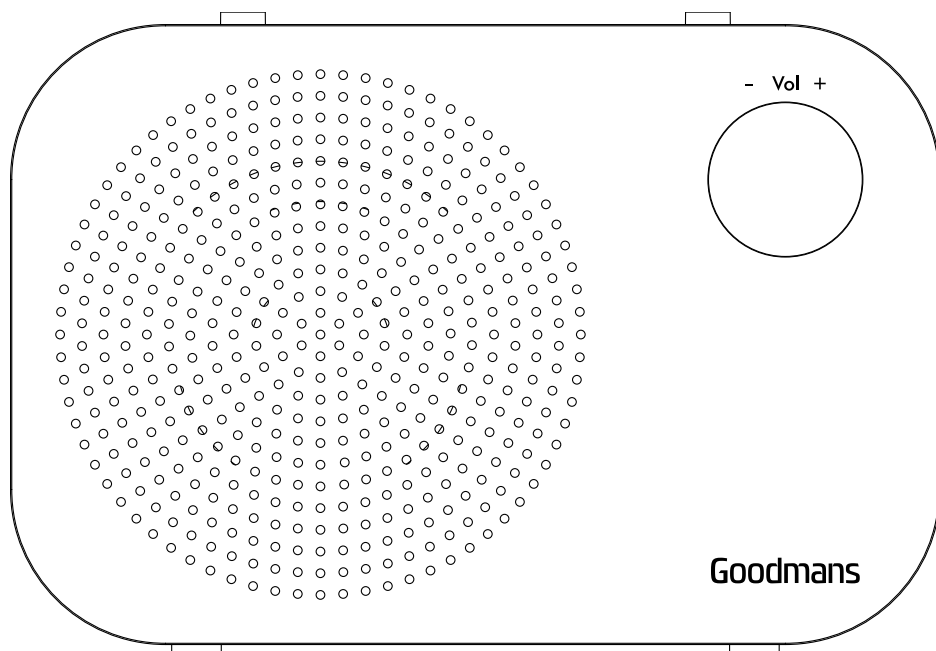


DAB DIGITAL/FM RADIO



USER MANUAL

MODEL: 365112



Goodmans

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1 Welcome

Thank you for choosing this Goodmans product. We've been making electronics for the British people for over 90 years. Each of our projects has been carefully designed to be great at what it does and this one is no exception. We hope you enjoy your new DAB Digital/FM Radio.

2 Your DAB Digital/FM Radio

2.1 In the box

Carefully remove your DAB Digital/FM Radio from the packaging. Inside the box you will find:

- DAB Digital/FM Radio
- Mains power adapter
- Quick Start Guide
- Safety and Guarantee Leaflet
- User Manual

2.2 Top

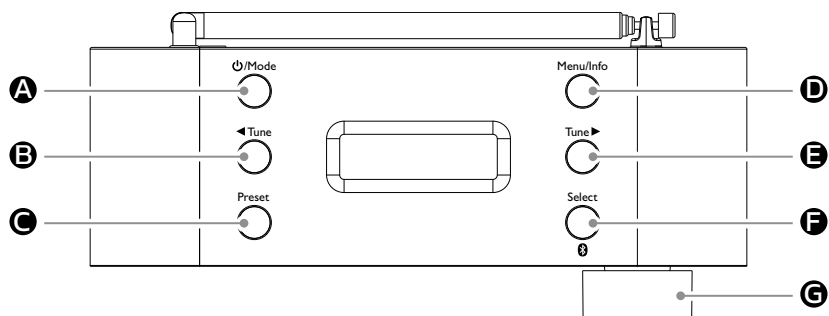


Fig 1.

A POWER/MODE button

Press to power on. Press and hold to enter STANDBY mode.

When powered on, press to switch between DAB, FM and Bluetooth mode.

B ◀ TUNE button

Press to scroll through the available stations/frequencies or MENU options.

C PRESET button

Press and hold to save a station as a preset, or press to recall a saved preset station.

D MENU/INFO button

Press and hold to enter MENU options.

Press to view station information.

E TUNE ▶ button

Press to scroll through the available stations/frequencies or MENU options.

