



MODEL: RR35

SUNRISE ALARM CLOCK DIGITAL RADIO



User Manual

Contents

Important safety information	3
Specifications, Service & Packing List.....	4
Your Sunrise DAB+/FM digital radio	5
Quick start guide.....	6
- For DAB	
- For FM	
Basic operation.....	7
Standby Mode	7
Alarm Setting	7
Alarm Set Up	7-8
Snooze Function.....	8
Stop alarm	9
Switch alarm off	9
Sleep	9
Dimmer function	9
Preset	10
Info.....	10
DAB menu	11
Full scan	11
Manual tune.....	11
DRC (Dynamic Range Compression).....	12
Prune.....	12
System.....	12
Time.....	12
Set Time/Date	13
Auto update	13
Set 12/24 hour	13
Set date format	14
Backlight.....	14
Language.....	14
Factory reset.....	14
Software version.....	14
FM Menu	15
Scan setting.....	15
Audio setting.....	15
Scan behavior.....	16
Troubleshooting	16
Error Messages	17

Important Safety Information

- This product is only intended for audio entertainment. Do not use the product for any other purpose than described in its manual in order to avoid any hazardous situation. Improper use is dangerous and will void any warranty claim.
- For household use only. Do not use outdoors.
- **Danger!** Excessive sound pressure from earphones and headphones can cause hearing loss. If you listen to loud music for a long time, your hearing may be impaired. Set to a moderate volume.
- **Danger of suffocation!** Keep all packaging material away from children.
- Only use under normal room temperature and humidity conditions.
- The product is only suitable for use at moderate degrees of latitude. Do not use in the tropics or in particularly humid climates.
- Outdoor antennas should be located away from power lines.
- Do not move the product from cold into warm places and vice versa. Condensation can cause damage to the product and electrical parts.
- Do not use attachments or accessories other than recommended by the manufacturer or sold with this appliance. Install in accordance with its user manual.
- When installing the product, leave sufficient space for ventilation. Do not install in bookcases, built-in cabinets or the like.
- Do not install near any heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
- Do not apply excessive force to the front or top, as this could ultimately overturn the product.
- Do not shift or move the product when powered on.
- Do not touch, push or rub the surface of the product with any sharp or hard objects.
- **Danger!** To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.
- The product should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the product.
- No naked flame sources, such as lighted candles, should be placed on the product.
- Before connecting the product to a socket outlet, make sure the voltage indicated on the product corresponds to your local mains.
- Never pull the adaptor power plug by the supply cord or with wet hands.
- Disconnect the adaptor power plug in case of faults during use, during lightning storms, before cleaning and when not using the product for a longer period of time.
- **Danger!** Before cleaning, switch the product off and disconnect the adaptor power plug from the socket.
- When the product has reached the end of its service life, make it defective by disconnecting the adaptor power plug from the socket and cut the cord in two.

Specifications

ITEM	SPECIFICATIONS
Model:	RR35 Sunrise Alarm Clock DAB+ / FM Digital Radio
Speaker Output Power:	2W RMS
Frequency Ranges:	FM: 87.5-108MHz. DAB: 174 - 240 MHz
Power Supply:	100-240V AC ~ 50/60 Hz Adapter: DC 5V, 2000mA
Dimension:	155mm (W) x 48mm (H) x 116mm (D)

Nb. Please only use the power adapter provided. Working temperature 0 - 45° C.

Service

This product should be repaired or serviced only by an authorised service engineer and only genuine spare parts should be used.



This symbol (WEEE) indicates that this product should not be treated as normal household waste and it should be recycled. Please take it to your nearest collection facility or for further details contact your local council.

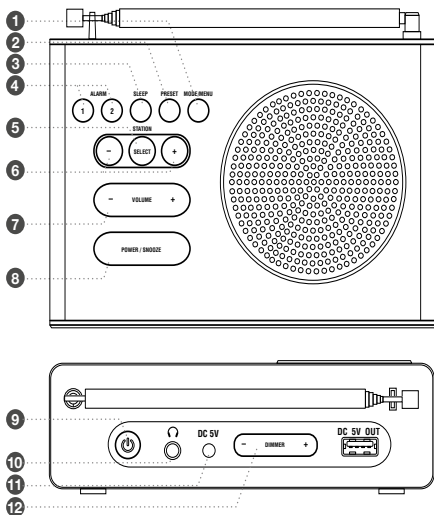
Packing List

1 x Sunrise DAB+ Alarm Clock
Digital Radio

1 x AC Power supply adapter
1 x Instruction manual

Thank you for purchasing the Richter Sunrise Alarm Clock Radio. Please read the instructions and warnings carefully before use to ensure safe and satisfactory operation of this product.

