

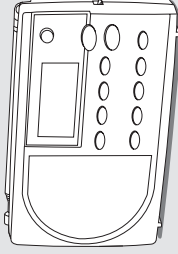
**SANGEAN**



**DPR-65**

Operating instruction GB  
Mode d'emploi FR  
Instrucciones de uso ES  
Gebruiksaanwijzing NL  
Bedienungsanleitung D

DAB+ / FM-RDS Digital Radio Receiver  
Récepteur radio numérique DAB+ / FM-RDS  
Receptor de radio digital DAB+ / FM-RDS  
DAB+ / FM-RDS digitale radio-ontvanger  
Digitaler DAB+ / UKW-RDS-Radioempfänger



CE

3AB1U31000000

Table of contents

<i>Important safety instructions</i> .....	2-4	<i>Display modes – FM</i> .....	20
<i>Controls</i> .....	5-6	<i>Presetting stations / Recalling a preset – DAB and FM</i> .....	21-22
<i>Battery operation</i> .....	7-8	<i>Stereo / Mono setting – FM</i> .....	23-24
<i>Using the AC adaptor / Lock switch</i> .....	9	<i>Scan sensitivity setting – FM</i> .....	25-26
<i>Operating your radio – DAB</i> .....	10	<i>Software version / System reset</i> .....	27-28
<i>Selecting a station /</i>		<i>Headphone socket / Display backlight</i> .....	29
<i>Secondary services – DAB</i> .....	11-12	<i>Specifications / Circuit features</i> .....	30
<i>Display modes – DAB</i> .....	13		
<i>Finding new stations – DAB</i> .....	14		
<i>Manual tuning – DAB</i> .....	15		
<i>Dynamic range control – DAB</i> .....	16		
<i>Operating your radio – FM</i> .....	17-18		
<i>Manual tuning – FM</i> .....	19		



### Important safety instructions

1. Read and understand all safety and operating instructions before the radio is operated.
2. Retain instruction: The safety and operating instructions should be retained for further reference.
3. Heed warnings. All warnings on the appliance and operating instructions should be followed.
4. Follow all operations and use instructions.
5. Water and moisture: The appliance should not be used near water. Do not use near a bathtub, washbowl, laundry tub, kitchen sink, wet basement, swimming pool, etc.
6. Unplug the radio from the AC power outlet before cleaning. Use only a damp cloth for cleaning the exterior of the radio.

**GB**

7. Do not place the radio on an unstable cart, stand, bracket or table. The radio may fall, causing serious personal injury and damage to the radio.
8. Ventilation: This radio should be situated so that its location or position does not interfere with its proper ventilation. For example, the radio should not be used on a bed, sofa, rug or other soft surfaces that may block the ventilation openings. It should not be placed in a built-in situation like a cabinet that may reduce air flow through the ventilation openings.
9. Power sources: The radio should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your radio dealer or power company.





10. Mains adaptor: The mains adaptor should be positioned so it is not walked on, pinched, or items placed on top of it. Pay particular attention to wires at plugs, convenience receptacles, and the point where they exit from the unit. Unplug the mains adaptor by gripping the adaptor, not the wire. Operate the radio using only the current type of power source indicated. If you are not sure of the type of power supply to your home, consult your dealer or local power company.

11. Do not overload wall outlets or extension cords. This can result in a risk of fire or electrical shock. Never insert objects of any kind into the radio through opening. The objects may touch dangerous voltage points or short out parts. This could cause a fire or electrical shock.

12. If the radio is left unattended or unused for long periods of time, unplug it from the wall outlet. This will prevent damage caused by lightning or power line surges.

13. If the radio is left unattended and used for a long period of time, remove the batteries. The batteries may leak and damage furniture or your radio.

14. Do not attempt to service the receiver yourself. Removing the cover may expose you to dangerous voltage, and will void the warranty. Refer all servicing to authorized service personnel.

15. Never push objects of any kind into this radio through opening as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind into the product.