F SELECT / button

Press to SELECT a displayed radio station or MENU option.

In BLUETOOTH mode, press and hold to disconnect the current device and scan for new devices.

G VOLUME control

Rotate the VOLUME control to adjust the volume.

2.3 Back

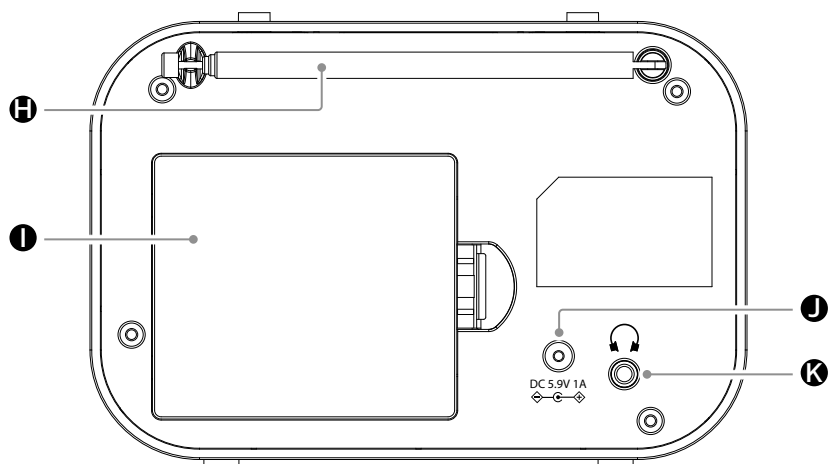


Fig 2.

H Telescopic aerial

I Battery compartment

Requires 4 x 1.5V AA-size batteries (not supplied).

J DC-in socket

Used to connect the DAB Digital/FM Radio to the mains power supply.


K Headphone socket

Connect 3.5mm headphones (not supplied) for private listening.

3 Quick Setup

3.1 Power On and Autoscan

1. Connect the mains power lead into the DC5.9V socket on the back of the radio and fully extend the telescopic aerial in a vertical position to obtain the maximum signal strength.
2. Connect the power plug to the mains power socket and switch the power on.
3. Press the POWER/MODE button on the Radio.

 **Note:** The Radio will automatically begin to scan for DAB stations. In the screen shown in fig 3 (page 9), a bar graph indicates the progress of the search.

When the scan is complete, the Radio will select the first available station – stations are listed in alphanumeric order.

The station list is retained in the product memory so the next time you switch the Radio on, the station search does not take place.

If there are no stations found, check that the telescopic antenna is fully extended and that adequate DAB coverage exists in your area.


It is possible to perform a manual scan for stations. See point 4.4 (page 10).

3.2 Standby and Auto Standby

1. Press the POWER/MODE button to power on the product/wake from standby mode.
2. Press and hold the POWER/MODE button to enter Standby mode.

3.3 Using battery power

1. Before installing the batteries (not supplied), please ensure that the Radio is switched off, the mains power is switched off at the socket and the power lead has been unplugged from the DC socket on the back of the radio.
2. On the back of the radio, push in the tab on the battery compartment cover to remove it.
3. Insert 4 x 1.5V AA-size (also known as LR-6) batteries, making sure to note the '+' and '-' markings and position the batteries the correct way around.
4. Replace the battery cover, making sure that it 'clicks' shut.

 **Note:** There is no STANDBY mode or ALARM function when you are using battery power.

3.4 Adjusting the Volume

Rotate the VOLUME control clockwise or anti-clockwise to increase or decrease the volume output.

3.5 Switching Modes

1. Press the POWER/MODE button on the product to switch to the available modes:

DAB, FM & BLUETOOTH. Check the display, which will confirm the mode.

3.6 Using headphones

You can connect headphones with a 3.5mm plug (not supplied) to the HEADPHONE socket on the back of your Radio. When you have headphones connected, the Radio speaker is turned off and all sound is via the headphones.



CAUTION: To avoid possible hearing damage, please keep the volume within reasonable limits.