Your Sunrise DAB+/FM Alarm Clock Radio




- 1 Mode / Menu
- 2 Preset button
- 3 Sleep button
- 4 Alarm buttons
- 5 Select button
- 6 Station buttons

- 7 Volume button
- 8 Power/Snooze button
- 9 Main Power button
- 10 3.5mm earphone jack
- 11 DC input
- 12 Dimmer buttons

Quick start guide

Power On and Autoscan

Place the Sunrise Clock radio on a suitable shelf or table, extend the telescopic antenna and connect the power adapter to the Sunrise Clock radio and the mains supply.

To Power on; Long Press (approx.: 1 sec) the Power/Snooze button or Press the Main  button on the rear to turn the Clock radio on, Repeat to return the Clock Radio into standby.

For DAB


Long Press the Power/Snooze to turn on.

1. Press 'Mode/Menu' button to select DAB.
2. For first time use, it will automatically do station scanning.
3. Press the '- Station +' button to find desired station and press 'Select' button once to confirm selection.
4. Your radio will automatically tune.
5. Adjust the volume using the '- Volume +' button, press '-' side to decrease and press '+' side to increase volume.

For FM

Long Press the Power/Snooze to turn on.

1. Press 'Mode/Menu' button to select FM.
2. Scan for stations, press '- Station +' for 3 seconds.
3. Your radio will automatically tune.
4. Press the '- Station +' button to find desired station.*
5. Adjust the volume using the '- Volume +' button, press '-' side to decrease and press '+' side to increase volume.

 **NOTE:** During the scanning, operation of the sound level will be muted automatically.

*In FM mode you can also tune the station manually, pressing the '- Station +' button to adjust the FM frequencies with 50kHz up or down respectively.

Basic Operation

1. Standby mode*

Connect DC power adapter, the radio will enter standby mode.

Display will show the time and date information after synchronize to station signal.

*Standby mode will only work when DC power adapter is connected.

Switch between **Standby**, **DAB** and **FM** mode

Long Press the Power/Snooze button to turn on the radio. It will enter radio mode.

Press the 'Mode/Menu' button to toggle between DAB and FM mode.

Long Press the Power/Snooze button to return to standby mode.

2. Alarm Setting



This Digital Clock radio includes dual alarms and can be activated together for 2 different alarm settings (Alarm1 and Alarm 2) or you may wish to activate one alarm at a time. Once an alarm is activated you will find the alarm icons displayed on the front display.

To set alarm, first make sure to set the clock.

NOTE: You have approximately 60 seconds between each selection before the alarm is automatically cancelled by the clock radio and you have to start again.

3. Alarm Set Up

Long Press Power/Snooze to turn the Clock Radio on.

To set Alarm 1, press 'Alarm 1' button or set Alarm 2, press 'Alarm 2' button. The alarm icon  or  will flash.

Press the 'Select' button to setup the alarm, then the screen shows 'Alarm 1 Wizard' or 'Alarm 2 Wizard'.

Press '- Station +' button to set hour part of alarm time, and then press the 'Select' button to confirm.

Press '- Station +' button to set minute part of alarm time, and then press the 'Select' button to confirm.

Press '- Station +' button to set alarm duration time, and then press the 'Select' button to confirm. Duration options: 15/30/45/60/90/120 minutes.

Press '- Station +' button to set alarm source, and then press the 'Select' button to confirm. Source options: Buzzer/DAB/FM.

When choosing DAB and FM for the alarm source, last listened and preset stations you have stored are available. Press '- Station +' button to select and press 'Select' button to confirm.

Note: If you have selected DAB as the alarm source and the DAB signal strength is low, the buzzer alarm will be triggered instead.



Press '- Station +' button to select which days the alarm will be active, and then press 'Select' button to confirm.

Alarm active options: Daily/Once/Weekends/Weekdays.