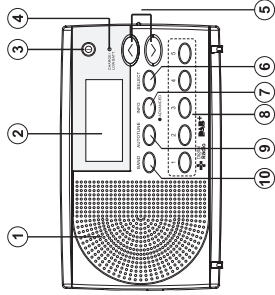


CB

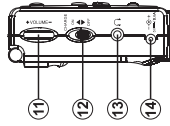
16. The appliance should be serviced by qualified service personnel when:
- A. The power supply cord or the plug has been damaged.
  - B. Objects have fallen or liquid had been spilled into the radio.
  - C. The radio has been exposed to rain or water.
  - D. The radio does not appear to operate normally or exhibits a marked change in performance.
  - E. The radio has been dropped, or the enclosure damaged.



### Controls and connections



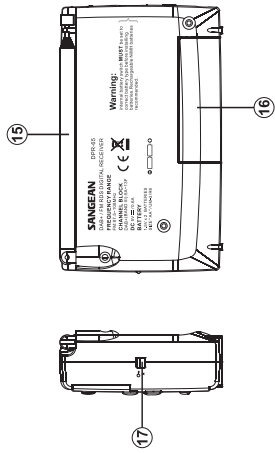
1. Speaker
2. LCD display
3. Power on/off
4. Charge / Battery Low indicator
5. Tuning Up / Down buttons
6. Select button
7. Infobutton



8. Preset buttons
9. Autotune button
10. Band button
11. Volume control
12. Alkaline/NiMH/NiCad rechargeable battery switch
13. Headphone socket
14. DC jack socket



### Controls and connections



- 15. Telescopic aerial
- 16. Battery compartment
- 17. Lock switch



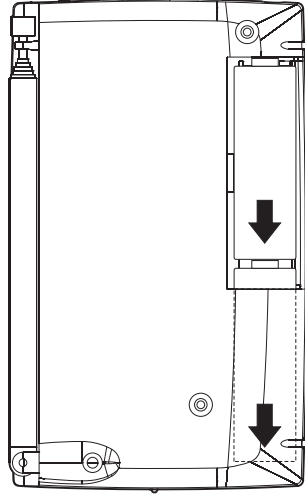
## Battery operation

1. Remove the battery compartment cover on the back of the unit by sliding the cover downwards. Open the battery compartment door.

Note:

Before you insert the batteries, if you use non-rechargeable batteries, make sure the NiMH/NiCad/Alkaline switch which is located on the side of the unit is switched to OFF. If you use rechargeable batteries, make sure to switch NiMH/NiCad/Alkaline switch to ON.

2. Insert two LR6 (AA size) batteries into the space in the compartment. Take care to ensure all batteries are inserted with the correct polarity as shown on the rear of your radio. Close the battery compartment door.
3. When the battery capacity drops below a certain level the low battery indicator will light. When you see this indicator you should replace the batteries as soon as it is convenient to do so. Reduced power, distortion and a "stuttering" sound are also signs that the batteries may need replacing.







4. If the radio is not to be used for any extended period of time it is recommended that the batteries are removed from the radio. We would recommend for economy that the DPR-65 is used via the mains adaptor whenever possible with battery operation for occasional use only.

**IMPORTANT:**

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

**Note:**

The batteries can be charged only when the radio is off. Connect the mains adaptor into the DC jack socket to charge the batteries. Be sure the battery type switch is set to ON. Charge new batteries fully the first time before first use. This can take longer depending on the capacity of the rechargeable batteries.

Do not use a mix of old and new rechargeable batteries.  
Do not use a mix of full and empty rechargeable batteries.  
Do not use batteries that have a different mAh capacity.  
Do not use damaged or leaking batteries.





### Using the AC adaptor

Your radio is supplied with a Mains Adaptor.

1. Place your radio on a flat surface.
2. Insert the adaptor plug into the DC socket located on the left hand side of your radio.
3. Plug the adaptor into a mains socket outlet. Whenever the adaptor is used with the radio, it will take power from the mains rather than from the batteries.

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

**IMPORTANT:**



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

9



### Lock switch

The lock switch is used to prevent unintentional operation of your radio.

1. Set the Lock switch located on the side of your radio to the "Lock" position  and the power and all other buttons will be disabled. This will prevent accidental operation when your radio is packed in a suitcase or travel bag.
2. To release the lock, slide the Lock switch down to the "Unlock" position .

