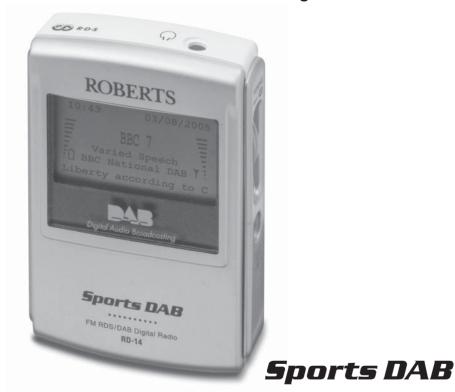
# **RD14**

FM RDS/DAB Digital Personal Radio



Please read this manual before use

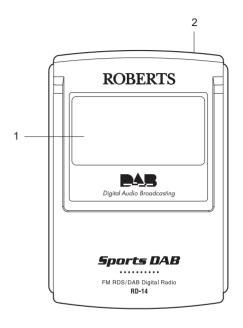
Download from Www.Somanuals.com. All Manuals Search And Download.

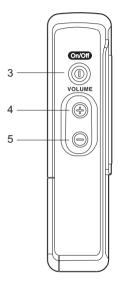
# Contents

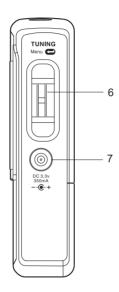
Controls	3-4
Display	4
Batteries	5
Using the AC adaptor	6
Earphones	6
First time operation - DAB	7
Menu/option screens	8
Selecting a station - DAB	9
Adjusting the volume level	10
Favourites' menu - DAB	11
Find services menu - DAB	12
Autotune band III (UK) - DAB	12
Autotune band III - DAB	13
Channel tuning - DAB	14
Frequency tuning	15
Display mode - DAB	16
Service information - DAB	17
Autoselect - DAB	18
Operating your radio - FM	19
Search tuning - FM	20
Manual tuning - FM	20
Audio mode - FM	21

avourites' menu - FM	2
Display mode - FM	2
(eylock	2
Display backlight	2
lutolock	2
uto power off	2
System reset	2
General	2
Specifications	2
Circuit features	2
OAB (Band III) frequency table	2
lotes	3
Guarantee	3

#### **Controls**







- 1. LCD display
- 2. Headphone socket
- 3. On/off button
- 4. Volume up button

- 5. Volume down button
- 6. Tuning jog wheel
- 7. DC input socket

# **Display screens**

Your radio has two display modes Full Information and Full text. These are displayed and can be altered in the **Settings menu** sub menu display mode (page 16 DAB and 23 FM).

#### Full Info screen

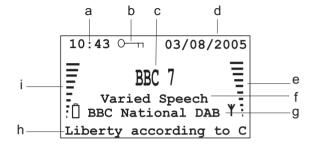
The Full info mode will display the following:-

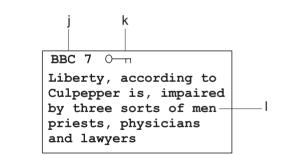
- a. The time in 24 hour format
- b. Keylock indicator when enabled
- c. Service/station name
- d. Date
- e. Signal strength meter
- Programme type
- g. Ensemble name
- h. Scrolling DLS/Radio text
- i. Battery meter

#### Full text screen

The Full text mode will display the following:-

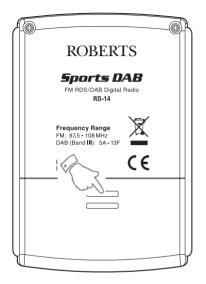
- j. Service/station name
- k. Keylock indicator when enabled
- DLS/Radio text(up to 6 lines of DLS/radio text)





