

DAB+ Digital Clock Radio


BCR35DABRED

Instruction Manual

BUSH



Quick Start Information:

1. Plug the Digital Radio into the power point using the DC power supply unit provided.
2. Press  on the unit.
3. Wait for the Digital Radio stations to be populated.
4. Press Mode button to use other functions.
5. Enjoy your Digital Radio.

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For any warranty enquiries please call: 1300 055 518

Introduction

Thank you for buying this **BUSH** product, which is designed to give you many years of trouble-free service.

You may already be familiar with using a similar unit, but please take time to read these instructions. They are designed to familiarise you with the unit's many features and to ensure you get the very best from your purchase.

Safety is important

Your safety and the safety of others is important.

Please therefore, ensure you read the "Safety Instructions" **before** you operate this unit.

Warranty

In the unlikely event that your product fails to work normally, please call the below free phone number to discuss the problem with one of our qualified service engineers.

Bush Warranty: 1300 055 518

Safety Instructions

Ensure that you read all of the safety instructions before using this unit.

Safety Considerations

- Position the power cable and other connected cables so that they are not likely to be walked on, pinched or where items can be placed on or against them.
- Do not use the unit in humid or damp conditions.
- Do not allow the unit to get wet.
- Never allow children to insert foreign objects into holes or slots on the unit.
- The ventilation should not be impeded by covering the openings with items such as newspapers, tablecloths, curtains, etc. This may cause overheating.
- No naked flame sources, such as lit candles, should be placed on the unit.
- Do not expose the unit to dripping or splashing, and no objects filled with liquids, such as vases, should be placed on the apparatus.
- Do not place the unit in closed bookcases or racks without proper ventilation.

Cleaning

- Disconnect the unit from the mains supply before cleaning.
- Do not use any liquids or aerosol cleaners, as this may damage the unit. Use a soft, dust free cloth.

Servicing

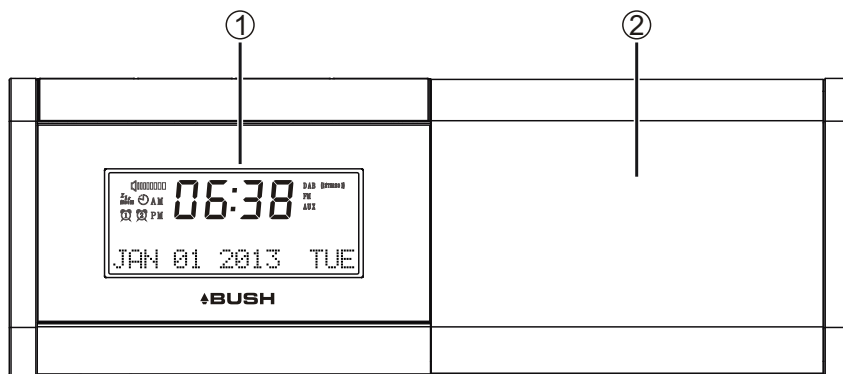
- There are no user serviceable parts in the unit. When servicing, refer to qualified service personnel.
- Consult your dealer if you are ever in doubt about the installation / operation / safety of the product.

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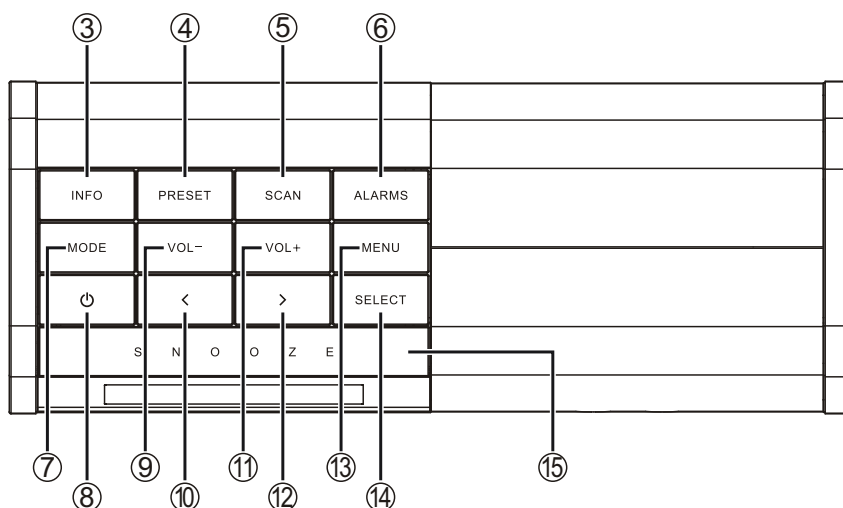
Location Controls

