



ruarkaudio R2 MK4 Smart Tabletop Radio User Guide

[Home](#) » [ruarkaudio](#) » ruarkaudio R2 MK4 Smart Tabletop Radio User Guide 

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Contents

1 Important Information About The AC Power Adapter
2 Operating Instruction
3 Setup Wizard
4 App Control
5 Controls
6 Specifications
7 Troubleshooting
8 Factory Reset
9 Music Streaming Services
10 Common Functions
11 Alarms, Snooze And Sleep
12 Bluetooth
13 DAB Radio
14 FM Radio
15 Line In
16 USB
17 Headphones
18 Optional Remote Control
19 Safety Information
20 Regulatory Information
21 Guarantee
22 General Care
23 Copyright And Trademarks
24 Customer Support
25 Documents / Resources
25.1 References
26 Related Posts

Important Information About The AC Power Adapter

Model DYS830-140200W-K

Input 100-240V~50/60Hz 0.8A MAX

Output 14.0V 2.00A

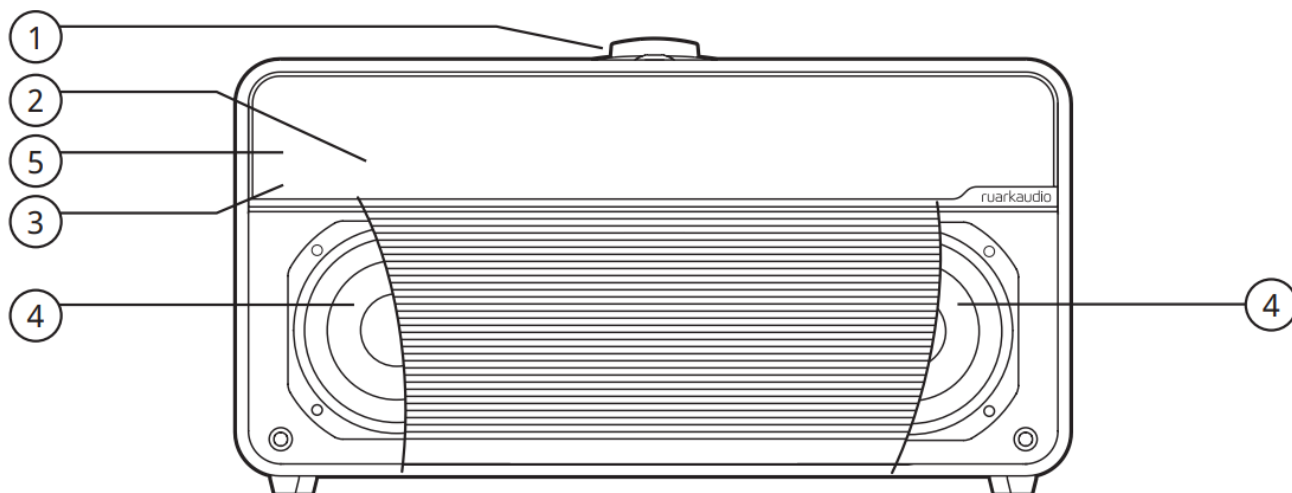
Class II, Efficiency Level VI

- This AC adapter is for audio & video equipment use only and complies with IEC 62368 safety standard.
- The supplied 3-pin plug adapter complies with BS 1363-1 and the supplied 2-pin plug adapter complies with EN 50075.
- Before using the AC adapter, ensure the mains voltage is within the rated supply voltage range.
- The output power taken from this AC adapter must not exceed its rated output power.
- DO NOT disassemble or modify the AC adapter.
- DO NOT drop or throw the AC adapter.
- The external flexible cable cannot be replaced and if the cord is damaged, the AC adapter must be replaced.
- DO NOT expose the AC adapter to dripping or splashing water, and do not place objects filled with liquids, such as vases, on or near the device.
- DO NOT leave the AC adapter in a hot location, such as near fire or under strong sunlight.
- DO NOT cover ventilation openings on the device.
- Unplug the AC adapter during lightning storms or when unused for long periods of time to prevent damage.
- Ensure that the AC adapter is readily accessible when plugged into the mains. If an abnormal condition occurs