#### **Batteries**

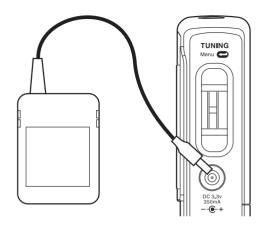
- Press the Power On/Off button to switch the radio off before replacing batteries.
- 2. Open the battery cover located on the rear of the radio by pushing the cover in and down where shown.
- Insert 2 x AA size batteries into the compartment. Make sure the (+) and (-) ends of the batteries are positioned as shown inside the compartment.
- 4. Close the battery cover.
- 5. Batteries should be replaced when the **Battery Level** icon shows two bars or less.
- 6. Press the *Power On/Off* button to switch the radio on after batteries have been replaced.
- 7. If the radio is not to be used for an extended period of time it is recommended that the batteries are removed from the radio.
- 8. The radio retains all settings. Battery replacement does not cause station list or favourites to be lost.



# Using the AC adaptor

The AC adaptor for use with your RD-14 should provide 3 volts DC output at 350mA centre pin positive (Roberts type PU14).

- Insert the adaptor plug into the DC socket on the right side of your radio.
   Plug the adaptor into a standard 13A mains socket outlet. Whenever the adaptor is used the batteries are automatically disconnected.
- 2. The AC adaptor should be disconnected from the mains supply and the radio when not in use

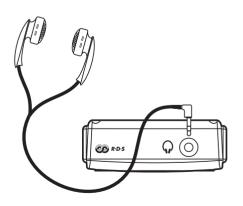


# **Earphones**

The lead connecting earphones to your radio acts as an aerial when plugged into the *Earphone socket*. The lead should be extended as much as possible to increase reception.

- Plug the earphones into the *Earphone Socket* on the top of your radio.
- 2. Check the *Volume Level* icon shows that the volume is not too loud and place the ear-pieces into your ears.

Do not switch on the radio with the earphones connected and inserted in your ear. Loud noises can damage your hearing.



# First time operation - DAB

This step is only necessary for first time operation - proceed to page 8 if this step has been carried out

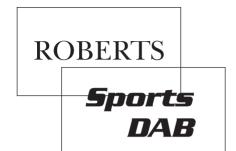
- Check that the batteries have been installed correctly.
- Plug the earphones into the socket on the top of your radio.
- Press the **Power On/Off button** on the left hand side of your radio.
- 4. The Display Screen will show "Roberts" followed by Sports DAB " for a few seconds
- The screen will then show the **Find Services Menu**.
- Click the Jog wheel to enter the Find Services Menu.
- 7. Turn the Joa wheel either clockwise or anti-clockwise to highlight Band III (UK).
- 8. Click the Jog wheel to select Band III (UK) and the radio will perform an autotune. The radio will scan for all available stations. A scanning message and progress bar will appear on the display.
- 9. When the Autotune is completed the first station (in numeric-alpha order 0...9...A....Z) will be selected.
- 10. If no signals are found it may be necessary to relocate your radio to a position giving better reception.













# Find services

#### Band III (UK)

Band III Manual Tune Back..

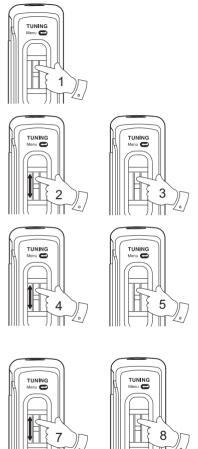
> Autotune Band III (UK) IID

Digitall Network Services found 12

# Menu/option screens

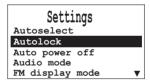
Your radio has graphical Icons to represent each of the menu options. Once in any of the five menus further options will be displayed - the options will change depending on the waveband selected.