FRONT VIEW



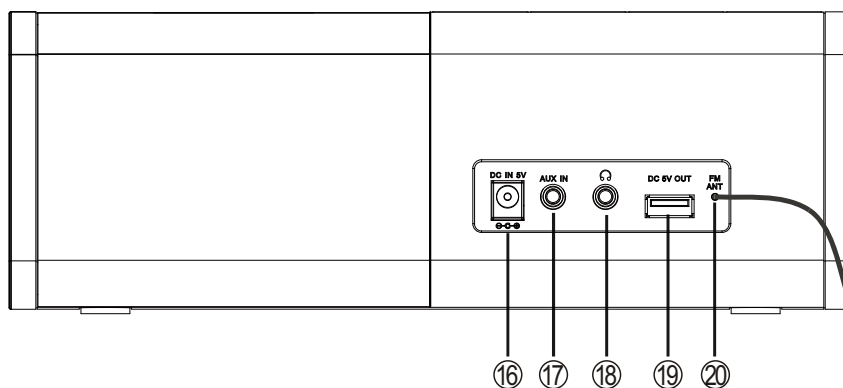
- 1. DISPLAY
- 2. SPEAKER

TOP VIEW



- 3. INFO
- 4. PRESET
- 5. SCAN
- 6. ALARMS
- 7. MODE
- 8. POWER ON/OFF
- 9. VOL-
- 10. < BUTTON
- 11. VOL+
- 12. > BUTTON
- 13. MENU
- 14. SELECT
- 15. SNOOZE

BACK VIEW



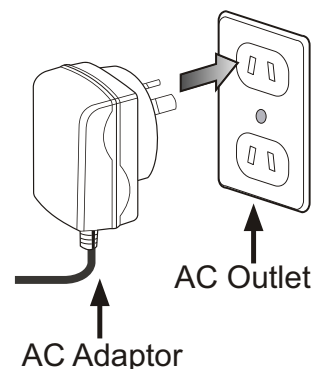
- 16. DC POWER INPUT
- 17. AUXILIARY INPUT
- 18. HEADPHONE OUT
- 19. DC 5V OUT
- 20. ANTENNA

Preparation For Use

Power Source

This unit is supplied with an AC adaptor; follow these steps to connect the Power Source.

1. Unwind the power cord of the AC adaptor to its full length.
2. Connect the small end of the AC adaptor to the DC socket on the left side of the unit.
3. Then plug the AC adaptor into the AC outlet (AC100-240V~, 50/60 Hz). Connecting this system to any other power source may cause damage to the system. For sufficient ventilation, keep other objects at least 10cm away from the unit.
4. To switch the unit off completely, turn the power off at the wall outlet and unplug the ac adaptor.



DON'T FORGET!

1. Do not touch the AC adaptor with wet hands.
2. Once connected to the power supply, the unit will switch directly to DAB+ mode.
3. Please disconnect the AC adaptor from the power supply if the appliance is not going to be used for a long period time.

Using for Main Operation

Switching On

- Press the "⏻" button to power on the unit.
- Press the "⏻" button again to switch to standby mode.

Adjusting the Volume

1. To increase the volume, press the **VOL+** button.
2. To decrease the volume, press the **VOL-** button.

Adjusting the Antenna

The antenna should be extended to ensure good reception in both **FM** and **DAB+** modes. It may be necessary to alter the position of the unit and/or antenna to achieve the best signal.

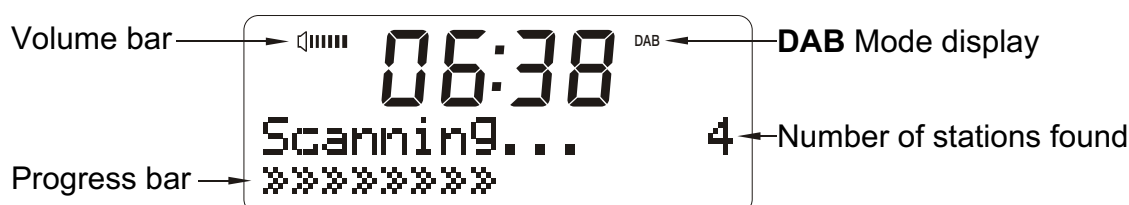
DON'T FORGET!

Make sure the antenna is at full length for good reception.

