# John Lewis

# DAB/FM digital radio
# Instruction manual
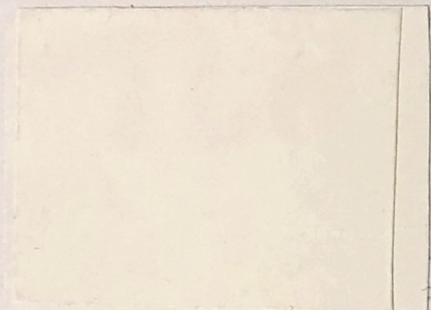
# Contents

## Important safety information

Thank you for purchasing this John Lewis DAB/FM radio. Please read the instructions and warnings carefully before use, to ensure safe and satisfactory operation of this product.

It is most important this instruction leaflet be retained with the product for future reference. These warnings have been provided in the interest of safety. You MUST read them carefully before using the appliance. If you are unsure of the meanings of these warnings contact the John Lewis branch from which you purchased the appliance.

– This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
– To protect against fire, electric shock and injury to persons DO NOT IMMERSE CORD, plug or base unit in water or other liquids.
– Unplug from the mains when not in use, before putting on or taking off parts and before cleaning.
– Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been damaged in any manner. Return the appliance to the nearest John Lewis store.
– Do not let power cord hang over edge of table or counter, or touch hot surfaces.
– In the event of a fault, contact your nearest John Lewis store. No repair should be attempted by the consumer.
– Do not use the appliance for anything other than intended use.
– For household use only.
– Do not use outdoors.
– Save these instructions for future reference.

**Warning.** Polythene bags over the product or packaging may be dangerous. To avoid danger of suffocation, keep away from babies and children.

## Your DAB/FM Radio

1  Power button
2  Bluetooth button
3  Menu/Enter button
4  Reset button
5  Info button
6  DAB/FM button
7  Preset/Play button
8  Left button
9  Right button
10  – Station+ button
11  – Volume+ button
12  NFC sensor position
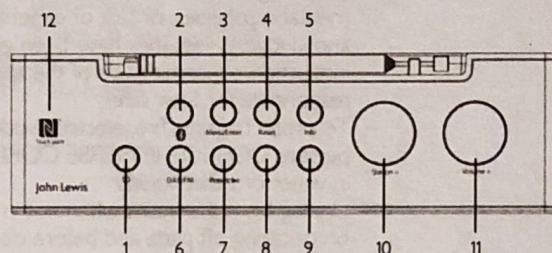


## Packing list

1  DAB/FM digital radio × 1
2  USB AC adaptor × 1
3  USB power cable × 1
4  Instruction manual × 1

## 5 Step guide to getting started

Press '⏻' to turn on.

### For DAB

1  Press 'DAB/FM' button to select DAB.
2  If this is the first time the radio will automatically start scanning.
3  Turn the '– STATION +' dial to find desired station.
4  Your radio will automatically tune.
5  Adjust the volume using the '– VOLUME +' dial, turn anticlockwise to decrease and clockwise to increase volume.

### For FM

1  Press 'DAB/FM' button to select FM.
2. Scan for station, hold down 'RESET' button.
3  Turn the '– STATION +' dial to find desired station.

Note: In FM mode you can also tune the station manually, turning the '– STATION +' dial clockwise or anticlockwise to adjust the FM frequencies by 50kHz up or down respectively.

4  Your radio will automatically tune.
5  Adjust the volume using the '– VOLUME +' dial, turn anticlockwise to decrease and clockwise to increase volume.

Note: During scanning, the sound will be muted automatically.

## 1 Basic operation

### 1.1 Standby mode

Connect the USB adaptor to the micro USB port of the radio. It will then enter standby mode.

### 1.2 Switch between Standby, DAB, FM and Bluetooth mode

Press the 'POWER' button to turn on the radio. It will enter radio mode.

Press the 'DAB/FM' button toggle between DAB and FM mode.

Press the 'Bluetooth logo' button to enter Bluetooth mode. Press the 'POWER' button once to return to standby mode.

### 1.3 DAB radio mode

DAB mode receives DAB digital radio and displays information about the station and programme/track as broadcast.

### 1.4 FM radio mode

FM mode receives analogue radio from the FM wave band and displays RDS (Radio Data System) information about the station and show(where broadcast). While FM is playing, the screen shows its frequency or, if RDS information is available, station name and any further 'Radio Text' information. If no information is available, just the frequency and a 'NO RADIO TEXT' message is shown.

