Multiplex **D20**

USER MANUAL



AZATOM

NEXT GENERATION SOUND

UK
AZATOM
BEST OF BRITISH AUDIO & ELECTRONICS

Contents

Package Contents	3
Controls & Interface	4
Operating your radio	7
DAB Radio	8
Dynamic Range Control (DRC) & Prune	10
FM Radio	11
Display Settings	12
Using Presets	13
Bluetooth & Aux In	15
Bluetooth Transmit	16
Time & Date Settings	17
Alarm Settings	18
Snooze & Sleep Timer	19
Factory Reset	20
Earphones	21
Removable Rechargeable Battery	22
Important Safety Information	23
Specifications	24

Thank You for purchasing the Multiplex D20 for your home.
To make the most of its features, we suggest reading the instruction manual thoroughly, which includes hints and tips to assist in resolving any problems. Please go through all the safety guidelines before using it and keep this manual for future reference.

Package Contents

Remove all items from the packaging. Retain the packaging. If you dispose of it please do so according to local regulations.

The following items are included:

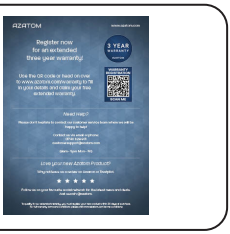
1. Multiplex D20
2. Mains Adapter
3. Remote
4. Instruction Manual
5. Warranty Card