DAB+ Operation

Listening to DAB+ Radio

1. Press the "⏻" button to turn the unit on.
2. Press the **MODE** button to select the **DAB** mode.
3. Press the **SCAN** button, the following screen will be displayed. A bar graph indicating the progress of the DAB+ station search. The number of stations found increases as the scan progresses.



DON'T FORGET!

To improve reception, try adjusting the position of the antenna.

Changing DAB+ Stations

1. Press the "<" & ">" buttons to scroll through the stations in the station list.
3. The radio will tune to the new station.

DON'T FORGET!

If no new station is selected the unit will display the currently playing station after 5 seconds.

From time to time new **DAB+** stations may be added to the **DAB+** station list. If you wish to see if any new stations have been added, press the **SCAN** button to activate a full scan.

Storing DAB+ Presets

1. You can preset up to 10 **DAB+** stations for easy access as follows:
2. Press the "<" & ">" buttons to scroll through the stations in the station list.
3. Press the **SELECT** button to confirm to the station you wish to preset.
4. Press and hold the **PRESET** button, preset position 1 will show in the display.
5. Press the "<" & ">" buttons to select the required preset memory position.
6. Press the **SELECT** button to confirm.
7. Repeat steps 2-6 to store more preset stations.

DAB+ Operation

Selecting a Preset Station

1. Press the **PRESET** button briefly, preset position 1 will show in the display.
2. Use " < " & " > " buttons to select the desired preset and press the **SELECT** button to confirm.

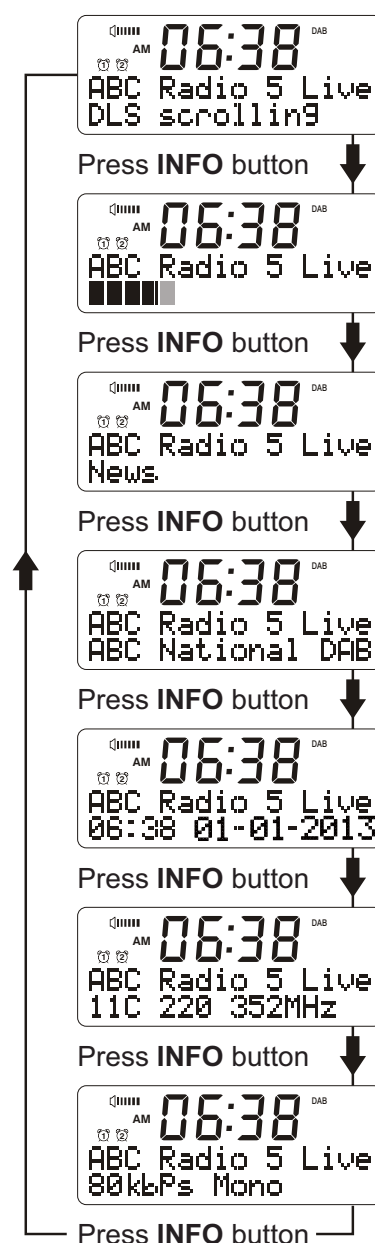
DON'T FORGET!

If you select a preset location that has not been programmed with a station, "Not set" will be displayed. The unit will return to the previously selected station after a few seconds.

Changing the DAB+ Station Information

It is possible to change the information displayed on the second line of the display when listening to a **DAB+** station. There are seven types of information available as listed below with examples to the right.