### 1.4.1 Scan FM mode advanced

The first time you select FM radio, and press the 'RESET' button to scan available stations, it will default to the lowest frequency in the FM band. It can be set to stop at each station or only stations with a strong signal (for details see scan setting on section 7.2.1).

### 2 'RESET' button

Once you have used the 'RESET' button to scan in stations for the first time you may need to repeat this occasionally for the following reasons:

- New stations may become available from time to time.
- Stations closed or can no longer be received (In the station list, invalid stations are indicated with a question mark in front of their name).
- If reception was not good for the original scan (for example the antenna was not up), this may result in an empty or incomplete list of available stations.
- If you have poor reception of some stations, causing the audio to break up, you may wish to list only stations with good signal strength.

### 3 Scanning

Once a scan is complete the radio returns to playing the previously selected station or first station on the station list.

### 4 Preset

The system can store 10 DAB stations and 10 FM stations to the preset list.

### 4.1 Store a station to the preset list

To store a station, select your desired radio station, then press and hold the 'PRESET' button for 3 seconds until the LCD displays 'RESET STORE #:(EMPTY)', and the preset number will flash. Either rotate the '– STATION +' button or press the 'LEFT' or 'RIGHT' buttons to select your desired station preset number. Press the 'MENU/ENTER' button to confirm your selection; the display will show 'PRESET # STORED'.

### 4.2 Recall a station from the preset list

To recall a preset station, press the 'PRESET' button once, then either rotate the '–STATION+' button or press the 'LEFT' or 'RIGHT' buttons to select preset station that you have stored. When the display shows your desired preset number, press 'MENU/ENTER' button to confirm.
**Note:** If you choose a preset that hasn't been allocated a station, then 'EMPTY' will be displayed.

### 5 Info

Press 'INFO' button repeatedly; it will show the information on the screen.

### 5.1 DAB info

You can view further information under DAB mode; options include:

- DLS (Dynamic Label Segment – short text information broadcast with DAB audio)
- Signal strength
- PTY (Programme Type)
- Ensemble
- Frequency
- Signal quality
- Bitrate codec
- Time
- Date

### 5.2 FM info

You can view further information under FM mode; options include:

- Radio text
- PTY (Programme Type)
- PS (Programme Service)
- Stereo and mono
- Time
- Date

### 6 Bluetooth® speaker

The Bluetooth® capabilities of this unit enable it to receive audio from many Bluetooth® capable devices including mobile phones, personal computers and PDAs. It supports the A2DP and AVRCP Bluetooth® profiles and functionality. Only one device per profile can be connected concurrently.

## 6.1 Stereo music connection to your mobile phones

This connection requires a mobile phone supporting the Bluetooth® A2DP profile for stereo music connection. In order to create new Bluetooth® connection you will need some familiarity with the Bluetooth® functions of your mobile phone. As each phone operates slightly differently, please familiarise yourself with the Bluetooth® capabilities of your device before connecting.

## 6.2 Pairing Bluetooth® by NFC

If your smart device has NFC function, you can pair Bluetooth® by using NFC.

1  Turn on both NFC and Bluetooth® functions in your smart device.
2  Play music on your phone.
3  Place your smart device on the NFC icon, ensuring your NFC chip is on top of the NFC icon. When the NFC is detected, it will change to Bluetooth® mode and you will see the icon blink (Figure 6.1a & 6.1b). If this is the first time using your smart device to connect, it will prompt a Bluetooth® connection message* on your smart device, please confirm it and it will automatically connect.
4  When Bluetooth® is connected you will see the Bluetooth® icon light up (Figure 6.2), accompanied by a long 'beep' sound. You can now play music via the radio.
5  If you want to disconnect the Bluetooth®, place your smart device on the NFC logo again, and the Bluetooth® will disconnect after two 'do do' sounds and the screen will blink again (Figure 6.1a & 6.2b).
6  You can also control your music playback by using the radio buttons. Either press '◄' button or rotate '– STATION +' anticlockwise once to select previous song. Either press '►' button or rotate '–STATION+' clockwise once to select next song. Press '►II' button to play/pause.

*Note: Different brands may have different connection messages – please refer to your smart device menu.

