

105mm

INSTRUCTION MANUAL

DAB+ / FM RECEIVER



Warranty Line : 1300 055 518

ECLIPSE DIGITAL RADIO

 **BUSH**

148mm

Introduction and Contents

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, as 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 are 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

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Safety Instructions

General Safety Considerations

- 1) The nameplate artwork is located at the bottom or rear of the apparatus.
- 2) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.
- 3) The mains plug or adapter of the apparatus shall be disconnected from the mains, when completely disconnecting the unit.
- 4) Batteries shall not be exposed to excessive heat such as sunshine, fire or the like. Attention should be drawn to the environmental aspects of battery disposal.
- 5) Excessive sound pressure from earphones and headphones can cause hearing loss.
- 6) A minimum distance of 10cm around the apparatus is sufficient ventilation;
- 7) The ventilation should not be impeded by covering openings with items such as newspaper, table-cloths, curtain etc;
- 8) No naked flame sources such as lighted candles should be placed on the apparatus.
- 9) Only use the apparatus in moderate climates.
- 10) Please read these operating instructions before you attempt to use the DAB+ Receiver.
- 11) Please ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made in accordance with the manufacturer's instructions.
- 12) Switch off and remove the mains plug when making or changing any connections.
- 13) Please consult your dealer if you are ever in doubt about the installation, operation or safety of your DAB+ Receiver.
- 14) Don't continue to operate the DAB+ Radio if you are ever in doubt about it working normally, or if it is damaged in any way. Switch it off, withdraw the plug from the mains and consult your dealer.
- 15) Don't remove any fixed covers as this may expose you to dangerous voltages.
- 16) Don't leave the DAB+ Receiver switched ON when it is unattended for long periods of time, unless it is specifically stated that it is designed for unattended operation or has a standby mode.
- 17) Make sure that other people in your household are conversant with the DAB+ Receiver.
- 18) Under the influence of electrostatic phenomenon, the product may malfunction and require user to reset

Cleaning

1. Ensure that the mains supply is disconnected before the unit is cleaned.
2. Do not use any liquids or aerosol cleaners, as this may damage the unit.
3. The unit should be cleaned with a soft, damp cloth.

Electrical Information

Make sure that the voltage of your electricity supply is the same as that indicated on the rating plate of the power supply unit supplied with your product. It requires a compatible mains supply. Do not use any other supply.

Under the influence of electrostatic phenomenon, the product may malfunction and require the user to reset.

Your DAB+ Digital Radio

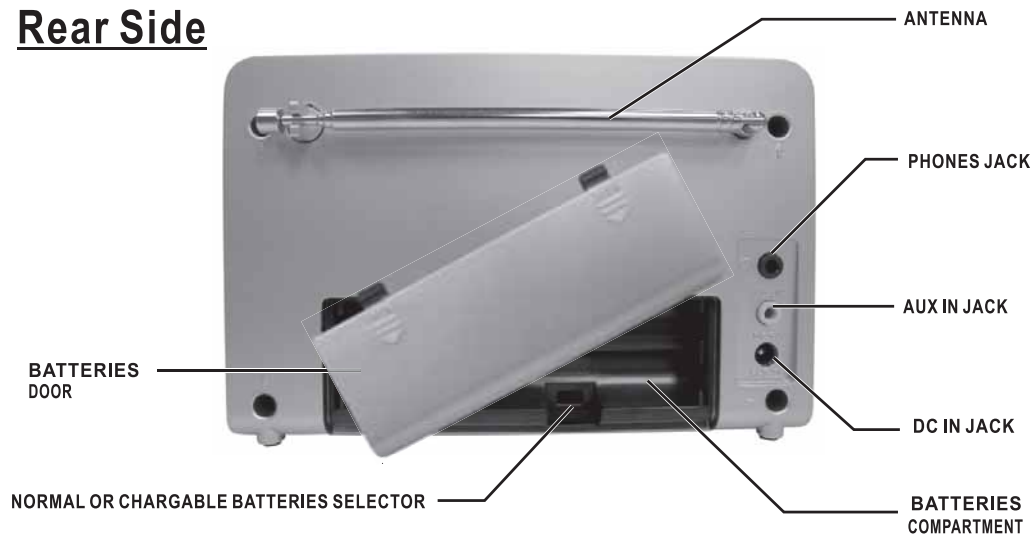
Top Side



Front Side



Rear Side



What is DAB+

DAB+ was developed in **Europe** by a consortium of broadcasters and manufacturers. **DAB+** uses digital compression techniques to transform the source material, i.e. music and speech, into better quality audio.

Interference free reception

Analogue systems suffer from an effect called “multipath distortion”. This is caused because waves do not behave in an orderly fashion, but bounce and reflect off buildings etc. **DAB+** sees this as an advantage and uses the direct and reflected signals to actually reinforce the end result, allowing for better service more of the time.

No need to re-tune

A single **DAB+** frequency can be used to cover the whole of the **Australia**, so solving many of the problems experienced with the earlier analogue system. **DAB+** scans automatically and tunes-in all of the available stations in your area.

Scrolling text

Broadcasters can transmit text to your radio. This way you can read the name of the DJ, artist, song title or any other information they choose.

