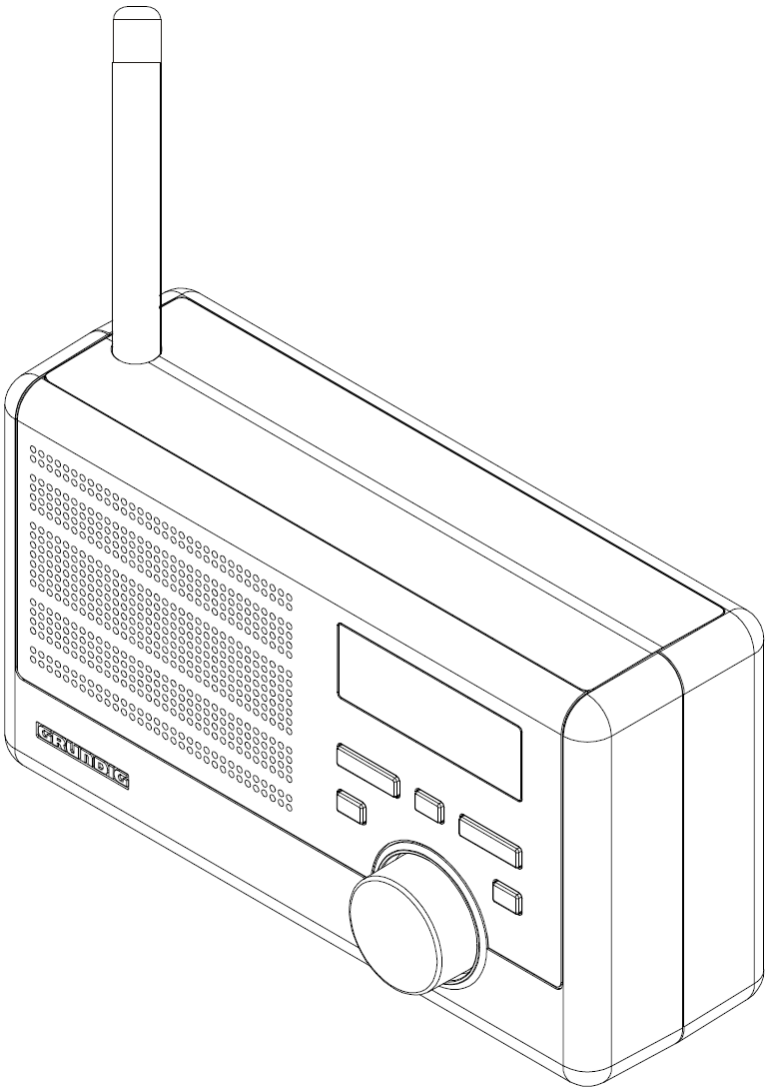
The Gener8 Series
DAB+ RECHARGEABLE & SOLAR DIGITAL RADIO



GDR720DAB
GDR730DABSOL

The Gold Technical Support Line: 1902 215 259
Personal Product Support
(Charges will apply at $2.95 per minute)

Introduction

Thank you for buying this **GRUNDIG** 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.

Safety is important

Your safety and the safety of others is very 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.

Australia.
GRUNDIG Warranty: 1800 509 394

New Zealand
GRUNDIG Warranty: 0800 450 259

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. You must keep it away from dripping or splashing water.
- Never allow children to insert foreign objects into holes or slots on the unit.
- Do not cover the ventilation holes with items such as tablecloths, curtains, etc. This may cause the unit to overheat.
- No naked flame sources, such as candles, should be placed on or near the unit.
- Do not place objects filled with liquids, such as vases or jugs, on or near the unit.
- Do not place the unit in a closed cabinet without proper ventilation.
- For the GDR730DABSOL, do not attempt to charge the unit by placing the solar panel directly under any kind of sun-lamp. This will cause irreversible damage to the radio and casing.

Battery Pack

- The battery pack which is built into your radio is designed to provide several years of service. When the batteries can no longer store sufficient energy to power your radio after being charged they should be replaced.
- The old battery pack should be recycled or disposed of in an environmentally friendly way as prescribed by your local regulations.

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 technician.
- Consult your retailer if you are ever in doubt about the installation/operation/safety of the product.