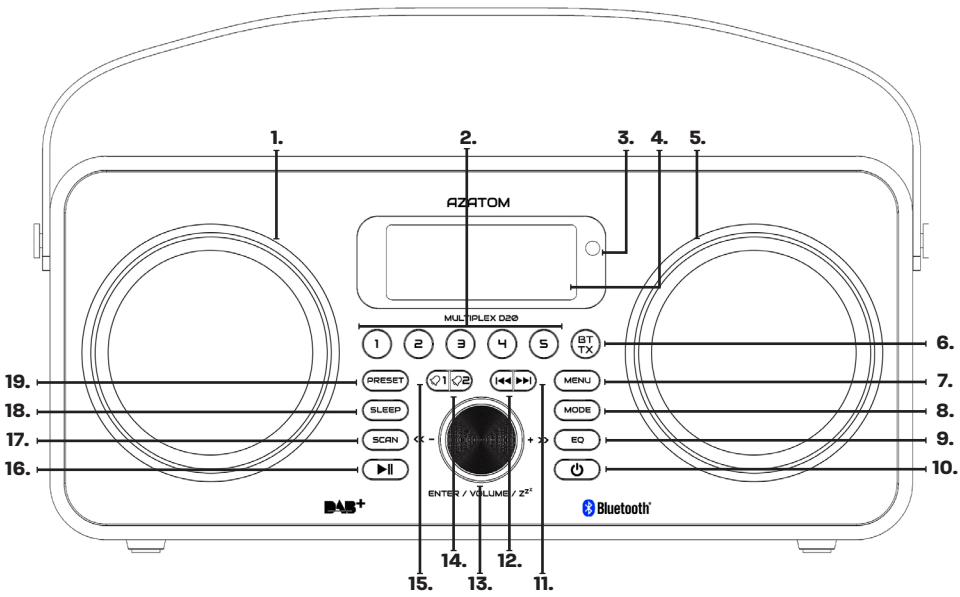


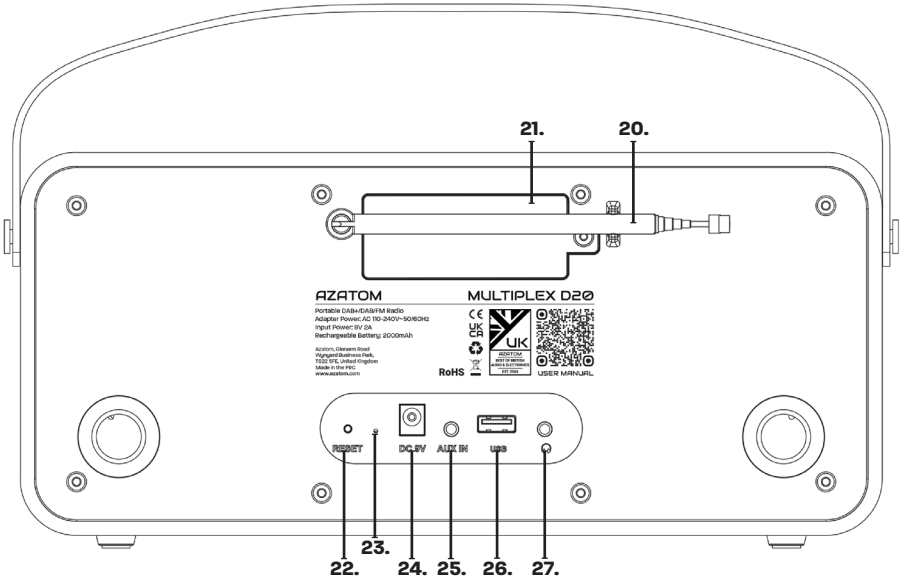


Please read the manual throughly before operating the device

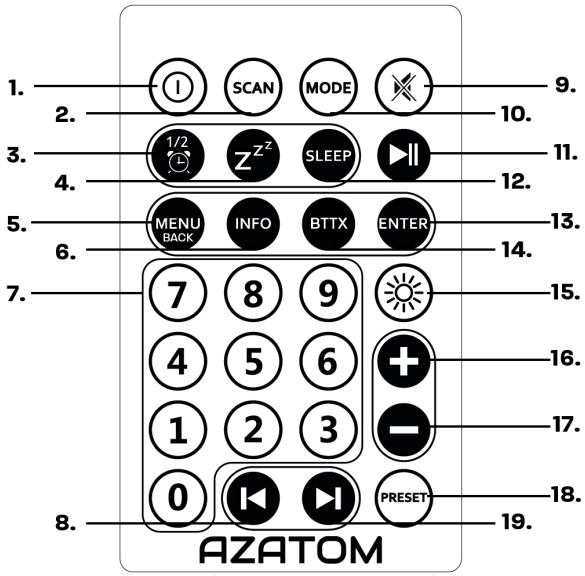
Caution: Only use the supplied power adapter for this device. Do not use for other devices

Controls & Interface





1. Speaker Left
2. Presets 1-6
3. Remote Sensor
4. Screen Display
5. Speaker Right
6. Bluetooth Transmit
7. Menu
8. Mode
9. EQ
10. Power
11. Fast-Forward
12. Re-Wind
13. Enter / Volume / Snooze
14. Alarm 2
15. Alarm 1
16. Play / Pause
17. Scan
18. Sleep
19. Preset
20. Aerial
21. Removeable Battery Cover
22. Reset
23. Led
24. DC 9V Power Port
25. Aux In
26. USB Port
27. Headphone Port



1. **POWER ON/STANDBY** - Short press for standby. Press and hold for power off.
2. **SCAN** - Press for full scan of availalbe stations.
3. **ALARM** - Press once to enter the alarm setting. Press and hold to disable alarm / enable alarm
4. **SNOOZE** - Press to SNOOZE.
5. **MENU / BACK** - Press to enter the menu settings. Press this to go back a step
6. **INFO** - Press for station information
7. **PRESET NUMBERS** - Press and hold to store. Press once to play
8. **SKIP BACK** - Move between different stations
9. **MUTE** - Volume On/OFF
10. **MODE** - Switch between DAB / FM / Bluetooth /AUX
11. **PLAY/PAUSE** - Volume ON/OFF. Play/pause for Bluetooth.
12. **SLEEP** - Press for 15,30,45,60,90, off minutes
13. **ENTER** - Confirm your choices
14. **BTTX** - Bluetooth Transmit. Compatible with Bluetooth Headphones
15. **BRIGHTNESS** - High, Medium, Low, Off
16. **VOLUME +**
17. **VOLUME -**
18. **PRESET** - Press and hold for Preset Store. Press once for Preset List.
19. **SKIP FORWARD** - Move between different stations

Operating Your Radio

1. Extend the Telescopic Aerial.

2. Press the **POWER** button to switch on your radio. The display will show "***Azatom - Digital Radio***."

3. If this is the first time using the unit, it will go into **DAB Mode** and automatically start an 'Auto Scan' to search for available stations. ***(If DAB Mode has been previously utilized, the radio will automatically choose the most recently played station when it is switched back on after being powered off.)***

4. Pressing **SCAN** at any time will automatically scan and store stations. ***(During the scanning process, the lower line of the display shows a bar graph indicating progress of the scan.)***

5. When the scan is complete the first station (in alphanumeric order) will be selected. The clock will automatically set to the current time.

