

IMPORTANT SAFETY INFORMATION



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with a slightly damp cloth.

Do not block any ventilation openings.

Install in accordance with the manufacturer's instructions.

Do not install or operate near any heat sources such as radiators, stoves, or other apparatus that produce heat.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the 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.

Warning: To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture. The product must not be exposed to dripping and splashing and no object filled with liquids such as a vase of flowers should be placed on the product.

No naked flame sources such as candles should be placed on the product.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

Caution: Usage of controls or adjustments or performance of procedures other than those specified herein may result in hazardous exposure.

IMPORTANT

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions,

may cause harmful interference to radio communication. However, this is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

ELECTRICAL INFORMATION

Mains Supply: The mains operating voltage of this unit is marked on a rating plate on the rear of the unit.

The means of disconnecting this appliance from the mains supply is the mains plug. This should be unobstructed and readily operable at all times.

PRELIMINARIES

UNPACKING

Carefully unpack the unit. If it is damaged, please return it to your nearest store for replacement. Remember to take your purchase receipt with you. Retain the User Handbook, the packaging. If you dispose of it, do so having regard to any recycling regulations in your area.

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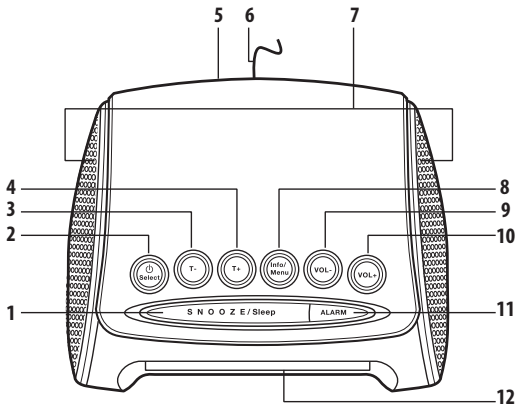
The carton should contain:

- The DAB 820 clock radio
- Operating Manual
- Mains Adaptor

LOCATION

Place the unit on dry stable surface away from heat and damp and where it is unlikely to fall or be knocked over.

TOP VIEW



- | | | |
|------------------------|---------------------|-----------------|
| 1. Snooze/Sleep button | 6. Antenna | 11 Alarm button |
| 2. Select button | 7. Speakers | 12. Display |
| 3. Tuning - button | 8. INFO/MENU button | |
| 4. Tuning + button | 9. Vol - button | |
| 5. DC power socket | 10. Vol + button | |



DB-820 Owners Handbook

DAB clock radio

Please study this handbook carefully before using this radio

GETTING STARTED

1 Extend the antenna as far as it will go.

NOTE: The quality of the DAB/FM reception will be influenced by the positioning of the pigtail antenna.

2 Connect the mains adaptor to the DC power socket on the rear of the radio.

3 The unit will display the word "WELCOME" for a few seconds then display "0:00". After a few seconds the time will be auto detected from the DAB reception.

4 Press the **SELECT** button (2) to switch on the unit (if not already on). The display will show the word "SCANNING" followed by arrows indicating the scan progress.

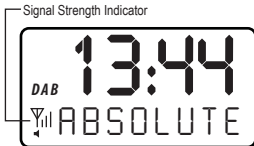
5 When stations are found, the radio will automatically revert to the **DAB** function and play the first station found.

6 The unit will default to the last mode and station used when powered Off and then On again.

0:00

7 If no signal is found during the scan "OFF AIR" will appear on the display and you will need to relocate the radio and perform another scan.

Use the signal strength indicator to determine if there is a signal available. See diagram below.



NOTE: If no signal can be found you may have a weak DAB signal in your area. Repositioning the antenna may improve the signal strength.

DAB OPERATION

1 The default mode is **DAB** but should the unit be in **FM** mode press and hold the **INFO/MENU** button until you see the display flash.

2 Use the **T+ / T-** buttons to cycle through the menu options until you see "TO DAB" when displayed press the **SELECT** button to activate.

3 To select a station from the list (found during the initial scan pt1 getting started) use the **T+ / T-** buttons to cycle through.

4 When the station you wish to listen to is found, press the **SELECT** button.

5 The display will show "TUNING" for a second and then activate the station.

6 Adjust the volume level to the required setting.

NOTE: If no signal is found when activating the station "OFF AIR" will appear on the display and you will need to relocate the radio and perform another scan (see page 3 for manual tuning).

7 To enter standby mode press and hold the **SELECT** button. To resume playback press the **SELECT** button quickly.

MEMORY

Preset Memory

Ten present stations can be stored in memory for DAB or FM. To store a station follow the below steps.