3.7 Pairing the DAB Digital/FM Radio with Bluetooth

1. Repeatedly press the POWER/MODE button until you are in BLUETOOTH mode. Your radio will begin searching for Bluetooth devices and 'Searching...' is displayed.
2. Enable Bluetooth on your audio device and search for available Bluetooth connections. Select **GOODMANS DAB** from the list. If you are asked for a passcode, enter 0000.
3. 'BT connected' will be displayed on your Radio once it has been paired successfully. You can now begin playback from the audio device and the output will playback through the Radio speaker.

Once you have paired the radio with a device, the radio will remember this device and will pair with it automatically when activated and in range.

You do not need to re-connect any previously connected devices.

The radio will attempt to automatically connect to the last device it was paired with, each time you go to BLUETOOTH mode.

To pair the Radio with a new device, press and hold the Select/Ⓢ button in Bluetooth mode. The current device will be disconnected and your radio will scan for new devices.

4 Features

4.1 Using DAB for the First Time

1. After switching to DAB mode for the first time a full scan of DAB stations is performed automatically.

During full scan mode, a bar graph will be displayed, showing the progress of the scan and the number of radio stations that have been found so far. When the scan is complete, the Radio will select the first available station – stations are listed in alphanumeric order.

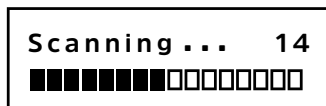


Fig 3.

4.2 DAB Radio

Please make sure that the aerial is fully extended before you attempt to tune to a DAB station. This will ensure that the maximum signal strength is available when the radio begins to scan. Extending the aerial also ensures the best possible sound quality.

1. To find the optimum position, select the display signal strength indicator by cycling through the display modes using the MENU/INFO button.

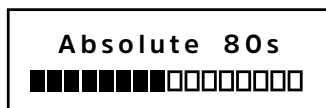


Fig 4.

2. Once the indicator is displayed, move the aerial and observe the signal level as shown by the bar graph. When you are happy with the positioning, press and hold the MENU button until '<Full Scan>' is displayed, then press the SELECT button to perform an auto-tune and capture all of the available stations.



Note: The station name will be shown on the top line of the display. Information about the DAB radio station will be displayed on the second line of the display.

4.3 Changing Stations (DAB)

1. Use the ◀ Tune and Tune ▶ buttons to scroll through the available stations.
2. When the station that you would like to listen to is displayed, press the SELECT button. There will be a short delay whilst your radio tunes to your selected station.



Note: If no stations were found, or no DAB stations can be received currently [No DAB station] will be displayed. In this case you may need to perform another station scan.

4.4 Full Scan (DAB)

Additional radio stations and services regularly become available, so it's a good idea to carry out a manual scan every now and then. If you have moved your radio to another location, it's also a good idea to carry out a manual scan.

1. Press and hold the MENU/INFO button until '<Full Scan>' is displayed, then press the SELECT button.
2. A bar graph showing the progress of the scan and the number of radio stations found so far, as well as 'Scanning...' will be displayed.

4.5 Manual Tuning (DAB)

As well as an auto tune SCAN function, you can manually tune the Radio.

1. Press and hold the MENU/INFO button in DAB mode to enter the menu options. Use the ◀ Tune and Tune ▶ buttons to display <Manual tune>. Press the SELECT button.
2. Use the ◀ Tune and Tune ▶ buttons to cycle through the DAB ensembles/multiplexes, which are numbered from 5A to 13F.
3. Press the SELECT button to view the ensemble/multiplex details. Press the SELECT button, then press the MENU/INFO button until you return to the default display.
4. Any stations found during the manual tune operation will be added to your station list.

4.6 Prune stations (DAB)

You can remove DAB stations in the station list that cannot be received in your area. These are listed with a '?' prefix.

1. Press and hold the MENU/INFO button in DAB mode to enter the menu options. Use the ◀ Tune and Tune ▶ buttons to display <Prune>. Press the SELECT button.
2. Use the ◀ Tune and Tune ▶ buttons to scroll to Yes. Press the SELECT button to prune the station list.

4.7 Storing a Station Preset (DAB)

Your radio can store up to 20 DAB stations in its preset memories for quick access to your favourite stations. When you store DAB radio station presets, these do not overwrite your FM station presets.