DAB+ coverage

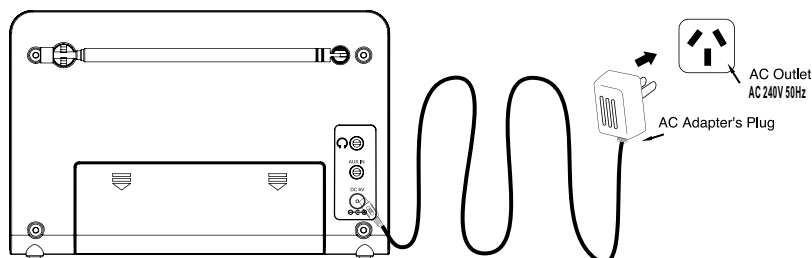
Check your local coverage at www.digitalradioplus.com.au, or alternatively text your postcode to 0409-DRPLUS (377587) to receive an SMS confirming whether you reside in a **DAB+** broadcast area.

Connecting AC Power

Connect the small end of adapter to main unit **DC IN** and insert the main plug of adapter into standard AC wall socket. Press the **STANDBY** button to power on the unit.

Warning!

- 1) The **DAB+ Receiver** is designed to operate from a mains supply of AC 240V~50Hz. If the plug of adapter not fit properly, turn it over and again. Do not force it.
- 2) When the **DAB+ Receiver** is not used for long periods of time, please turn off unit power and remove the adapter from the wall outlet and unplug from the **DAB+ Receiver**.



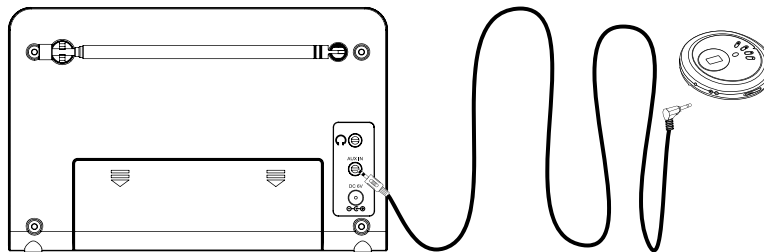
Aux-In (Line-In /Audio-In) Connection

Set up you line in port (AUX IN)

This will allow you to transmit sound through your **DAB+ Receiver** speakers.

CONNECTION:

1. Plug a 3.5mm audio cable (not included) into your MP3 or MP4 player aux out or phones port and connect the other end (3.5mm jack) into the **AUX- IN** port at the rear of **DAB+ Receiver**
2. Make sure both units are turned on.
3. Press the **MODE** button of **DAB+ Receiver** to change source to **AUX** mode.
4. Set your device to start playing.
5. This will allow you to transmit sound through your DAB+ unit speakers.



Battery Operation

Before installing batteries (not included), ensure that the unit is disconnected from the mains supply.

Remove the battery compartment cover on the back of the **DAB+ Receiver** by carefully pushing the two lugs down. The battery cover can then be lifted away. Select the battery switch (Alkaline or NI-MH) in the batteries compartment.. Fit the 1.5V (UM3) x 4 pcs batteries (not included), referring to the polarity markings. Finally, replace the cover.

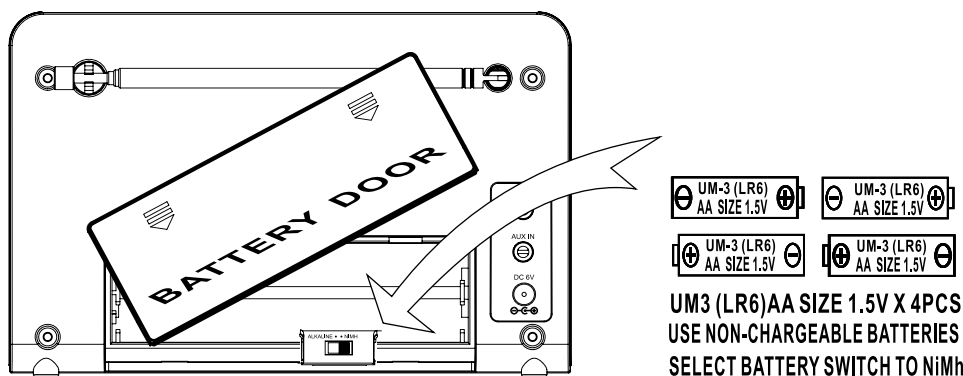
For battery operation, remove the adapter from the wall outlet and unplug from the **DAB+ Receiver**.

Warning!

1. *There is danger of explosion if batteries are incorrectly replaced.*
2. *Select correct the type batteries of battery switch. Danger of explosion if batteries are incorrectly battery switch setting.*
3. *Using Non-chargeable battery, the batteries switch must set to **Alkaline** position.*
4. *Using chargeable battery, the batteries switch must set to **NiMh** position.*
5. *Replace batteries with the same equivalent type only.*

Using Non-Rechargeable Batteries

- 1) We recommend the use of High Quality batteries.
- 2) Select the battery switch to Alkaline position.



- 3) Follow the “**Battery Operation**” to insert correct batteries.

Warning!

1. *There is danger of explosion if batteries are incorrectly replaced.*
2. *There is danger of explosion if battery switch has the wrong setting.*
3. *When using Non-chargeable battery, the batteries switch must set to **Alkaline** position.*
4. *Please replace batteries with the same equivalent type only.*

Using Rechargeable Batteries NIMH

Warning!