1 Press and hold the **INFO/MENU** button until you see the display flash.

2 Use the **T+ / T-** buttons to cycle through the menu options until you see "STORE" when displayed press the **SELECT** button to activate the preset store function.

3 The display will flash "P1" on the bottom right hand side to indicate slot one of ten storage locations. Select from 1-10 preset locations using the **T+ / T-** buttons to cycle through 1-10.

4 Press the **SELECT** button to store the current station on the selected preset location.



Recalling The Preset Memory

To recall a preset station follow the below steps.

1 Press and hold the **INFO/MENU** button until you see the display flash.

2 Use the **T+ / T-** buttons to cycle through the menu options until you see "RECALL" when displayed press the **SELECT** button to activate the preset recall function.

3 The display will flash "P1" on the bottom right hand side to indicate slot one of ten storage locations. Select from 1-10 preset locations using the **T+ / T-** buttons to cycle through 1-10.

NOTE: You can only recall stations from presets that have been stored already.

4 Press the **SELECT** button to recall the station from the selected preset location.

Finding New Stations

From time to time new radio stations may become available. Or you wish to use the unit in a different location. In this case you will need to perform a manual scan to update the station list.

DAB OPERATION

1 With the radio on and in DAB mode press and hold the **INFO/MENU** button until you see the display flash.

2 Use the **T+ / T-** buttons to cycle through the menu options until you see "AUTOSCAN" when displayed press the **SELECT** button to activate the scan function.

3 You will see "SCANNING" appear on the display for a second followed by arrows indicating the scan progress.



4 Once complete any new stations will be added to the list and any stations no longer available will be removed.

Manual Tuning

As well as auto tune, you can manually tune the receiver. This can help you when aligning the

aerial or when adding stations that were missed while auto tuning.

1 With the radio on and in DAB mode press and hold the **INFO/MENU** button until you see the display flash.

2 Use the **T+ / T-** buttons to cycle through the menu options until you see "MANUAL" when displayed press the **SELECT** button to activate the manual tune function.

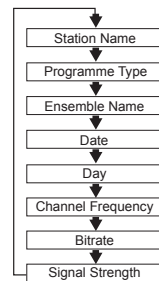
3 Use the **T+ / T-** buttons to select a DAB channel. Press the **SELECT** button to activate the selected frequency. If a signal is found the display will show the signal strength of the found channel.

4 Press the **SELECT** button once more to return to the standard DAB tuning mode.

Display Modes

Press the **INFO/MENU** button, and the bottom section of the display will show a sub text menu with various information about the current station. Every press of the **INFO/MENU** button changes the information displayed.

This can be better explained in a diagram showing the order of sequence. **NOTE:** once you reach the last info setting the next press will return you to the first setting.



Station Name Displays the name of the current station.

DAB OPERATION

Program type This describes the “Style” or “genre” of music that is being broadcast e.g. “Rock” or “Classical”.

Multiplex (Group name) A multiplex/ensemble is a collection of radio stations that are bundled and transmitted on one frequency. There are national and local multiplexes. Local ones contain stations that are specific to that area e.g. MXR West.

NOTE: DAB – unlike normal radio, groups together several radio stations and transmits them on one frequency.

Date & Day
The time & date is set automatically from the DAB broadcast or can be set manually.

Channel Frequency Displays frequency and channel number for the current station.

Bitrate Displays the audio bit rate for the current station.

Signal Strength Displays the signal strength for the current station.

NOTE: only station name will remain on screen the other options will time out.

Secondary Services
Some radio stations operate a secondary service. Which means a second temporary broadcast can be output.

1 If you see a “>” symbol at the end of the station info / description then a secondary service is available.



2 Press the **SELECT** button to activate the service.

3 You will notice that once tuned to the secondary service the “>” symbol now appears in front of the info / description. Press the **SELECT** button again to resume the original broadcast.

ALARM OPERATION

Reviewing the Alarm Settings
Follow the below procedure to check the settings for ALARM 1 & 2.

- 1 Press the **ALARM** button (12) the display will show “**ALARM 1**”, press either of the **T+ / T-** buttons to cycle between **ALARM 1** or **2**.
- 2 After selecting **ALARM 1** or **2** press the **SELECT** button.
- 3 Continue to press the **SELECT** button to review the settings
- 4 Should you wish to alter any settings use the **T+ / T-** buttons & the **SELECT** button to store.

Cancelling the Alarm
To cancel the alarm while sounding press the **ALARM** button (12).



