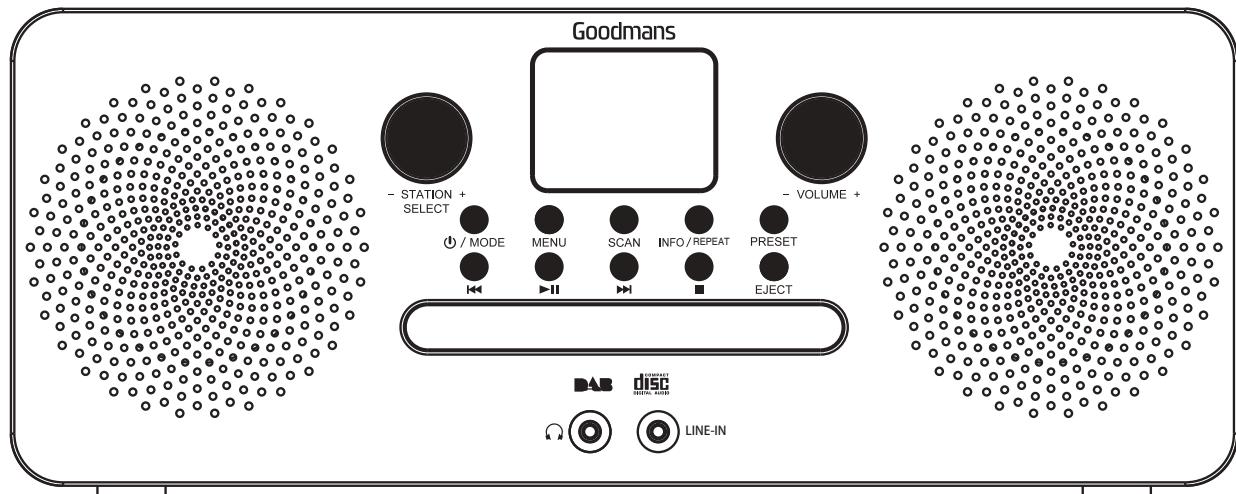


# DAB Micro System



MODEL: 335105

## USER MANUAL



Goodmans

# 1 Welcome

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## 2 Your DAB Micro System

- 2.1 In the box
  - 2.2 Mains Power
  - 2.3 Positioning your DAB Micro System
  - 2.4 Adjusting the Antenna
  - 2.5 Front View
- 

## 3 Quick Setup

- 3.1 Connecting the Power
  - 3.2 Adjusting the volume
  - 3.3 Switching Modes
- 

## 4 Operation

### DAB Operation

- 4.1 Using DAB For the First Time
- 4.2 Positioning the Antenna
- 4.3 Full Scan
- 4.4 Manual Tuning
- 4.5 Pruning
- 4.6 DRC (Dynamic Range Control)
- 4.7 Storing a DAB Station Preset
- 4.8 Recalling a DAB Station Preset
- 4.9 DAB Display Information
- 4.10 Tuning a Station
- 4.11 Positioning the Antenna
- 4.12 Scan Modes

4.13 Stereo / Mono Modes

4.14 Storing a FM Station Preset

4.15 Recalling a FM Station Preset

4.16 FM Display Modes

#### **CD Operation**

4.17 Load a Disc

4.18 Play a Disc

4.19 Skip Tracks and Search

4.20 Repeat Single/All Track(s)

#### **Bluetooth Operation**

4.21 Connecting a Bluetooth Device

4.22 Controlling a Connected Device

4.23 NFC Pairing

#### **Line In Operation**

4.24 Line In Mode

#### **Headphone Socket**

4.25 Using Headphones / Earphones

#### **Factory Reset**

4.26 Factory Reset

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## **5 Troubleshooting**

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## **6 Technical Specifications**

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## **7 Customer Support**

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# 1 Welcome

Thank you for choosing this Goodmans product. We've been making electronics for the British people for 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 Micro System.

## 2 Your DAB Micro System

### 2.1 In the box

Carefully remove your DAB Micro System from the packaging.

Inside the box you will find:

- DAB Micro System
- Power Adapter
- Quick Start Guide
- Guarantee and Safety Booklet
- User Manual

### 2.2 Mains Power

Your Micro System uses a 12V 1A power adapter. Please ensure that your mains supply is compatible before use. Disconnect the power adapter from the mains when not in use.

