable that alarm when the clock radio is in standby by means of a short press on the appropriate alarm button as follows.

1. With the clock radio in standby, press and release the **Alarm 1** or **Alarm 2** button. The display will show 'ON' or 'OFF' according to the current state of the alarm and the alarm indicator will flash on the display.
2. Rotate the **Tuning/Select** control to choose 'OFF' or 'ON' as needed.
3. Press and release the **Tuning/Select** control to save the new selection. The display will briefly show 'SAVED' before showing the time.
4. If the Tuning/Select control is not pressed, the current alarm setting will not be changed. After a few seconds the display will go back to showing the time.

## Nap timer


The Nap timer facility allows you to set your clock radio to wake you after a predetermined interval (up to 90 minutes) without needing to set the alarm. The nap timer can only be set when your clock radio is in standby mode.

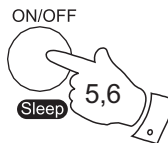
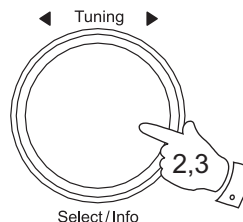
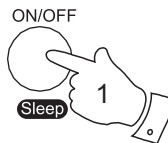
1. Ensure your clock radio is in standby mode.
2. **Press and hold** the **Nap Timer** button to enter the nap timer settings menu.
3. Rotate the **Tuning/Select** control to select the desired nap time. The nap timer setting will increase in increments from 10 minutes up to 90 minutes. A further increment will cause the nap timer to be set to OFF which will cancel the nap function.
4. Press and release the **Tuning/Select** control. The display will exit the nap timer menu. The nap symbol  will flash until the nap time has elapsed. You may set the alarm duration, please see 'To set the alarm duration' page 24.
5. The nap timer will sound after the preset nap time has elapsed. 'NAP' will show on the display.
6. To cancel the nap timer when it sounds, press and release the **On/Off** button. Press and release **any button** except the On/Off and the volume up and down buttons to snooze the alarm. You can adjust or disable the snooze timer as described on page 25.
7. When the nap timer has been started, you may quickly pause or resume the timer when the clock radio is in standby by means of a short press of the **Nap Timer** button.



## Sleep function

Your clock radio can be set to turn off after a preset time has elapsed. The sleep timer can be set to between 10 and 90 minutes.

1. **Press and hold** the **On/Off/Sleep** button and then release the button. The sleep symbol  will show on the display.
2. Rotate the **Tuning/Select** control to select the desired sleep time. The sleep setting will increase in increments from 10 minutes up to 90 minutes. A further increment will cause the sleep timer to be set to OFF which will cancel the sleep function.
3. Press and release **Tuning/Select** control. The display will exit the sleep options.
4. Your clock radio will switch off after the preset sleep time has elapsed. The radio will gently lower the volume before switching off.
5. To view the remaining sleep time, **press and hold** the **On/Off/Sleep** button and then release the button. The remaining sleep time will show on the display.
6. To cancel the sleep timer and switch off your clock radio before the chosen sleep time has elapsed, press and release the **On/Off** button. To cancel the sleep timer without switching off your clock radio, set the sleep timer to the OFF setting.

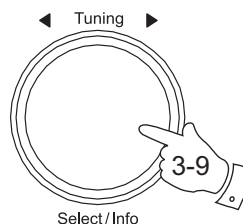
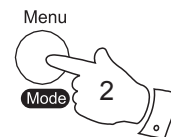
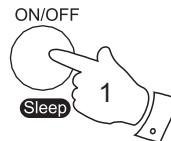


**Note:** If the nap timer was in use before the sleep timer is activated, then the nap timer will be cancelled.

## Setting the clock manually

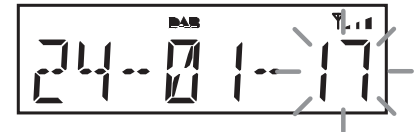
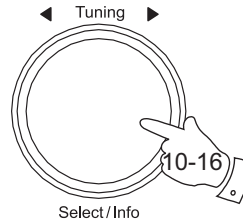
Normally your clock radio will set its clock automatically using the DAB radio signal. If no DAB signal is available and you need to set the time manually, please follow the procedure shown below.