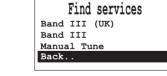
- To enter the menus from normal radio display mode press the Jog wheel.
- To scroll through the various menus push the Jog wheel up or down.
- 3. To select a menu press the Jog wheel.
- You can scroll through the various sub options by pushing the *Jog* wheel up or down.
- 5. Press the Jog wheel to select and carry out the option.
- Each of the options and menu screens have a "Back" option so that you can exit back to a previous mode or screen without making a change.
- 7. Highlight the "Back" option by pushing the *Jog wheel* up or down.
- 8. Press the *Jog wheel* to select back to exit the options or menu screen









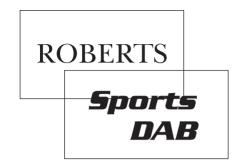




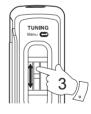
#### Selecting a station - DAB

- Press the *On/Off button* to switch on your radio. The display will show "Roberts" followed by Sports DAB " for a few seconds.
- Turn the *Jog wheel* either clockwise or anti-clockwise to display the station list.
- Turn the Jog wheel to scroll through available stations until the station you wish to listen to is highlighted. The Up and Down scroll arrows indicate that you will need to scroll either further up the display or down to view the whole station list.
- 4. Click the *Jog wheel* to select a station. Your radio will tune to your selection. The display will show the new station information.
- The signal strength indicator on the right hand side of the display shows the signal strength for the currently playing station. Use the indicator to help position your radio for best reception.
- When displaying the station list holding in the Jog wheel for approx.
   2 seconds will return the radio to normal radio mode.
- If no station is selected or the interval between using the Jog wheel is greater than 5 seconds the function will time out and the display screen will revert to normal radio mode (play mode).

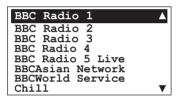


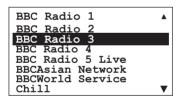


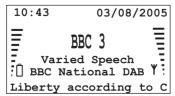








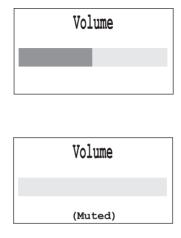




# Adjusting the volume Level

- Press the Volume Up or Down button to increase or decrease the volume.
- 2. A bargraph on the display will indicate the volume level.
- Pressing and holding down the Volume Up or Down buttons will continue to alter the volume until the button is released or the maximum/minimum level is reached.
- When the radio is scanning or selecting stations the volume indicator will not be displayed.
- 5. When the volume is set at 0 the mute indicator will be displayed.



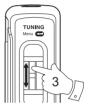


#### Favourites' menu - DAB

The favourite menu allows you to add or remove stations from your favourites list. Stations added to your favourites list will appear at the top of the station list marked with a heart.

- When in normal radio mode click and release the Jog wheel and the favourites menu will appear on the display.
- 2. Click the Jog wheel. The radio will open the favourites menu.
- 3. To add a favourite station turn the *Jog wheel* until "Add" is highlighted on the display.
- 4. Click the *Jog wheel* the radio will add the current stations to the favourites station list and will then return to normal radio mode.
- If you are listening to the secondary stations only the primary station will be added
- To remove a favourite station turn the *Jog wheel* until *Remove* is highlighted on the display.
- 7. Click the Jog wheel the radio will remove the current station from the favourite station list and will then return to normal radio mode.
- 8. The maximum stations you can store in the favourites list is 128 entries. If the favourites station list is full the current station will not be added and the favourites menu shall remain unchanged.



















#### Find Services Menu - DAB

The *Find Services Menu* allows you to autotune or to manually tune your radio.

#### Autotune Band III (UK) - DAB

Carry out this procedure if you move the radio to a different area or new stations become available.

- Click and release the *Jog wheel* the Favourites menu will appear on the display.
- Turn the Jog wheel until the Find Services Menu appears on the display.
- Click the *Jog wheel* and open the *FInd Services Menu*. The radio will display the Find services menu.
- To scan the UK DAB only channels turn the *Jog wheel* until *Band III* (UK) is highlighted on the display.
- 5. Click the Jog wheel Autotune will appear on the display.
- Aprogress bar will be shown on the display indicating autotune progress and number of stations found.





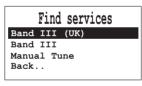
TUNING

Menu 👝











Autotune
Band III (UK)
IID
Digitall Network

Services found 12

#### **Autotune Band III - DAB**

Carry out this procedure if you are operating your radio in a country other than UK.