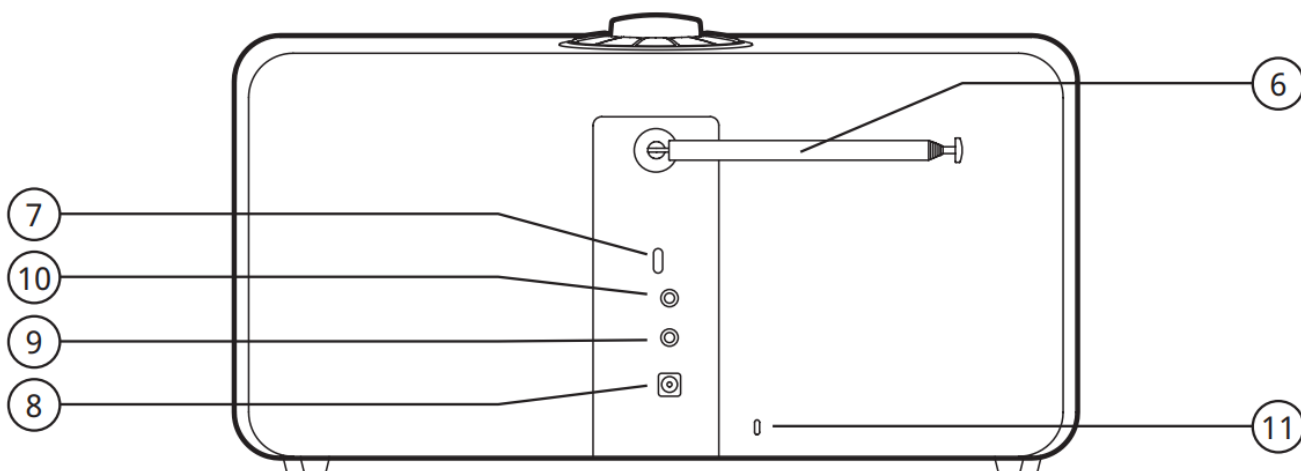
while using it, immediately turn off the connected device and disconnect the mains adapter from the mains.

- DO NOT dispose this AC adapter as general household waste or unsorted municipal waste, dispose of it according to local regulations.

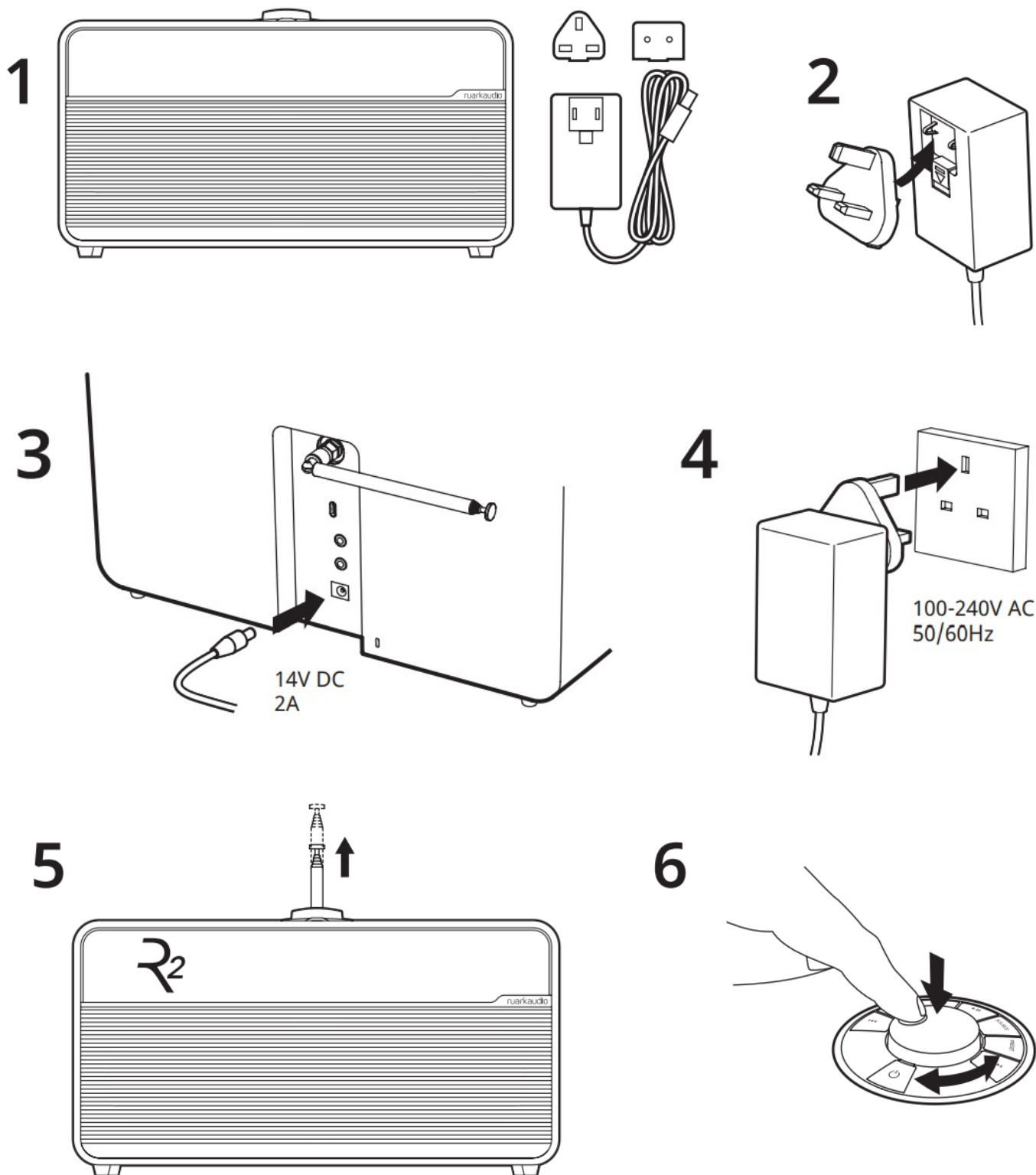
1. Controls
2. OLED display
3. Ambient light sensor
4. 75mm NS+ driver
5. Ambient light sensor