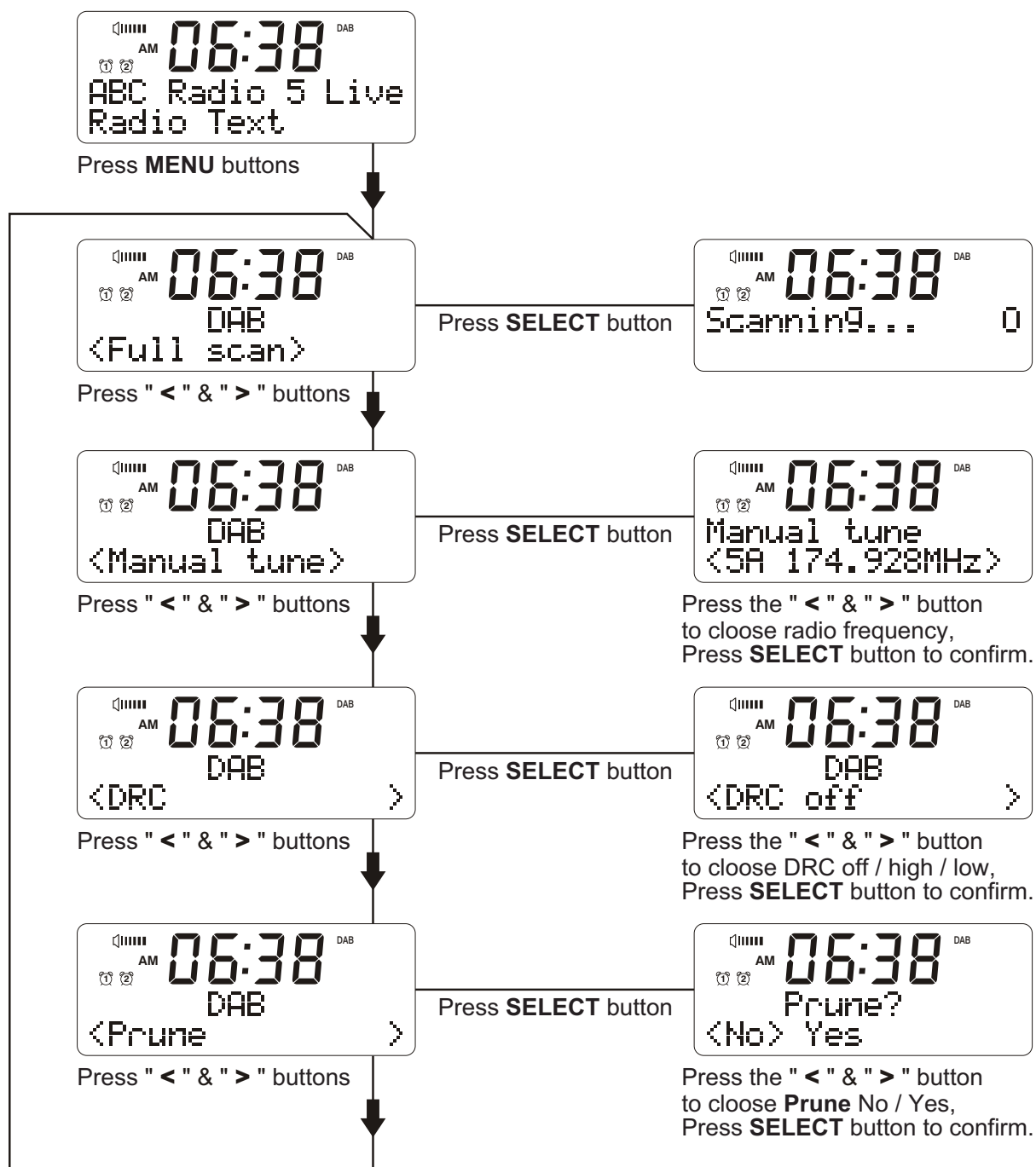
1. **Dynamic Label Segment (DLS)** This is scrolling text information supplied by the **DAB+** station. It may comprise information on music titles or details of the programme and is provided by the broadcaster.
2. **Signal Bar** Shows the transmission signal level.
3. **Program Type (PTY)** This is a description of the type of programme provided by the **DAB+** station and is provided by the broadcaster.
4. **Multiplex Name** This will show the multiplex that is broadcasting the programme you are listening.
5. **Time/ Date** This displays the time and date provided by the broadcaster.
6. **Channel and Frequency** This displays the channel number and the transmission frequency.
7. **Signal Information** This shows the digital bit-rate and the signal mode.



DAB+ Operation

Using the MENU Control (DAB+ mode)

The **MENU** control allows you to change some of the system options on your unit. These options are arranged in a menu structure as shown below.



DAB+ Operation

Using the Menu

Press the **MENU** button to enter the menu. Press the "<" & ">" buttons to scroll through the options described below.

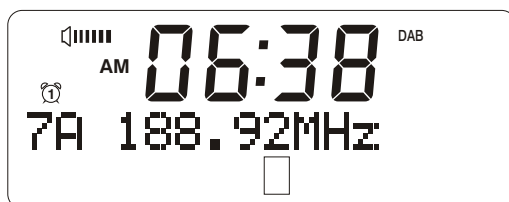
Full Scan

1. Press the **MENU** button to access the menu.
2. Press the "<" & ">" buttons until "**Full scan**" is displayed.
3. Press the **SELECT** button to activate a full scan for **DAB+** stations.

Manual Tune

It is possible to manually tune to a specific channel/frequency and add this to the station list. This function can be used to obtain the optimum reception for a specific channel/frequency.