6. If the station list is still empty after the scan your radio will display **"*Service Not Available*"**.

7. If no stations are found, please ensure the aerial is extended and test the reception by doing another auto scan in a different location.

Note: Pressing the POWER button once will but the radio into standby and holding down the button will turn the radio off.

Selecting a Station

With your radio powered on, carefully extend the telescopic aerial fully.

1. Press **MODE** to enter "***DAB***" mode.

2. The top line of the display shows the name of the station currently selected.

3. Press I◀◀ or ▶▶I buttons, then turn the dial to cycle through the list of available stations then press **ENTER** to tune into that station.

Auto Scan

To find new stations you can auto scan as follows.

1. Pressing **SCAN** at any time will automatically scan and store stations.

2. Or press the **MENU** button, then use the dial to highlight **"*Full Scan*"** and press **ENTER**.

3. The display will show "***Scanning...***" and your radio will perform a scan of the Band III DAB channels. As new radio stations are found the station counter on the right-hand side of the display will increase and the radio stations will be added to the list stored in the radio.

Continued on Next Page

Secondary Services - DAB

1. Some radio stations have additional secondary services associated with them. If a radio 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 services as you turn the dial.

2. Press **ENTER** to confirm the station selection.

3. When the secondary service shuts down, your radio will automatically switch back to the main radio station if it is available.

DAB Manual Scan

Manual tuning allows you to tune to the various DAB Band III channels. UK DAB stations located in the range 11B to 12D.

1. Press **MENU**, then turn the dial to highlight **"*Manual Tune*"** and press **ENTER**.

2. Turn the dial to highlight your desired channel.

3. Press **ENTER**, the graph will indicate the signal strength, and the upper line will show the name of the DAB multiplex (group of radio stations). Any stations found will be added to the stored list in the radio.

4. Press **MENU** to return to the normal tuning mode.

Dynamic Range Control (DRC)

Dynamic **R**ange **C**ontrol *(also known as DRC)* can make quieter sounds easier to hear when your radio is used in a noisy environment.

1. Press **MODE** to enter **"DAB"** mode.

2. Press **MENU** then turn the dial until the display shows **"*DRC*"**. Press **ENTER** to enter the settings menu.

3. Turn the dial to select the required DRC setting (the default is OFF).

   DRC OFF - DRC is switched off, broadcast DRC will be ignored.
   DRC LOW - DRC level is set to 1/2 that sent by broadcaster.
   DRC HIGH - DRC level is sued as sent by broadcaster.

4. Press **ENTER** to confirm the setting. The display will return to the previous display.

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

Prune DAB

Prune : (To remove stations which are listed but unavailable).

1. In DAB mode, press **MENU** and turn the dial until **"*Prune*"** is highlighted on the display then press **ENTER**.

2. Turn ENTER dial to find "YES". Press ENTER button to confirm to prune.

Note: this removes all the invalid stations indicated in the station list with a "?" in front of the station name.

FM Radio

Selecting a Station

With your radio powered on, carefully extend the telescopic aerial fully.

1. Press **MODE** to enter **"FM"** mode.

2. The top line of the display shows the frequency of the station currently selected.

3. Press ⏮ or ⏭ buttons to cycle through the list of available stations and fine tune the FM frequencey by 0.05mHz then press **ENTER** to tune into that station.

Auto Scan

1. Press **MODE** to enter **"FM"** mode.

2. Press the **SCAN** button. Your radio will begin scanning for the next available frequency and will immediately play that station.

