



Portable Rechargeable DAB+ and FM Radio

AV-DB1

Item ref: 120.200UK

User Manual

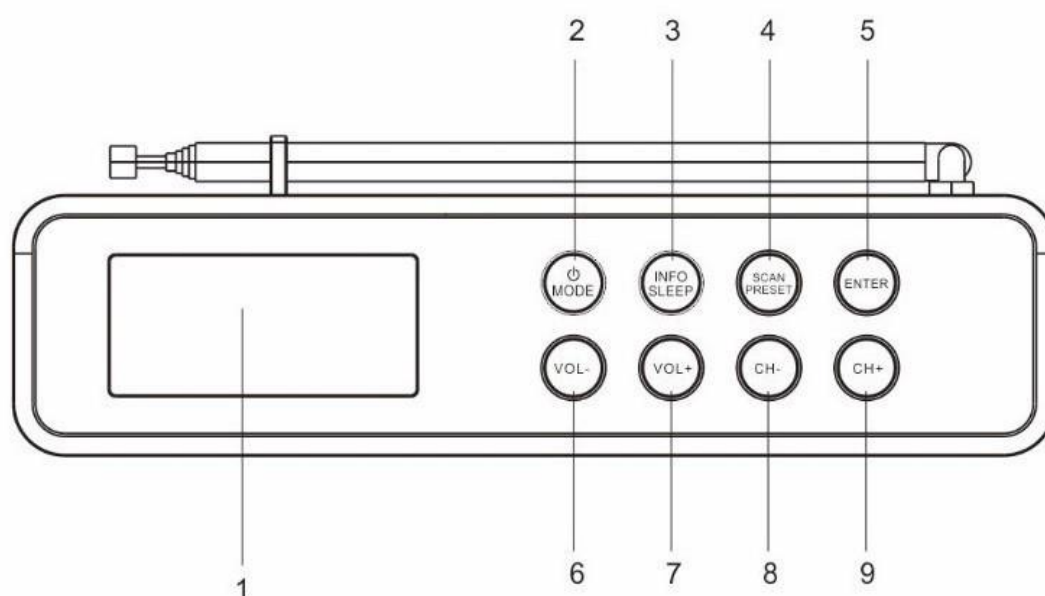
A small yet perfectly formed DAB+ and FM radio, ideal for use at home and on the go. The inbuilt 1200mAh rechargeable battery offers up to 6 hours play time and the 3.5mm headphone jack allows for personal listening without disturbing others. DAB+ provides superior sound quality and a wider choice of channels, and the 20 presets mean you can save your favourite stations for instant access. The unit comes complete with a USB lead for hassle-free charging from any compatible port.

- 20 Presets
- Inbuilt 1200mAh rechargeable battery
- 3.5mm headphone jack
- Sleep timer
- USB charging port (lead provided)