Note: An increasing number of computing devices include support for Bluetooth®, and many include support for stereo music over (A2DP) Bluetooth® profile. For best performance from your particular device, please ensure that you are using the latest update of software drivers and/or firmware
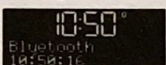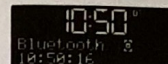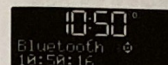

Figure 6.1a


Figure 6.1b


Figure 6.2

available. In certain circumstances, updating the software drivers or firmware of your device to the latest release may add support for A2DP that was not available in a previous release. Please contact the vendor of your device for such updates and refer to the device user manual for update procedures. Please remember that system updates should only be performed by qualified individuals after performing a full system backup.

## 6.3 Pair Bluetooth®

If your smart device doesn't have the NFC function, you can connect it direct by searching the Bluetooth®.

1  Ensure that the Bluetooth® on your smart device is powered on. You might need to refer to your smart device user manual for details.
2  Keep your radio and your smart device where they are no more than 3 feet apart.
3  Select Bluetooth® mode on your radio, press the Bluetooth® logo button once until the display shows 'Bluetooth®' together with the flashing icon (Figure 6.3a & 6.3b).
4  Use your smart device to search for Bluetooth® devices and follow the instructions on your smart device's screen. You will recognise the radio by its Bluetooth® name 'JL Radio'. If you are prompted for a password, enter '0000'.
5  Select and confirm the pairing, the connection will be completed in a few seconds with a long 'beep' sound, and the Bluetooth® icon will light up on LCD (Figure 6.4) showing you are connected and ready to play your music.
6  You can disconnect the current Bluetooth® connection by holding the Bluetooth® logo button. When disconnected, it will make two 'do do' sounds, and the screen will blink again (Figure 6.3a & 6.3b).
7  You can also control your music playback by using the radio buttons. Either press '◄' button or rotate '–STATION+' anticlockwise once to select previous song. Either press '►' button or rotate '– STATION +' clockwise once to select next song. Press '►II' button to play/pause.

Note: Some devices may connect and disconnect as you make and end calls. This is not an indication of a problem with your radio.


Figure 6.3a


Figure 6.3b


Figure 6.4

## 6.4 More about Bluetooth®

Advanced audio distribution profile (A2DP)
- High-quality stereo audio connection
- Streaming of stereo music from PC, mobile phones, etc
  Audio video remote control profile (AVRCP)
- Device remote control
- Control connected device

## 6.5 Bluetooth® performance considerations

**Note:** Bluetooth® connectivity performance may vary with brand and model of the connected device. For best performance, please connect newer Bluetooth® devices incorporating Bluetooth® 2.1 and using the latest firmware update available from the device vendor. Compatibility with all devices and media types is not guaranteed. Ensure all Bluetooth® devices within 30 feet have Bluetooth® transmission disabled. The presence of other functioning Bluetooth® devices during connection may lead to operational difficulties. Bluetooth® is a short-range radio communication standard. The Bluetooth® transmitter and receiver hardware in this unit has an approximate operational range of 30 feet in open space.

Generally Bluetooth® devices can communicate with each other clearly within a regular sized room or office. Operation between different rooms will depend on the construction of the room. It is important to recognize the fact that Bluetooth® communication range may be substantially reduced if the signal passes through a solid object. Human bodies, brick and concrete walls, and heavy furniture or bookcases will reduce the operational range of your Bluetooth® devices. Glass, dry-wall or wood panelled walls and office partitions may have a less severe but noticeable effect. You should position your Bluetooth® devices closer to each other if you observe communication difficulties.

## 7  Advance settings

The advance settings allow you to tailor the DAB/FM radio with a variety of options to suit you. In order to access advance settings from DAB or FM mode, press and hold the 'MENU/ENTER' button for 3 seconds.

## 7.1 DAB radio mode

Under the advance settings menu, rotate the '– STATION +' knob to select an option through the menu. Then, stop at your preferred option and press the 'MENU/ENTER' button to confirm. The advance settings menu options are:
- Full scan
- Manual tune
- DRC
- Prune
- System

### 7.1.1 Full scan

Under advance settings menu, rotate the '– STATION +' knob to select 'FULL SCAN' in the list of options. Press 'MENU/ENTER' button to confirm and full scan starts automatically. Once a scan is completed, the radio returns to play the previously selected station or first station on the list.

**Note:** If no radio station is found, it shows 'NO DAB STATION'. For a better reception, extend the antenna or do the full scan again in another place.