1. Tune the radio to the DAB station that you would like to preset.
2. Press and hold the PRESET button until Preset Store <1 (Empty)> is displayed.
3. Use the ◀ Tune and Tune ▶ buttons to move to the preset location that you would like to store the radio station to (1-20).
4. Press the SELECT button to confirm.
5. 'Preset X stored' where 'X' is the number of the preset (1-20) will be displayed.



Note: If there is already an existing DAB station under a preset, it will be overwritten when you store the new station.

4.8 Recalling a Preset (DAB)

1. Press the PRESET button. <Preset Recall <1:> is displayed together with the name or frequency of the station stored there, or (Empty) if no station has been stored there.
2. Use the ◀ Tune and Tune ▶ buttons to move to the Preset location and station that you would like to listen to (1-20).
3. Press the SELECT button. The radio will tune to that station.

4.9 DAB Display Information

Every time you press the MENU/INFO button the display will cycle through the following information options.

- DLS (Dynamic label segment): Dynamic label segment is a scrolling message that the broadcaster may include with their transmissions. This message usually includes information, such as program detail etc.
- Signal strength: This option will display a bar indicating the signal strength. An empty indicates the minimum signal strength for acceptable listening. The stronger the signal, the further to the right the row of solid rectangles will be.
- Program type: Such as 'Rock', 'Pop', 'Talk' or 'News'.
- Ensemble/Multiplex (group name): Displays the broadcasting area and collection of radio stations on this frequency e.g.: BBC National DAB, Digital 1 Network.
- Channel frequency: Displays the current DAB multiplex in use, e.g.: 12B 225.648 MHz.
- Signal error: This is displayed as a number between 0-99. It would not be possible to satisfactorily listen to a radio station with a signal error rate of 30 or more.

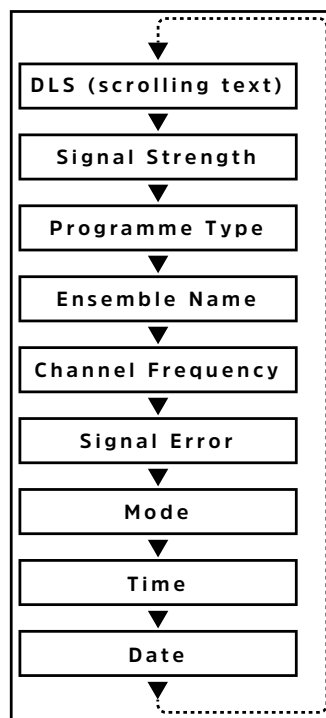



Fig 5.

- Signal information: Displays the data rate at which the signal is being transmitted as well as the current mode.
- Time & date: The time & date is supplied automatically by the broadcaster.

4.10 DRC (Dynamic Range Control)

This causes the radio to change the dynamic range of the audio signal. Changing the dynamic range can change the 'loudness' and/or 'quality of sound' of the programme that you are listening to so that it will be more suited to your listening environment.

1. Press and hold the MENU/INFO button in DAB mode to enter the menu options. Use the ◀ Tune and Tune ▶ buttons to display <DRC>. Press the SELECT button.

- 
2. Use the ◀ Tune and Tune ▶ buttons to choose between DRC off, DRC Low and DRC High.
 3. Press the SELECT button to save the setting.

4.11 FM Radio

Press the MODE button until you are in FM mode, check the display, which will confirm the mode.


4.12 Tuning to a Station (FM)

Please make sure that the aerial is fully extended before you attempt to tune to an FM station. This will ensure that the maximum signal strength is available when the radio begins to scan. Extending the aerial also ensures the best possible sound quality.

1. You can use the ◀ Tune and Tune ▶ buttons to scroll up or down the FM frequency band.

Press and hold the Tune ▶ button to SCAN up the frequency band.

Press and hold the ◀ Tune button to SCAN down the frequency band.

2. Press the ◀ Tune and Tune ▶ buttons to fine tune each station in 0.05 MHz increments.
- 

4.13 Scan Setting (FM)

When performing a scan you can set the sensitivity level of the stations to be found. E.g.: strong signals only or all stations.