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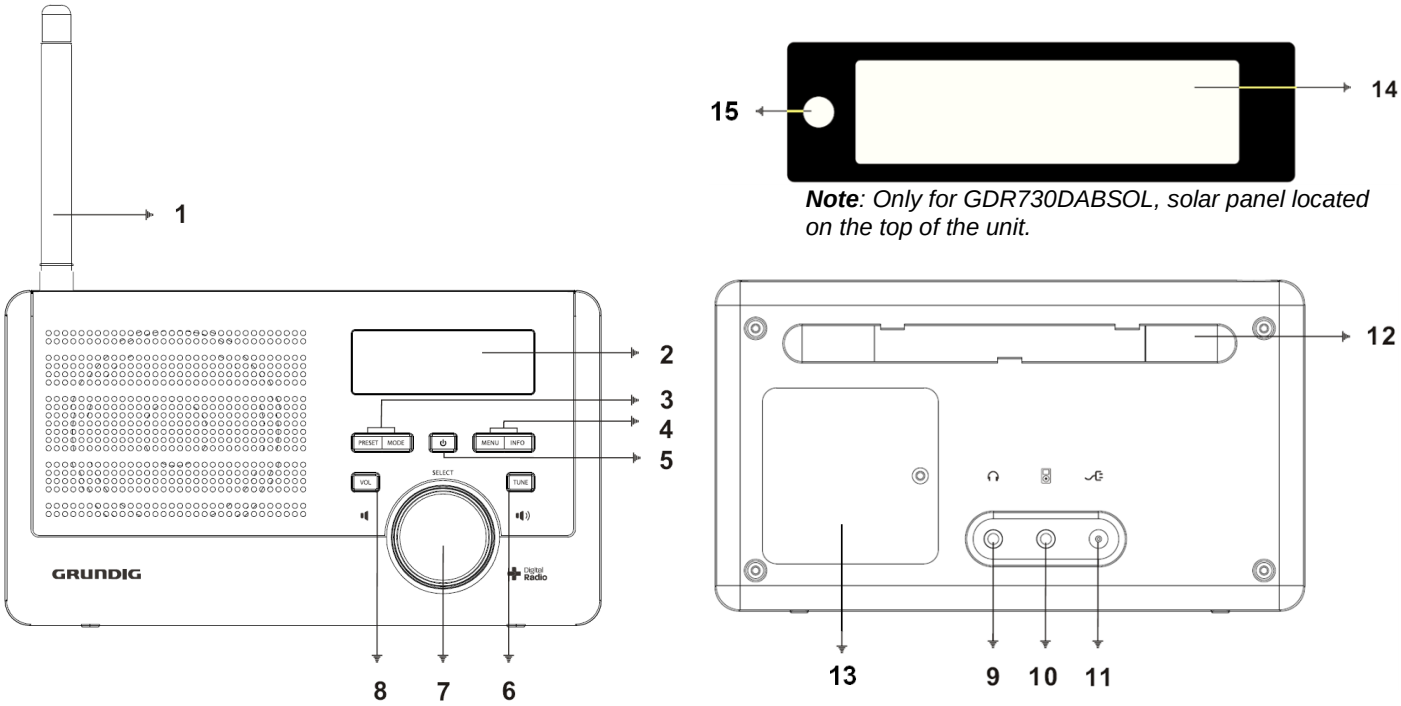
Your DAB+ Radio



***Note**: Only for GDR730DABSOL, solar panel located on the top of the unit.*

1.	Telescopic Aerial	6.	TUNE Button	11.	DC Input Socket
2.	LCD Display	7.	SELECT Knob	12.	Aerial Storage Slot
3.	PRESET & MODE Button	8.	VOLUME Button	13.	Battery Compartment
4.	MENU & INFO Button	9.	Headphone Jack	14	Solar Panel (Only for GDR730DABSOL)
5.	⏻ STANDBY Button	10.	AUX IN Jack	15	Telescopic Aerial Hole

Control	DAB+ and FM
PRESET MODE	Press the PRESET **Button** to set and play presets. Press the MODE **Button** to convert between DAB+ and FM modes.
⏻	Press the ⏻ **Button** to turn on or off your DAB+ Radio
MENU INFO	Press the MENU **Button** to enter the Main Menu or to select other menus. Press the INFO **Button** to browse information provided by radio broadcasters.
VOL	Press the VOL **Button** to activate the volume function and then turn the **SELECT** Knob to adjust volume level.
TUNE	Press the TUNE **Button** to activate the Tune function and then turn the **SELECT** Knob to manually scan for FM Stations. or Press the TUNE **Button** to activate the Tune function and then press the **SELECT** Knob to auto scan FM Stations.
SELECT	Press to **SELECT** Knob to select a menu option or confirm a setting. Turn the **SELECT** Knob to select and view options.

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 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 directed and reflected signals to 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 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 0409-DRPLUS to receive an SMS confirming whether you reside in a DAB+ broadcast area.

Getting Started

Carefully remove your **DAB+ Receiver** from the box. You may wish to keep the packaging for future use.

In the Box

Inside the box you will find:

- DAB+ Radio (Main Unit)
- Power Adapter
- User Guide

Positioning your DAB+ Radio

Place your **DAB+ Receiver** on a flat / stable surface. Make sure it is not subject to vibrations/movement.

Avoid the following locations:

- Where it will be close to heat radiating sources.
- Where the humidity will be high and/or the ventilation will be poor.
- Where it will be dusty.
- Where it will be damp or a possibility of water dripping or splashing onto the unit.

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+ Radio** and /or aerial to achieve the best signal.

Using Headphones

To listen to your DAB+ Radio via Headphones, you will require headphones with a 3.5 mm diameter stereo plug (not included). The Headphone Socket is located on the back of the unit. Plug the Headphone Jack into the Headphone socket, the speaker sound will automatically turn off once the headphones are plugged in.

Turning the Unit On/Off

Connect the Power Adaptor to the DC Jack on the back of the unit. Then insert the Power Adaptor into the desired wall outlet. Press the Button to turn on the unit. To turn off the unit press the Button again.

Using the AC Adaptor

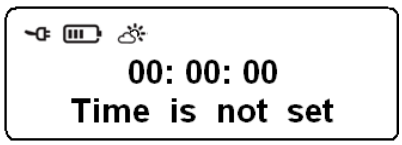
Both the GDR730DABSOL and GDR720DAB can be powered by using an AC adaptor (supplied), see instructions above, The GDR730DABSOL can be powered by solar power and both can be powered by rechargeable batteries, making these radios environmentally friendly and cost effective.

Recharging via the AC Adaptor

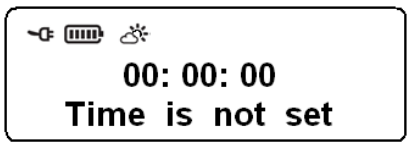
For prolonged life, the internal rechargeable battery pack should be charged for 24 hours prior to the first operation.