### 7.1.2 Manual tune

As well as the normal method of scanning, you can also manually tune to a particular channel/frequency. This can be useful for adjusting your antenna to achieve the best possible reception and scanning a particular channel to update the station list.

Under advance settings menu, rotate the '– STATION +' knob to select 'MANUAL TUNE' in the list of option. Press 'MENU/ENTER' button to confirm. Then rotate the '– STATION +' knob to select a particular channel / frequency and then press 'MENU/ENTER' button to confirm the setting.

The display shows a live indication of the received signal strength on the selected frequency. Adjustments to your antenna will affect the received signal strength displayed.

### 7.1.3 DRC (Dynamic Range Compression)

This function reduces the difference between the loudest and quietest audio being broadcast. Effectively, this makes quiet sounds comparatively louder and loud sounds comparatively quieter.

Options: Off (default)/high/low

Under advance settings, rotate the '– STATION +' knob to select 'DRC' in the list of options. Press 'MENU/ENTER' button to confirm.

Then rotate the '– STATION +' knob to select a particular setting and press 'MENU/ENTER' button to confirm the setting.

**Note:** DRC works only if it is enabled by the broadcaster for a specific station.

### 7.1.4 Prune
### (remove stations that are listed but unavailable)
This removes all invalid stations indicated in the station list with a '?' in front of the station name.

Under advance settings menu, rotate the '– STATION +' knob to select 'PRUNE' in the list of options.

Press 'MENU/ENTER' button to confirm.

Then rotate the '– STATION +' knob to select <Yes>, and press 'MENU/ENTER' button to confirm.

### 7.1.5 System
The System menu options are:
– Time
– Backlight
– Factory reset
– SW version

#### 7.1.5.1 Time
In the time menu, you can set the time, time format and source for the time update.

##### 7.1.5.1.1 Set time/date
Under the system menu, rotate the '– STATION +' knob to select 'TIME' in the list of option.

Press the 'MENU/ENTER' button to confirm.

Then rotate the '– STATION +' knob to select 'Set Time/Date' in the list of options.

Press the 'MENU/ENTER' button to confirm.

Set the time (Hour) by rotating the '– STATION +' knob and confirming the setting by pressing the 'MENU/ENTER' button.

Set the time (Minute) by rotating the '– STATION +' knob and confirming the setting by pressing the 'MENU/ENTER' button.

Set the date by rotating the '– STATION +' knob and confirming the setting by pressing the 'MENU/ENTER' button. It will show the 'TIME SAVED'.

##### 7.1.5.1.2 Auto update
Under the system menu, rotate the '– STATION +' knob to select 'TIME' in the list of options.

Press the 'MENU/ENTER' button to confirm.

Then rotate the '– STATION +' knob to select 'AUTO UPDATE' in the list of options.

Press the 'MENU/ENTER' button to confirm.

Rotate the '– STATION +' knob to select the source for the time update, and then press the knob to confirm.

Source for the time update: Update from any/Update from DAB/Update from FM/No update

##### 7.1.5.1.3 Set 12/24 hour
Under the system menu, rotate the '– STATION +' knob to select 'TIME' in the list of options. Press the 'MENU/ENTER' button to confirm.

Then rotate the '– STATION +' knob to select 'SET 12/24 HOUR' in the list of options.

Press the 'MENU/ENTER' button to confirm.

Rotate the '– STATION +' knob to select the time format and then press the 'MENU/ENTER' button to confirm.

##### 7.1.5.1.4 Set date format
Under the system menu, rotate the '– STATION +' knob to select 'TIME' in the list of options.

Press the 'MENU/ENTER' button to confirm.

Then rotate the '– STATION +' knob to select 'SET DATE FORMAT' in the list of options.

Press the 'MENU/ENTER' button to confirm.

Rotate the '– STATION +' knob to select the date format and then press the 'MENU/ENTER' button to confirm.

#### 7.1.5.2 Backlight
This radio display has a backlight with adjustable time-out (this is the time delay, in seconds, after which the display switches off).

Time-out options:
Light On | 10 | 20 | 30 | 45 | 60 | 90 | 120 | 180
Under the system menu, rotate the '– STATION +' knob to select 'BACKLIGHT' in the list of options. Press the 'MENU/ENTER' button to confirm.