1. Press the **MENU** button to access the menu.
2. Press the "<" & ">" buttons until "**Manual tune**" is displayed. Press the **SELECT** button to select.
3. Press the "<" & ">" buttons to select the desired channel/frequency.
4. Press the **SELECT** button, a rectangle will be displayed on the second line of the display. The position of this rectangle indicates the signal strength (the further towards the right, the greater the signal strength).



5. Adjust the position of the wire antenna to obtain the optimum signal strength.
6. Press the **SELECT** button to confirm.

DAB+ Display Modes

Dynamic Range Control (DRC)

DRC adds or removes a degree of compression to compensate for the differences in the dynamic range between radio stations. For example, a station broadcasting popular music may have a high level of compression applied since the emphasis is on a constant high listening level. Whereas a station broadcasting classical music will have little or no compression as the listener requires all of the highs and lows in the music to define the detail.

There are three levels of compression:

- **DRC off** = No compression applied
- **DRC high** = Maximum compression applied
- **DRC low** = Low compression applied

The best way to determine which of these settings suits you best is to experiment with them on a variety of source material.

1. Press the **MENU** button to access the menu.
2. Press the "**<**" & "**>**" buttons until "**DRC**" is displayed.
3. Press the **SELECT** button to select.
4. Press the "**<**" & "**>**" button to select between the three **DRC** values.

The available options appear on line 2 of the display. When the required **DRC** value is displayed, press the **SELECT** button to confirm.

You should be able to hear the difference in compression immediately.

Station Prune

The Station Prune function allows you to remove stations from the station list that are not active or cannot be received. These stations usually appear in the display with a "?".

1. Press the **MENU** button to access the menu.
2. Press the "**<**" & "**>**" buttons until "Prune" is displayed.
3. Press the **SELECT** button to select.
4. Press the "**<**" & "**>**" buttons to highlight either No or Yes.
5. Press the **SELECT** button. If you have chosen to prune the station list, the unwanted stations will be deleted.

FM Operation

Using the FM Radio

- 1) Press the "⏻" button to turn the unit on.
- 2) Press the **MODE** button to select **FM** mode.

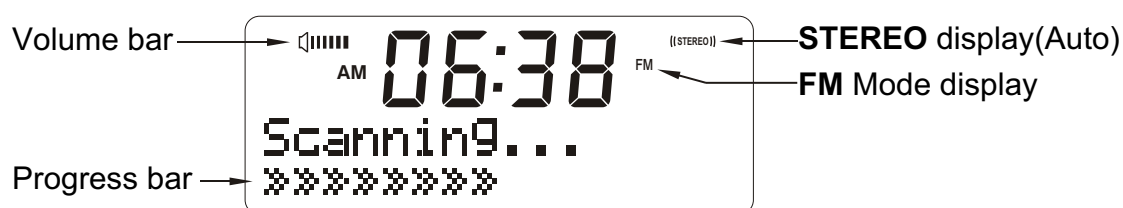
DON'T FORGET!

You may hear background noise as no station has been tuned in. The display will show the frequency of the **FM** station.

Automatic Tuning

Press the **SCAN** button or hold the "<" & ">" buttons to automatically search for the next available station.

If the reception is poor, try Manual Tuning (see Manual Tuning below) to fine-tune the station.



DON'T FORGET!

If the reception does not improve, try altering the position of the antenna.
If the reception is still poor, scan again to determine whether a stronger signal exists for the desired frequency.

Manual Tuning

Press the "<" & ">" buttons briefly to manually tune through the frequency band. The frequency will increase or decrease in steps of 0.05 MHz for each press the "<" & ">" buttons.

Stereo / Mono Select (FM mode)

Press the **SELECT** button to change the station **STEREO** (Auto) or **MONO** option.

Storing FM Presets

You can preset up to 10 **FM** stations for easy access. The procedure for storing and recalling FM presets is the same as when using DAB mode and is described on page 7.