1. DAB-FM antenna
2. USB C
3. DC input
4. Line input
5. Headphone output
6. Security slot



Operating Instruction



Setup Wizard

Follow the setup wizard to configure your R2.

Rotate the CONTROL KNOB until your preferred choice is shown, then press the CONTROL KNOB to SELECT.

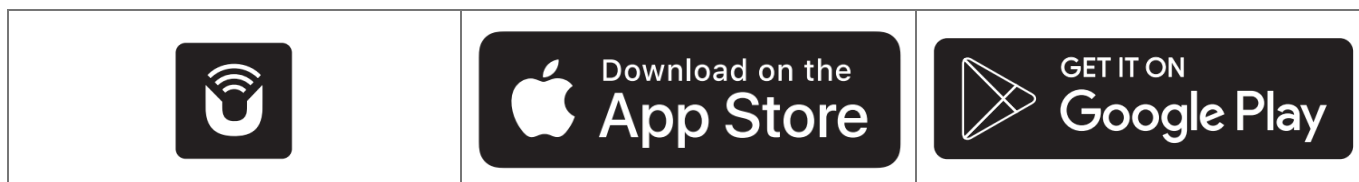
Need more help?

For more information, see





www.ruarkaudio.com/support

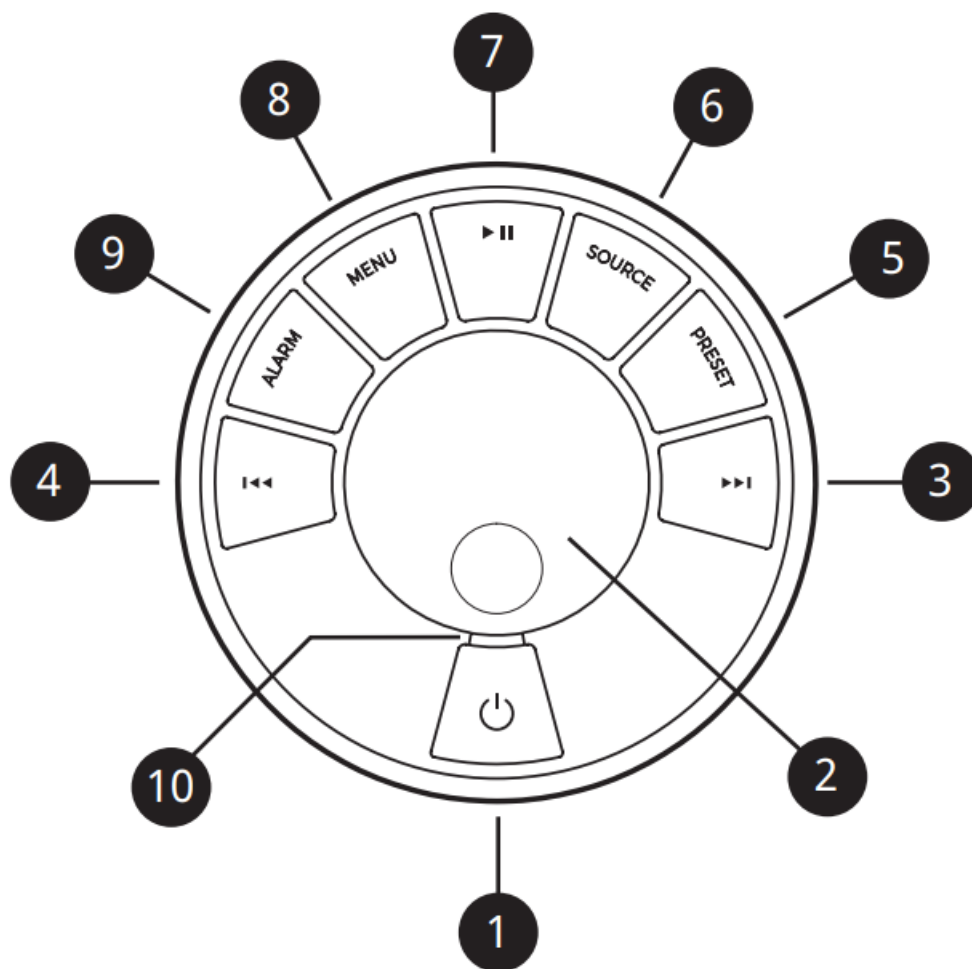
App Control

You can also control your R2 using the companion app UNDOK. Find it on the Apple/Android app store.
For more information visit www.ruarkaudio.com/app



Controls

1.  STANDBY
2. CONTROL KNOB / SELECT
Rotate to adjust volume from a Now Playing screen.
Rotate to browse menus or station lists.
Press to SELECT.
Press to SNOOZE a sounding alarm. Press it again to increase the snooze time or press and hold to cancel.
3.  press to skip to next DAB station, track, or seek next FM station. In standby, press to increase display brightness.
4.  press to skip to previous DAB station, track, or seek next FM station. In standby, press to decrease display brightness.
5. PRESET – press to recall a saved station or playlist, press and hold for two seconds to save a currently playing station or playlist.
6. SOURCE – press to change audio source.
7.  press to play/pause a track or mute audio.