1. In FM mode, press and hold the MENU/INFO button, <Scan setting> will be displayed. Press the SELECT button.
2. Use the ◀ Tune and Tune ▶ buttons to display <All stations> (which will detect any station, even with a weak signal) or <Strong stations only> (which will only detect stations with a good signal strength). Press the SELECT button.

4.14 Storing a Station Preset (FM)

Your radio can store up to 20 FM stations in its preset memories for quick access to your favourite stations. When you store FM radio station presets, these do not overwrite your DAB station presets.

1. Tune the radio to the FM station that you would like to preset.
2. Press and hold the PRESET button until Preset Store <1 (Empty)> is displayed.
3. Use the ◀ Tune and Tune ▶ buttons to move to the preset location that you would like to store the radio station to (1-20).
4. Press the SELECT button to confirm.
5. 'Preset X stored' where 'X' is the number of the preset (1-20) will be displayed.



Note: If there is already an existing FM station under a preset, it will be overwritten when you store the new station.

4.15 Auto Memory Store (AMS)

Alternatively, you can use the Auto Memory Store (AMS) feature to store your FM radio station presets.

1. In FM mode, press and hold the MENU/INFO button, <Scan Setting> will be displayed. Use the ◀ Tune and Tune ▶ buttons to display <AMS>.
2. Press the SELECT button. Your radio will now scan the FM frequency band and the stations found will be automatically stored to the preset locations.



Note: You can manually overwrite your AMS stored presets by following the steps in Section 4.14 above.

4.16 Recalling a Preset (FM)

1. Press the PRESET button. <Preset Recall <1:> is displayed together with the name or frequency of the station stored there, or (Empty) if no station has been stored there.
2. Use the ◀ Tune and Tune ▶ buttons to move to the Preset location and station that you would like to listen to (1-20).
3. Press the SELECT button. The radio will tune to that station.

4.17 FM Display Modes

Every time you press the MENU/INFO button the display will cycle through the following information options.

- Radio text: Broadcasters can include a scrolling text that displays information about the current program. If radio text is not available then the display will show '[No RadioText]'.

- Program type: Such as 'Rock', 'Pop', 'Talk' or 'News'.
- Program name: Displays the name or frequency of the current station.
- Time & date: The time & date is supplied automatically by the broadcaster.

4.18 Connecting a Bluetooth Device


When using a Bluetooth connection, you can listen to audio wirelessly from a secondary Bluetooth audio device (For example an MP3 player/iPhone/Android/ other phone/computer) within 10 metres or less (33 feet or less) of the Radio.

1. Repeatedly press the POWER/MODE button until you are in BLUETOOTH mode. Your radio will begin searching for Bluetooth devices and 'Searching...' is displayed.
2. Enable Bluetooth on your audio device and search for available Bluetooth connections. Select **GOODMANS DAB** from the list. If you are asked for a passcode, enter 0000.
3. 'BT connected' will be displayed on your Radio once it has been paired successfully. You can now begin playback from the audio device and the output will playback through the Radio speakers.

Once you have paired the radio with a device, the radio will remember this device and will pair with it automatically when activated and in range.

You do not need to re-connect any previously connected devices.

The radio will attempt to automatically connect to the last device it was paired with, each time you go to BLUETOOTH mode.

To pair the Radio with a new device, press and hold the SELECT/ button in Bluetooth mode. The current device will be disconnected and your radio will scan for new devices.

i Note: The volume output of the Radio will be affected by the volume level on the connected secondary audio source e.g.: MP3 Player, Phone or laptop, so make sure that the volume level is set to about 70-80% (not too loud to avoid distortion).

4. Once connected you can use the controls on the secondary audio device to begin playback, skip tracks etc.

4.19 Setting the alarms

You can set two completely separate alarm times (ALARM 1 and ALARM 2) and activate either or both of them to wake you with a buzzer or the radio. You can also pre-set the station and volume settings that the alarms will wake you with.



Note: Check that the radio has the correct time and date before you set an alarm. You must complete all settings before leaving the menu or your changes will not be saved.