Then, rotate the '– STATION +' knob to choose the time-out for the backlight and press the 'MENU/ENTER' button to confirm the new setting.

### 7.1.5.3 Factory reset

A factory reset clears all user defined settings, replacing them with the original default values, so time/date, preferences/settings, DAB station list and preset stations are all lost.

Under the system menu, rotate the '– STATION +' knob to select 'FACTORY RESET' in the list of options.

Press the 'MENU/ENTER' button to confirm. Then, use the '– STATION +' knob to choose <Yes> and press once to start the factory reset.

### 7.1.5.4 Software version

This is used to display the current software version.

Under the system menu, rotate the '– STATION +' knob to select 'SOFTWARE VERSION' in the list of options. Press the 'MENU/ENTER' button to confirm. The existing SW version will be shown.

## 7.2 FM radio mode

Under the advance settings, rotate the '– STATION +' knob to scroll through the list of options. Stop at your preferred option, and then press the 'MENU/ENTER' button to confirm the function.

The advance settings menu options are:

– Scan
– Audio
– System (please refer to 7.1.5)

### 7.2.1 Scan setting

By default, FM scans stop at any available station (All stations). This may result in poor quality audio from weak stations.

Options: Strong stations only/All stations

Rotate the '– STATION +' knob to select a particular option in Scan setting, then press the 'MENU/ENTER' button to confirm the change to new setting.

### 7.2.2 Audio setting

By default, all stereo stations are reproduced in stereo. For weak stations, this may result in poor quality audio. The audio quality can be improved using mono.

Options: Stereo/Mono

Rotate the '– STATION +' knob to select a particular option in Audio setting, then press the 'MENU/ENTER' button to confirm the change to new setting.

### 7.2.3 System
Please refer to 7.1.5.

## 8 Troubleshooting and error messages
## 8.1 Troubleshooting

Problem: FM: Hiss
DAB: Burbling/intermittent cut-out
DAB: No stations available message
Cause: Low signal strength
Solution: Check/move antenna.
Move radio.
Rescan local (high-strength) stations only.
For DAB, check local coverage at www.ukdigitalradio.com/coverage then rescan stations.

## 8.2 Error messages
### DAB mode
Service not available: No DAB reception.
Signal error: The DAB signal has been interrupted.
No DAB Station: The listed station cannot be found.
(No Name): The current station does not broadcast an identity name.
No stations found: No DAB stations are available, check aerial.

### FM mode
No RadioText: No RDS text information is available on this station.
No PTY: No RDS programme type information is available.
No Name: No RDS station name is being broadcast.

### General messages
?: LIST_INVALID.

## Specifications

| | |
|---|---|
| Description: | DAB/FM digital radio |
| Audio output: | 2 x 3W RMS |
| Frequency ranges: | FM: 87.5-108MHz; |
| | DAB+: 174-240MHz |
| LCD display: | High resolution display |
| Power supply: | DC power input: 4 x 1.5V |
| | C-size battery |
| | USB power input: |
| | DC 5.5V/2000mA |
| | AC adaptor power input: |
| | 100-240V, 50-60Hz |
| | (please use our |
| | provided adaptor) |
| Dimensions: | 150mm x 240mm x 70mm |

## Changing the batteries

Your product requires 4 x C batteries (not included) for operation.
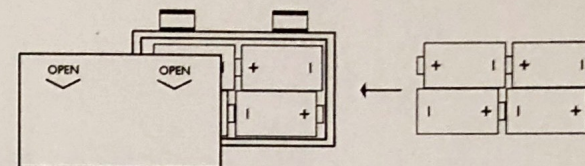


Batteries should be removed and replaced by adults only.
Only use recommended batteries or those of the same or equivalent type.
Do not mix old and new batteries or batteries of different types.
Batteries are to be inserted with the correct polarity.
The supply terminals are not to be short-circuited.
Remove exhausted batteries from item.
Remove batteries if equipment is not used for extended periods of time.
Rechargeable batteries are to be removed from the item before being recharged.
Rechargeable batteries are only to be charged under adult supervision.
Do not attempt to recharge non-rechargeable batteries.
Batteries contain substances that may be harmful to the environment and human health.
Keep out of the reach of children and seek immediate medical help if swallowed.

This symbol  indicates that batteries should not be disposed of in the normal household waste but taken to appropriate local recycling facilities, where and when these are available.

- Never throw batteries in a fire or attempt to open outer casing.