Note: If you have selected 'Once', press '- Station +' button to set date which the alarm will be active, and then press 'Select' button to confirm.

Press '- Volume +' button to adjust alarm volume, and then press 'Select' button to confirm.

Press '- Station +' button to set Alarm state 'On' or "Off" then press the 'Select' button to confirm.

The radio will display 'Alarm Saved'. The alarm icon  or  will show on the display.

4. Snooze function

When the alarm sounds, press 'Snooze' button to active snooze. Press 'Snooze' button repeatedly to set the snooze time to 5,10,15 or 30 minutes, then the alarm will temporarily stop. The radio will go to standby mode and show snooze time.



Note: With the snooze time particular options are relative to the alarm duration time you selected.



Duration	Snooze time
15 minutes	5, 10 minutes
30 minutes	5, 10, 15 minutes
45/60/90/120 minutes	5, 10, 15, 30 minutes

5. Stop alarm

You can stop the alarm by pressing the 'Alarm 1' or 'Alarm 2' button when alarms sounds.


6. Switch alarm off

Press the 'Alarm 1' or 'Alarm 2' button. The alarm icon  or  will flash. Press '- Station +' button to set alarm state 'Off', and then press 'Select' button to confirm.

It will display 'Alarm Saved'. The alarm icon  or  will disappear from display.

7. Sleep

This enables your radio to switch to standby mode by itself after a set sleep time.

Press 'Sleep' button repeatedly to select a sleep time, and then press 'Select' button to confirm. The sleep icon  will show on the display. Sleep time options: off/15/30/45/60/90 minutes.

After setting the sleep time, you can view the sleep time countdown by pressing 'Sleep' button.

Press 'Sleep' button repeatedly to select 'Sleep off', and then press 'Select' button to turn off sleep timer.

8. Dimmer function

The brightness of the display can be adjusted manually with the '- Dimmer +' buttons on the rear panel.

There are a total of 5 levels of light intensity.

Press 'Dimmer -' button once to decrease the level by 1 step.

Press 'Dimmer +' button once to increase the level by 1 step.

9. Preset

Spectrum Clock radio has a 'Preset' button to store or recall for DAB and FM stations.

To store a preset

Press and hold the 'Preset' button until the display shows the text 'Preset Store'. Press the '- Station +' button to select the preset number. Press the 'Select' button to confirm to store the station.

Recall a station to the preset list

To recall a preset station, press the 'Preset' button once the display shows the text 'Preset Recall'. Press the '- Station +' button to select the preset number. Press the 'Select' button to confirm to recall the stored station.

10. Info

Press the 'Select' button repeatedly to change the information shown on the screen.

Info options in DAB mode:

- DLS (Dynamic Label Segment - short text information broadcast with DAB audio)
- Signal strength
- PTY (Programme type)
- Ensemble
- Frequency
- Signal quality
- Bitrate
- Time
- Date

Info options in FM mode:

- Radio Text
- PTY (Programme type)
- PS (Programme service)
- Stereo/Mono
- Time
- Date

11. DAB menu

This allows you to tailor the DAB radio with a variety of options to suit you. Press and hold the 'Mode/Menu' button until enter menu mode.

Using '- Station +' button, press '-' or '+' button to select option.


Press 'Mode/Menu' to take a step back within the menu. You can exit the Menu by pressing and holding the 'Mode/Menu' button.

Menu options in DAB mode:

- Full scan
- Manual tune
- DRC
- Prune
- System
- Info

12. Full scan

In DAB menu, using '- Station +' button to select 'Full scan' and press the 'Select' button once to confirm, then full scan starts automatically. Once a scan is completed, the radio returns to play the previously selected station or first station on the station list.

 NOTE: If no radio station is found, it shows 'No DAB Station'.

For a better reception, extend the antenna or do the full scan again in another place.

13. Manual scan

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.

In DAB menu, using '- Station +' button to select 'Manual tune' and press the 'Select' button once to confirm. Then press '- Station +' button again to select a particular channel/frequency and press the 'Select' button once to confirm the setting.

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.

14. 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) / high / low

In DAB menu, press '- Station +' button to select 'DRC' and press the 'Select' button once to confirm. Then press '- Station +' button again to select a particular setting and press the 'Select' button once to confirm the setting.

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

DRC is not broadcast or enabled in Australia.