1. Press and release the **On/Off** button to switch on the clock radio.
2. To set the clock time, press and release the **Menu/Mode** button. The menu will show on the display.
3. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control until 'TIME' appears on the display. Press and release the **Tuning/Select** control.
5. Rotate the **Tuning/Select** control until 'SET TIME' appears on the display.
6. Press and release the **Tuning/Select** control to enter the manual setting procedure. The hour digits will then flash on the display.
7. Rotate the **Tuning/Select** control to set the desired hour.
8. Press and release the **Tuning/Select** control to enter the hour setting.
9. The minute digits will then flash on the display. Rotate the **Tuning/Select** control to set the desired minute.



## Setting the clock manually - cont

10. Press and release the **Tuning/Select** control to enter the minutes setting. The day will then flash on the display.
11. Rotate the **Tuning/Select** control to select the current day.
12. Press and release the **Tuning/Select** control to enter the day setting. The month will then flash on the display.
13. Rotate the **Tuning/Select** control to select the current month.
14. Press and release the **Tuning/Select** control to enter the month setting. The year will then flash on the display.
15. Rotate the **Tuning/Select** control to select the current year.
16. Press and release the **Tuning/Select** control to confirm the time setting. 'SAVED' will show on the display before exiting the clock setup.

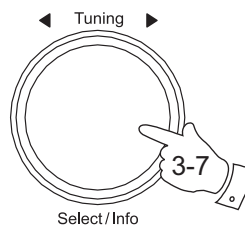
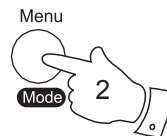
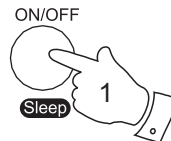


## Automatically updating the clock

Your clock radio will usually set the clock time using the DAB signal. You may specify that the clock radio sets its clock using signals from the DAB or FM waveband, either waveband or none. If you choose none you will need to set the clock manually.

1. Press and release the **On/Off** button to switch on the clock radio.
2. Press and release the **Menu/Mode** button. The menu will show on the display.
3. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control until 'TIME' appears on the display. Press and release the **Tuning/Select** control.
5. Rotate the **Tuning/Select** control until 'UPDATE' appears on the display. Press and release the **Tuning/Select** control.
6. Rotate the **Tuning/Select** control to choose an update option from, 'DAB, FM, ANY or NONE'.
7. Press and release the **Tuning/Select** control to confirm your choice.
8. The clock radio will set its time according to the information received. The clock radio will return to the previous menu display.

If a signal is not found you should then either position the clock radio or its aerial so that a signal can be received, or revert to manual clock mode (see page 29).





## Display backlight dimmer

The brightness of the display can be adjusted when the clock radio is in standby or when in use. If you use the unit in the bedroom, you may prefer a lower standby brightness level than the standard setting. There are four standby brightness levels and four levels for when the clock radio is in use.

To change the current brightness setting please follow these steps.

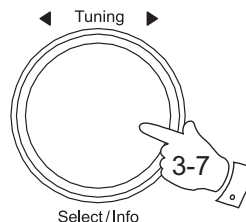
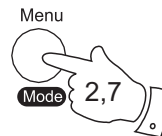
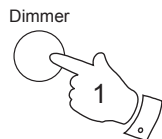
1. If your clock radio is in the standby mode or in use, press and release the **Dimmer** button to choose either the High, Mid, Low or Off dimmer setting.
2. To set the dimmer level using the menus, press and release the **Menu/Mode** button. The menu will show on the display.
3. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control until 'DIMMER' appears on the display. Press and release the **Tuning/Select** control.
5. To adjust the display brightness for when the clock radio is switched on, rotate the **Tuning/Select** control until 'NORMAL' appears on the display.

To adjust the display brightness for when the clock radio is in standby, rotate the **Tuning/Select** control until 'STANDBY' appears on the display.

Press and release the **Tuning/Select** control to enter the selected brightness adjustment mode.

6. Rotate the **Tuning/Select** control to select the dimmer brightness from High, Mid, Low or to Off.
7. Press and release the **Tuning/Select** control to set the level. Press and release the **Menu/Mode** button as needed to exit.

