▲BUSH

DAB+ DIGITAL RADIO

BR25DAB

USER MANUAL

▲BUSH

For more information and support visit:

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.

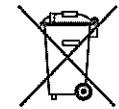Page 2: Content page

Page no may vary to different contents

Contents

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

Important Safety Information

● This safety and operating instruction manual should be retained for future reference.

● The radio should not be exposed to damp or wet environments.

● Avoid installing the unit in locations described below:

  o Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters.

  o On top of other electrical equipment that have too much heat radiation.

  o Poor ventilation or dusty places.

  o Places subject to constant vibration.

  o Humid or moist environments.

● No inflammable materials such as candles should be placed on or near the radio.

● Operate the radio as instructed in the manual.

● Discard used batteries in environmental friendly manner. Before turning on the power for the first time, make sure the power cord is properly installed.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT
REMOVE COBER (OR BACK), NO USER SERVICEABLE PARTS INSIDE,
PLEASE DELIVER THE PRODUCT TO OUR SERVICE CENTRE
FOR ANY REPAIR SERVICE.

Packing List

1. DAB /FM Digital Radio x 1 PC
2. DC Power supply adapter x 1 PC
3. Instruction manual x 1 PC

Specifications

ITEMS	SPECIFICATIONS
Description	DAB / FM Digital Radio
Audio Output:	0.5Wrms
Frequency Ranges:	FM: 87.5-108MHz; DAB+: 174-240MHz
LCD Display:	High resolution display
Power Supply:	DC Power Input: 4 x 1.5v AA size Battery * USB Power Input: DC 5V / 500mA * AC adapter Power Input: 100-240V, 50-60Hz (please use our provided adapter)
Dimension:	185mm x 110mm x 57mm

*batteries sold separately.

1. Power button
2. DAB/FM button
3. Info/Menu
4. Preset
5. – Channel +
6. Select
7. – Volume +
8. LCD Display
9. 3.5mm earphone jack
10. Battery Door

Changing the batteries

1. Your product requires 4 x AA batteries (not provided) for portable operation.
2. Batteries should be removed and replaced by adults only.
3. Only use recommended batteries or those of the same or equivalent type.
4. Do not mix old and new batteries or batteries of different types.
5. Batteries are to be inserted with the correct polarity.
6. The supply terminals are not to be short-circuited.
7. Remove exhausted batteries from item.
8. Remove batteries if equipment is not used for extended periods of time.
9. Rechargeable batteries are to be removed from the item before being recharged.
10. Rechargeable batteries are only to be charged under adult supervision.
11. Do not attempt to recharge non-rechargeable batteries.
12. Batteries contain substances that may be harmful to the environment and human health.
13. 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.

Using your DAB/FM radio

1. Turn on the unit
Press and hold the "Power" to turn on, press once the "Power" to enter "Standby" mode. On first use the BR25DAB will automatically search for all local DAB+ stations. Please refer to section 3.1.2 to scan all available FM stations.

1.1 Turn on the unit in while using batteries.
In battery mode you MUST hold down the power button for 3 seconds for the unit to turn on.

2. Switch between DAB and FM mode
Press the DAB/FM button repeatedly to select DAB or FM mode.

3. Basic Operation

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

3.1.1 Reset and scan DAB station

When this is the first time you use, or if the station list is empty, the radio automatically performs a full scan to see what stations are available. You may also need to start a scan manually to update the list of stations for one of the following reasons:
    o New stations may become available from time to time.
    o Stations close or can no longer be received (In the station list, invalid stations are indicated with a question mark in front of their name).
    o 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.
    o 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.

To do a full scan manually
In DAB mode, press and hold the "Info/Menu" button to enter the menu, select "Full scan" to scanning. Once a scan is complete, the radio returns to playing the previously-selected station or first station on the station list.

3.1.2 Select stations
In DAB mode, press the "- Channel +" button to scroll through the list of stations, when you stop at your preferred station it will tune automatically within a second.

3.1.3 Adjust volume
Press the "- Volume +" button to increase or decrease volume respectively.

3.2 FM radio mode

FM radio mode receives analogue radio from the FM band and displays RDS (Radio Data System) information about the station and show (where broadcast).

While FM radio is playing, the screen shows its frequency, or if RDS information is available, station name and any further 'RadioText' information. . If no information is available, just the frequency and a *No RadioText* message is shown.

3.2.1 Scan FM station

The first time you select FM radio, it is set to the lowest frequency in the FM band.

In FM mode, press and hold the "- Channel +" button to scan through the FM frequencies. A scan stops when a station found. It can be set to stop at each station or only at stations with a strong signal (for details see Scan settings in section *4.2.1 Settings*).

3.2.2 Select stations

In FM mode, you can also tune the station manually. Press the "- Channel +" button to adjust the FM frequencies with 50 kHz up or down respectively.

3.2.3 Adjust volume

Press the "- Volume +" button to increase or decrease volume respectively.

4. Advance settings

The Advance settings allow you to tailor the DAB/FM radio with a variety of options to suit you. To access Advance settings from any mode, press and hold the "Info/Menu" button to enter the menu. To Exit the advanced settings press and hold the "info/Menu" button once again.