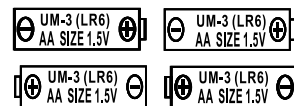
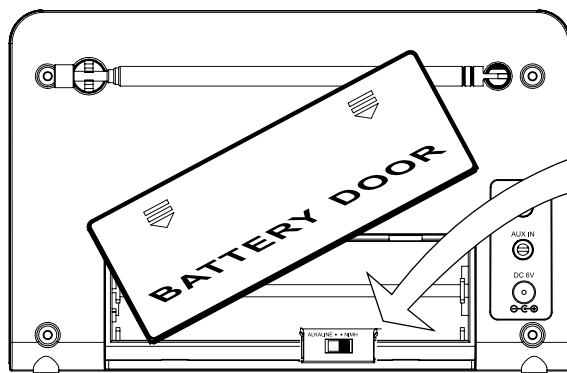
There is danger of explosion if use non-rechargeable batteries with the NIMH switch set. Overtime batteries will loose the charge, please always remember to check the Batteries.

The preferred rechargeable battery type use NIMH AA size.

- 1) A fully charged battery, depending on its capacity will take approximately 15-20 hours for a full charge.
- 2) Charging of the batteries is possible with the radio powered on or off as long as it is connected to the mains supply.
- 3) With the unit connected to a mains supply move the batteries switch to **NiMH** position. The **“Insert Battery”** indicator will show on display. At this moment, install rechargeable battery into the batteries compartment.
- 4) Insert 4x AA size rechargeable batteries into the battery compartment observing the correct polarity as indicated inside the battery compartment. The **“Batt Charging”** show on display and the battery charging start.
- 5) After approximately 15-20 hours, the **“Batt Charged”** show on display and the batteries are fully charged.
- 6) Remove the adapter from the back of the unit to operate the unit.

Warning!

- 1) The charge current in this unit has been optimized for overnight charging of NI-MH rechargeable batteries. NiCad batteries can be used but the charge time will need to be reduced.
- 2) If using rechargeable batteries, select the batteries switch to NiMh position. At the time display will show **“Insert Battery”**.
- 3) After installing battery, the **“Batt Charging”** show on display.
- 4) **“Batt charged”** show on display that the rechargeable batteries fully charged.



**UM3 (LR6)AA SIZE 1.5V X 4PCS
USE NON-CHARGEABLE BATTERIES
SELECT BATTERY SWITCH TO NiMh**

Main Operation

Power On / Off

Follow the previous page “**Connecting AC Power**” & “**Battery Operation**”. Press the **STANDBY** button to power on / off the DAB+ Receiver.


Switching On for the first time

Insert the AC power or batteries. The **DISPLAY** will illuminate and “**WELCOME**” will be displayed. Press **STANDBY** button to turn on your **DAB+ Receiver** for the first time **DAB+** mode is selected automatically and “**Autotune Full scan**” will show on display.

WELCOME

Autotune
Full scan

The following screen will be displayed a bar graph indicates the progress of the search - the number of stations found increases as the scan progresses.

Progress bar  Number of stations found

Switching Difference Source DAB+ / FM /AUX

After you turn on your **DAB+ Receiver**, press the **MODE** button to select different modes.

Using the Volume Control

After you turn on your **DAB+ Receiver** and use the < / > buttons to increase or decrease the volume sound.

Adjusting the Antenna

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

Using the Headphones

You will require headphones (not included) fitted with a 3.5 mm diameter stereo plug. The Headphone socket is located on the rear side of this unit. Headphones are not supplied with this **DAB+ Receiver**.

Operate DAB+ Radio

Using DAB+ Stations

1. Power on your **DAB+ Receiver**, the **DAB+** mode is selected automatically.

Warning! If the **DAB+ Receiver** does not turn onto **DAB+** mode, press the **MODE** button to select **DAB+** mode.

2. Use the **< / >** buttons to move through the station list.
3. Press the **SELECT** Button to confirm selection & start listening.
4. When a station has been selected and the display will show the information of the radio station.

Scanning for DAB+ Stations

Due to the nature of a **DAB+ Receiver**, additional stations and services regularly become available. If you wish to see if there have been any new **DAB+** stations introduced in your area you can initiate a search. Hold the **TUNE / SELECT** button to activate search for stations. This will take approximately 15-30 seconds.



Storing DAB+ Presets

You can preset up to 10 DAB+ stations for easy access as follows:

1. Tune to the station you wish to preset (see Changing **DAB+** Stations).
2. Press and hold the **PRESET** button, the preset station 1 will show on **DISPLAY**.



3. Use the **< / >** buttons to select the store position.
4. Press the **SELECT** button to save the current station into the specified preset. The saves preset number will show on display.



Selecting a Preset Station

You can select to 10 DAB+ stations for easy access as follows:

1. Press the **PRESET** button once, the preset station 1 will show on **DISPLAY**.
2. Use the **< / >** buttons to select the store position.



3. Press the **SELECT** button to confirm.

Warning!

If you have not already stored a **DAB+** station in one of the presets **[Empty]** will be displayed. The **DISPLAY** will revert to the previously selected station after a few second.