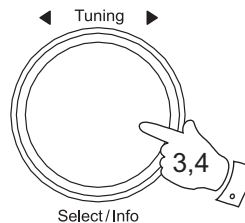
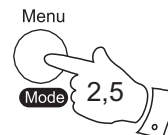
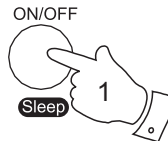
When the clock radio is in standby pressing any button (except Alarm 1 or 2) or the rotary control will cause the clock radio to switch to the 'Normal' brightness level for a few seconds. This is so that if the standby brightness level is set to Low or Off, it is still possible to see the time when needed.



## Software version

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

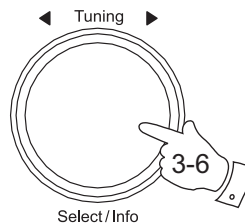
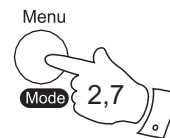
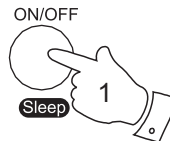
1. Press and release the **On/Off** button to switch on the clock radio.
2. Press and release the **Menu/Mode** button. The main menu will show on the display.
3. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control until 'SW VER' appears on the display. Press and release the **Tuning/Select** control to display the software version.
5. Repeatedly, press and release the **Menu/Mode** button to return to the normal radio display.



## Language function

Your clock radio's menus can be configured to a different language.

1. Press and release the **On/Off** button to switch on the clock radio.
2. Press and release the **Menu/Mode** button. The main menu will show on the display.
3. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control until 'LANGUAGE' appears on the display. Press and release the **Tuning/Select** control to enter the language adjustment menu.
5. Rotate the **Tuning/Select** control until your desired language appears on the display.
6. Press and release the **Tuning/Select** control to confirm your choice. The display will change to the chosen language.
7. Repeatedly, press and release the **Menu/Mode** button to return to the normal radio display.

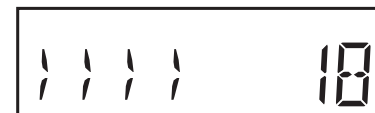
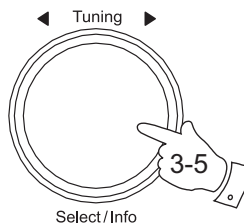
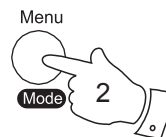
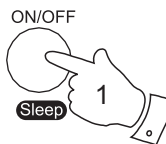


## System reset

If your clock 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 clock radio.
2. Press and release the **Menu/Mode** button. The main menu will show on the display.
3. If using DAB or FM modes, rotate the **Tuning/Select** control until 'SYSTEM' appears on the display. Press and release the **Tuning/Select** control.
4. Rotate the **Tuning/Select** control until 'FACTORY' appears on the display. Press and release the **Tuning/Select** control. 'RESET' will show on the display.
5. Press and release the **Tuning/Select** control.
6. A full reset will be performed. The station list and presets will be erased. The display will show 'RESTART' then 'WELCOME' and after a few seconds a station scan search will be performed automatically. The display will show the progress of the station search. The number on the right of the display is the number of stations that have been found. The clock radio will then restart as when first plugged in (see 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 may be required.



## Headphone socket

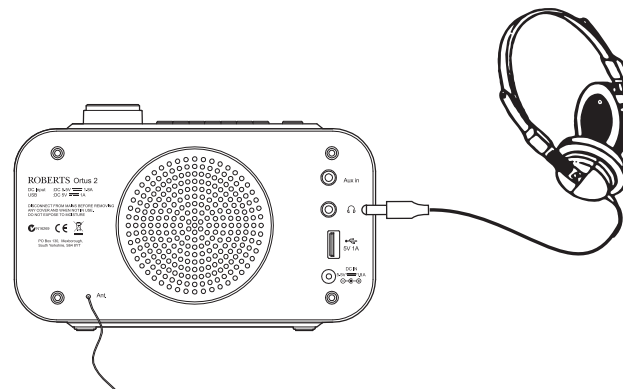
A 3.5mm **Headphone Socket** located on the rear of your clock radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.