- Click and release the *Jog wheel* the Favourites menu will appear on the display.
- Turn the Jog wheel until the Find Services Menu appears on the display.
- Click the Jog wheel and open the Find Services Menu. The radio will display the Find services menu.
- To scan all the Band III DAB channels turn the Jog wheel until Band
   III is highlighted on the display. A full autotune of all DAB channels will be carried out.
- 5. Click the Jog wheel Autotune will appear on the display.
- 6. A progress bar will be shown on the display.

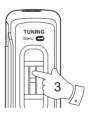








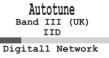












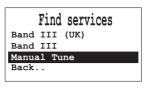
Services found 12

#### **Channel tuning - DAB**

- Turn the **Jog wheel** until **Manual Tune** is highlighted on the display.
- 2. Click the Jog wheel the Manual Tune options will appear on the display.
- Turn the Jog wheel until Channel is highlighted on the display.
- 4. Click the Joa wheel until the required channel is highlighted. If the channel can be received the Ensemble (group of stations) name will appear in the display
- Click the Jog wheel to select the Ensemble.
- 6. Turn the Jog wheel clockwise or anti-clockwise until you find the desired station.
- 7. Click the Jog wheel to select the desired station. The radio will attempt to tune to the station. The service database will be updated and the display will show the station name.
- 8. If no stations are found you can exit the Manual tune mode by clicking and holding the Jog wheel for approx. 2 seconds. The radio will return to the normal radio mode.

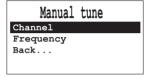






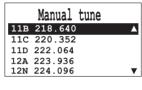


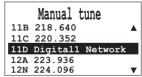






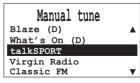












#### Frequency tuning - DAB

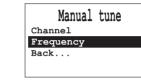
- Once in the Find Services Menu turn the Jog wheel until Manual Tune is highlighted on the display.
- Click the Jog wheel, the manual tune options will appear on the display.
- 3. Turn the Jog wheel until frequency is highlighted on the display.
- 4. Click the Jog wheel to enter the frequency tuning mode.
- Turn the *Jog wheel* clockwise or anti-clockwise until you find the desired frequency.
- 6. Click the Jog wheel to select the desired frequency.
- If the frequency can be received the Ensemble (group of stations) name will appear in the display. Click the *Jog wheel* to select the Ensemble.
- Turn the *Jog wheel* clockwise or anti-clockwise until you find the desired station.
- Click the *Jog wheel* to select the desired station. The radio will attempt to tune to the station. The service database will be updated and the display will show the station name.
- 10. If no stations are found you can exit the Manual tune mode by clicking and holding the Jog wheel for approx. 2 seconds. The radio will return to the normal radio mode.





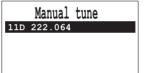






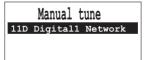


















# Display mode - DAB

Your radio has two display modes when using the DAB waveband:-

- Full information shows station name, time/date, signal and battery level and a single line of scrolling text (DLS)
- Full text shows station name and full text (DLS without scrolling making the text easier to read)

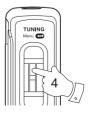
To select the required DAB display mode proceed as follows:-

- From the Settings Menu turn the Jog wheel clockwise or anti-clockwise until DAB display mode is highlighted on the display.
- 2. Click the Jog wheel, the DAB display mode options will appear.
- 3. Turn the Jog wheel until required mode is highlighted.
- 4. Click the *Jog wheel* to select the required mode.









# Settings

Auto power off Service information

# DAB display mode

System reset

# DAB Display Mode

#### Full info

Full text

DAB Display Mode

Full info Full text Back...

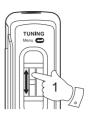
BBC 7

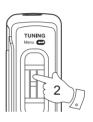
Liberty, according to Culpepper is, impaired by three sorts of men priests, physicians and lawyers

#### Service information - DAB

The Service information menu displays technical information about the current station.