FM Operation

Changing the FM Station Information

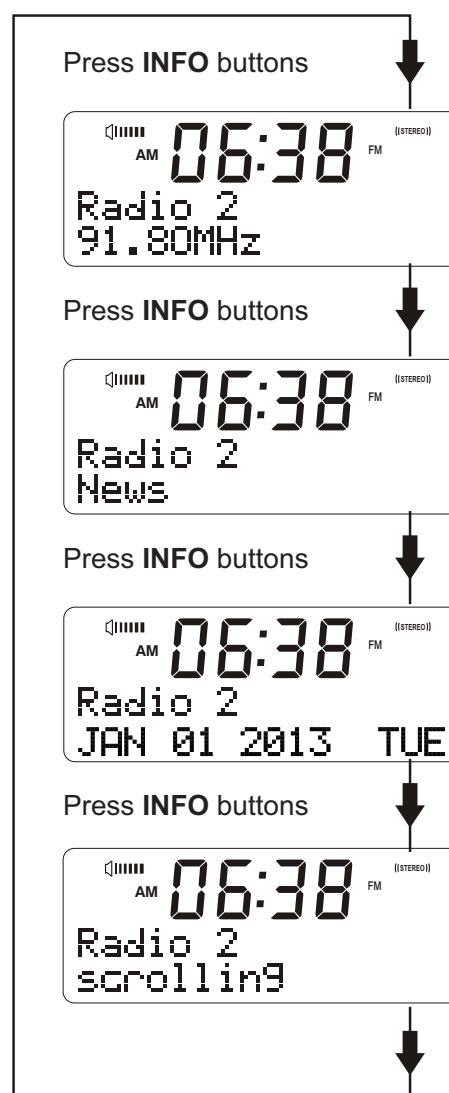
It is possible to change the information that is displayed on the second line of the display when listening to an **FM** station. There are four types of information available as listed below with examples to the right.

Station Name This is information of the station name / frequency of the current **FM** station.

Program Type (PTY) This is a description of the type of programme provided by the **FM** station and is provided by the broadcaster.

Time / Date This displays the time and the date provided by the broadcaster.

Radio Text This is scrolling text information supplied by the **FM** station. It may comprise information on music titles or details of the programme and is provided by the broadcaster.



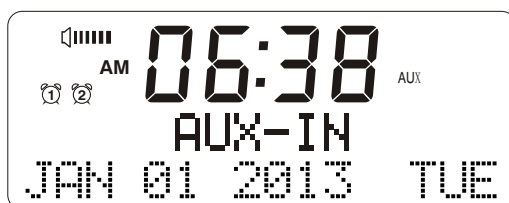
Auxiliary Input

AUX In Connection

Connect a 3.5mm stereo audio lead (not included) to the **AUX-IN** socket on the unit and the other end to an auxiliary device such as an MP3 player.

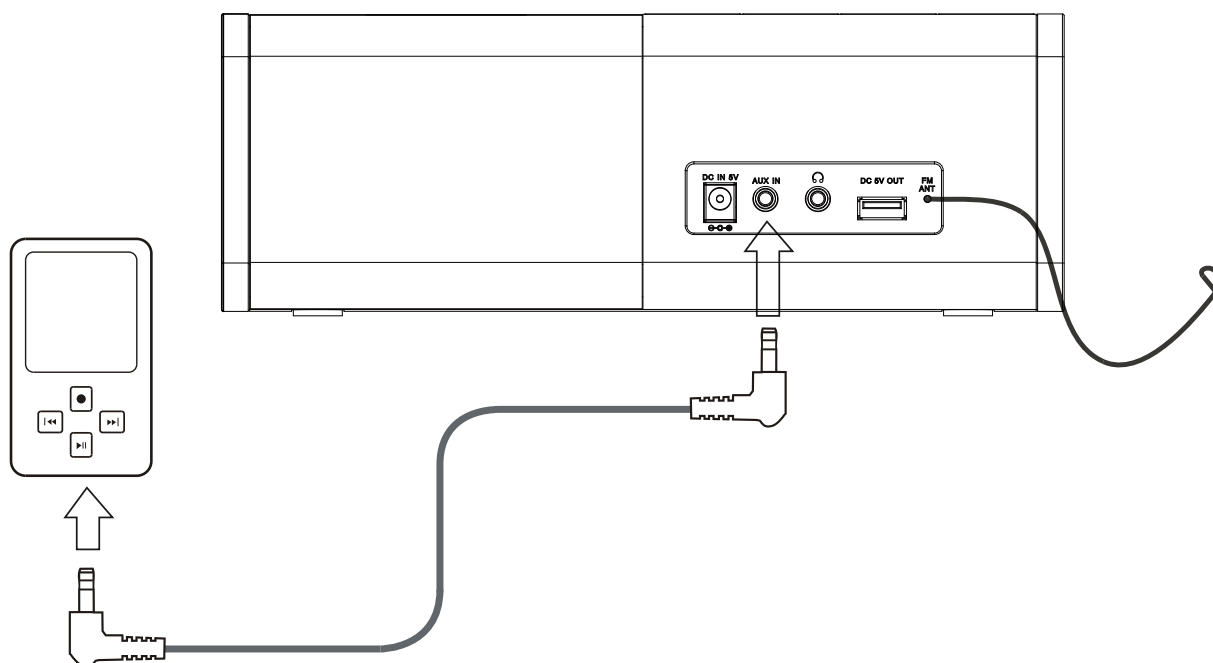
Press the "⏻" button to turn on the unit.