8. MENU – press to view the options menu, press to go back to previous screen when already in a menu.
9. ALARM– press to set an alarm or sleep. Press and hold to quick-access sleep timer.
10. LED – indicates radio is on and flashes when Bluetooth is ready to connect or pair.



Tips

You can also press **▶▶** or **◀◀** to browse menus, sources or station lists.
 Currently saved settings are highlighted with an asterisk, eg "Radio text *".
 Press = tap or press and immediately release.
 Press and hold = press and release after two seconds.

Specifications

Amplifiers and drivers

2 × 75mm Ruark NS+ drivers
 18W Class AB power amplifier
 3D audio processor

Tuner

DAB, DAB+ and FM Tuner with RDS
 75Ohm F-type DAB/FM connector with telescopic aerial

Digital and streaming audio

Internet radio, Spotify Connect, Deezer, Amazon Music
 Wi-Fi 802.11b/g/n WEP, WPA, WPA2
 USB MP3 48kHz 320kbps
 Bluetooth V5.2, SBC, A2DP

Inputs and outputs

Line input (RCA) 2.3Vrms
 USB 2.0, FAT32, 5W (5V 1A)
 3.5mm headphone jack, 25mW into 16-32Ohm

Power

AC mains adapter input: 100-240V AC 50/60Hz 0.8A
 AC mains adapter output: 14V DC 2.00A

Nominal 4W

Standby 1.7W (with USB disconnected)

Physical

H175 x W340 x D135mm (H6.9 x W13.4 x D5.3in) 2.9kg (6.4lbs)

Specifications subject to change without notice.