- 1. From the **Settings Menu** turn the **Jog wheel** clockwise or anti-clockwise until Service Information Menu is highlighted on the display.
- 2. Click the Jog wheel the Service Information Menu will be displayed.
- 3. The following service information will be displayed Bit rate in kbps Audio mode - Mono/stereo/joint stereo DAB mode I. II.III Protection level Start CU and length
- 4. To exit the Service Information Menu click and hold in the Jog wheel for approx. 2 seconds. The radio will return to normal radio mode.





# Settings

Autoselect Autolock

Auto power off Service information

DAB display mode

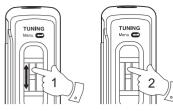
# Service Information

256kbps Bit rate Audio type J. Stereo DAB mode TTT Protection EEP-4B Start/Length 000/000

#### **Autoselect - DAB**

As an alternative to pressing the Jog wheel to select a station your radio has the facility to automatically select a station.

- 1. From the **Settings Menu** turn the **Jog wheel** clockwise or anti-clockwise until the Autoselect is highlighted on the display.
- Click the Jog wheel to select Autoselect.
- Turn Jog wheel until "ON" is highlighted .
- Click the Jog wheel to select ON.
- 5. Turn the tuning jog wheel until the station you require is visible on the display, after a few seconds your radio will automatically select the station shown on the display.
- 6. From the **Settings Menu**, to switch off **Autoselect** turn the **Jog wheel** until "OFF" is highlighted.
- 7. Click the Jog wheel to select OFF. Your radio will return to normal radio mode.





#### Settings Autoselect

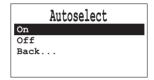
# Autolock

Auto power off Service information DAB display mode

▼

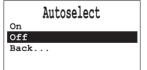










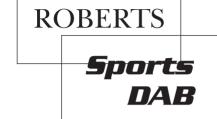


# Operating your radio - FM

- 1. Press the *On/Off button* to switch on your radio. The display will show "Roberts" followed by "Sports DAB" for a few seconds.
- Click and release the Jog wheel and the favourites menu will appear on the display.
- 3. Turn the Jog wheel until Switch to FM Menu appears on the display.
- Click the Jog wheel and the radio will switch to the FM waveband.

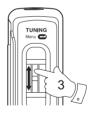
















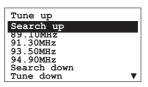


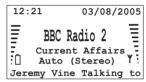
# Search tuning - FM

- Turn the Jog wheel until Search Up or Down is highlighted on the display.
- Click the *Jog wheel* and your radio will search in an upwards or downwards direction until it finds a station of sufficient strength. After a few seconds the display will update and show station name followed by the time/date and radio text
- To search for other stations repeat the above steps. The signal strength indicator on the right hand side of the display shows the signal strength for the currently playing station. Use the indicator to help position your radio for best reception.
- When the waveband end is reached your radio will recommence tuning from the opposite waveband end. Clicking the Jog wheel during search tuning will exit the search.



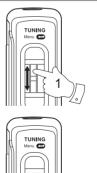






# Manual tuning - FM

- Turn the Jog wheel until Tune Up or Down is highlighted on the display.
- Turn the *Jog wheel* and your radio will search in an upwards or downwards direction. The frequency will increase or decrease in 50 kHz steps.
- 3. Release the Jog wheel when the desired frequency is reached.
- 4. To exit *Manual tuning* click and hold in the Jog wheel.





Tune up 87.5MHz Search up Search down Tune down

#### Audio mode - FM

If a station being received is weak some hiss may be audible changing the audio mode to mono can reduce the hiss.

- From the Settings Menu turn the Jog wheel clockwise or anti-clockwise until Audio mode is highlighted on the display.
- 2. Click the Jog wheel the Audio mode options will be displayed.
- 3. Turn Jog wheel until "Mono" is highlighted .
- Click the *Jog wheel* to select mono. Your radio will select the mono audio mode.
- 5. To switch back to Stereo (Auto) mode.
- 6. Turn Jog wheel until "Auto" is highlighted.
- Click the *Jog wheel* to select Auto. Your radio will select the Stereo (Auto) audio mode.