**IMPORTANT:**

'Key Locked' will show on the display if pressing the buttons when the radio is locked. The radio will not be able to be turned on if locking the radio when it's in power off mode.

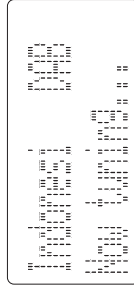
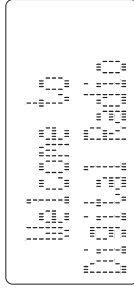




## Operating your radio – DAB

GB

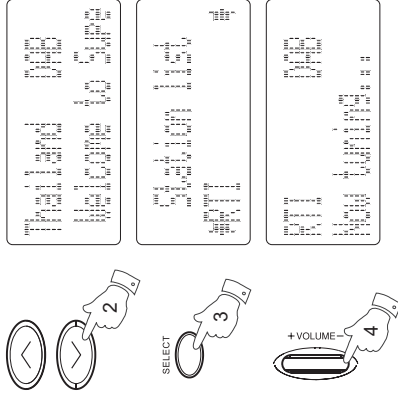
1. Carefully extend the telescopic aerial.
2. Press the Power On/Off button to switch on your radio. The display will show "Welcome to Digital Radio" briefly.
3. If this is the first time the radio is used a quick scan of the Band III DAB channels will be carried out. The display will show "Welcome to DAB". If the radio has been used before the last used station will be selected.
4. During the scanning process, as new stations are detected the station counter on the right hand side of the display will increase and stations will be added to the list. The lower line of the display shows a bar-graph indicating progress of autotune.
5. When the scanning is complete the first station (in numeric-alpha order 0...9...A...Z) will be selected.
6. If the station list is still empty after the scan your radio will display "No DAB station".
7. If no signals are found it may be necessary to relocate your radio to a position giving better reception.



### Selecting a station –DAB


1. The top line of the display shows the name of the station currently selected.
2. Press the Tuning Up/Down buttons to scroll through the list of available stations.
3. Press and release the Select button to select the station. The display may show "Now tuning..." while your radio finds the station.
4. Adjust the Volume control to the required setting.

**Note:**  
If after selecting a station the display shows "Not Available" it may be necessary to relocate your radio to a position giving better reception.





### Secondary services – DAB

1. Certain radio stations have one or more secondary services associated with them. If a station has a secondary service associated with it the display will show  next to the station name on the station list. The secondary service will then appear immediately after the primary service as you press the Tuning Up button.

2. Press the Select button to select the station.



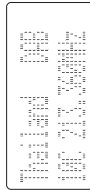
GB



## Display modes – DAB

Your radio has seven display modes:

1. Press the Info button to cycle through the various modes:
  - a. Scrolling Text  
Displays scrolling text messages such as artist/track name, phone in number etc.
  - b. Program Type  
Displays the type of station be listened to e.g. Pop, Classic, News etc.
  - c. Multiplex Name  
Displays the name of DAB multiplex to which the current station belongs.
  - d. Time and Date  
Displays the current time and date.
  - e. Channels & Frequency  
Displays the frequency of DAB multiplex for the station listened to.
  - f. Bitrate & Audio type  
Displays the digital bit rate & audio type for the station being listened to
  - g. Signal Strength  
Displays a graph showing the signal strength for the station being received.



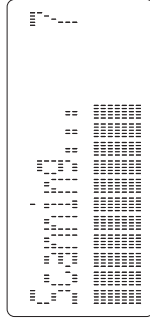


## Finding new stations – DAB

GB

As time passes new stations may become available. To find new stations proceed as follows:

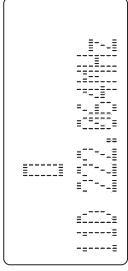
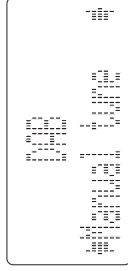
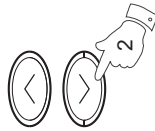
1. Press and release the Autotune button. The display will show "Scanning". Your radio will perform a scan of the DAB frequencies. As new stations are found the station counter on the right-hand side of the display will increase and stations will be added to the list.