To Charge Your DAB+ Radio

1. Place your radio on a flat surface.
2. Connect the Power Adaptor to DC Jack on the back of the unit and then connect to your wall outlet.
3. Once connected, the charge indicator and the battery indicator will be animated on the LCD display, see below.



4. When the battery is completely charged, the battery indicator will show all segments without flashing.



***Note**: Only use the mains power adaptor that has been supplied with this unit. .*

Using Solar Power (for GDR730DABSOL only)

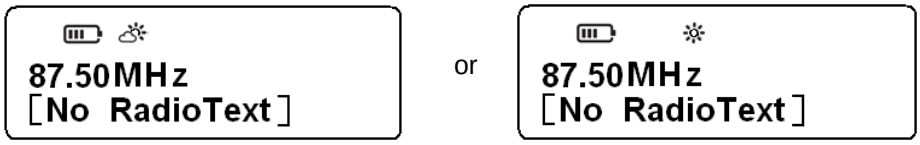
***Note**: **The** solar panel will only deliver power to the radio, or charge the batteries under natural sunlight. It will not deliver charge in artificial light*

Recharging via Solar Power

1. Position the radio so that the built-in solar panel is in direct sunlight.

***Note**: The more sunlight that falls on the solar panel - the more electricity to generate power for the radio.*

2. Once the solar panel is activated the solar charging indicators (or) will show up on the display. You can use these indicators as a positioning aid to achieve the greatest output from the solar panel.



***Note**: a. indicates a weak solar level, under this condition the radio may use the batteries to assist with power supply. .*

b. indicates a strong solar level; there will be sufficient power from the solar panel to charge the battery and to power the radio (at a moderate volume).

c. It is highly recommended that the battery pack is ALWAYS installed when the radio is being used.

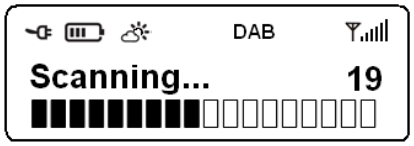
3. Keep the solar panel unobstructed and its protective lens free of dirt and grease. This will ensure the best performance with the available sunlight.

Using DAB+ Radio

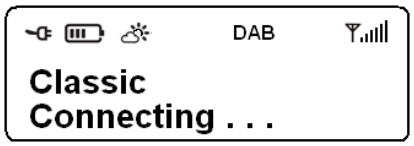
Tuning your DAB+ Radio

1. Remove the aerial from its storage slot at the back of the radio and carefully screw it into the whole provided on the top left of the radio. Carefully extend the telescopic aerial.
2. Press the Button to turn on the unit.

3. When you turn on your DAB+ Radio for the first time it will conduct a full station scan and store all the DAB+ available Radio Stations.