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 clock 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.

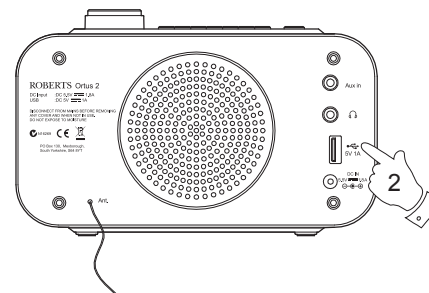


## USB socket for smartphone or tablet charging

Your clock radio has a USB socket which can be used for charging a smartphone, tablet or other similar devices.

Charge time may vary and in some cases may take longer to charge than when using the manufacturers charging unit supplied with the device.

1. Ensure your clock radio is plugged in.
2. Connect your device to the USB charging socket at the rear of your clock radio.
3. Your device will begin to charge.
4. Once your device has charged remove the USB lead.

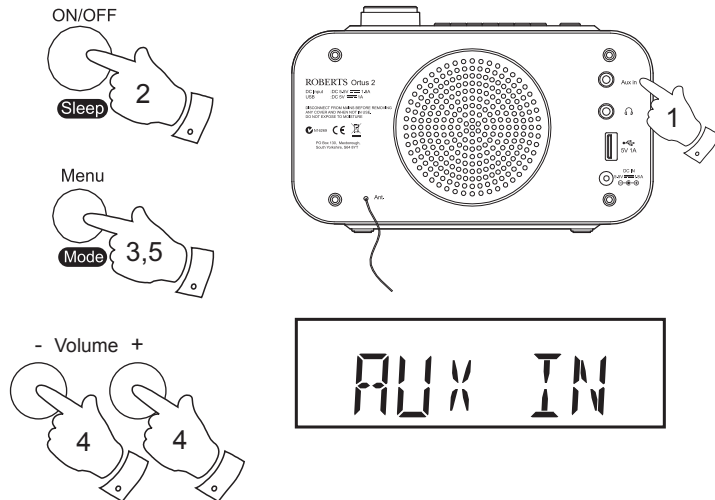


## Auxiliary input socket

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 clock radio.
3. Repeatedly, **press and hold** the **Menu/Mode** button until the display shows 'AUX IN'.
4. Adjust the **Volume** control on your player and on the clock radio for comfortable listening.
5. Remove the cable from the **Auxiliary input** socket or **press and hold** the **Menu/Mode** button to cancel Auxiliary Input mode.

Note that audio played via the auxiliary input will be played in mono through the speaker and in stereo through stereo headphones.

**Note:** If the clock radio is in Auxiliary input mode with no input signal being applied for more than 15 minutes then it will automatically switch to the standby mode. The LCD will revert to the standby mode clock display. To use the clock radio again, simply press the On/Off button to switch it on.



## General

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 on the rear of the clock radio.

- Your clock radio and AC/DC adaptor should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the clock radio or adaptor.
- 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.
- There are no user serviceable parts inside this product.
- Do not attempt to disassemble any part of the product.
- The product must be used in a moderate climate.

---

## Specifications

### Power Requirements

Mains AC 100 ~ 240 volts, 50/60Hz (adaptor)  
(Use only the supplied adaptor)

### Frequency Coverage

FM 87.5-108MHz  
DAB 174.928 - 239.200MHz

## Circuit Features

Headphone socket	3.5mm dia.
Auxiliary Input socket	3.5mm dia.
Aerial System	FM / DAB wire 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.

Procedure:

Any claim under this guarantee should be made through the dealer from whom the product was purchased. It is likely that your Roberts dealer will be able to attend to any defect quickly and efficiently, but should it be necessary the dealer will return the product to the company's service department for attention. In the event that it is not possible to return the product to the Roberts dealer from whom it was purchased, please contact Roberts Radio using the contact details on the [www.robertsradio.com](http://www.robertsradio.com) website.

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

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

### ROBERTS RADIO LIMITED

PO Box 130  
Mexborough  
South Yorkshire  
S64 8YT

Website: <http://www.robertsradio.com>