Press the **MODE** button to select **AUX** mode. The display will show "**AUX**".



The unit is now set up to play your auxiliary device.

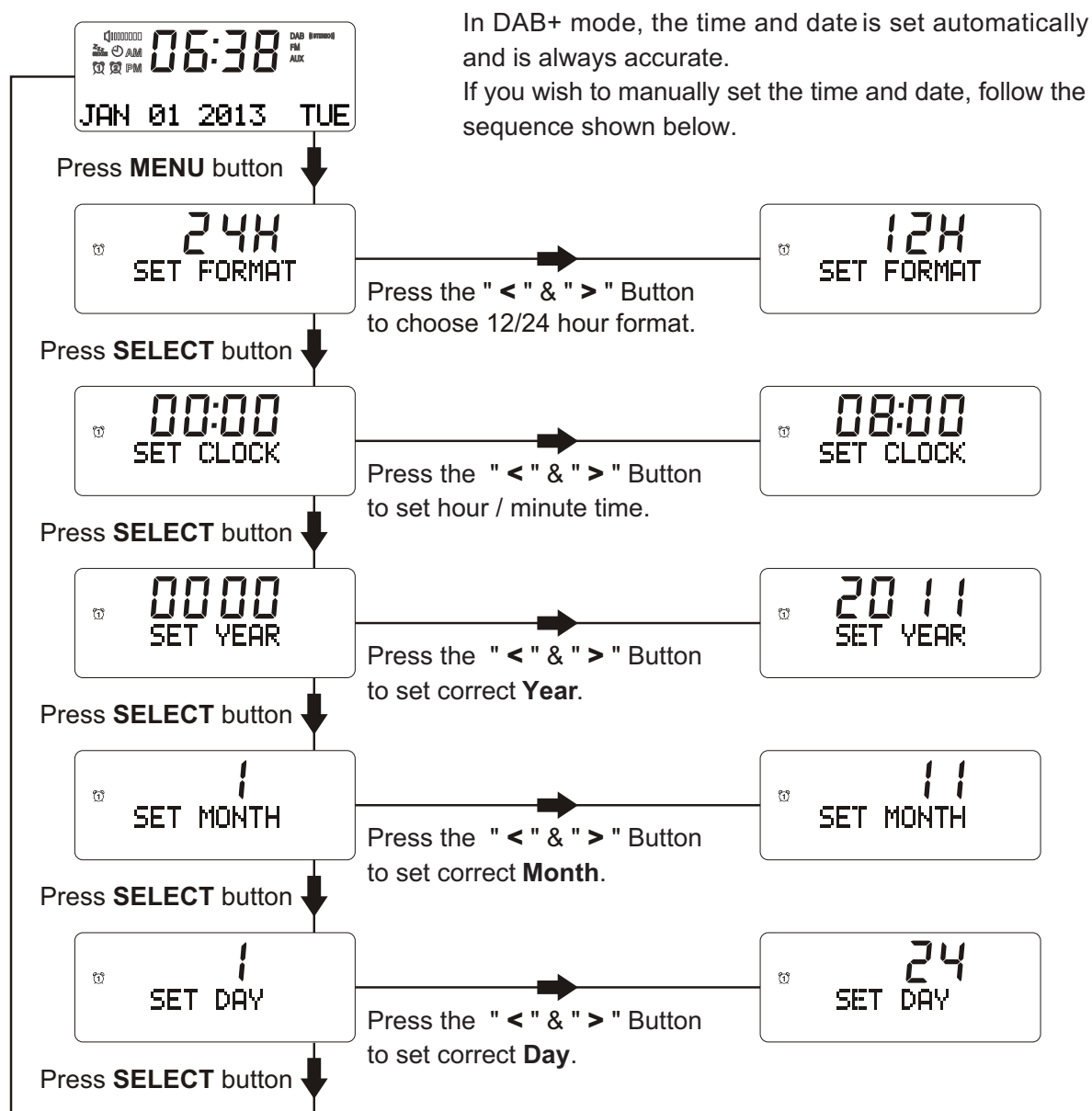
Adjust the volume level by pressing the **VOLUME** buttons on the unit.