## Manual Tuning – DAB

Manual tuning allows you to tune directly to the various DAB Band III channels.

1. Press and hold the Info button to enter the advanced setting menu.
2. Press either the Tuning Up/Down button until the display shows "Manual tune".
3. Press the Select button. Press either the Tuning Up/Down button to adjust the required DAB channel.
4. Press and release the Select button to select the required DAB channel. The clear unfilled rectangle indicates the minimum signal level required for satisfactory reception. The signal strength bar will go up and down showing the changing signal strength as you adjust the telescopic aerial on your radio.
5. When a DAB signal is found, the display will show the name of the DAB multiplex. Any new radio stations found will be added to the list stored in the radio.
6. Press and release the Select button to return to normal tuning.





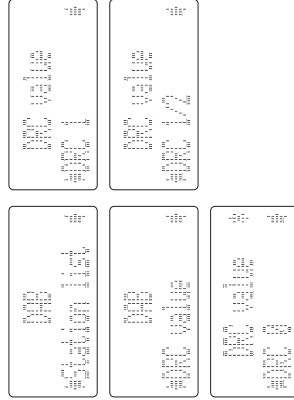
### Dynamic Range Control settings – DAB

Dynamic Range Control (also known as DRC) can make quieter sounds easier to hear when your radio is used in a noisy environment.

1. Press the Power On/Off button to switch on your radio.
2. Press and hold the Info button. The display will show "Station list".
3. Press the Tuning Up/Down buttons until the display shows "DRC value".
4. Press and release the Select button to enter the setting.
5. Press the Tuning Up/Down buttons to select the required DRC setting (the default is 0).  
DRC 0 – DRC is switched off, Broadcast DRC will be ignored.  
DRC 1 – DRC is set as sent by broadcaster.  
DRC 1/2 – DRC level is set to 1/2 that sent by broadcaster.
6. Press and release the Select button to confirm the setting. The display will return to normal tuning mode.

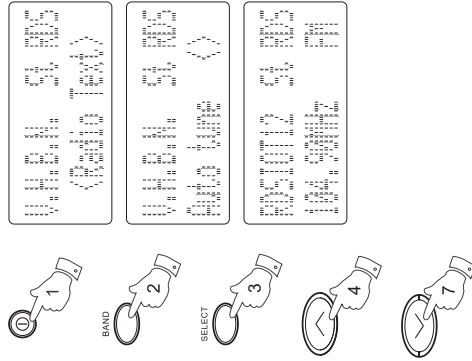
**Note:**

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



### Operating your radio – FM

1. Carefully extend the telescopic aerial.
2. Press the Power On/Off button to switch on your radio. The display will show "Welcome to Digital Radio" for a few seconds.
3. Press the Band button to select the FM band.
4. Press and release the Select button until the display shows "Auto tune <>".
5. Press the Tuning Up button. Your radio will scan from the currently displayed frequency in direction upwards and will stop scanning when it finds a station of sufficient strength.
6. The display will show the frequency of the signal which has been found. If RDS information is available, after a few seconds the display will show the radio station name. The display will also show "St" and "RDS" on the upper line if the station is received with stereo and RDS information.



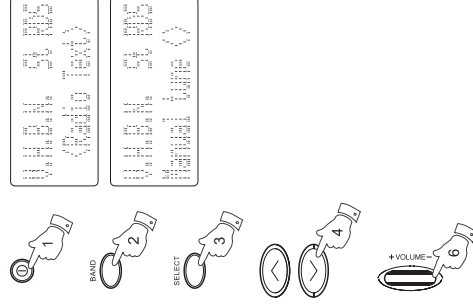


7. Press the Tuning Down button to scan the FM band in a downwards direction (high frequency to low frequency).
8. When the end of the waveband is reached your radio will recommencing tuning from the opposite end of the waveband.
9. Adjust the Volume control to the required setting.
10. To switch off your radio press the Power On/Off button.