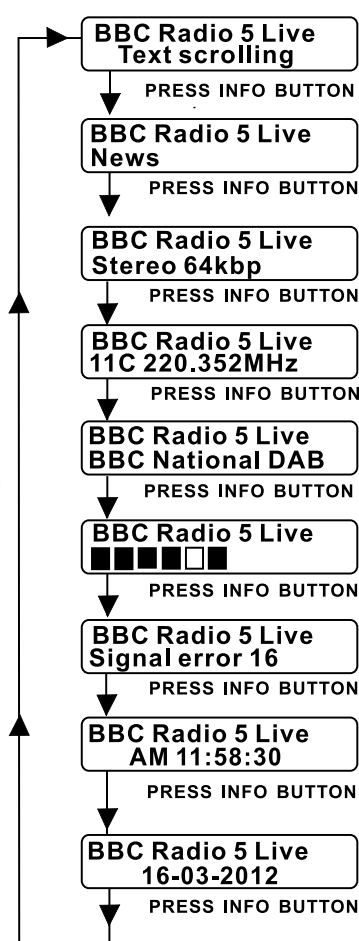
DAB+ Station Text Information

Using the DAB+ Station Information

It is possible to change the information that is displayed on the second line of the **DISPLAY** when listening to a **DAB+** station. There are more types of information available as listed below with examples to the right. To change the information displayed press the **INFO** button repeatedly.

The information show on second line of display below:-

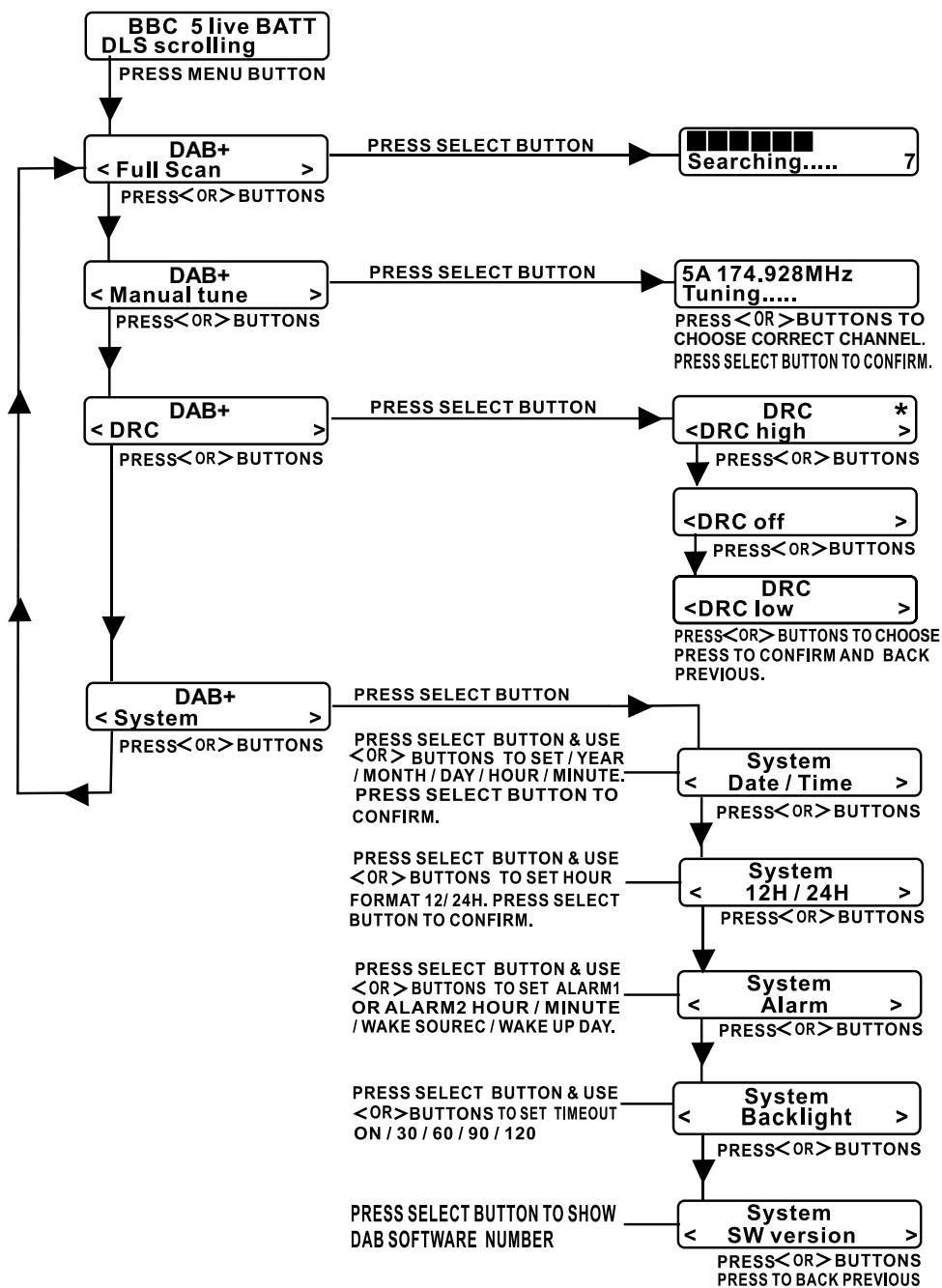
1. **Text scrolling** = Information supplied by the **DAB+** station. It may comprise information on music titles or details of the programmed and is provided by the broadcaster.
2. **Multiplex Name** = This will show the multiplex text that is broadcasting the programmed you are listening.
3. **Signal Information** = This shows the digital bit-rate and the signal mode.
4. **Channel and Frequency** = This displays the channel number and the transmission frequency.
5. **Program Type (PTY)** = This is a description of the type of programmed provided by the DAB+ station and is provided by the broadcaster.
6. **Signal Bar** = Show the transmission signal level.
7. **Signal Error Rate** = If the transmission signal contains errors the system can apply correction. The amount of signal correction can be displayed as a numerical value between 0 and 99. As the value increases, you will hear the signal degrade. To improve reception, try adjusting the position of the antenna. Please note a signal error rate of 30 or more will make the station un-listenable.
8. **Time** = Display time is provided by the broadcaster so will be accurate.
9. **Date** = Display date is provided by the broadcaster so will be accurate.