### 2.3 Positioning your DAB Micro System

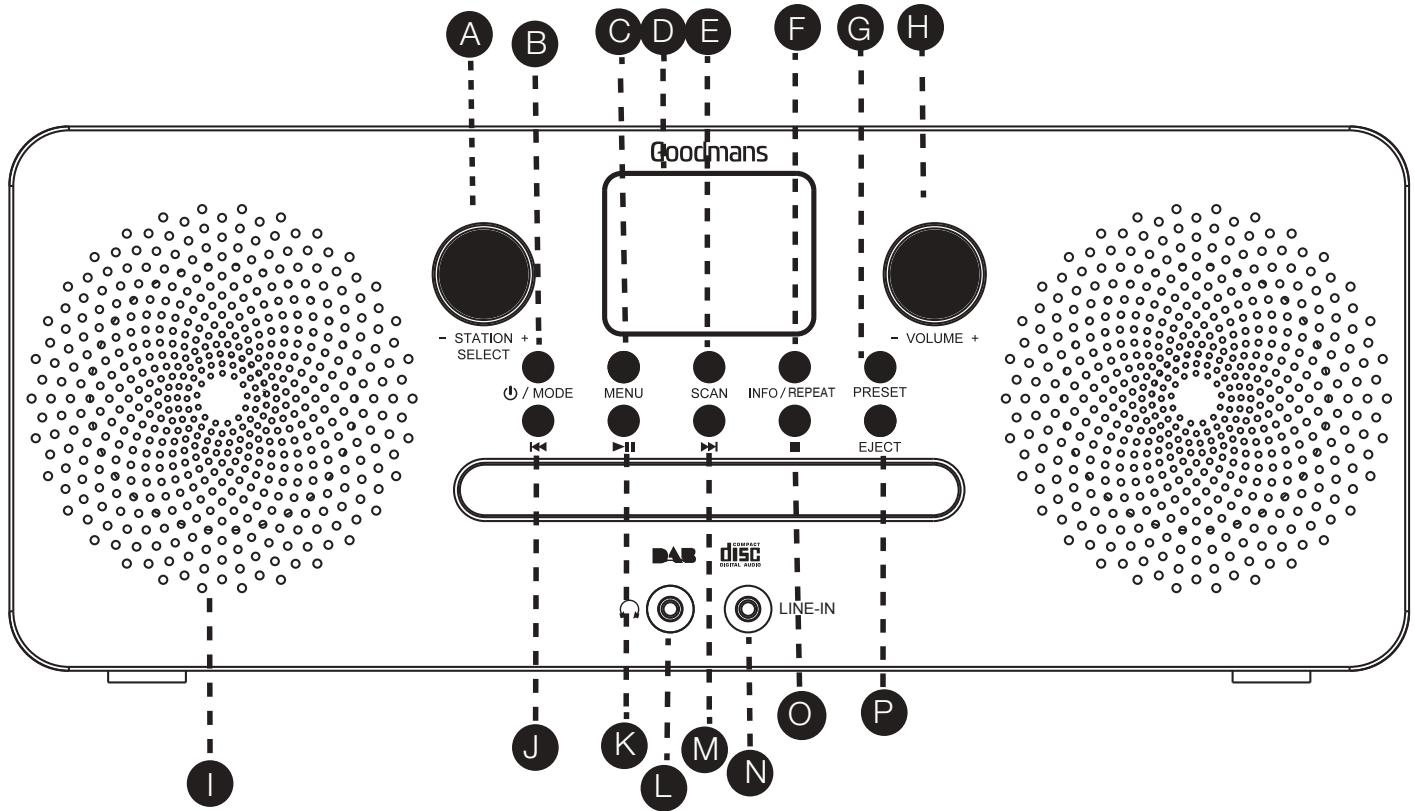
Place on a flat, stable surface that is not subject to vibrations. Avoid the following locations:

- Where it is exposed to direct sunlight
- Where it is close to heat radiating sources
- Where the humidity is high and ventilation is poor
- Where it is dusty