## Manual tuning – FM

1. Press the Power On/Off button to switch on your radio.
2. Press the Band button to select the FM band. Fully extend the Telescopic aerial.
3. Press and release the Select button until the display shows "Manual tune < >".
4. Press either Tuning Up or Down button to tune to a station. The frequency will change steps of 50kHz. Pressing and holding one of the buttons will advance the frequency selection several times each second.
5. When the end of the waveband is reached the radio will recommence tuning from the opposite end of the waveband.
6. Adjust the Volume control to the required setting.
7. To cancel the Manual Tune option, press and release the Select button again so that the display shows "Auto tune < >".



## Display modes – FM

In FM mode the bottom line of the display can be set any of four display options.

1. Press the Info button to cycle through the various options.
  - a. Radio text Displays scrolling text messages such as artist/track name, phone in number etc.
  - b. Program type Displays the program information for the station being listened to e.g. Pop, Classic, News, etc.
  - c. Time and date Displays the current time and date.
  - d. Frequency Displays the frequency of the station being listened to.

**Note:**

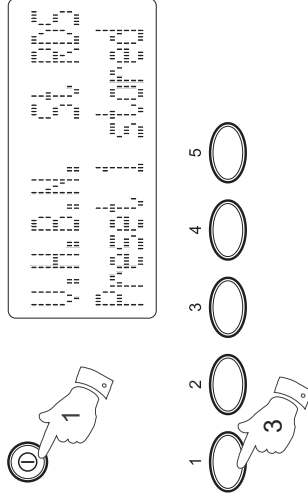
These FM mode information displays are only available when the radio is able to receive RDS information from the broadcaster.



### Presetting stations – DAB and FM

There are 5 memory presets for each of the two wavebands.

1. Press the Power On/Off button to switch on your radio.
2. Tune to the required station as previously described.
3. Press and hold the required Preset button until the display shows, for example, "Preset 1 stored". The station will be stored under the chosen preset button. Repeat the procedure for the remaining preset.
4. Stations stored in the presets may be overwritten by following the above procedure.

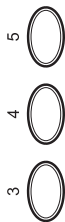
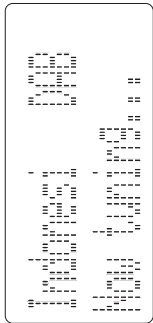




### Recalling a preset – DAB and FM



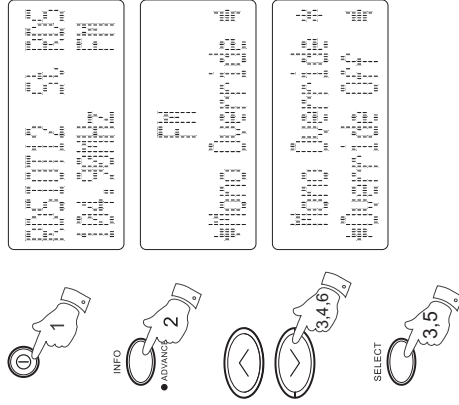
1. Press the Power On/Off button to switch on your radio.
2. Select the required waveband.
3. Momentarily press the required Preset button. Your radio will then tune to the station stored in preset memory.



### Stereo / Mono setting – FM

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

1. Press the Power On/Off button to switch on your radio. Tune to the required FM radio station as previously described.
2. Press and hold the info button to enter the advanced setting.
3. Press the Tuning Up/Down buttons until the display shows "Mono Override" on the lower line. Press the Select button. The lower line will show "Override Off" if the radio is in the Auto-Stereo mode.







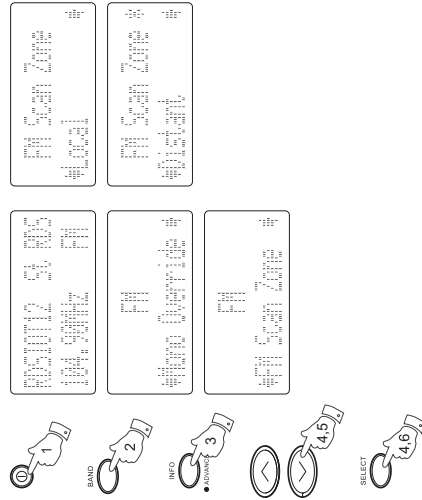
4. Press the Tuning Up/Down button to switch on the Mono-Override. While this setting is engaged, the radio will play the current station in mono whether listening via headphones or the loudspeaker. Mono-Override is a temporary setting and is applied to the currently tune station only. It is cancelled automatically by tuning to another radio station.
5. If you wish to cancel Mono-Override while listening to the currently tune radio station, press and hold the Info button and press the Tuning Up/Down buttons until the display shows "Mono Override" on the lower line. Press the Select button. The lower line will show "Override On" if the radio is in the Mono-Override mode.
6. Press the Tuning Up/Down button to switch off the Mono-Override. The radio will play the current station in stereo through headphone if the signal is sufficiently strong.