DAB+ Menu Order

Using the MENU Control (DAB+ mode)

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



DAB+ Menu Order Continued

The MENU Comment (DAB+ mode)

Pressing the **MENU** button will enter the menu control. Press the **< / >** buttons to scroll through the options is described below.

Full Scan

1. Press the **MENU** button to access the menu control
2. Use either the **< / >** buttons until “**Full scan**” displayed.
3. Press the **SELECT** button to activate a full scan search for 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, taking into account the position of the aerial.

1. Press the **MENU** button to access the menu control
2. Use either the **< / >** buttons until “**Manual tune**” displayed.
3. Press the **SELECT** button to access and the channel / frequency show on display.
4. Use either the **< / >** buttons to select the desired channel / frequency.
5. Press the **SELECT** to confirm.
6. Adjust the position of the antenna to obtain the optimum signal strength.

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. The 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 high** = Maximum compression applied (this is the default)
- **DRC low** = Low compression applied
- **DRC off** = No 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 control.
2. Press either the **< / >** buttons until “**DRC**” displayed.
3. Press the **SELECT** button to access “**DRC value**”.
4. Use the **< / >** buttons to select between the three **DRC** values. The available options appear on second line of the **DISPLAY**. When the required **DRC** value is displayed press **SELECT** button to confirm.
5. You should be able to hear the difference in compression immediately.

DAB+ Menu Order Continued

System - Date / Time (See Date / Actual Time Setting)

1. In **MENU** order, Press the < / > buttons until “**System**” displayed.
2. Press the < / > buttons until “**Date / Time**” displayed , use < / > buttons and **SELECT** button to adjust correct digit.
3. Go to “ **Date / Clock Setting**” page for detail setting control.

System - 12H / 24H (See 12 / 24 Hour Format Setting)

1. In **MENU** order, Press the < / > buttons until “**System**” displayed.
2. Press the < / > buttons until “**12H / 24H**” displayed, use < / > buttons and **SELECT** button to adjust correct digit.
3. Go to “ **12 / 24 Hour Format Setting**” page for detail setting control.

System - Alarm (See Alarm Time Setting)

1. In **MENU** order, Press the < / > buttons until “**System**” displayed.
2. Press the < / > buttons until “**Alarm**” displayed, use < / > buttons and **SELECT** button to adjust correct digit.
3. Go to “ **Alarm Setting**” page for detail setting control.

System - Backlight (See Display Backlight)

1. In **MENU** order, Press the < / > buttons until “**System**” displayed.
2. Press the < / > buttons until “**Backlight**” displayed, use < / > buttons and **SELECT** button to adjust correct digit.
3. Go to “**Backlight Setting**” page for detail setting control.

System - SW version (SeeCheck Software Version)

1. In **MENU** order, Press the < / > buttons until “**System**” displayed.
2. Press the < / > buttons until “**SW version**” displayed.
3. Go to “**Checking Software Version**” page for detail.

Operate FM Radio

Using the FM Radio

In Power on mode, press the **MODE** button to select **FM** mode. You may hear background noise as no station has been tuned in. The **DISPLAY** will show the frequency of **FM** station.

Automatic Tuning of FM mode

1. Hold **TUNE / SELECT** button to automatically search for the next available station.
2. If the reception is poor, use the Manual Tuning to fine-tune the station. If the reception does not improve, try altering the position / length of the aerial. If the reception is still poor, scan again to determine whether a stronger signal exists for the desired frequency.
3. When you have tuned into the desired frequency/station, you can save it in one of the ten preset locations.

Manual Tuning of FM mode

1. In FM mode, press **TUNE** button once and use the **< / >** buttons to manually scan through the frequency band.
2. If the reception does not improve, try altering the position / length of the aerial. If the reception is still poor, scan again to determine whether a stronger signal exists for the desired frequency.
3. When you have tuned into the desired frequency/station, you can save it in one of the ten preset locations, see below.

Storing FM Presets

You can preset up to 10 **FM** stations for easy access as follows:

1. Tune to the station you wish to preset (see Using the **FM** Radio).
2. Hold the **PRESET** button once, the preset station 1 will show on **DISPLAY**.

Preset Store	1	Memory number
98.20MHz		Stored Station Frequency Before

3. Use the **< / >** buttons to select the store position.
4. Press the **SELECT** button to save the current station into the specified preset.

CR 1	RDS
Preset 1 stored	

Recall a Preset Station

You can select to 10 **FM** stations for easy access as follows:

1. Press the **PRESET** button once, the preset station 1 will show on **DISPLAY**.

Preset Recall	1
89.80MHz	

2. Use the **< / >** buttons to select the store position.
3. Press the **SELECT** button to confirm.

Warning!

1. If you have not already stored a **FM** station in one of the presets **[Empty]** will be displayed. The **DISPLAY** will revert to the previously selected station after a few second.
2. If **RDS** information is available, the display will then show the radio station name.
3. If you tune to an **FM** stereo station and the **ST** indicator will be light.