3. You can also press and hold the ⏮ or ⏭ buttons, to fast search to the next available FM station.

Display Settings

Backlight Auto Setting:

1. Press **MENU** and turn the dial until "***Settings*** " is highlighted on the display then press **ENTER.**

2. Turn the dial until "***Backlight*** " is highlighted on the display then press **ENTER.**

3. Turn the dial until **"*Backlight Auto*"** is highlighted then press **ENTER.**

4. Turn the dial to choose between **10, 20, 30, 45, 60, 90, 120, 180 seconds**, or **"ON"** to cancel auto dimmer. press **ENTER** to set.

Set Brightness:

While in any playing mode, push the **DIMMER** button on the dial to cycle through the different levels of Brightness. There is four levels of brightness to choose from, High, Medium, Low and Off.

Using Presets

You can save your preferred DAB and FM radio stations to the preset station memories. Your radio has a total of 80 memory presets, with 40 allocated for DAB and 40 for FM. The steps to store presets are the same for both DAB and FM modes.

1. With the radio powered on, Press **MODE** button to choose "***DAB***" or "***FM***" mode.

2. IMPORTANT: Make sure the station you want to preset is actually playing.

3. Press and hold the **PRESET** button until you see "***Preset store***" hightlighted on the screen (not "***Preset Recall***")

4. Using the dial, scroll along to the desired preset number that you wish to store the station to and press **ENTER**.

5. Once correctly stored, **"*Preset 01 Stored*"** will display on the screen. The station will be stored under the chosen preset. Repeat this process for any other stations you wish to save.

Note: Stations which have been stored in a preset slot may be overwritten by following the above procedure and selecting a already used slot.

Continued on Next Page

Fast Preset

Radio - To fast preset use the numbered buttons **"1, 2, 3, 4, 5 & 6"** on the radio. Play the station you want to save. Press and hold the numbered button until you see **"*Preset stored*"**. You can choose any of the preset number buttons. The maximum number of presets you can save this way is 6.

Remote - Use the numbered buttons **1,2,3,4,5,6,7,8,9** on the remote. Play the station you want to save. Press and hold the numbered button on the remote until you see **"*Preset stored*"**. You can choose any of the preset number buttons. The maximum number of presets you can save this way is 9.

Recalling Presets:

1. With the radio powered on, Press **MODE** button to choose **"*DAB*"** or **"*FM*"** mode.

2. Press the **PRESET** button to see **"*Preset Recall*"** not **"*Preset Store*"**

3. Using the dial. Scroll along to the desired preset number that you wish to play and press **ENTER.**

Fast Preset Recall:

If you have already saved your presets you can choose which one to play with the fast recall buttons.

Radio - Press **1, 2, 3, 4, 5 & 6** at any time to play any of your stored presets.

Remote - Press **1, 2 , 3, 4, 5, 6, 7, 8 ,9** at any time to play any of your stored presets.

Note: If you have not previously stored a preset station and the preset button is pressed "Empty preset" will be displayed.

Bluetooth

To pair your device via Bluetooth for the first time:

1. Press **MODE** until "***BT*** " is highlighted on the display then press **ENTER**.

2. After a few seconds, the speaker will automatically go into paring mode.

3. On your Bluetooth device (such as mobile phone) do a search and once available please select ***"Azatom Multiplex D20"***.

4. Once connected, the screen will say ***"Bluetooth connected"***.

5. You can press the ▶II button on the front of the Multiplex D20 to play and pause your music.

Aux - In

Aux-in mode plays audio from an external source such as a smart phone.

1. Plug one end of a 3.5mm audio cable (excluded) into the headphone or line out jack on your player or device, plug the other end of the cable into the unit Aux-In port.

2. Turn on the external audio source and play your device.

3. Press **MODE** button to **"*Aux Input*"** mode.

4. The volume level can be now controlled through the main unit.

Please ensure the cable is disconnected to listen to the radio in other modes such as DAB and FM.

Bluetooth Transmit

Bluetooth Transmit allows you to listen wirelessly using Bluetooth headphones or AirPods.

1. Ensure your Bluetooth headphones or AirPods are fully charged and in pairing mode (refer to your device's instructions).

2. Press **BT TX** until you see ***"TX"*** appear in the top right corner of the screen. The unit will begin scanning for nearby Bluetooth devices and will automatically connect to any device in pairing mode.