Troubleshooting

For help with your product, please refer to the FAQ (Frequently Asked Questions) page in the support area of our website. For more information visit www.ruarkaudio.com/support

Factory Reset

If you accidentally select the incorrect language you can factory reset your radio by pressing and holding the standby key for 10s.

Music Streaming Services

Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify. Go to spotify.com/connect to learn how.

Amazon Music

For more details, visit www.amazon.com

Deezer

For more details, visit dizr.fm/airable

The range of supported music services may change without notice.



Common Functions

Switch on and standby

Press STANDBY to turn your radio on from standby.

Press again to switch back to standby.

Now Playing screen

Unless you're in a menu, station/track list or adjusting a setting, the screen will look like the example below.

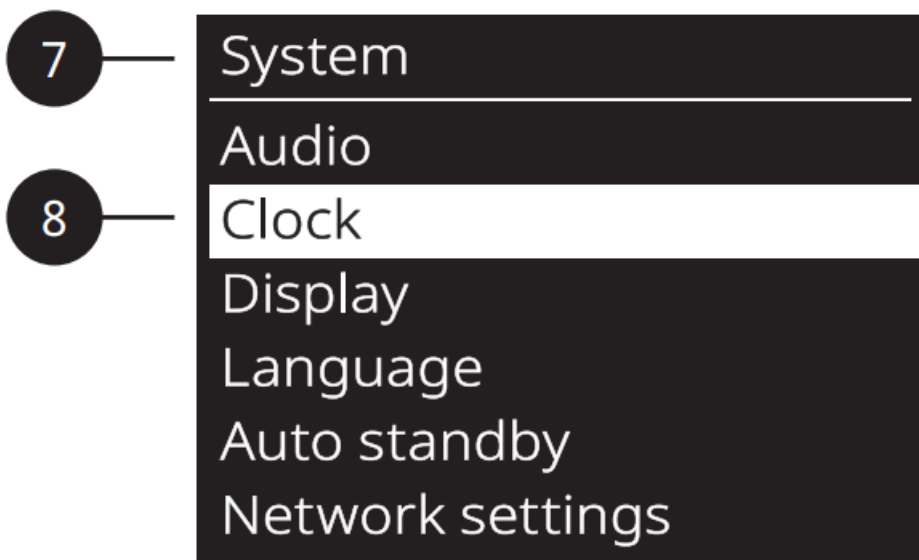
1. Source
2. Alarm icon
3. Station / track info
4. Status icons, eg wifi, track repeat/shuffle
5. Clock



6. Sleep timer icon

Menu screens

To change a setting, press MENU to display the list of available options, rotate the CONTROL KNOB to scroll through the list, and then press the knob to confirm your selection.



7. Menu title

8. Selected menu option

To change settings – press MENU

To scroll through options – rotate CONTROL KNOB

To select option – press CONTROL KNOB

To go back or exit – press MENU to go back to the previous screen until you get back to the Now Playing screen, or wait for a few seconds



Adjust volume

Rotate the CONTROL KNOB from any Now Playing screen.

Speaker volume and headphone volume are adjusted separately.

Please note that rotating the CONTROL KNOB when a menu or station list is displayed will scroll through the options or stations and not change the volume.



Change audio source

Press SOURCE to view the current source, rotate the CONTROL KNOB or press  or  to scroll through the available sources, then press the CONTROL KNOB to select one. (You can also press SOURCE repeatedly to cycle through the list of sources.)



Change Internet radio station

Press MENU, select Last listened or Station list and select a station.

Change DAB radio station

Press  or  to tune to the next or previous station or press MENU, select Station list and select a station.

Change FM radio station

Press  or  to seek the next or previous station.

Save preset

You can save 8 presets in DAB, FM, Internet radio, Spotify, Amazon Music and Deezer.

Press and hold PRESET for two seconds and select a preset to save the station, track or playlist.

Empty presets are marked as "[Not set]".

If you save a new preset over an existing preset, the new one will replace it.

Recall preset

Press PRESET, and select a preset station, track or playlist.