1. With the radio switched on (Alarm settings cannot be set in Standby mode). Press and hold the MENU/INFO button. Use the ◀ Tune and Tune ▶ buttons to display <System>. Press the SELECT button.
1. <Sleep> is displayed. Use the ◀ Tune and Tune ▶ buttons to display <Alarm>. Press the SELECT button.
2. Alarm 1 Setup is displayed. To set Alarm 2 use the ◀ Tune and Tune ▶ buttons. Press the SELECT button.
3. Alarm 1 (or 2) Wizard On time is displayed and the hour digits for the alarm will flash. Use the ◀ Tune and Tune ▶ buttons to set the hour for the alarm and press the SELECT button.
4. The minutes for the alarm will now flash. Use the ◀ Tune and Tune ▶ buttons to set the minutes for the alarm and press the SELECT button.
5. The duration for the alarm will now flash. Use the ◀ Tune and Tune ▶ buttons to set the duration for the alarm and press the SELECT button. You can choose from 15, 30, 45, 60, 90 and 120 minutes. The source for the alarm will now flash.
6. Use the ◀ Tune and Tune ▶ buttons to set the sound source for the alarm. You can choose from Buzzer, DAB or FM radio. Press the SELECT button.



Note: If you select DAB or FM radio for the alarm source 'Last listened' will flash in the display for you to use the radio station you last listened to in DAB or FM for your alarm. You can also use the ◀ Tune and Tune ▶ buttons to scroll and display any radio pre-sets that you may have set. Press the SELECT button.

7. Daily will flash in the display. Use the ◀ Tune and Tune ▶ buttons to set the frequency for your alarm. You can choose from Daily, Once, Weekdays or Weekends. Press the SELECT button.



Note: If you select 'Once' you will be prompted to set the date for your alarm.

8. Alarm 1 (or 2) Wizard will be displayed and a row of rectangles. Use the ◀ Tune and Tune ▶ buttons to set the volume level for your alarm. You will not be able to set this for less than 4 rectangles.
9. Alarm 1 (or 2) Wizard Alarm Off is displayed and 'Off' will be flashing. Use the ◀ Tune and Tune ▶ buttons to display Alarm On or Off as required. Press the SELECT button. Alarm Saved is displayed.
10. A bell icon will appear in the top right of the display to confirm that an alarm has been set.



Note: If the time is not set or has failed to update from the radio signal, 'Time is not set' will be displayed when you try to set the alarm. The radio will then prompt you to set the time. An alarm can only be set after the time has been set.

4.20 Stop the Alarm

1. When the alarm sounds, press any button except the SELECT button to turn the alarm off. 'Alarm off' will be displayed. Alternatively, you can press the SELECT button, see Snooze function (point 4.21).

4.21 Snooze

1. When the Alarm sounds you can press the SELECT button to snooze for 10 minutes. Snooze will be displayed, follow by the snooze time countdown from 10 minutes until the alarm sounds again. To cancel the Snooze function, press the POWER/MODE button, 'Alarm off' will be displayed.

4.22 Turn off the Alarm

1. In standby mode, repeatedly press the MENU/INFO button to turn Alarm 1 and 2 On or Off.

4.23 Sleep timer

You can set your Radio to automatically go to Standby mode using the sleep timer. You can choose from Sleep off, 10, 20, 30, 45 and 60 minutes.

1. Press and hold the MENU/INFO button to enter the menu options. Use the ◀ Tune and Tune ▶ buttons to display <System>. Press the SELECT button. '<Sleep>' is displayed.
2. Press the SELECT button. Use the ◀ Tune and Tune ▶ buttons to display the Sleep time that you would like. Press the SELECT button.

3. After a short delay, the Sleep time you have set will appear in the top right of the radio display e.g.: S30 and will count down until your radio will automatically go to STANDBY mode.



Note: To cancel the Sleep timer, follow the steps above and select 'Sleep off' in Step 2.

4.24 Display backlight timeout

You can adjust the backlight timeout. Options of 10, 20, 30, 45, 60, 90, 120, 180 seconds and timeout off are available.