4. The full scan may take between 1-2 minutes to complete and store all available stations.

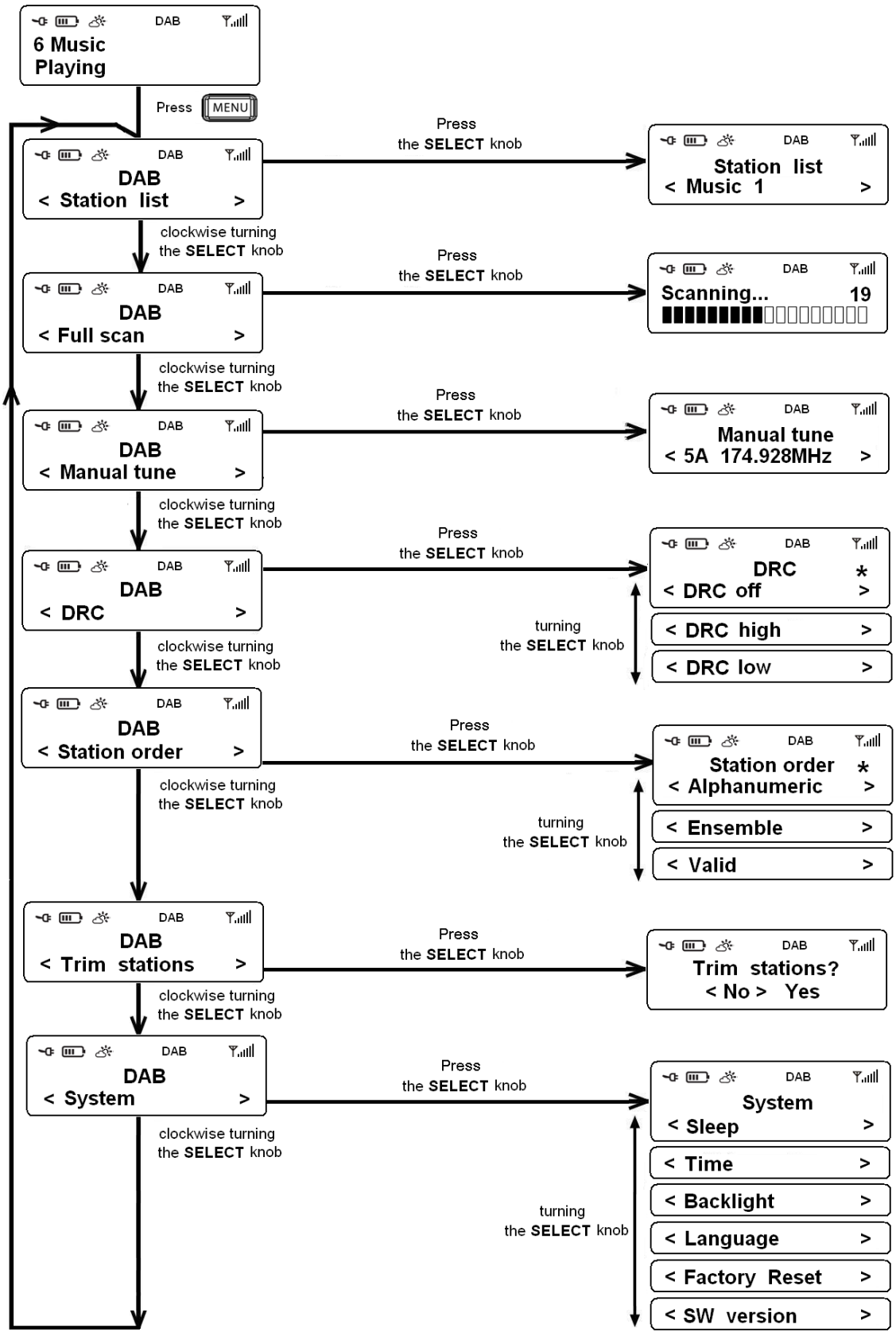


***Note**: a. The DAB+ stations will be displayed in alphanumeric order.*

b. If no DAB+ signal is found in your area, it may be necessary for you to relocate your radio.

Using DAB+ Radio

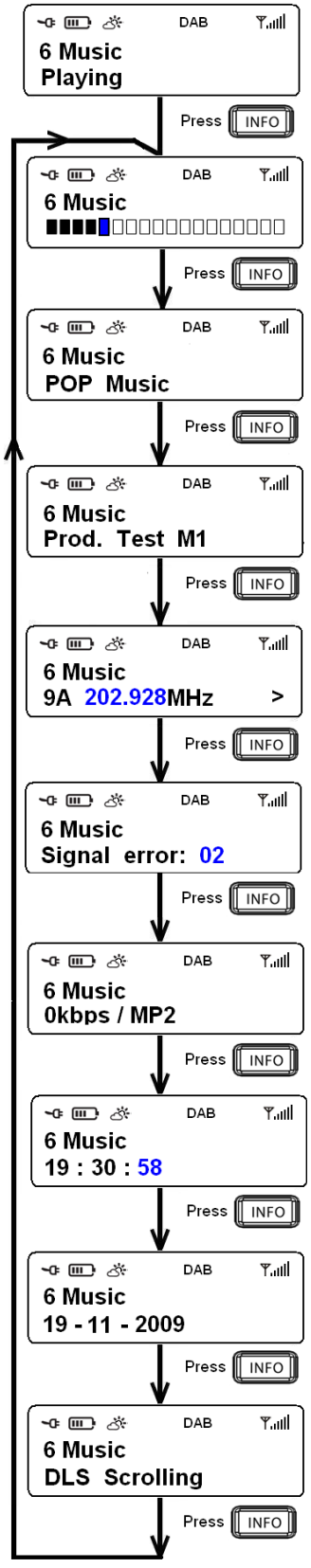
DAB+ Menu Options



Using DAB+ Radio

How to Browse Station Information

Whilst listening to your desired DAB+ Radio program, you can browse the station information by pressing the INFO Button repeatedly. Please refer to the flow chart for direction.



Signal Strength:
Shows a signal bar with the strength of the current station you are listening to.

Program Type (PTY):
This is a description of the type of program provided by the DAB+ station or by broadcaster.

Multiplex Name:
This will show the multiplex that is broadcasting the program you are listening to.

Frequency:
This is the transmission frequency of the station you are listening to.

Signal Error:
This is the signal error rate of the station being played. The error rate can range from 0 to 100.

a. 0 means no error signal has been detected.
b. 100 indicates a very poor signal.

Signal Information:
This shows the digital bit rate and the signal mode.

Time:
This displays the time provided by the broadcaster.

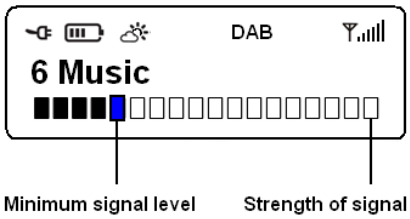
Date:
This displays the date provided by the broadcaster.

Dynamic Label Segment (DLS):
DLS is the scrolling text information supplied by the DAB+ station or by the broadcaster.

Using DAB+ Radio

How to Show the Signal Strength

1. Press the INFO Button during play, the LCD screen will display a signal bar to show the signal strength.



The indicator on the signal bar shows the minimum acceptable signal level.

Note: *Stations with signal strength below the minimum signal level will not provide a steady stream of audio.*

How to Change Stations

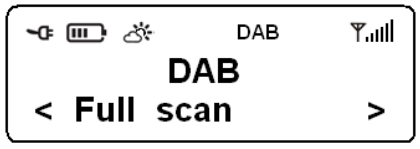
1. Press the MENU Button to enter the Main Menu.

2. The first option in the Main Menu will be Station List, press the **SELECT** Knob to confirm.

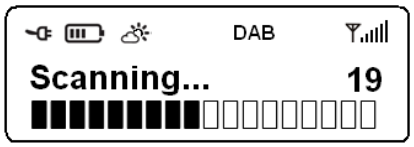
3. Then turn the **SELECT** Knob until the station you wish to listen to appears on the screen. Press the **SELECT** knob to confirm the station and it will begin to play.

Conducting a Full Scan

1. Press the MENU Button and then turn the **SELECT** Knob until **Full Scan** is displayed on the screen.



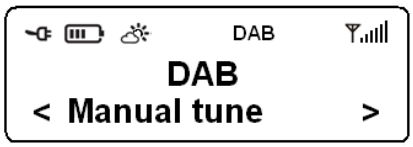
2. Press the **SELECT** Knob to confirm. The Full Scan will begin automatically and will store all available stations.