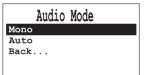
















Audio Mode
Mono
Auto
Back...

#### Favourites' menu - FM

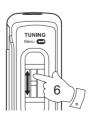
The favourite menu allows you to add or remove stations from your favourites list. Stations added to your favourites list will appear at the top of the station list marked with a heart.

- When in normal radio mode click and release the Jog wheel and the favourites menu will appear on the display.
- 2. Click the Jog wheel. The radio will open the favourites menu.
- 3. To add a favourite station turn the *Jog wheel* until "Add" is highlighted on the display.
- Click the *Jog wheel* your radio will add the current station to the favourites station list and return to normal radio mode.
- 5. Favourite stations appear in the tuning display marked with a
- To remove a favourite station turn the *Jog wheel* until *Remove* is highlighted on the display.
- 7. Click the *Jog wheel* your radio will remove the current station from the favourite station list and return to normal radio mode.
- 8. The maximum number of stations you can store in the favourites list is 128. If the favourite station list is full the current station will not be added and the favourites menu will remain unchanged.





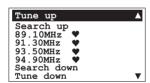














# Display mode - FM

Your radio has two display modes when using the FM waveband:-

- a. Full info shows station name, time/date, signal and battery level and a single line of scrolling text (Radio text)
- Full text shows station name and full text (Radio text without scrolling making the text easier to read)

To select the required FM display mode proceed as follows:-

- From the Settings Menu turn the Jog wheel clockwise or anti-clockwise until FM display mode is highlighted on the display.
- 2. Click the Jog wheel, the FM display mode options will appear.
- 3. Turn the Jog wheel until required mode is highlighted.
- 4. Click the Jog wheel to select the required mode.









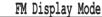
# Settings

Auto power off Service information

▼

#### FM display mode

System reset Back...



#### Full info

Full text

FM Display Mode

# Full info

Back...

BBC Radio 2

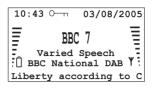
Jeremy Vine Talking to the people who make the news.

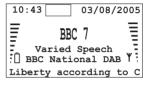
# **Keylock function**

The **Keylock function** is used to prevent unintentional change of station.

- Hold in the Jog wheel for 2 seconds to switch on the keylock function.
   The keylock indicator O—n will show on screen. The Jog wheel will be disabled preventing accidental station or settings change when your radio is carried in your pocket.
- To switch off the Keylock function hold in the Jog wheel for 2 seconds. The keylock function will be disabled and the keylock indicator will disappear from the display.

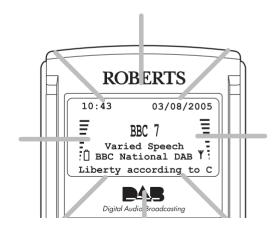






# Display backlight

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

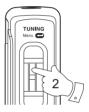


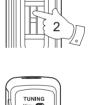
#### **Autolock**

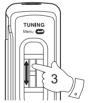
With Autolock switched on a few seconds after a station is selected the Keylock symbol will appear in the display preventing accidental station or settings change. The Keylock can be switched off by pressing and holding in the Jog wheel until the Keylock symbol disappears from the display.

- From the Settings Menu turn the Jog wheel clockwise or anti-clockwise until Autolock is highlighted on the display.
- 2. Click the Jog wheel the autolock menu will be displayed.
- 3. To switch on *Autolock* turn the *Jog wheel* until "ON" is highlighted.
- Click the *Jog wheel* to select ON. The autolock function is now enabled.
- To switch off the *Autolock* function, turn the Jog wheel until "OFF" is highlighted.
- 6. Click the *Jog wheel* to select OFF. The autolock function will now be disabled and the radio will return to normal radio mode.