### 2.4 Adjusting the Antenna

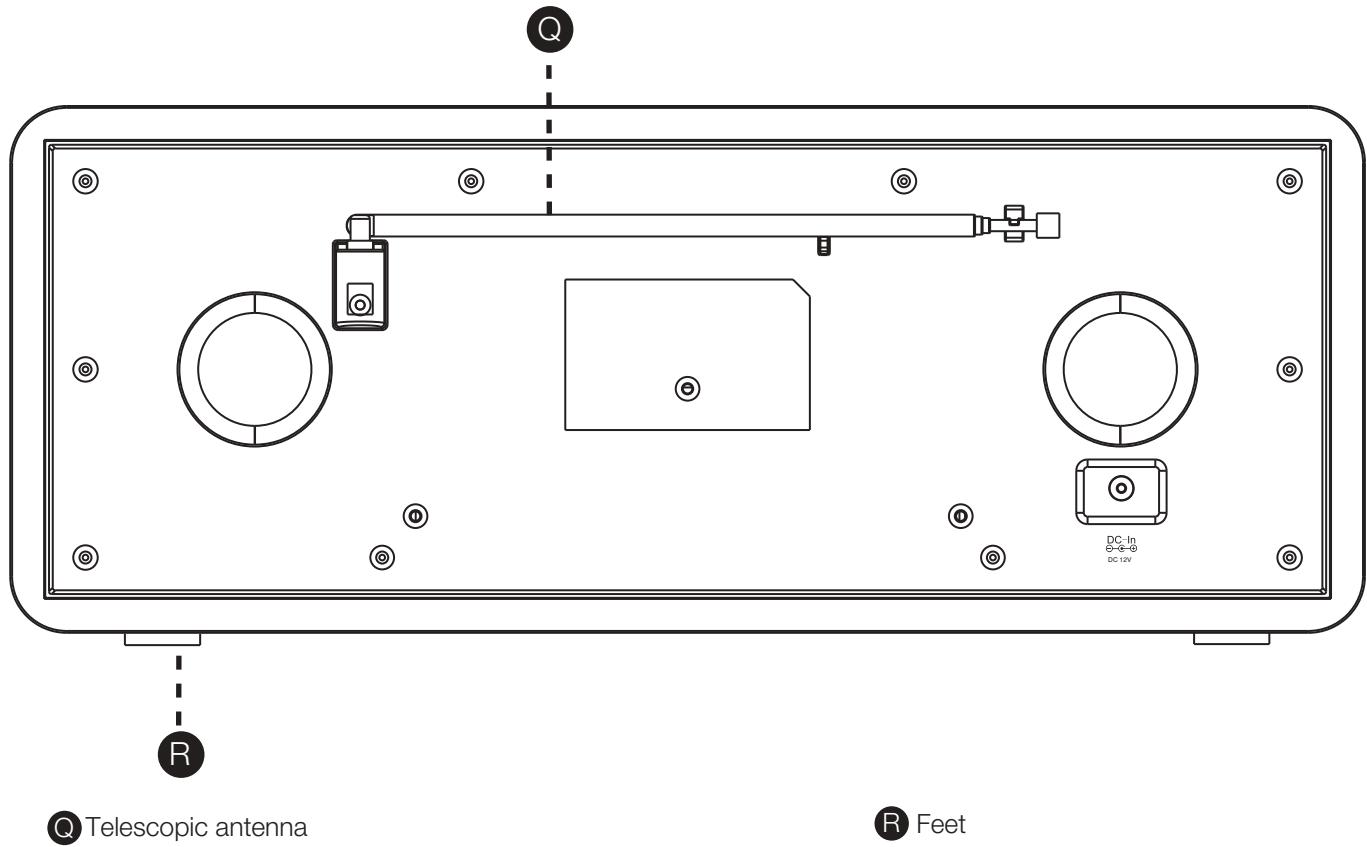
Fully extend the antenna to ensure good reception in both DAB and FM Radio modes. It may be necessary to alter the position of the Micro System and/or the antenna to achieve the best signal.