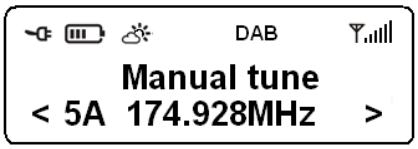
Using DAB+ Radio

Conducting a Manual Scan

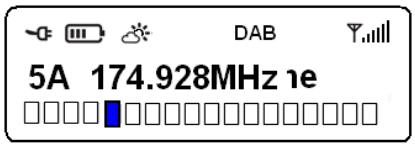
1. Press the MENU Button and then turn the **SELECT** Knob until you see **Manual Tune** on the display.



2. Press the **SELECT** Knob to confirm, the display will show the channel number and frequency list.



3. Turn the **SELECT** Knob to scroll through the channels and press the **SELECT** Knob once you have found the radio channel you wish to listen to.



Note: If there is a multiplex corresponding to this channel and frequency, then the display will show a tuning meter with the signal strength and the multiplex name after a few seconds.

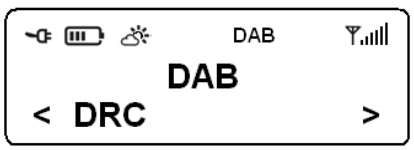
4. Press the MENU Button to exit this order.

How to Set the DRC (Dynamic Range Control)

You can set the level of the compression of stations to eliminate the differences in dynamic range or sound level between radio stations.

*Note: Setting the DRC to **off** indicates no compression, setting the DRC to **low** indicates little compression and setting the DRC to **high** shows maximum compression.*

1. Press the MENU Button and then turn the **SELECT** Knob until the **DRC** menu is displayed on screen.



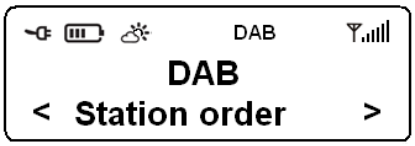
Using DAB+ Radio

2. Press the **SELECT** knob to confirm.

3. Turn the **SELECT** Knob to select the desired DRC Mode and press the **SELECT** Knob to confirm.

Changing Station Order

1. Press the MENU Button and then turn the **SELECT** Knob until the **Station Order** menu is displayed.



2. Press the **SELECT** Knob to confirm.

***Note**: There are three options available: Alphanumeric, Ensemble and Valid.*

STATION ORDER	*DESCRIPTION*
Alphanumeric	*Displays all stations in alph*anumeric order.
Ensemble	Lists all active stations first then inactive stations.
Valid	Only list active stations.

3. Turn the **SELECT** Knob to your chosen option and press the **SELECT** Knob to confirm.

Using DAB+ Radio

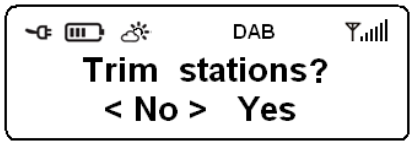
How to Trim the Station Order

✍ ***Note**: This will remove all inactive stations (stations with low reception) station list.*

1. Press the

Button and then turn the **SELECT** Knob until the **Trim Stations** menu appears on the display.

2. Press the **SELECT** Knob to confirm.



3. Turn the **SELECT** Knob to select **yes** and then press the **SELECT** Knob to confirm.

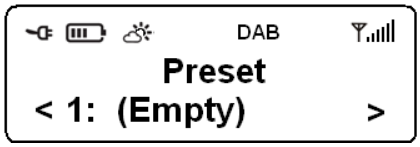
Using DAB+ & FM Radio

Setting Station Presets

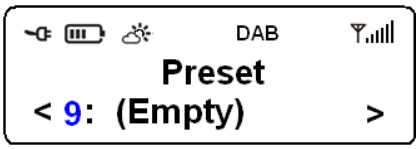
Your radio can store 20 DAB+ & 20 FM Station Presets.

To Store Presets:

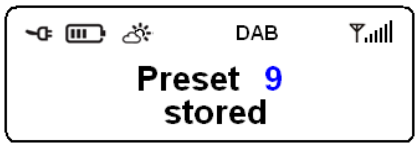
1. While playing the station you wish to set as a preset, press and hold the PRESET Button.



2. Turn the **SELECT** Knob to cycle through the Preset numbers 1 - 20.



3. Once you have found your desired Preset position, press the **SELECT** Knob to confirm.



Playing a Preset Station

To Select a Stored Station:

1. Press the MODE Button to select the relevant radio mode.
2. Press the PRESET button to enter the Preset Menu.

3. Turn the **SELECT** Knob to find the preset number you wish to listen to and then press the **SELECT** Knob to confirm.

Using FM Radio

Converting to FM mode

1. Press the MODE Button to switch between FM and DAB+ Modes.
2. Once you have selected FM mode the radio will show the beginning of the FM frequency range (87.50MHz) or will play the last FM station you were listening to.

Conducting a Manual Scan

1. Press the MENU Button, whilst in FM mode and the first menu option will be the **FM Tuning Mode**. Press the **SELECT** knob to confirm.

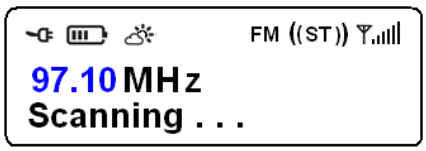
2. Once in the **FM Tuning Mode**, turn the **SELECT** Knob to **Manual Tune** and press to confirm.