Connect a Bluetooth device

Your R2 will attempt to automatically connect to the last connected device. If you have not yet paired your device or the previous device is not available, your R2 will enter into pairing mode. See Bluetooth section for more details.

Station or track information

MENU > Info

Select the type of station / track information shown.

Bass and treble

MENU > System > Audio > Bass or Treble Adjust the bass and treble levels to best suit your room and personal taste.

Loudness

MENU > System > Audio > Loudness Loudness automatically boosts the treble and bass frequencies at lower volumes.

Display brightness

MENU > System > Display

Adjust the display brightness when the radio is on and in standby.

In standby, press  to decrease display brightness, or  to increase it.

Please note that the brightness also automatically adjusts according to ambient light conditions.

Date and time

MENU > System > Clock

Select the time and date formats and whether the clock is updated automatically from network, DAB, FM, or set

manually.

Please note that FM time and date synchronisation may not be available on some stations in your region.

Language

MENU > System > Language

Change the user interface language.

If you accidentally select the incorrect language you can factory reset your radio by pressing and holding the standby key for 10.

Auto standby

MENU > System > Auto standby

Change how long before your R2 automatically goes into standby if there is no audio.

Factory reset

MENU > System > Reset system

Resets all settings and clears presets.

Network settings

MENU > System > Network settings

Access network settings including the network wizard to help you connect to a new Wi-Fi network.

Please note that MENU > System > Audio > Bass means press MENU, select System, select Audio and finally select Bass.

Alarms, Snooze And Sleep

Press ALARM, select Alarm 1, Alarm 2 or sleep timer and follow the on-screen instructions to set an alarm or timer.

Setting an alarm

ALARM > Alarm 1 or Alarm 2.

The Enable option allows you to set an alarm Off, Daily, Once, Weekends or Weekdays.

Follow the on-screen instructions to set the time, source (Buzzer, Internet radio, DAB or FM) and volume.

An active alarm is indicated by the alarm icon which then flashes when the alarm sounds.

Snooze

Press the CONTROL KNOB to temporarily silence a sounding alarm, press it again to increase the snooze period (5, 10, 15 or 30 minutes).

To cancel a sounding or snoozed alarm, press and hold the CONTROL KNOB for two seconds, or press ALARM or STANDBY.

Sleep timer

ALARM > Sleep timer or press and hold ALARM Set the time after which your R2 will automatically switch to standby.

Choose the delay in minutes (Off, 15, 30, 45, 60) and press the CONTROL KNOB to confirm your selection.

The display then returns to the Now-playing screen and displays the sleep icon.

Press ALARM to turn alarms on or off when your radio is in standby.



Bluetooth

Your R2 radio is Bluetooth enabled and can receive audio streamed from a Bluetooth smartphone, tablet or laptop.

Connect your Bluetooth device

Change source to Bluetooth, your R2 will show “Connecting...”, the indicator light on the dial will flash and your R2 will attempt to connect to the last connected device.

If it cannot connect to the last connected device, it will show “Discoverable as R2”.


If you do not connect within a few minutes, your R2 will stop attempting to connect and show “No connection”.

Play audio



Once connected, audio from your Bluetooth device will play through your R2. For more information on playing audio from your Bluetooth device, refer to your device’s documentation.

Please note that you may need to select Ruark R2 or Bluetooth as the audio output on your device.

Pause track

Press  and then press again to play

Skip track

Press  or  to skip to the next or previous track.

Now Playing information

MENU > Info

Artist, album and track name will show if your Bluetooth device and app support Bluetooth metadata. You can also show the name of the connected device.

Operating range

This is typically up to 10 metres from your R2, although obstructions such as walls may reduce this.

Adjust volume

Adjusting the volume on your Bluetooth device will automatically change the volume on your R2.

Connect a different device

MENU > Connect device

Select New or select one of the existing devices in the pairing list.

You can pair up to 8 devices, although you will only be able to play audio from one device at a time.

Clear paired devices list

MENU > Forget devices

Clearing the paired devices list removes all remembered devices and allows you to start a new list by connecting the ones you want remembered.

Friendly name

You can change the device name of your R2 to something more descriptive like “Ozzie’s R2”, so then it will show on Bluetooth searches and networks as “Ozzie’s R2”.