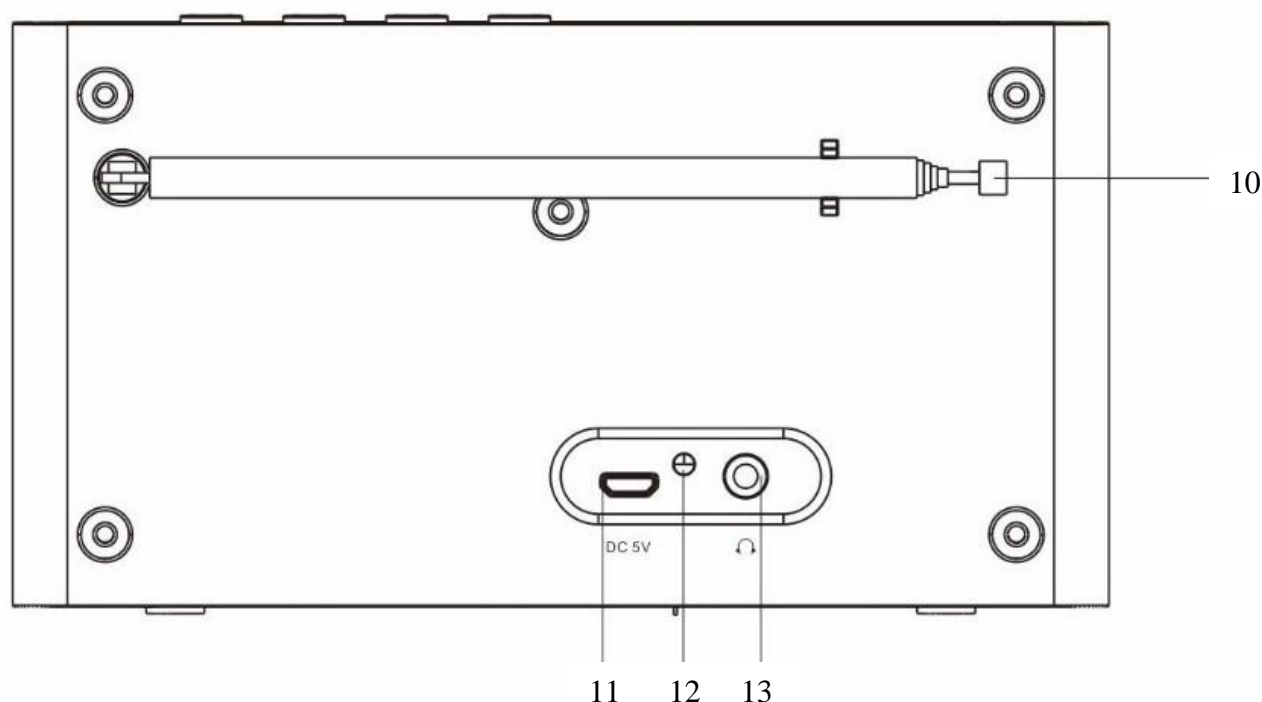
Technical Specifications and Features

DAB Frequency Range	174.928MHz (5A) - 239.200MHz (13F) DAB and DAB+
FM Frequency Range	87.5-108MHz
USB Power	5V 1A
Battery	1200mAH Lithium rechargeable (built-in)
Audio Output	2W RMS
Battery Life	Up to 6 hours from a single charge
Dimensions	163 x 44 x 88mm (LxWxH)
Weight	335g

Top View




Back View



Unit Controls and Features

1. **LCD display panel**
2. **POWER/MODE button:** Short-press to power on and long-press to power off. When the radio is on, short-press to switch between DAB+ and FM modes.
3. **INFO/SLEEP button:** Short-press repeatedly to switch between information messages broadcast by the selected channel provider. Long-press to enter the sleep function, then using the **CH+** and **CH-** buttons, select the desired time frame and press **ENTER** to store your choice. Once selected, the chosen sleep time will appear on the right side of the LCD display panel (for instance 15 mins will appear as **S15** on the display, counting down to **S1** before the radio switches off).
4. **SCAN/PRESET button:** Long-press to scan for stations in either DAB+ or FM mode. When the radio has finished scanning, short-press to enter Preset mode. There are 20 presets available; 10 for DAB+ stations and 10 for FM stations. Select the preset in which you would like to store the current station using the **CH+** and **CH-** buttons, then long-press **ENTER** to store.
5. **ENTER button:** Press to confirm a preset selection, or store the current station as a preset. Short-press while the radio is switched on to operate the display backlight.
6. **VOL- button:** Press to lower volume.
7. **VOL+ button:** Press to increase volume.
8. **CH- button:** Press to manually scan downwards through FM frequency, channels or stored presets.
9. **CH+ button:** Press to manually scan upwards through FM frequency, channels or stored presets.
10. **Antenna:** Manually extend and adjust direction to maximise radio reception.
11. **5V DC USB port:** Use with the USB lead provided to charge the radio's internal battery.
12. **LED indicator:** Glows red when the battery is charging and green when the battery is fully charged.
13. **3.5mm stereo jack:** Use to connect headphones or stereo speakers with a compatible 3.5mm jack plug.