System Setting

Using the MENU Control (STANDBY mode)

The **MENU** control allows you to change some of the system options on your unit. These options are arranged in a menu structure as shown below.



Factory Reset

This setting will restore the factory default settings of the unit.

1. Press and hold the **MENU** button, "Press SELECT key to Reset" will show in the display.
2. Press the **SELECT** button to select Reset.

Alarm Time Setting

Setting the Alarm

There are 2 alarms available which allow you to wake to **DAB/ FM / BUZZER mode**.

1. Press the "⏻" button to turn the unit to standby mode.
2. Press the **ALARMS** button to select alarm1 or alarm2 setting mode.
3. Press the **SELECT** button to enter the alarm setting mode.
4. Use the "<" & ">" buttons to adjust the alarm **HOURS** and press the **SELECT** button to confirm.
5. Use the "<" & ">" buttons to adjust the alarm **MINUTES** and press the **SELECT** button to confirm.
6. Use the "<" & ">" buttons to select the wake up source. Press the **SELECT** button to confirm.
7. The alarm will now be active and the alarm icon will show in the display.
8. The alarm will automatically turn off after one hour if no buttons are pressed.

Turning the alarm ON or OFF

In standby mode, press the **ALARMS** button to select alarm 1 or alarm 2. Press and hold the **ALARMS** button to activate the alarm and press and hold the button again to deactivate the alarm.

DON'T FORGET!

- Make sure the volume is set as desired before setting the alarm.
- If you wish to be woken up by radio, ensure that a radio station is tuned.

Turning off the alarm

When an alarm sounds, press the "⏻" button once to turn off the alarm.

The alarm will be repeated each day at the set time until it is deactivated.

Snooze Function

Snooze Function

When the alarm sounds, pressing the **SNOOZE** button will temporarily silence the alarm for 10 minutes.

Backlight Dimmer

Press the **SNOOZE** button to select the backlight dimmer level. There are 10 levels of dimmer settings.

Sleep Function

Sleep Function

Whilst listening to the unit, press and hold the **INFO** button until the sleep time shows on the display. The unit will continue to play the music for 90 minutes before automatically switching off.

Change the SLEEP Time

1. During operation, press and hold the **INFO** button until the sleep time shows on the display.
2. Use the "**<**" & "**>**" buttons to select 90, 60, 30 or 15 minutes sleep time, or OFF.

Troubleshooting / Technical Specification

PROBLEM	POSSIBLE	REMEDY
No sound	Volume may not be adjusted. 🔊 (Headphone Out) are connected. Power is not correctly connected.	Increase the Volume level. Disconnect your headphones if connected. Check and connect the power properly.
The radio does not operate when you press any buttons	Electrostatic discharge	Turn off the unit, disconnect the main power, reconnect after a 60 seconds
Radio poor reception	Weak radio signal. Interference from other electrical items.	Ensure the wire antenna is fully extended. Adjust the position of the antenna. Move the radio away from sources of interference.

Technical Specification

Power Consumption.....	2W
Supply Voltage/Battery.....	5V $\overline{\text{---}}$, 2A
DAB+.....	BAND III 174 -240 MHz
FM.....	87.5-108 MHz
Headphone Out	3.5mm Stereo Jack

Warranty

Please keep your receipt as proof of purchase. This product is warranted for any defect in materials or workmanship for one year after the original date of purchase. This product is for normal domestic and office use only. This warranty does not cover damage from misuse or neglect, accidental damage, vermin infestation, excessive voltages such as lightning or power surges or any alternation that affects the performance or reliability of the product.

In the unlikely event that your product fails to work normally, please contact the **Bush Warranty on 1300 055 518** and have your receipt of purchase on hand.

This warranty is subject to the following provisions:

- It is only valid within boundaries of the country of purchase
- The product must be correctly assembled and operated in accordance with the instructions contained in the manual
- This product must be used solely for domestic purposes
- The warranty does not cover accidental damage
- The warranty will be rendered invalid if the product is resold or has been damaged by inexpert repair
- The manufacturer disclaims any liability for incidental or consequential damaged

This warranty is in addition to, and does not diminish, your statutory or legal rights.

**PO BOX 6287
Silverwater NSW 1811**

Bush Warranty: 1300 055 518

www.bushaustralia.com.au



YOUR WARRANTY

For any Warranty Enquires, please call:

1300 055 518

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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