3. Press the TUNE Button until **Tune to tune** is displayed on the screen and then press the TUNE button again.

4. Turn the **SELECT** Knob to change it by 0.05MHz.

Conducting an Auto Scan

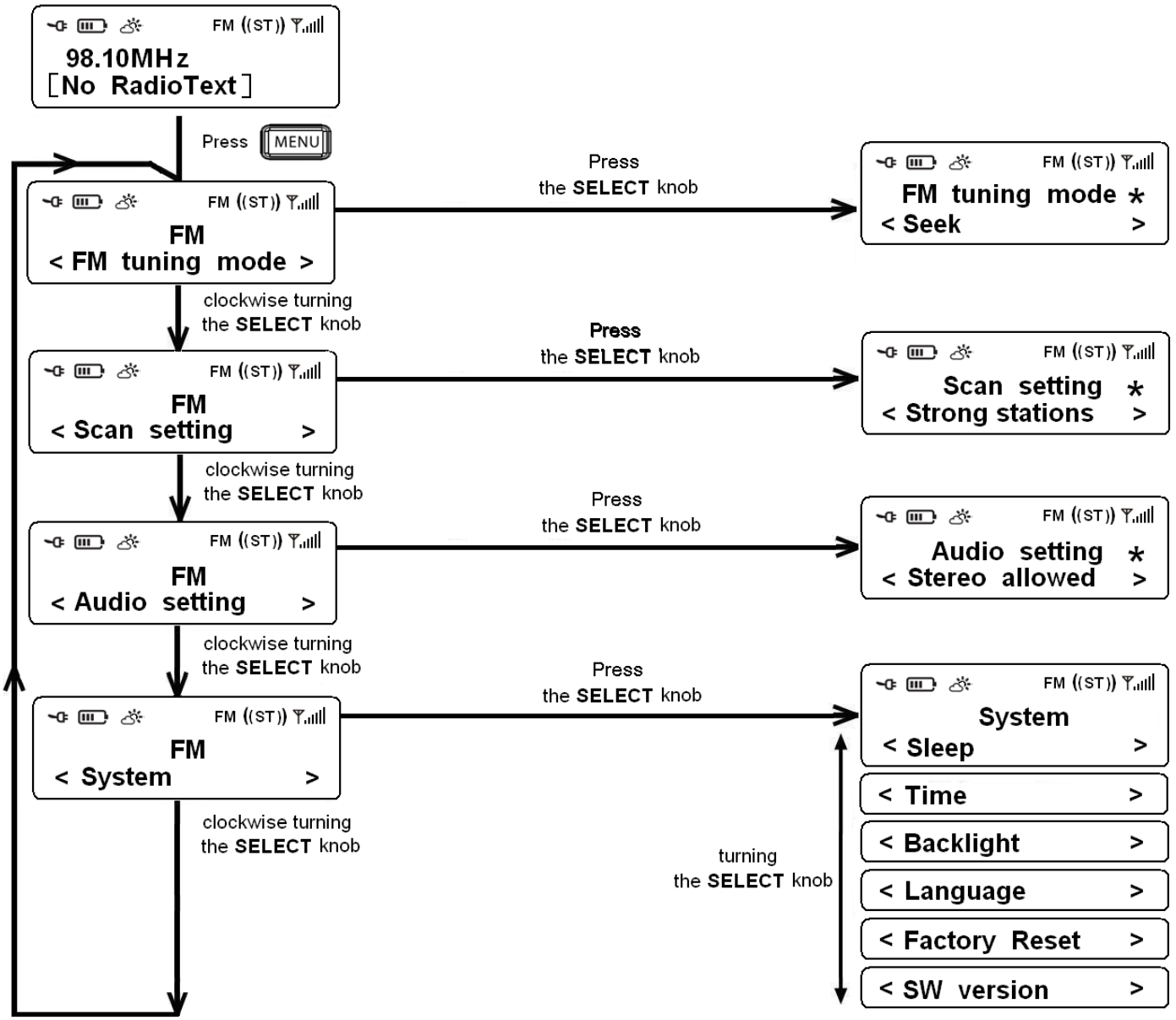
1. Press the TUNE Button until the display says **Tune to tune**, then press the **SELECT** Knob and it will begin an Auto Scan.



***Note**: The display will show the frequency changing until it stops on the next available station. After it reaches the end it will go back to the beginning frequency. .*

Using FM Radio

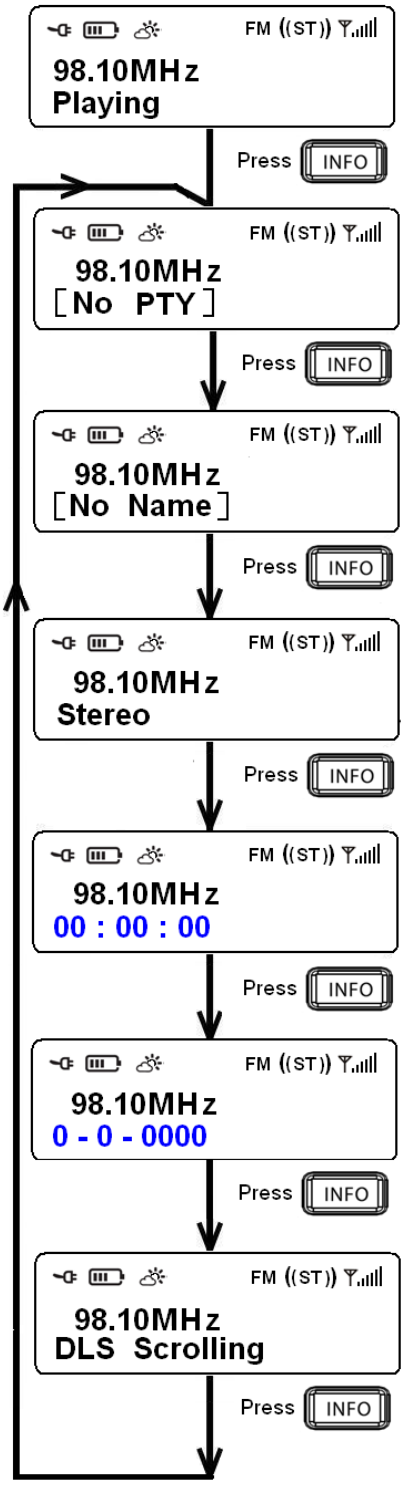
FM Menu Options



Using FM Radio

To View Station Information in FM Mode

Whilst listening to your desired FM Radio program, you can browse the station information by pressing the INFO Button repeatedly. Please refer to the flow chart for direction.