15. Prune

This removes all invalid stations indicated in the station list with a '?' in front of the station name.

In DAB menu, press '- Station +' button to select 'Prune' and press the 'Select' button once to confirm. Then press '- Station +' button again to select <Yes>, and press the 'Select' button once to confirm.

16. System

In DAB menu, press '- Station +' button to select 'System' and press the 'Select' button once to confirm.

The System menu options are:

- Time
- Backlight
- Language
- Factory Reset
- SW version

17. Time

In the time menu, you can set the time, time format and source for the time update.

NOTE: When in a DAB Broadcast area the Time and Date is broadcast by the DAB radio stations and the Sunrise Clock Radio will update automatically.

18. Set Time/Date

Under system menu, press '- Station +' button to select 'Time' and press the 'Select' button once to confirm. Then press '- Station +' button again to select 'Set Time/Date' and press the 'Select' button once to start setting Time/Date.

- Set the time (Hour) by pressing '- Station +' button and confirm the setting by pressing 'Select' button.
- Set the time (Minute) by pressing '- Station +' button and confirm the setting by pressing 'Select' button.
- Set the date by pressing '- Station +' button and confirm the setting by pressing 'Select' button.

After finishing all steps, it will show 'Time Saved'.

19. Auto update

Under system menu, press '- Station +' button to select 'Time' and press the 'Select' button once to confirm. Then press '- Station +' button again to select 'Auto Update' and press the 'Select' button once to confirm. Press '- Station +' button to select the source for the time update, and then press the 'Select' button to confirm.

Source for the time update:

- Update from Any
- Update from DAB
- Update from FM
- No update

20. Set 12/24 hour

Under system menu, press '- Station +' button to select 'Time' and press the 'Select' button once to confirm. Then press '- Station +' button again to select 'Set 12/24 hour' and press the 'Select' button once to confirm.

Then press '- Station +' button again to select 'Set 12 hour' or 'Set 24 Hour' and press the 'Select' button once to confirm.

21. Set date format

Under system menu, press ‘- Station +’ button to select ‘Time’ and press the ‘Select’ button once to confirm. Then press ‘- Station +’ button again to select ‘Set date format’ and press the ‘Select’ button once to confirm. Press ‘- Station +’ button to select the date format and then press the ‘Select’ button once to confirm.

22. Backlight

The Sunrise Clock radio has a backlight with three brightness settings, and adjustable timeout (this is the time delay, in seconds, after which the display switches to the Dim level).

There are three settings:

- Timeout – Light On 10 | 20 | 30 | 45 | 60 | 90 | 120 | 180 sec | Off
- On level – Level 1 | Level 2 | Level 3 | Level 4 | Level 5
- Dim level – Level 1 | Level 2 | Level 3 | Level 4 | Level 5

23. Language

The language used for display messages can be selected from:

English | Espanol | Français | Italiano | Nederlands | Norsk | Polski | Suomi | Dansk | Deutsch

24. 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.

Under system menu, press ‘- Station +’ button to select ‘Factory Reset’ and press the ‘Select’ button once to confirm. Then, use the ‘- Station +’ button to choose <Yes> and press the ‘Select’ button again to confirm and start the factory reset.

25. Software version

This is used to display the current software version.

Under system menu, press ‘- Station +’ button to select ‘SW version’ and press the ‘Select’ button once to confirm. Then the existing SW version will be shown.

26. FM Menu

This allows you to tailor the FM radio with a variety of options to suit you. Press and hold the 'Mode/Menu' button until enter menu mode.

Using '- Station +' button, press '-' or '+' button to select option.

Press 'Mode/Menu' to take a step back within the menu.

You can exit the Menu by pressing and holding the 'Mode/Menu' button.

Menu options in FM mode:

- Scan setting
- Audio setting
- Scan behavior
- System
- Info

27. Scan setting

FM scans stop at available station. If choosing scan at all station, this may result in poor quality audio from weak stations.

Options:

- Strong stations only(default)
- All stations

Press '- Station +' button to select particular option in 'Scan setting' and press the 'Select' button once to confirm the change to new setting

28. 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 (default)
- Forced mono.

Press '- Station +' button to select particular option in 'Audio setting' and press the 'Select' button once to confirm the change to new setting

29. Scan behavior

By default, press and hold 'Select' button for 2 seconds in FM radio mode, you can search an available station, and stay on the station.