## 2.5 Front View



- (A) Station>Select,rotate to increase or decrease frequency , go to previous function , go to previous or next track
- (B) Power/ mode,power on/off,press and release "mode"to switch to FM/CD/BT//DAB/LINE IN
- (C) Menu,click to select function
- (D) LCD display
- (E) Scan,scan DAB radio stations, hold to auto scan FM stations fast forward
- (F) Info/repeat,repeatedly press and release to check radio station information
- (G) Preset,press and hold to preset/ autoscan FM stations fast forward/enter program setting,press and release to recall / auto scan FM stations fast backward
- (H) Volume ,rotate to increase or decrease volume
- (I) Speaker
- (J) ,press to previous station/function/ track, hold to fast backward, back by 0.05MHz
- (K) ,press and release to play/pause
- (L) Headphone jack
- (M) ,press to next station/function/ track,hold to fast forward, forward by 0.05MHz
- (N) Line in, play music from your device through this connection
- (O) ,press and release to stop,twice to cancel program, hold to clear all previous devices records
- (P) Eject, to eject CD door, press again to close CD door

## 2.6 Rear View



## 3 Quick Setup

### 3.1 Connecting the Power

1. Insert the power adapter to the 12V DC socket on the rear of your DAB Micro System.
2. Insert the power adapter into a suitable mains socket.
3. Press the Power/Mode button on the front of your DAB Micro System.

### 3.2 Adjusting the volume

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

### **3.3 Switching Modes**

1. Press the MODE button on the front panel to cycle through the options DAB, FM, CD, Bluetooth and Line In.

## **4 Operation**

### **DAB Operation**

#### **4.1 Using DAB For the First Time**

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

During the full scan mode, the LCD will display a slide bar that indicates the progress of the scan, and the amount of radio stations that have been found so far. Once the scan has finished, the radio will select the first alphanumeric station.

NOTE: The station name will be shown on the top of the display. Information about the DAB radio station will also be displayed.

2. To listen to the located DAB stations use the >>| / |<< buttons. When you reach the desired station the DAB Micro System will automatically tune to that station and begin playback.

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

#### **4.2 Positioning the Antenna**

Positioning of the aerial will influence the DAB signal quality.

1. To find the optimum position, select the signal error indicator by cycling through the display modes using the INFO button.
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, perform a scan to capture all of the available stations.

#### **4.3 Full Scan**

1. To activate the full scan press the MENU button.

2. Select the <Full scan> option and press the centre of the SELECT button. The unit will search for all available DAB stations that can be tuned to.

#### 4.4 Manual Tuning

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

1. Press the MENU button in DAB mode, and use the SELECT button to find <Manual tune> .
2. Press the centre of the SELECT button to activate the manual tune options.
3. Now use the SELECT button to cycle through the DAB ensembles/multiplexes, which are numbered from 5A to 13F.
4. Press the centre of the SELECT button to view the ensemble/multiplex details.
5. Any stations found during the manual tune operation will be added to your station list.

#### 4.5 Pruning

When the DAB Micro System has performed a Scan in several locations you may find there are stored stations that you can no longer receive. This function automatically removes them from the stored station list.

1. Press the MENU button in DAB mode, then use the SELECT button to find <Prune Invalid>. Press the centre of the SELECT button.
2. Use the SELECT button to select YES and then press the centre of the SELECT button.

#### 4.6 DRC (Dynamic Range Control)

This function causes the radio to reduce the dynamic range of the audio signal. The purpose of this is to adapt the dynamic range of the audio signal to listening in a noisy environment. This is not available on some DAB stations.

1. Press the MENU button in DAB mode and use the SELECT button to find <DRC>.
2. Press the centre of the SELECT button.
3. Choose between DRC off, DRC Low and DRC High using the SELECT button.
4. Press the centre of the SELECT button to save the setting.

## **4.7 Storing a DAB Station Preset**

It is possible to store up to 10 of your favourite DAB stations. This will enable you to access your favourite stations quickly & easily.

1. To store a preset, you must first be listening to the station that you would like to save.
2. Then press & hold the PRESET button.
3. Use the SELECT button to choose an available preset location.
4. Press the centre of the SELECT button to save the preset.

## **4.8 Recalling a DAB Station Preset**

1. To recall a station, press the PRESET button.
2. Use the SELECT button to choose the preset that you want to listen to.
3. Press the centre of the SELECT button to tune to the preset.

## **4.9 DAB Display Information**

When listening to a DAB station you can change the information that will appear on the display. There are several different types of information that may be sent by the broadcaster. To change the display information, press the INFO button.

- DLS (Dynamic Label Segment): This is scrolling text information such as the name of an artist, music title, DJs name or the contact details of the broadcaster.
- PTY (Program type): This describes the “Style” or “genre” of music that is being broadcast e.g. “Rock” or “Classical”.
- Multiplex Name: Displays the multiplex name such as ‘BBC National DAB’.
- Frequency: Displays the frequency details of the station you are listening to.
- Signal Error: Displays the signal error rate of the station you are listening to.
- Time & date: The time & date is set automatically from the DAB or FM broadcast.