1. Press and hold the MENU/INFO button. Use the ◀Tune and Tune▶ buttons to display <System>. Press the SELECT button.
2. <Sleep> is displayed. Use the ◀Tune and Tune▶ buttons to display <Backlight>. Press the SELECT button.
3. <Timeout> is displayed. Press the SELECT button again. Use the ◀Tune and Tune▶ buttons to scroll through the available options. Stop when the backlight timeout you would like is displayed. Press the SELECT button, '<Timeout>' will be displayed.



Note: You can now use the ◀Tune and Tune▶ buttons to scroll, together with the SELECT button to change the settings for the backlight brightness for the <Dim level> (Standby) and <On level>. There are 3 options available, High, Medium and Low.

4.25 Display Language

You can change the display language of your radio, there are 4 options available: English, French, German and Italian. An * will be displayed next to the current setting.

1. Press and hold the MENU/INFO button. Use the ◀Tune and Tune▶ buttons to display <System>. Press the SELECT button.
2. <Sleep> is displayed. Use the ◀Tune and Tune▶ buttons to display <Language>. Press the SELECT button.
3. Use the ◀Tune and Tune▶ buttons to scroll through the available options. Stop when the display language you would like is displayed. Press the SELECT button.

4.26 Software Version

1. Press and hold the MENU/INFO button. Use the ◀Tune and Tune▶ buttons to display <System>. Press the SELECT button.
2. <Sleep> is displayed. Use the ◀Tune and Tune▶ buttons to display <SW version>. Press the SELECT button.
3. The software version will be displayed.

4.27 Factory Reset



Note: If you reset your radio all of your stored station presets will be deleted and any connected Bluetooth devices will be unpaired.

1. Press and hold the MENU/INFO button. Use the ◀Tune and Tune▶ buttons to display <System>. Press the SELECT button.
2. <Sleep> is displayed. Use the ◀Tune and Tune▶ buttons to display <Factory Reset>. Press the SELECT button.
3. Factory Reset? Yes <No> is displayed. Use the ◀Tune and Tune▶ buttons to Select Yes or No and press the SELECT button.
4. If you selected Yes in step 3 above, Restarting... is displayed. After a few seconds the display will change to Welcome to Digital Radio and will then go to Standby mode.

5 Technical Information

5.1 Technical specification

Model Number	365112
AC/DC adapter input voltage	100-240V, 50/60Hz
AC/DC adapter output voltage	DC 5.9V, 1.0A, 5.9W
Frequency Range	DAB: 174 MHz to 240 MHz FM: 87.5 MHz to 108 MHz
Bluetooth	V 5.0
Max Power Consumption	5W
Dimensions	150mm x 102mm x 60mm

6 Help and Support

6.1 Troubleshooting

Problem	What to do
No power	Check the mains plug is connected to the mains power socket and is switched on. Press the POWER/MODE button to wake the radio from Standby mode.
Static interference/Burbling sound when listening to the radio	This is caused by poor reception. Adjust the aerial or if that fails try moving the DAB Digital/FM Radio to a different location. Check that you do not have other electrical equipment too close to your radio causing interference.
Bluetooth sound is interrupted or distorted	The unit is too close to other electrical devices. Re-locate the DAB Digital/FM Radio to at least 1 metre away from other electrical appliances to avoid interference.

6.2 EC Declaration of Conformance

This product is intended for use within the UK.

This Product complies with the below listed EU directives.

2014/30/EU Electromagnetic Compatibility Directive

2014/35/EU Low Voltage Directive

2011/65/EU Restriction of Hazardous Substances

2014/53/EU Radio Equipment Directive

The complete declaration of conformity is available upon request for relevant enquiries.

 **Bluetooth**® is a trademark on a registered trademark of Bluetooth SIG Inc.

Information on Waste Disposal for Consumers of Electrical & Electronic Equipment



This mark on a product and/or accompanying documents indicates that when it is to be disposed of, it must be treated as Waste Electrical & Electronic Equipment (WEEE).

Any WEEE marked waste products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used.

For proper treatment, recovery and recycling; please take all WEEE marked waste to your Local Authority Civic waste site, where it will be accepted free of charge.

If all consumers dispose of Waste Electrical & Electronic Equipment correctly, they will be helping to save valuable resources and preventing any potential negative effects upon human health and the environment, of any hazardous materials that the waste may contain.



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