If you select 'Auto', press and hold 'Select' button for 2 seconds in FM radio mode, it will automatically full scan and store stations into preset station list.

Options:

- Manual (default)
- Auto

Press '- Station +' button to select particular option in 'Scan behavior' and press the 'Select' button once to confirm the change to new setting.

Troubleshooting

PROBLEM	SOLUTION
FM Hiss / DAB Burbling / intermittent	Usually due to low signal strength. Check / move antenna. Move radio. Rescan local (high-strength) stations only. (For DAB, check local coverage at www.digitalradioplus.com.au "Can I Get DAB+ Digital Radio" then rescan stations).
DRC not working	DRC only works if it is enabled by the broadcaster for a specific station. DRC is not broadcast or enabled in Australia.

Error Messages

PROBLEM	CAUSE
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 Radio Text	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.

YOUR WARRANTY

THE ENCLOSED TERMS AND CONDITIONS RELATE TO THE WARRANTY PROVIDED BY RICHTER AUDIO PTY LTD ("Richter Audio") (ABN 22 613 067 815) products purchased within Australia.

This warranty applies for a period of 1 Year (12 months) from the date of purchase ("Warranty Period")

GENERAL TERMS AND CONDITIONS OF STANDARD WARRANTY

- 1 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 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.
- 2 The benefits to the consumer given by this Warranty are in addition to other rights and remedies of the consumer under a law in relation to goods or services to which the warranty relates, being the Australian Consumer Law.
- 3 Subject to Clause 1 above and the terms below, as your Standard Warranty, Richter Audio agrees to repair or replace at cost the Richter product, and any accessory supplied with the product, purchased by you in Australia when the product does not perform in accordance with the manufacturer's specifications during the Warranty period.
- 4 To make a claim under the Standard Warranty you will need to:
 - (a) Contact Richter Audio through our website www.richter.com.au for customer support.
 - (b) Refund or replacement via your Richter Audio's Authorised Retailer is available for a period of 14 days after purchase for goods that have been inspected and determined to have a major failure. Refund and exchange is not applicable if you change your mind after purchase.
 - (c) Note that you will need to submit proof of purchase (e.g. delivery invoice, invoice or purchase receipt) with your claim.
- 5 Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products. Replacement of the product or a part does not extend or restart the Warranty Period.
- 6 If the product presented for repair is capable of retaining user-generated data, you are advised that repair of the product may result in loss of the data. Richter Audio shall not be held responsible for any loss of such data as a consequence of fault-find or repair process.

-
- 7 The product will be at the owner's risk whilst in transit to and from the Richter Audio Service Centre, unless transported by Richter Audio or 3rd party transport booked by Richter Audio.
 - 8 Richter Audio will bear the expense of transport where transported by Richter Audio. Any other expense of claiming the warranty will be covered by the owner of the goods.
 - 9 Richter Audio may seek reimbursement of any costs incurred by them when the product is found to be in good working order. The owner of the goods will cover any return transport cost.
 - 10 Products returned to Richter Audio by a courier and are damaged in transit by insufficient packing will be quoted and the cost of the repair will be covered by the owner of the goods.

EXCLUSIONS AND LIMITATIONS

- 11 Subject always to Clause 1 the Standard Warranty will not apply:
 - (a) if the product has not been installed, operated, maintained or used in accordance with the manufacturer's instructions or specifications provided with the product.
 - (b) to damage, malfunction or failure resulting from alterations, accident, misuse, abuse, fire, liquid spillage, mis-adjustment of customer controls, use on an incorrect voltage, power surges and dips, thunderstorm activity, acts of God, voltage supply problems, tampering or unauthorised repairs by any persons, use of defective or incompatible accessories, the operation of a computer virus of any kind, exposure to abnormally corrosive conditions or entry by any insect, vermin or foreign object in the product.
 - (c) to damage arising during transportation, installation or while moving the product, or to any transportation costs of the product or any parts thereof to and from the owner, unless otherwise specified in this Warranty.
 - (d) to any third-party software or hardware not contained in the product as originally configured by the manufacturer.
 - (e) to any failure, to the extent that the failure is not a failure of the product to perform in accordance with its specifications.



richter

For support and warranty registration visit

www.richter.com.au

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.