Program Type (PTY):
This is a description of the type of program provided by the FM station or by the broadcaster.

Station Name
This displays the station name of the transmission you are currently listening to.

Audio Type
This shows the Sound Output you are currently listening to. It may be Stereo or Mono.

Time:
This displays the time provided by the broadcaster.

Date:
This displays 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 program and is provided by the broadcaster.

***Note**: This information depends on the radio broadcaster and their broadcast transmissions. Some FM Stations may not be equipped to send this information through their digital transmissions.*

Using FM Radio

Scan Setting

1. Press the MENU Button and then turn the **SELECT** Knob, until the **Scan Setting** menu is displayed on screen.

2. Press the **SELECT** Knob to confirm.

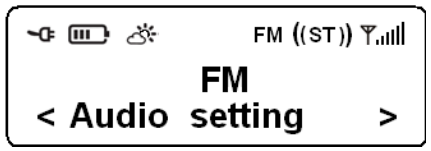
> ***Note**: You can choose between '**Strong Stations Only'** and '**All Stations'.** If you choose '**Strong Stations Only'** the station list will show only the stations with strong signal strength. If you choose '**All Stations'** all detected stations will be shown in the station list.*

3. Turn the **SELECT** Knob to select your preferred station, and then press the **SELECT** Knob to confirm.

Audio Setting

> ***Note**: This function is for the Headphone Output only.*

1. Press the MENU Button and then turn the **SELECT** Knob until you see the **Audio Setting** menu on the display.



2. Press the **SELECT** Knob to confirm.

> ***Note**: You can choose between '**Stereo allowed'** and '**Forced Mono'** Audio Setting. If you choose **'Stereo Allowed'** the Sound Output will be stereo through the Headphones. If you choose '**Forced Mono**' the Sound Output will be Mono through the Headphones.*

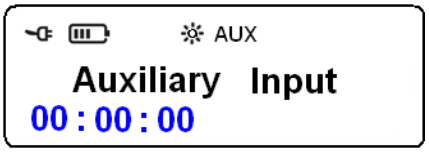
3. Turn the **SELECT** Knob to select your preferred setting, and then press the **SELECT** Knob to confirm.

Using AUX IN

AUX IN Operation Mode

1. Whilst your radio is in **On** mode, connect one end of your Auxiliary cable to the Headphone (or Auxiliary Output) Socket of your source device (MP3 Player or iPod). Then connect the other end to AUX IN Socket on the rear of your radio.

2. Once you have connected your device, **Auxiliary Input** Mode will be displayed on screen. Press the **SELECT** Knob to enter. Your external device will begin to play automatically.



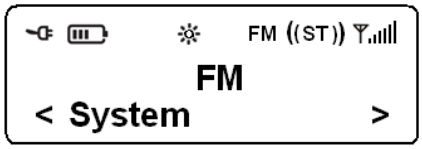
3. To gain optimal volume levels, adjust the output volume level on both the source device and your DAB+ Radio.

Note: *AUX IN allows for quick and easy connection to an MP3 player, iPod or other external sound sources.*

System Setup

System Setup

1. Press the MENU Button and then turn the **SELECT** Knob until you see the **System** Menu on the display.



2. Press the **SELECT** Knob to confirm.

3. Once in the **System** Menu, turn the **SELECT** Knob to cycle through the Menu options, including '**Sleep**', '**Time**', '**Backlight**', '**Language**', '**Factory Reset**' and '**SW Version**'.

Setting Sleep Function

1. After selecting the **Sleep** Menu, turn the **SELECT** knob to define the sleep period you wish to set. You can set a sleep time of 0 – 90 minutes.

***Note**: a. You will be able scroll through the following Sleep period options; off, 15, 30, 45, 60 and 90minutes.*

b. Once you have selected a Sleep time, the radio will turn off after the selected amount of time.

2. Press the **SELECT** Knob to confirm your preferred sleep period.

4. Select the **Sleep** Menu again to see how long until the set time will elapse.

5. Radio will automatically put itself into **Standby** mode after the setting time has elapsed.

6. Simply press the Button if you wish to contine to listen to your DAB+ Radio after the Sleep time has elasped.

System Setup

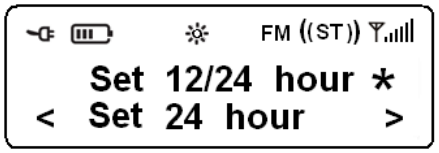
Setting the Clock

1. After entering the **System** Menu, select the **Time** option and press the **SELECT** Knob to confirm.

*Note: a. You can set the clock by two ways, '**Manually**' or '**Auto Update**'.*
b. Auto Update is updated from your DAB+ broadcaster.