You can do this from the companion app UNDOK. www.ruarkaudio.com/app

Troubleshooting

Ensure the Bluetooth function on your device is on, and select “Ruark R2” from the list of available devices. It may take a few seconds for your R2 to appear in the list on your device, and in some cases you may need to input “0000” as the pairing password.

If you are having trouble connecting your Bluetooth device, we recommend you clear the paired devices list. You will also need to delete “Ruark R2” from the paired devices list on your Bluetooth device before pairing it to your R2 again. For more information, refer to your Bluetooth device’s documentation.



For help with using Bluetooth, please visit www.ruarkaudio.com/support

You cannot use the Bluetooth function on your R2 to connect to Bluetooth headphones.

DAB Radio

The first time you use DAB on your R2, or if the DAB station list is empty, it will automatically perform a station scan to create a list of available stations.

Change station

Press  or  to tune to the next or previous station.

You can also select a station from the station list by selecting MENU > Station list.

DAB radio text (DLS)

MENU > Info

Select what programme information is shown.

Save preset

You can store 8 DAB stations in your preset list. See ‘Common functions’ section.

For optimal reception, fully extend the aerial and adjust its position.

Recall preset

See ‘Common functions’ section.



Station scan

MENU > Scan

We recommend you periodically update the station list with a station scan. If the station list is empty the radio will automatically perform a station scan as soon as you switch to DAB.

FM Radio

Change station

Press  or  to seek the next or previous station.

The station frequency is normally replaced by the station name a few seconds after tuning into an FM station.

FM radio text (RDS/RBDS)

MENU > Info

Select what programme information is shown.

Save preset

See ‘Common functions’ section.

If RDS data is not available, your R2 will store the frequency instead of the station name in the preset list.

Recall preset

See 'Common functions' section.

FM sensitivity

MENU > FM sensitivity

Select Strong stations only to only tune to strong stations with good reception.

Mono only

MENU > Mono only

Set FM playback to mono to reduce hiss during FM playback.

Manual tune

MENU > Manual tune

Select manual tune, rotate the CONTROL KNOB to change the frequency and press it to exit manual tuning.

Line In

Listen to an external audio device using a 3.5mm stereo jack cable connected to the Line in socket on the back of your R2.

Input level

MENU > Input level

Adjust the input level and choose the highest level that does not distort – if it distorts, turn down the input level.




1. Devices with high output level, eg CD some players
2. Most devices
3. Devices with low output, eg some smartphones
4. Devices with unusually low output.

If your external audio source has a volume control you may need to adjust it for best performance. If it's too high the sound may distort; if it's too low the playback volume may be too low and lack bass.

USB

Your R2 plays MP3 audio tracks stored on a USB C flash drive. Plug it into the USB socket on the back and change the source to USB.

Select Browse to view the tracks stored on your flash drive and select one to start playback.

Press  or  to skip to the previous or next track and press  to pause playback or restart a track.

Press and hold  or  to fast forward or fast rewind a track.

If a USB flash drive is not detected, it will show "No USB device found".

Your USB flash drive must be formatted as FAT32.

NTFS, exFAT, or other formats are not supported.

Your R2 has a 5W, 1.0A USB power output and will charge most devices but it may not charge devices that require more than 5W.

Headphones

Connect your headphones to the 3.5mm stereo jack socket on the back of your R2.

Headphone volume is adjusted independently from the speaker volume.

Optional Remote Control

Compact remote control that also gives you 4 direct select preset station keys.
Contact your local Ruark dealer or see www.ruarkaudio.com for more details.