### Scan sensitivity setting – FM

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

1. Press the Power On/Off button to switch on your radio.
2. If needed, press the Band button to select the FM band.
3. Press and hold the Info button until the display shows "Mono Override" on the lower line.
4. Press and release the Tuning Up or Down buttons until the display shows "FM Scan Zone". Then press the Select button to enter the scan zone setting.





5. Press the Tuning Up or Down buttons to switch between Local and Distant options on the lower line of the display. The Distant option will allow the radio to find weaker signals when scanning.

6. Press the Select button to confirm your selection. The radio will then revert to the normal information display. The Local or Distant setting is stored in the radio and remains in force until changed or until a System Reset.

**Note:**

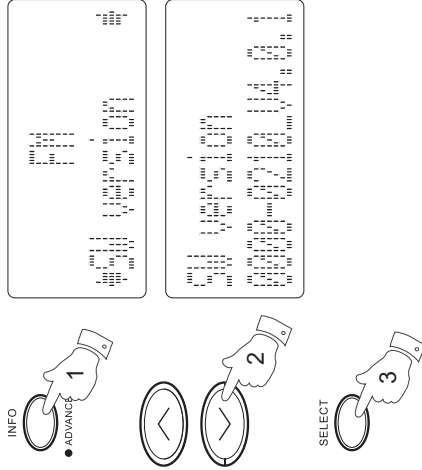
The initial setting (out of the box, or after a System Reset) causes the radio to ignore weak (distant) signals.



### Software version

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

1. To view the software version on the display press and hold the Info button to enter the menu.
2. Repeatedly press the Tuning Up/Down button until "SW version" appears on the display.
3. Press the Select button and the version number will appear on the display. After a few seconds the display will revert to the normal display mode.



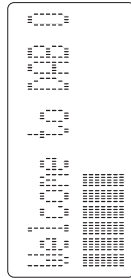
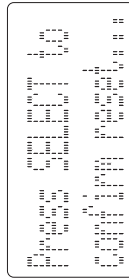
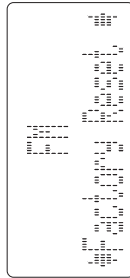
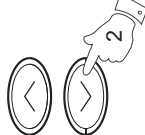


### System reset

GB

If your radio fails to operate correctly, or some digits on the display are missing or incomplete carry out the following procedure.

1. Press and hold the info button for 2 seconds to enter the menu.
2. Repeatedly press the Tuning Up/Down button until the display shows "Factory Reset", the press the Select button.
3. If you wish to perform the reset operation, press the Select button one more time. A full reset of your radio will be performed. All presets and station lists will be erased.
4. After a system reset a scan of the DAB band will be performed. In case of malfunction due to electrostatic discharge, reset the product (reconnection of power source may be required) to resume normal operation.





### Headphone socket

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

**IMPORTANT:**

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

### Display backlight

1. When using on batteries, the display backlight will be switched on for approximately 12 seconds when any button is pressed.
2. When your radio is powered by AC mains the display backlight will always be on when the radio is switched on.





### Specifications

#### Power Requirements

Mains DC 5V ~/0.6A  
Batteries 2 x LR6 (AA size) Alkaline or NiMH rechargeable

#### Frequency Coverage

FM: 87.5 – 108 MHz  
DAB: 5A 174.928 – 13F 239.200MHz

### Circuit Features

Loudspeaker 2" 8 ohm full range

Output Power 0.2 Watt

Headphone socket 3.5mm dia.

Aerial System FM telescopic rod aerial

GB



*If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.*  
(Waste Electrical and Electronic Equipment Directive)