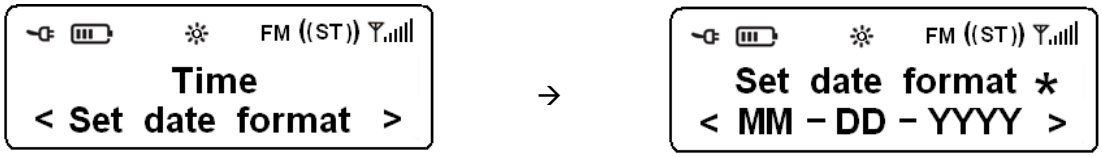
Choose 12/24 Hour Format

When you have entered the **Time** Menu, you will be asked to set either 12 or 24 hour format. Turn the **SELECT** Knob to select your desired option and then press the **SELECT** Knob to confirm.



Setting the Date format

Whilst in the **Time** Menu, turn the **SELECT** Knob to select the '**Set Date Format'** option you desire. Then press the **SELECT** Knob to confirm.



*Note: You can choose '**MM-DD-YYYY**' or '**DD-MM-YYYY**'.*

Set Time / Date (Manually)

a.) After entering the **Time** or **Date** Menu and once you have selected your preferred Time and Date settings, you must now change the Time and Date manually.

System Setup

b.) Turn the **SELECT** Knob to change the hours and then press the **SELECT** Knob to confirm.

c.) Once hours have been confirmed. Turn the **SELECT** Knob change the minutes. Press the **SELECT** Knob to confirm. You will now be asked to set the date.

d.) Using the same method as above set the date as desired.

Auto Update

a.) In the **Time** Menu there is an option to select **Auto Update.** Turn the **SELECT** Knob until this option is displayed and then press the **SELECT** Knob to confirm.

→

b.) Turn the **SELECT** Knob to select '**Auto update from DAB+**' and then press the **SELECT** Knob to confirm.

System Setup

Setting the Backlight Level

1. In the **System** Menu you will be able to select **Backlight** option. To change these settings press the **SELECT** Knob to confirm.

2. Once in the **Backlight** Menu, turn the **SELECT** Knob to select the Backlight level you desire to be displayed during **On** mode. Press the **SELECT** Knob to confirm.

✍ ***Note**: a. You can choose between '**High**', '**Medium**' and '**low**'.*

b. A High Backlight will allow you to view the information easily and will provide you with the maximum light level.

c. A Medium Backlight will still give you a good level of light but will use less power than the high level.

d. A Low Backlight is the dullest option of the three. It will also use the least amount of power.

Setting the Backlight Level for Standby Mode

✍ ***Note**: Standby Mode is available when the unit is off but is still connected to main power supply.*

To set the Backlight level for Standby Mode, turn the **SELECT** Knob until '**Standby Level**' is displayed on screen. Then follow the same steps as above.

Setting the Language Option

1. In the **System** Menu turn the Select Knob to select the **Language** Menu. Press the **SELECT** Knob to confirm.

2. Once in the **Language** Menu, turn the **SELECT** Knob to select your desired setting. Press the **SELECT** Knob to confirm.

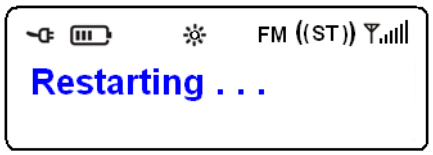
System Setup

Conducting a Factory Reset

Note: Conducting a Factory Reset will reset and delete all of the settings and stored stations. It will return the radio to its original factory settings.

1. In the **System** Menu, turn the **SELECT** knob to select the **Factory Reset** option. Press the **SELECT** Knob to confirm.

2. Once in the **Factory Reset** Menu, it will ask you if you want to perform a reset. Turn the **SELECT** Knob to select **yes** or **no** and then press the **SELECT** Knob to confirm.



3. You will see the above screen and the DAB+ Radio will return to its original settings.

SW Version

Note: This function will update your radio software, if and when required.

1. In the **System** Menu turn the **SELECT** knob to select the **SW Version** option. Press the **SELECT** Knob to confirm. You will now be able to view the radio's software.

Troubleshooting and Technical Specification

Troubleshooting

If a fault occurs, first check the points listed below before taking the radio for repair. If you are unable to solve a problem by following the below hints we suggest you consult you retailer or service professional.

WARNING: Under no circumstances should you try to repair the unit yourself, as this would invalidate the warranty.

PROBLEM	POSSIBLE CAUSE	SOLUTION
No Sound	Your Headphones may be connected. The Volume may have been set to low. The Power Cord may not be connected correctly/firmly.	Disconnect your Headphones from the unit. Adjust the Volume level of the radio. Reconnect the Power Cord firmly.
The Buttons on the Unit are not Responding	Electrostatic discharge or interference from other electrical equipment.	Turn the unit off and disconnect the Power Cord. Wait for 5 – 10 seconds, then reconnect and turn the unit back on
Radio Poor Reception	There is weak aerial signal or there may be interference from other electrical equipment.	Reposition the aerial and the unit for best reception possible reception. Ensure the aerial is connected. Keep the unit away from other electrical equipment, where possible.

Technical Specification

Specifications ……..	DAB+ and FM Digital Radio with Rechargeable Battery
Speaker power……..…..	1.5W
Frequency Range…….	FM: 87.5-108MHz
	DAB+: 174 – 240MHz
LCD Display……..…….	High Resolution Display
Power Supply……	AC Power Input: 100-240VAC, 50-60Hz
	(please use our provided adapter)
Batteries…..……	Built in NiMH 3 x AA Cell Battery Pack
Dimension..……	194mm x 61mm x 108mm

Warranty

Please keep your receipt as proof of purchase. This product is warranted for any defect in the 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 alteration that affects the performance or reliability of the product.

In the unlikely event that your product fails to work normally, please contact the **GRUNDIG Warranty on 1800 509 394 (Australia) or 0800 450 259 (New Zealand)** 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
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