General Usage

- **Charging the battery:** Fully charge the radio's internal battery before first use. Use the USB cable provided and only connect to a suitable power supply. To check the battery capacity at any time, press the **INFO/SLEEP** button repeatedly until you see the battery level indicator  in the bottom of the display panel. When battery power is low, the message "**Battery Low**" will appear on the display panel, indicating that the battery needs recharging as soon as possible. During charging, the LED indicator on the rear of the radio will glow red, changing to green when fully charged. **Note:** If the radio is used while connected to a power source, the LED will always glow red, even if the unit is fully charged.
- **DAB+ station scanning:** On first use, the radio will enter DAB+ mode and perform a channel scan. On completion, the first station in the stored channel list will be played and its name shown on the display screen. To navigate between the stored channels, press the **CH+** or **CH-** buttons repeatedly until you find the channel of your choice, then press **ENTER** to confirm your selection or wait a few seconds for the unit to auto-select the current channel. As this radio uses the improved DAB+ system, channels are stored in regional and countrywide groups, so please continue searching for a channel if you can't find it straight away.
- **FM station scanning:** In FM mode, long-press the **SCAN/PRESET** button to search for the next available station. To fine tune or manually search, press the **CH+** and **CH-** buttons repeatedly.
- **Preset channels:** The radio has a total of 20 available presets; 10 in DAB+ mode and 10 in FM mode. To store the current channel, short-press the **SCAN/PRESET** button and navigate between the preset channel numbers using the **CH+** and **CH-** buttons until you find an available preset. Long-press the **ENTER** button and the message "**SAVED**" will appear on the display panel. Use this process in both DAB+ and FM modes. It is possible to overwrite a stored channel using the same method.
- **Sleep function:** The radio has a sleep function to preserve battery power; useful if you are leaving the house or listening in bed and about to fall asleep. To enable the sleep function, long-press the **INFO/SLEEP** button and then scroll through the time interval selections using the **CH+** and **CH-** buttons until you reach the desired time. Choose between 15mins/30mins/45mins/60mins/90mins and OFF modes, then long-press the **ENTER** button to store the desired time.
- **Channel information:** Information provided by DAB+ and FM channel providers can be accessed via the display screen. Press **INFO/SLEEP** to scroll through the messages, as below:

In DAB+ mode

1. **DLS (Dynamic Label Segmenting):** Radio text broadcasted from the DAB station such as news, current song title, etc.
2. **PTY (Programme Type):** Shows the type of programme currently being played, e.g.: "Music", "Talk", "News" etc. When no information is provided by the channel provider, the message "Programme Type" will be displayed.
3. **Channel/Frequency:** The DAB frequency is displayed; "11C 220.352MHz" for example.
4. **Audio info:** The display shows the digital audio bit rate of the current reception.
5. **Signal error:** The signal strength is displayed graphically.
6. **Time/Date:** The time and date – set automatically – are displayed.
7. **Software version**

In FM mode

1. **RT (Radio text):** Text broadcasted from the FM station.
2. **Signal error:** The signal strength is displayed graphically.
3. **Time/Date:** The time and date – set automatically – are displayed.
4. **Frequency:** The FM frequency for the current radio station is displayed.

5. **Auto / Stereo:** Automatic switching between mono and stereo reception. **Please note:** The accuracy of the time and date displayed depend on the info broadcasted from the radio station.
- **Factory reset:** To revert the radio to factory settings, in power off mode press and hold both the **POWER/MODE** and **SCAN/PRESET** buttons until the message **"RESET System"** appears on the display panel. Once the radio reboots, it will enter DAB+ mode and run an initial channel scan. **Please note:** After using the Factory Reset option, all previously saved presets in both DAB+ and FM frequencies will be lost.

FAQ

Q) Why is the error message "no DAB service" showing on the LCD display panel? **A)** The radio cannot access a DAB+ signal. Try extending the antenna to its full extent, or moving the radio closer to a window or doorway. Alternatively try a factory reset.

Q) Why is there poor reception on the DAB+ service? **A)** Changing the direction and/or extension of the antenna can markedly improve signal quality. Similarly, moving the radio away from electrical equipment such as microwaves, fluorescent lights and cordless phones can help to minimise interference.

Q) Why is there no sound? **A)** Check that the radio volume level isn't turned down or off, or alternatively try tuning to another station.

Q) Why won't the radio switch on? **A)** Check that the battery is charged. If not, connect the radio to a suitable power supply using the USB cable supplied.

Q) Why can't I find the DAB station I'm looking for? **A)** As this radio uses the DAB+ service, channels are stored in regional and countrywide groups, so please continue searching through the entire channel list.

In the box

1. DAB+ and FM radio
2. USB charging cable
3. User manual

Warning

- For reasons of electrical safety, this device must never be immersed in water, exposed to damp conditions or excessive force.
- Do not use this device if you find that it is damaged in any way.
- Only use the power supply provided by the manufacturer.
- When not in use for long periods, disconnect the power supply from the mains.
- Do not attempt to repair this device or take apart under any circumstances, as this will invalidate your warranty.



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.