4.1 DAB radio mode

Under the advance setting, Press the "- Channel +" button to select through the list of menu, stop at your preferred option, it will be enter or start the function automatically within a second. The advance setting menu options are:

o   Full scan
o   Manual tune
o   DRC
o   Prune
o   System

4.1.1   Full scan

Under advance setting, turn the "- Channel +" button to select Full scan through the list of menu and press 'Select' button to confirm, full scan starts automatically after 3 seconds. Once a scan is complete, the radio returns to playing the previously-selected station or first station on the station list.

Note: if no radio station found, it shows **No DAB Station.** For a better reception, extend the antenna or do the full scan again in another place.

4.1.2   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 setting, press the "- Channel +" button to select Manual tune through the list of menu, it enters the setting automatically after 3 seconds. Then press the "- Channel +" button to select a particular channel/frequency and press 'Select" button to confirm.

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

4.1.3   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)/low/high

Under advance setting, press the "- Channel +" button to select DRC through the list of menu, it enters the setting automatically after 3 seconds. Then press the "- Channel +" button to select a particular setting and press 'Select" button to confirm, it will automatically change to new setting after 3 seconds.

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

4.1.4   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 setting, press the "- Channel +" button to select Prune through the list of menu, it enters the setting automatically after 3 seconds. Then press the "- Channel +" button to choose <YES> and press 'Select" button to confirm removing all invalid stations, it will automatically start the process after 3 seconds.

4.1.5   System

When in DAB+/FM mode the System menu options are:

o   Sleep
o   Time
o   Backlight
o   Language
o   Factory Reset
o   SW version

4.1.5.1 Sleep

In Sleep menu press the "- Channel +" button to select a particular options and press "Select" button to confirm.

Sleep option: Sleep Off | 15 | 30 |45 | 60 | 90

4.1.5.2 Time

➢ **Set time/date** – press the "- Channel +" button to select to adjust the time and press "Select" button to confirm.

➢ **Auto update** – press the "- Channel +" button to select the time update source <update from any>, <update from DAB>, <update from FM>, <No update>, then press "Select" button to confirm.

➢ **Set 12/24 hour** – press the "- Channel +" button to select <Set 12 hour> or <Set 24 hour> for time display, then press "Select" button to confirm.

➢ **Set date format** – press the "- Channel +" button to select <DD-MM-YYYY> or <MM-DD-YYYY> for date display format, then press "Select" button to confirm.

4.1.5.3 Backlight

This radio display has a backlight with adjustable timeout (this is the time delay, in seconds, after which the display switches off).

Timeout options - *On | 10 | 20 | 30 | 45 | 60 | 90 | 120 | 180*

In Backlight menu press the "- Channel +" button to select a particular options and press "Select" button to confirm.

4.1.5.4 Language

The language used for display messages can be selected from below options:
English | Français | Deutsch | Norsk | Nederland

In Language menu press the "- Channel +" button to select a particular options and press "Select" button to confirm

4.1.5.5 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.
If you select **Factory reset**, you are asked to confirm by selecting *Yes*.

Under advance setting, press the '- Channel +" button to select Factory reset through the list of menu, and press "Select" button to confirm *YES*.

4.1.5.6 SW version

This displays the current software version.

Cycle through the menu, press the '- Channel +" button to select SW version, and press "Select" button to confirm.

4.2 Info/Menu Button

Press the "Info/Menu" button repeatedly to display information about the station you are on.

4.3 FM radio mode

Under the advance setting, press the "Info/Menu" button to enter to menu. Select through the list of menu, and press "Select" button to confirm. The advance setting menu options are:
o Scan setting
o Audio setting
o System (please refer to 4.1.5)

4.3.1   Scan setting
By default, FM scans stop at any available station (**All stations**). This may result in poor quality audio from weak stations.
Options: All stations | Strong stations only

In Scan setting press the '- Channel +" button to select a particular option, and press "Select" button to confirm.

4.3.2   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 allowed | Forced mono

Press the '- Channel +" button to select a particular option in Audio setting, and press "Select" button to confirm.

4.3.3   System
Please refer to 4.1.5

4.3.4   Info

You can view further information under this menu, options include:

o   Radio Text

o   PTY (Programme Type)

o   PS (Programme Service)

o   Stereo & Mono

o   Time

o   Date

Press the "Info/Menu" button, select a particular option, it will automatically shows the information on LCD.

5. Store Presets

To store presets you need to select the station you would like to store using the "- Channel +" button and then hold down the "Preset" button for 1-2 seconds until "Preset Store" is shown on the display. You then use the "- Channel +" button to choose which preset number you would like to save the channel in between 1-10 and use the "Select" button to store the station in the desired preset location.

5.1 Recall Presets

To Recall presets press the "Preset" button and scroll through the saved presets by using the "- Channel +" button.   To select a preset station to listen to press the "Select" button.

6. Trouble shooting and error messages

6.1 Trouble Shooting

Problem	Cause	Solution
FM: Hiss DAB: burbling/intermittent cut-out	Low signal strength	Check/move antenna Move radio Rescan local (high-strength) stations only
DAB: 'No stations available' message	Low signal strength	As above then rescan stations.

6.2 Error messages

Message	Description
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