Some DAB radio stations may also broadcast image data. This may be the album art, or the logo of the radio station being listened to. To increase the image size press the centre of the SELECT button.

## Using FM Radio Mode

### 4.10 Tuning a Station

1. You can scan up or down the frequency range manually by pressing the >>| / |<< buttons to increase or decrease the frequency in 0.05 MHz increments.
2. To scan through the frequency range quickly press and hold either >>| / |<< buttons.
3. Once a station has been found, the scanning will stop automatically. If no station is found, then the tuning will stop once it has cycled through the entire FM band (87.5 - 108MHz).

### 4.11 Positioning the Antenna

Positioning of the aerial will influence the FM signal quality.

Make sure that the telescopic antenna on the rear of the DAB Micro System is fully extended and in a vertical position. This will ensure that the maximum signal strength is available.

### 4.12 Scan Modes

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

1. In FM mode, press the MENU button, when <Scan Setting> appears on the display Press the centre of the SELECT button to view the submenu.
2. Use the SELECT button to select ALL STATIONS (which will detect any station, even with a weak signal) or STRONG STATION (which will only detect stations with a good signal strength). Press the centre of the SELECT button to select the required option.

### 4.13 Stereo / Mono Modes

Sometimes Stereo radio stations can suffer from interference (static & crackles) to reduce this problem you can enable MONO mode.

1. In FM mode, press the MENU button.
2. Using the SELECT button choose <Audio Setting> and then press the centre of the SELECT button.
3. Use the SELECT button to choose between STEREO ALLOWED or FORCED MONO.

4. Press the centre of the SELECT button to select the required option.

#### **4.14 Storing a FM Station Preset**

It is possible to store up to 10 of your favourite FM stations. This will enable you to access your favourite stations quickly & easily.

1. To store a preset, you must first be listening to the station that you would like to save.
2. Then press & hold the PRESET button.
3. Use the SELECT button to choose an available preset location.
4. Press the centre of the SELECT button to save the preset.

#### **4.15 Recalling a FM Station Preset**

1. To recall a station, press the PRESET button.
2. Use the SELECT button to choose the preset that you want to listen to.
3. Press the centre of the SELECT button to tune to the preset.

#### **4.16 FM Display Modes**

Every time you press the “INFO” button, the display will cycle through the following display modes:

- 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: This describes the “Style” or “genre” of music that is being broadcast e.g. “Rock” or “Classical”.
- Program name: Displays the name of the current station.
- Audio mode: Displays the current FM mode of STEREO or MONO.
- Time & date: The time & date is set automatically from the DAB or FM broadcast.

## CD Operation

### 4.17 Load a Disc

1. Open the CD drawer by pressing the EJECT button.
2. Load a disc onto the disc tray with the label side facing up.
3. Press the EJECT button once more to close the CD door.

### 4.18 Play a Disc

1. Follow the steps above to load a disc (if not already completed).
2. The player will begin to read the disc immediately.
3. When the disc is successfully read press the PLAY/PAUSE button to begin playback.
4. Press the PLAY/PAUSE button once to pause the music playback.

### 4.19 Skip Tracks and Search

1. Press the >>|button once during playback to skip to the next track. To skip to a specific track, press this button several times until you reach the track number required.
2. Press the |<< button once during playback to return to the beginning of the current track. Press the |<< button twice repeatedly to skip to the previous track. To skip back to a specific track, press this button several times.
3. Hold the >>| button during playback to fast forward the current track.
4. Hold the |<< button during playback to fast rewind the current track.

### 4.20 Repeat Single/All Track(s)

1. During playback pressing the REPEAT button will flag the current track to repeat indefinitely. You will see "  " on the display.
2. Pressing the REPEAT button again will repeat all tracks on the disc. You will see "  " on the display.
3. To cancel the repeat function press the REPEAT button for a third time.

## **Bluetooth Operation**

### **4.21 Connecting a Bluetooth Device**

When using the Bluetooth connection, you can listen to audio wirelessly from a Bluetooth audio device (For example an MP3 player) within 10 metres of the Micro System.