Safety Information

- Read this user guide and follow all instructions, it will help you set up and operate your product properly.
- Heed all warnings and keep this user guide for future reference.
- Do not attempt to use a damaged device as this could result in a dangerous electric shock.
- Do not open the unit or remove any panels to expose the electronics.
No user serviceable parts inside.
- Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, such as when any power cord, or power plug is damaged, liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, does not operate normally, or has been dropped.
- This device is intended to be operated ONLY from the AC voltages listed on the back panel or included AC mains adapter. Operation from voltages other than those indicated may cause irreversible damage to the device and void the product warranty.
- Ensure that the mains plug or mains connector into the unit is readily accessible in case disconnection from the mains is required.
- The AC mains adapter, mains plug, or mains connector must be removed from the socket to completely disconnect the system from AC mains power.
- Do not place any naked flame sources, such as lighted candles, on or near the device. Do not install near any heat sources such as radiators, stoves, or other devices that produce heat.
- Avoid exposure to extreme heat or cold.
- Only use attachments/accessories specified for this device. Make no modifications to the system or accessories. Unauthorised alterations may compromise safety, regulatory compliance, and system performance.
- Only use the supplied aerial or an approved replacement.
- To reduce the risk of fire or electrical shock, do not expose the device to rain or moisture. Do not expose this device to dripping or splashing, and do not place objects filled with liquids, such as vases, on or near the device. As with any electronic products, use care not to spill liquids into any part of the system. Liquids can cause a failure and/or a fire hazard.
- Disconnect this device from AC mains power during lightning storms or when unused for long periods of time to prevent damage to this device.
- To prevent risk of fire or electric shock, avoid overloading AC mains power outlets or extension cords.
- Long-term exposure to loud music may cause hearing damage. It is best to avoid extreme volume when using headphones, especially for extended periods.
- Do not install this device in a confined space. Always leave a space of at least 10cm around the device for ventilation and ensure that curtains or other objects never cover ventilation openings on the device.

Regulatory Information



— This device is labelled in accordance with European Directive 2012/19/EU concerning waste electrical and electronic equipment. This symbol indicates that the product or associated batteries should not be disposed of as general household waste.

As with any electrical equipment, please dispose of it according to local regulations.



CE COMPLIANCE INFORMATION

This product conforms to all EU Directive requirements as applicable by law. Hereby, Ruark Audio, declares that this device complies with the essential requirements and other relevant provisions of the European Radio Equipment Directive 2014/53/EU. You can download the full CE Declaration of Conformity at

www.ruarkaudio.com/doc/R2mk4doc.pdf



UK CONFORMITY ASSESSMENT INFORMATION

This product conforms to all UK Conformity Assessment regulations as applicable by law. You can download the full UKCA Declaration of Conformity at www.ruarkaudio.com/doc/R2mk4UKCA.pdf

Guarantee

Register your product to get an extended three-year guarantee. As standard, this product is guaranteed to be free from defects for a period of two years from date of purchase, but this is extended to three years if you register your product at www.ruarkaudio.com.

This guarantee remains valid providing this product has been treated with due care and attention. Product failure through accidental damage, excessive wear and tear, negligence or unauthorised modification will void this guarantee.

If this product was purchased in the UK and it develops a fault, please contact the retailer from which it was purchased, or contact us directly via our website www.ruarkaudio.com/support.

For products purchased outside the UK the distributor in the country of purchase guarantees the product. For details, please contact the local Ruark distributor or outlet.

If returning this product, please ensure it is packed in its original packaging and a proof of purchase is included.

This guarantee in no way varies or removes the purchaser's statutory rights.

Errors and omissions excepted.

General Care

- Clean with a soft, lint-free duster or slightly dampened cloth. Do not use wax sprays or other substances as these may damage the surface finish or impair performance.
- Do not expose your unit to direct sunlight, high humidity, dust, excessive vibration or extreme temperatures, all of which can affect the finish, performance and reliability of the unit.
- Recommended operating temp. range is 5°C to 40°C.
- Natural wood finishes will vary and lighten or darken with age, particularly when exposed to sunlight.

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Bluetooth® and associated logos are registered trademarks owned by Bluetooth SIG, Inc.

The Spotify Software is subject to third party licenses:

Customer Support

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www.ruarkaudio.com



Documents / Resources

	ruarkaudio R2 MK4 Smart Tabletop Radio [pdf] User Guide R2 MK4 Smart Tabletop Radio, R2 MK4, Smart Tabletop Radio, Tabletop Radio, Radio
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References

- [Deezer plans | Compare Deezer's offer prices](#)
- [Spotify - Connect](#)
- [Amazon.com](#)
- [Ruark Audio - Award-Winning DAB Radios and Sound Systems](#)
- [UNDOK for Ruark network connected products](#)
- [Ruark Audio – Customer Services](#)
- [Third Party Licenses | Spotify for Developers](#)