3. Once paired, audio from the unit will play through your Bluetooth headphones.

4. Use the volume controls on the D20 to adjust the sound to your preference.

Please ensure your Bluetooth headphones are disconnected to listen to audio through the built-in speaker. Press and hold **BT TX** again to disconnect Bluetooth output.

Time & Date Settings

When the radio is first turned on and the scan has completed, the time and date should have automatically been set. If there is no DAB/FM signal available, you will need to set the time and date manually when turned on for the first time.

1. Press **MENU** and turn the dial until "***Settings*** " is highlighted on the display then press **ENTER**.

2. Turn the dial until "***Time/Date***" is highlighted on the display then press **ENTER**.

3. Turn the dial to select **"*Set Time/Date*"** then press **ENTER**. You can also use the dial to set the **AUTO UPDATE, 12/24 Hour Modes** and **Date Format.**

4. Turn the dial to set the hour, then press **ENTER**.

5. Turn the dial to set the minutes, then press **ENTER**.

6. Turn the dial to set the day, then press **ENTER**.

7. Turn the dial to set the month, then press **ENTER**.

8. Turn the dial to set the Month, then press **ENTER**.

9. After pressing enter, the time and date will be saved.

Alarm Settings

NOTE: PLEASE SELECT A RADIO STATION BEFORE SETTING THE ALARM. You will be given the option to choose from last station used or one of your favourite preset channels.

1. Press either **ALARM 1** or **ALARM 2** to enter the setting menu.

2. Use the dial to set the alarm hour and press **ENTER** to confirm.
3. Use the dial to set the alarm minutes and press **ENTER** to confirm.

4. Use the dial to chose a duration: **15, 30, 45, 60, 75, 90 minutes** and press **ENTER** to confirm.

5. Use the dial to set alarm sound source, chooze between ***Buzzer / FM / DAB*** and press **ENTER** to confirm.

6. Use the dial to set when the alarm is active, you can choose ***Once / Daily / Weekdays / Weekends***. Press **ENTER** to confirm.

7. Use the dial to set the alarm volume and press **ENTER** to confirm.

8. Use the dial to choose whether you want the alarm ***ON/OFF*** and press **ENTER** to confirm.

Enable or Disable Alarms

At any time you can disable or enable the alarm. Press and hold the **ALARM** button to disable or enable the alarm. The display will show the alarm logo when enabled.

Snooze

1. When the alarm sounds, pressing the dial will temporarily silence the alarm, you can choose the time from **5, 10, 15 & 30 minutes** by turning the dial.

2. The snooze function also has a countdown allowing you to see how long before the alarm re-sounds.

Stop The Alarm

When the alarm is sounding you can press **ALARM** or **STANDBY** buttons to silence the alarm sound. The radio will then return to Standby mode - This cancels the alarm, to snooze please use the dial.

Sleep Timer

Your radio can be set to turn off after a preset time period has elapsed. The sleep setting can be adjusted from 15 to 90 minutes.

1. Press the **SLEEP** button.

2. Turn the dial to cycle through the sleep timers. Choose between **15, 30, 45, 60** and **90 minutes** or **Sleep Off** which will cancel the sleep time.

3. Press **ENTER** to confirm the setting. The sleep timer indicator "***Sleep***" will show on the display alongside a small countdown. Your radio will switch off after the pre-set sleep time has elapsed.

4. To cancel the sleep timer, Press **SLEEP** and cycle through to "***Sleep Off"*** and press **ENTER** to confirm.

Factory Reset

If your radio fails to operate correctly, or some digits on the display are missing or incomplete, it may be possible to restore normal operation by carrying out a system reset. This will restore the radio's settings to their factory defaults. If you have moved to a different part of the country and you wish to erase local DAB radio stations that are no longer available from the stored list, then you may carry out this procedure.

Note: All your presets will be erased throughout this procedure

1. Press **MENU** and use the dial until "***Settings*** " is highlighted on the display then press **ENTER.**

2. Press **MENU** and use the dial until "***Factory Reset*** " is highlighted on the display then press **ENTER.**

3. If you wish to perform the reset operation, use the dial until "***YES***" is highlighted on the display and press **ENTER.** A full reset of your radio will be performed, All preset stations & station lists will be erased.