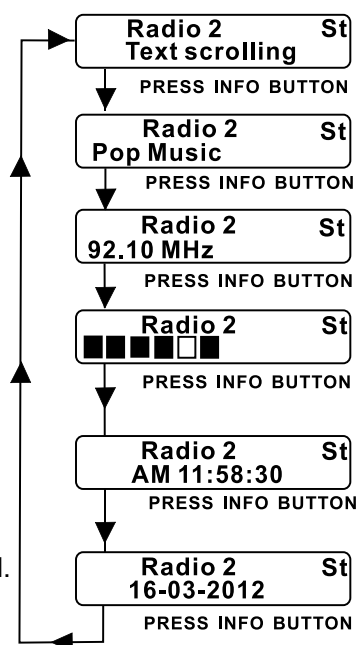
FM Station Text Information

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 a FM station (RDS mode). There are more types of information available as listed below with examples to the right. To change the information displayed press the INFO button repeatedly.

The information show on second line of display below:-

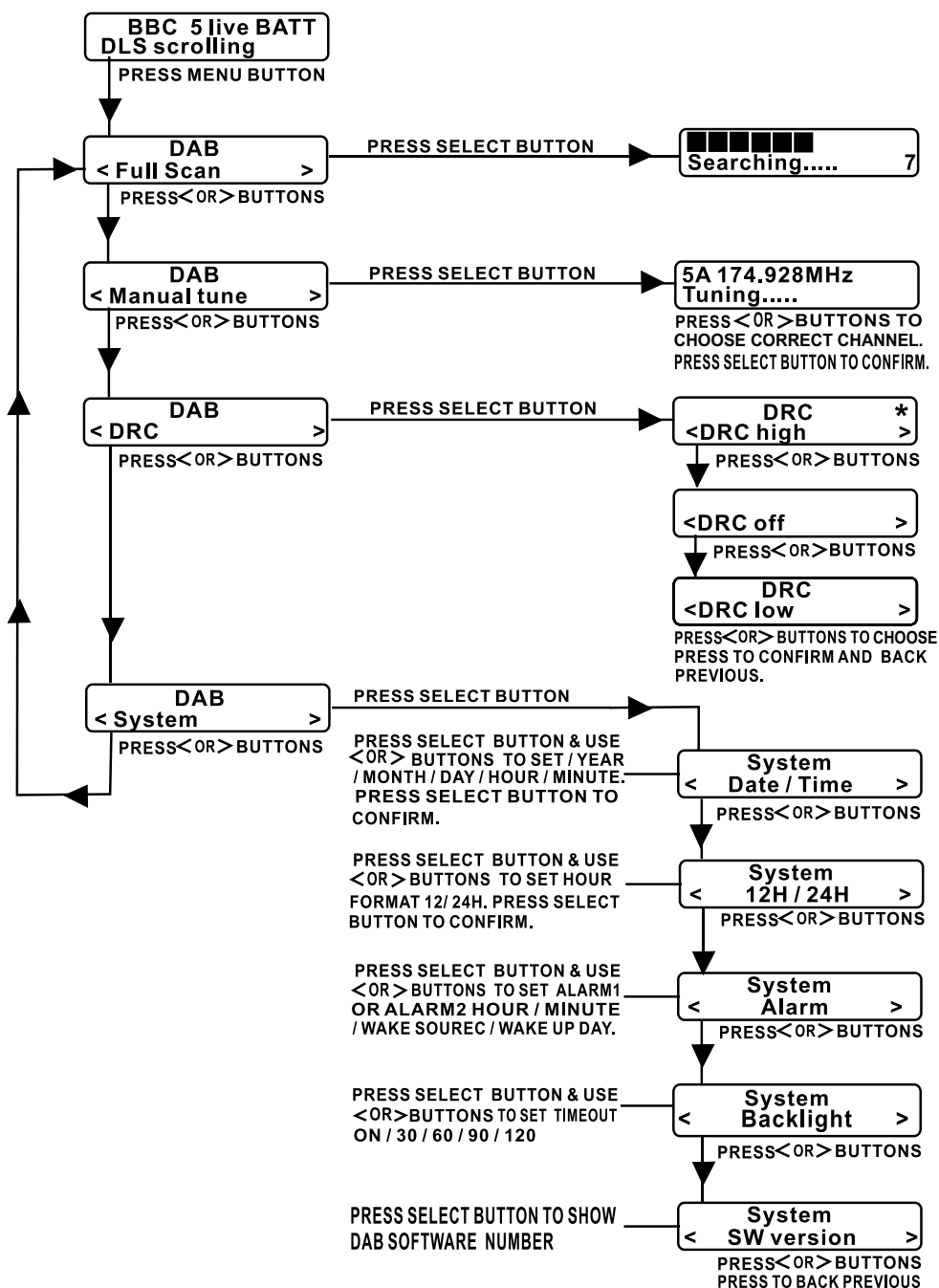
1. **Radio Text** = This is scrolling text information supplied by the station It may comprise information on music titles or details of the program and is provided by the broadcaster.
2. **Program Type (PTY)** = This is a description of the type of program provided by the FM station and is provided by the broadcaster.
3. **Radio Frequency** = This is information of radio frequency supplied by the **FM** station.
4. **Signal Bar** = Show the transmission signal level.
5. **Time** = Display time is provided by the broadcaster so will be accurate.
6. **Date** = Display date is provided by the broadcaster so will be accurate.