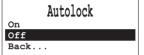


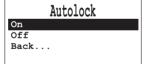


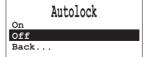
#### Settings Autoselect

#### Autolock

Auto power off Service information DAB display mode







#### Auto power off

The **Auto Power Off function** will allow your radio to automatically switch off after a preset time has elapsed. The preset time starts after the last time any button is pressed.

- From the Settings Menu turn the Jog wheel clockwise or anti-clockwise until Auto power off is highlighted on the display.
- 2. Click the Jog wheel the Auto power off menu will be displayed.
- 3. Turn the Jog wheel to highlight either 30, 60 or 90 minutes.
- Click the *Jog wheel* to select the auto power off time. Your radio will return to normal radio mode and switch off after the selected amount of time.
- 5. To disable the auto power off function, turn the *Jog wheel* until "Disabled" is shown on the display.
- Click the *Jog wheel* to select and your radio will return to the normal radio mode.





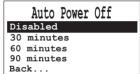


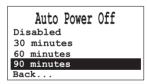


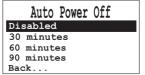


TUNING

# Settings Autoselect Autolock Auto power off Service information DAB display mode







# System reset FM and DAB

The **System reset function** will erase all settings, station lists, favourite stations and restore default settings as follows:-

Service database empty Favourite services list empty Previously selected service empty DAB display mode set to Full info Autoselect function disabled Autolock function disabled Auto power off set to disabled Volume set to 25% of maximum

- 1. From the **Settings Menu** turn the **Jog wheel** clockwise or anti-clockwise until the **System reset** is highlighted on the display.
- Click the Jog wheel to select System reset menu.
- Turn the Jog wheel until "YES" is highlighted on the display.
- 4. Click the Jog wheel to select "YES". Your radio will perform a full reset operation.
- 5. If you do not wish to perform a Reset, turn the Jog wheel until "NO" is highlighted on the display.
- 6. Click the Jog wheel to select "NO". Your radio will return to normal radio mode.

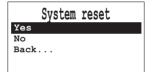




Settings Auto power off Service information DAB display mode System reset Back...

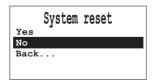












#### General

Do not allow this unit to be exposed to moisture e.g. dripping or splashing. Do not leave your radio where excessive heat could cause damage such as in a parked car where the heat from the sun can build up even though the outside temperature may not seem too high.





# **Specifications**

#### **Power Requirements**

Mains (via AC adaptor)

AC 230 volts, 50Hz \( \square\) only/DC 3V 350mA

Batteries 2 x LR6 (AA size)

**Battery Life** 

Approx. 8 hours of listening for 4 hours a day at normal volume using alkaline cells.

Circuit Features

Headphones 32 ohms, in-ear style, with in-line aerial

element

Output Power 3mW

Headphone socket 3.5mm dia

#### **Frequency Coverage**

FM 87.5-108MHz DAB band III 5A - 13F

# DAB (Band III) frequency table

Channel	Frequency	Channel	Frequency
5A	174.928 MHz	9D	208.064 MHz
5B	176.640 MHz	10A	209.936 MHz
5C	178.352 MHz	10B	211.648 MHz
5D	180.064 MHz	10C	213.360 MHz
6A	181.936 MHz	10D	215.072 MHz
6B	183.648 MHz	11A	216.928 MHz
6C	185.360 MHz	11B	218.640 MHz
6D	187.072 MHz	11C	220.352 MHz
7A	188.928 MHz	11D	222.064 MHz
7B	190.640 MHz	12A	223.936 MHz
7C	192.352 MHz	12B	225.648 MHz
7D	194.064 MHz	12C	227.360 MHz
8A	195.936 MHz	12D	229.072 MHz
8B	197.648 MHz	13A	230.784 MHz
8C	199.360 MHz	13B	232.496 MHz
8D	201.072 MHz	13C	234.208 MHz
9A	202.928 MHz	13D	235.776 MHz
9B	204.640 MHz	13E	237.488 MHz
9C	206.352 MHz	13F	239.200 MHz

UK Band III Channels

Notes:

#### 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 on the rear of this manual.

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





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