1. When Bluetooth mode is selected the words ‘Disconnected’ will show on the display. This means the unit is in connection mode and will pair with any previously connected devices.
2. If you have not connected a device before you can now enable ‘discovery’ mode on your device and select the ‘GOODMANS DABHIFI’ Bluetooth connection. If you are asked for a pass code enter ‘0000’.

If you turn off either device before pairing is complete the process will need to be repeated when powered ON again.

3. Once paired a beep will be heard and the display will change to ‘CONNECTED’.

The volume output is affected by the volume level on the audio source EG: Phone or laptop, so make sure that is set to about 70-80% (not too loud to avoid distortion).

### **4.22 Controlling a Connected Device**

Once connected you can either use the controls on the audio device to begin playback, skip tracks etc. Or you can use the control buttons on the front panel of the unit.

1. The PLAY/PAUSE button when pressed will begin playback of the selected track on the audio device. Press again to pause playback.
2. To skip to the next track press the >>| button.
3. To skip to the previous track press the <<| button.

### **4.23 NFC Pairing**

Your DAB Micro System has an NFC connection point on the top panel of the unit.

1. When Bluetooth mode is selected the words ‘Disconnected’ will show on the display. This means the unit is in connection mode and will pair with any previously connected devices.
2. simply touch your NFC enabled device on the top panel and it will automatically pair with your device.

## **Line In Operation**

### **4.24 Line In Mode**

It is possible to connect an external audio source like an MP3 player using a 3.5mm audio cable (not supplied).

1. Connect one end of the cable to the AUDIO devices headphone output and the other end to the LINE IN socket on the front of the Micro System.
2. Press the MODE button until you reach the LINE IN MODE option.
3. Adjust the volume to your desired level.

The volume output is affected by the volume level on the source EG: MP3 player so make sure that is set to about 70-80% (not too loud to avoid distortion).

4. Use your source device to control the playback of your music.

## **Headphone Socket**

### **4.25 Using Headphones / Earphones**

You will require headphones or earphones fitted with a 3.5mm diameter stereo plug. The headphone socket is located on the front panel of the unit.

Always turn down the volume before connecting headphones or earphones. Slowly raise the volume until you reach a comfortable listening level.

Long term exposure to loud music may cause permanent hearing damage.

## **Factory Reset**

### **4.26 Factory Reset**

There may be times when you need to reset the unit back to its original factory setting.

1. Press the MENU button.
2. Select the <System Settings> menu and press the centre of the SELECT button to open the menu.
3. Select <Factory Reset> and press the centre of the SELECT button.

4. Use the SELECT button to select 'Yes' and press the centre of the SELECT button to factory reset the unit.

## 5 Troubleshooting

Problem	What to do
No Power	<p>Check the mains plug is connected to the wall socket. Switch the wall socket on.</p> <p>Press the STANDBY button to wake from Standby mode.</p>
No sound	<p>The volume level is too low. Increase using the volume control.</p> <p>The external audio source volume is too low, increase the volume level.</p>
The sound is distorted	<p>Reduce the Micro System volume level using the volume control.</p> <p>The external audio source volume is too high, decrease the volume level.</p>
Unable to play a CD	<p>Check there is a disc present in the CD drawer.</p> <p>Remove and re-insert the CD with the label side facing upwards.</p> <p>Clean the disc, it may be dirty. If scratched, try another disc.</p>
Static interference/Burbling sound when listening to the radio	This is caused by poor reception. Re-locate the antenna or if that fails try moving the Micro System to a different location.
Bluetooth sound is interrupted or distorted	<p>The unit is close to a device that generates electromagnetic radiation. Re-locate the Micro System away from other devices.</p> <p>Obstacle(s) between the unit and the Bluetooth audio source device. Remove the obstacle.</p>

## 6 Technical Specifications

Model Number	335105
Power Adapter	12V 1A
Audio Output	3W RMS x 2
Power Consumption	12W
Radio Frequencies	DAB: 174MHZ – 240MHZ FM: 87.5MHZ – 108MHZ
Bluetooth Pairing Name	Goodmans DABHIFI

## 7 Customer Support

For all product support, please email:

[goodmans@bmstores.co.uk](mailto:goodmans@bmstores.co.uk)

This product is intended for use within the UK

Declaration of Conformance

The full text of the EU declaration is available at the following internet address:

<http://www.bmstores.co.uk/technical-information>

**Goodmans**