FM Menu Order

Using the MENU Control (FM mode)

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



FM Menu Order Continued

The MENU Comment (FM mode)

Pressing the **MENU** button will enter the menu control. Use the **< / >** buttons to scroll the options described below.

Scan setting

1. Press the **MENU** button to access the menu control
2. Press either the **< / >** buttons until **"Scan setting"** is displayed.
3. Press the **SELECT** button to access.
4. Press either the **< / >** buttons to select **"All station"** or **"Strong stations"** (this is the default).
5. Press the **SELECT** button to confirm.
6. Next time use FM scan function will be search by the setting.

Audio setting

1. Press the **MENU** button to access the menu control
2. Press either the **< / >** buttons until **"Audio setting"** is displayed.
3. Press the **SELECT** button to access.
4. Press either the **< / >** buttons to select **"Forced mono"** or **"Stereo allowed"** (this is the default).
5. Press the **SELECT** button to confirm.

System - "Date / Time" "12H / 24H" "Alarm" "Backlight" " SW version"

1. Press the **MENU** button to enter menu order. Press the **< / >** buttons until **"System"** displayed.
2. Pressing the **< / >** buttons to **"Date / Time"** **"12H / 24H"** **"Alarm"** **"Backlight"** **" SW version"** displayed, use **< / >** buttons and **SELECT** button to adjust correct digit.
 - "Date / Time" = See next page **"Date / Actual Time Setting"**
 - "12H / 24H" = See next page **"12/24 Hour Format Setting"**
 - "Alarm" = See next page **"Alarm Time Setting"**
 - "Backlight" = See next page **"Display Backlight"**
 - "SW version" = See next page **"Checking Software Version"**

STANDBY Mode Menu & Alarm Checking

The MENU Comment (STANDBY mode)

Press **STANDBY** button to power down the unit, the clock will show on display. Pressing the **MENU** button will enter the menu control. Use the **< / >** buttons to scroll the options described below.

System - "Date / Time" "12H / 24H" "Alarm" "Backlight" " SW version"

1. Press the **MENU** button to enter menu order.
2. Pressing the **< / >** buttons to **"Date / Time"** **"12H / 24H"** **"Alarm"** **"Backlight"** **" SW version"** displayed, use **< / >** buttons and **SELECT** button to adjust correct digit.
3. You can go to next page **"Date / Actual Time Setting"** **"12/24 Hour format Setting"** **"Alarm Time Setting"** **"Display Backlight"** **"Checking Software Version"** for detail.

CHECK ALARM TIME & SETTING

1. Press **STANDBY** button to power down the unit, the clock will show on display.
2. Pressing the **PRESET** button check **Alarm1 / Alarm 2** time & wake up source.
3. Go to **"Alarm Time Setting-Checking Alarm Time"** page for detail setting control.

Date / Actual Time Setting

When receiving **DAB+/FM** stations the broadcast stations provide the correct time. The broadcast stations set your actual clock time, so it will always be accurate.

Auto Update the Clock Time

1. Turn on the unit and press the **MODE** button to select **DAB+ / FM**.
2. Waiting a few minute the time will auto up day.

Manual Set the Clock / Date

If you want manual set the Time / Day / Month / Year, please see following step:-

1. Turn on the unit to **DAB+ / FM** mode. Press the **MENU** button to enter.
2. Use the **< / >** buttons to select **SYSTEM** mode and press **SELECT** button to enter.
No need the **step 2** if unit turn to **STANDBY** mode.
3. Uses the **< / >** buttons select to "**Date / Time**" press **SELECT** button.
4. Use the **< / >** buttons to adjust the **Year** and press **SELECT** button to confirm.
5. Use the **< / >** buttons to adjust the **Month** time and press **SELECT** button to confirm.
6. Use the **< / >** buttons to adjust **DAY** and press the **SELECT** button to confirm.
7. Use the **< / >** buttons to adjust the **Hour** time and press **SELECT** button to confirm.
8. Use the **< / >** buttons to adjust the **Minute** time and press **SELECT** button to saved all setting.

Warning!

*When operating on Batteries, clock and alarms will not function.
This is to save power.*

12 / 24 Hour Format Setting

1. Turn on the unit to **DAB+/ FM** mode. Press the **MENU** button to enter.
2. Use the **< / >** buttons to select **SYSTEM** mode and press **SELECT** button to enter.
No need the **step 2** if unit turn to **STANDBY** mode.
3. Uses the **< / >** buttons select to "**12H / 24H**" and press **SELECT** button.
4. Uses the **< / >** buttons select to correct hour format and press **SELECT** button to confirm.

Using Sleep Function

Sleep Function

While music is playing, hold the **INFO** button until sleep time shows on display. The unit will continue to play the music for 90 minutes and after the sleep time the unit will be automatic off.

Change the SLEEP Time

During the music playing, hold the **INFO** button until sleep time show on display. Use the **< / >** buttons to select sleep time "**ON-90 -60-30-10-Off**". Press the **SELECT** button to confirm.

Alarm Time Setting

You can select two-alarm time settings and wake to **DAB+ / FM / BUZZER** sound.