- 1 Ensure the unit is on.
- 2 Press the **SNOOZE/SLEEP** button (1) to initiate the snooze setting menu.

FM OPERATION

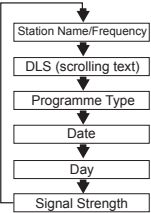
- 1 To switch from any mode to **FM** press and hold the **INFO/MENU** button until you see the display flash.
- 2 Use the **T+ / T-** buttons to cycle through the menu options until you see “**TO FM**” when displayed press the **SELECT** button to activate.
- 3 The first time the radio is used or after a factory reset (see page 9), the default frequency will be **87.5** (lowest frequency). To find a radio station you can either press the **T+ / T-** buttons quickly to scan up or down the range in **0.05 MHz** increments or press and hold either button for at least a second. This will scan up or down the frequency range until a strong signal is found.
- 4 Any station found will begin to play automatically and RDS data (if the signal is strong enough will scroll along the bottom of the display).
- 5 Adjust the volume level to the required setting.

NOTE: only station name will remain on screen the other options will time out.

FM OPERATION

Display Modes
Press the **INFO/MENU** button, and the bottom section of the display will show a sub text menu with various information about the current station. Every press of the **INFO/MENU** button changes the information displayed.

This can be better explained in a diagram showing the order of sequence. **NOTE:** once you reach the last info setting the next press will return you to the first setting.



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.

Program type This describes the “Style” or “genre” of music that is being broadcast e.g. “Rock” or “Classical”.

Date & Day
The time & date is set automatically from the broadcast or can be set manually.

Signal Strength Displays the signal strength for the current station.

Station Name, DLS and Programme Type will be provided by broadcast.

SOFTWARE VERSION

If at any time you need to review the software revision number follow the below steps.

- 1 Press and hold the **INFO/MENU** button until you see the display flash.
- 2 Use the **T+ / T-** buttons to cycle through the menu options until you see “**VERSION**” when displayed press the **SELECT** button to display the details.



CARE & MAINTENANCE

AFTER USING YOUR RADIO
• Set to Standby.
• Switch the unit off at the mains and unplug it if you are leaving it unattended for a long period (holidays etc).

CARE AND CLEANING
All care and cleaning operations should be carried out with the unit unplugged from the mains power.
Occasionally wipe the cabinet with a lint free duster. Never clean the unit with liquids or solvents.

ALARM OPERATION

Setting the Alarm
The clock radio has two alarm settings.

1 Press the **ALARM** button (12) the display will show “**ALARM 1**”, press either of the **T+ / T-** buttons to cycle between **ALARM 1** or **2**.



2 After selecting **ALARM 1** or **2** press the **SELECT** button and immediately afterwards press either of the **T+ / T-** buttons to cycle between **ON** or **OFF** for that alarm. Select **ON** and press the **SELECT** button once more to begin programming the alarm.

3 First you will need to set the time for the alarm. Use the **T+ / T-** buttons to set the hour (24 hour format), press the **SELECT** button to proceed to setting the minutes using the same process as above to set the minutes. Press the **SELECT** button to set the **On Time** and proceed.



4 Press the **T+ / T-** buttons to cycle through the alarm repeat options: **ONCE, DAILY, WEEKDAYS & WEEKENDS**. Press the **SELECT** button to proceed to the next step.

5 If “**ONCE**” was selected in the previous step you will need to complete 2 more stages editing the **Year, Month & Day** in the same manner as the hours & minutes. Once complete press the **SELECT** button.

6 The next step is to select the alarm type. Use the **T+ / T-** buttons to cycle between **BUZZER, DAB** or **FM**. Press the **SELECT** button to proceed.

7 The last setting is the alarm volume setting. Use the **T+ / T-** buttons to set the volume and then press the **SELECT** button to save the alarm.
NOTE: Ensure the alarm volume is high enough that you will hear the alarm.

8 You will now see an alarm icon appear on the display stating **ALARM 1** or **2**.



9 To cancel an alarm setting press the **ALARM** button, use the **T+ / T-** buttons to select **ALARM 1** or **2** and press the **SELECT** button to enter the options. Here you can use the **T+ / T-** buttons to select **ON** or **OFF**.
10 Once you have selected the **ON/OFF** mode press the **SELECT** button to store the setting.

NOTE: When the alarm is set to DAB or FM the last station listened to will be the station played during the alarm.
NOTE 2: Should you need to step back to the previous settings you can press the **ALARM** button (12) repeatedly until you reach the setting required.