   If you do not wish to reset your radio turn the dial until **"NO"** is highlighted and press **ENTER** to confirm. Your radio will return to the previous menu.

4. After a system reset a scan of the DAB band will be automatically performed.

If your radio locks at any time you can use the **RESET** button on the rear of the radio. Just press is once and it will reboot.

Earphones

Note: Earphones are not included with the Multiplex D20 Radio

1. Plug the earphones into the Earphone socket on the rear of your radio.

2. Check that the Volume level is not too loud before placing the ear-pieces into your ears.

FM Stereo/Mono (Earphones only)

Use this if a FM station being received has a weak signal and some distortion is audible (especially when listening using earphones).

1. Press **MENU** and turn the dial until "***Settings*** " is highlighted on the display then press **ENTER**.

2. Turn the dial until "***Audio Setting*** " is highlighted on the display then press **ENTER**.

3. Turn the dial until "***Forced Mono*** " is highlighted on the display then press **ENTER**.

4. To return to stereo mode turn the dial until **"*Audio Setting*"** is highlighted then press the **ENTER**.

5. Turn the dial to highlight **"*Stereo Allowed*"** and press **ENTER.** Your radio will switch to stereo mode.

Note: Stereo listening is only available when listening via earphones.

Removable Rechargeable Battery

This product contains a rechargeable battery pack that can be removed and replaced by the user. To access the battery, switch off the radio, disconnect it from the power supply and remove the screws securing the battery compartment cover using a suitable screwdriver. Carefully disconnect the battery connector and remove the battery pack.

Replace only with a compatible battery pack of the correct type and specification. Do not puncture, crush, short-circuit or expose the battery to heat or fire. Refit the battery compartment cover securely before using the radio. Dispose of used batteries separately from household waste at an appropriate battery collection point.

Important Safety Information

1. Read these instructions.
2. Keep these instructions. Instructions are also available for download at www.azatom.com
3. Heed all Warnings.
4. Follow all instructions.
5. Do not clean the apparatus near or with water.
6. Clean only with a Dry Cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, conveience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug this apparatus during light storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. ***(Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.)***
13. No naked flame sources, such as lit candles, should be placed on the apparatus.
14. Dispose of used electrical products and batteries safely according to your local authorty and regulations.

ADDITIONAL WARNINGS

The apparatus shall not be exposed to dripping or splashing and no objects filled with liquid, such as vases, shall be placed on apparatus.

Main plug is used to disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the main mains completely, the mains plug should be disconnected from the main socket outlet completely.

If any battery is included it shall not be exposed to excessive heat such as sunshine, fire or the like.W

RECYCLING ELECTRICAL PRODUCTS

You should now recycle your waste electrical goods and in doing so help the environment.



This symbol means an electrical product should not be disposed of with normal household waste. Please ensure it is taken to a suitable facility for disposal when finished with.

IMPORTANT: Please read all instructions carefully before use and keep for future reference



- Risk of electric shock. Do not open



- Read all instructions carefully before use and keep for future reference.



- When servicing, use only identical replacement parts.





Specifications

Max Output power 30 Watts
S/N ratio:≥70dBA
Distortion:≤1%
Frequency Response: 100HZ-18KHZ
Audio input mode: DAB, FM, BT, AUX
Adjustment form: knob & button adjustment
Speaker size: 70mm Internal magnetism (4 ohms)
Input power: 3.7V / 2000mAh lithium-ion battery
DAB receive input sensitivity: -95dBm
FM receive input sensitivity: -105dBm
Working temperature: -10ºC-+50 ºC
Storage ambient temperature: -20ºC ~ +70 ºC
Unit size: 180mm x 130mm x 95mm (HxWxD)
Weight: About 860 g

Adapter
Input: 100-240V 50/60Hz 0.3A Max
Output: 9V 2000mA

CAUTION: Only use the supplied power adapter for this device.
Do not use for other devices.

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BEST OF BRITISH AUDIO & ELECTRONICS

3 YEAR WARRANTY

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WARRANTY REGISTRATION

SCAN ME

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