1. Turn on the unit to **DAB+ / FM** mode. Press the **MENU** button to enter.
2. Use the **< / >** buttons to select **SYSTEM** mode and press **SELECT** button to enter.
No need the **step 2** if unit turn to **STANDBY** mode.
3. Use the **< / >** buttons to select “**Alarm**” and press the **SELECT** button to enter.
4. Press the **< / >** button to select alarm1 / alarm2 setting mode and press **SELECT** button to confirm.
5. Use the **< / >** buttons to select the alarm active or deactivate and press **SELECT** button to confirm.
6. Use the **< / >** buttons to select alarm call on **Daily / Weekly / Weekend / Once** and press **SELECT** button to confirm.
7. Use the **< / >** buttons to select alarm volume and press **SELECT** button to confirm.
8. Use the **< / >** buttons to adjust the alarm hour time and press **SELECT** button to confirm.
9. Use the **< / >** buttons to adjust the alarm minute time and press **SELECT** button to confirm.
10. After all setting, the alarm will be automatic active and alarm icon will show on display.

Warning!

1. *Daily: the alarm will be repeated each day at the same time.*
2. *Weekly: the alarm will repeat from Monday to Friday at the same time.*
3. *Weekend: the alarm will repeat from Saturday to Sunday at the same time.*
4. *Once: the alarm will wake up once only and will not repeat.*

Shut Off the Alarm Sound

The alarm wake up source will automatically turn off after one hour if the unit is wakened by alarm on function.

During alarm sounding, press **STANDBY** button once to stop alarm sound and auto repeat next time (except alarm wake up on **ONCE** mode)

Warning!

1. *If you activate an alarm, the alarm icon will show on display.*
2. *If you wish to be woken up by radio, ensure that a radio station is tuned.*
3. *If you wish to be woken up by DAB+ radio, ensure that there is station signal, if not the unit will switch to **BUZZER** mode automatically.*
4. **In batteries operation, there is no alarm wake up function**

Using Snooze Function

When an alarm sounds, pressing any button (except **STANDBY** button) will temporarily silence the alarm for 10 minutes. At this moment, the alarm icon will blinks on display.

Checking the Alarm Time

You can check the alarm time In standby mode and press **PRESET** button frequency to select alarm 1 / alarm 2 for checking time.

Display Backlight

You can set the display backlight time out below:

1. Turn on the unit to **DAB+ / FM** mode or go back to **STANDBY** mode.
2. Press **MENU** button once, use the **< / >** buttons until "**System**" displayed and press **SELECT** button to enter.
3. Press the **< / >** buttons until "**Backlight**" displayed and press **SELECT** button to enter.
4. Press the **< / >** buttons to select **ON** (default) / **30second** / **60 second** / **90 second** / **120 second**.
5. After setting, the display will auto dim by setting time.

Warning!

*In **STANDBY** mode, the backlight will auto dim until user press **MENU / PRESET / STANDBY** button again.*

Factory Reset

You can delete all of the preset stations / alarm / clock time setting and return to the factory default setting.

1. Turn on the unit to **DAB+ / FM** mode.
2. Hold the **MENU** button until "**Press SELECT to confirm reset**" show on display.
3. Press the **SELECT** button to confirm. A few seconds, the unit will be returned to its factory condition. The display show **scanning.....**

Warning! *If you do not wish to reset the unit in the **Factory Reset** mode, wait a few seconds without pressing any buttons and the unit will revert to its previous operating condition.*

Checking Software Version

You can check the software version number below:-

1. Turn on the unit to **DAB+ / FM** mode. Press the **MENU** button to enter.
2. Use the **< / >** buttons to select **SYSTEM** mode and press **SELECT** button to enter. No need for **step 2** if in **STANDBY** mode.
3. Press the **< / >** buttons until "**SW version**" displayed.
4. Press the **SELECT** button to enter.
5. At this moment, the correct software version will show on display

Trouble Shooting

PROBLEM	POSSIBLE CAUSE	REMEDY
No sound	Volume not adjusted Mains adaptor is not correctly connected	Adjust the volume Connect mains adapter again
Does not react to operation of any button	Microprocessor locked up	Turn off the unit, disconnect the mains adaptor and reconnect after a few seconds.
Poor radio reception	Weak radio signal Interference from other electrical items	Ensure the antenna is fully extended. Adjust the position of the antenna. Move the radio away from sources of interference.
No alarm sound	1. Wrong alarm time setting. 2. Alarm volume set to min. 3. Wrong wake day setting 4. No main power	Carefully the AM / PM time setting Set to correct volume level. Carefully the wake up day correctly. Please connect main power.

Technical Specification

AC Power Requirement.....	AC-DC adapter AC-240V input, DC-6V output
Batteries Power Requirement...	UM3 x4 pcs (Support Rechargeable Battery)
Audio Power Output.....	1.8 W (Single Channel)
Ear-Phone Output	Below 200mV (Stereo Output)
DAB+ Section	Band III, 174 MHz to 240MHz
FM Section.....	87.5 to 108 MHz
Station Memory.....	DAB+-10 + FM-10 (Total 20 station Memory)

Warranty

Please keep your receipt as proof of purchase. This product is warranted for any defect in materials or workmanship for 12 months years 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.

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.

In the unlikely event that your product fails to work normally, please contact **Bush Warranty on 1300 055 518 (Australia) or 0800 450 259 (New Zealand)** & have your receipt of purchase on hand.

This guarantee is subject to the following provisions:

- It is only valid within boundaries of the country of purchase
- The product must be correctly assembled & operated in accordance with the instructions contained in the manual
- This product must be used solely for domestic purposes
- The guarantee does not cover accidental damage
- The guarantee 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 guarantee is in addition to, & does not diminish, your statutory or legal rights.

PO BOX 6287
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BUSH Warranty: 1300 055 518.

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