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› [ROYAL AUDIO](#) /

› ROYAL AUDIO RAS01 Wireless Portable Bluetooth Speaker User Manual

ROYAL AUDIO RAS01

RAS01 Wireless Portable Bluetooth Speaker

USER MANUAL

1. Introduction

Thank you for purchasing the ROYAL AUDIO RAS01 Wireless Portable Bluetooth Speaker. This manual provides essential information for setting up, operating, and maintaining your speaker. Please read it thoroughly before use to ensure optimal performance and longevity of your device.



Figure 1: ROYAL AUDIO RAS01 Wireless Portable Bluetooth Speaker (Black)

2. Product Overview

2.1 Key Features

- **Loud and Clear Stereo Sound with Extra Bass:** Features Bassboom technology for rich, deep sound and powerful volume.
- **Seamless TWS Pairing:** Connect two RAS01 speakers for a true stereo experience.
- **8 Hours of Non-Stop Music:** Enjoy extended playtime on a single charge.
- **Water-Resistant (IPX5):** Splash-proof design, suitable for outdoor use.
- **Built-in RGB Lights:** Dynamic lighting to enhance your music experience.
- **FM Radio:** Integrated FM radio for tuning into your favorite stations.



Figure 2: Key Features and Ports of the RAS01 Speaker

2.2 Package Contents

Ensure all items are present in the package:

- RAS01 Wireless Portable Bluetooth Speaker
- Carry Strap
- USB Charging Cable (not explicitly listed but implied for Type C/USB port)
- User Manual (this document)

3. Setup

3.1 Charging the Speaker

1. Connect the USB charging cable to the Type-C port on the speaker.
2. Connect the other end of the cable to a USB power adapter (5V/1A recommended) or a computer's USB port.
3. The Power LED indicator will illuminate during charging. It will turn off or change color (refer to specific model behavior) when fully charged.
4. A full charge typically takes approximately 3-4 hours.

3.2 Powering On/Off

- **To Power On:** Press and hold the Power button () for 2-3 seconds until you hear an audible prompt and the indicator lights turn on.
- **To Power Off:** Press and hold the Power button () again for 2-3 seconds until you hear an audible prompt and the indicator lights turn off.

4. Operating Instructions

4.1 Button Functions





Figure 3: Control Panel and Buttons

Button	Short Press	Long Press
(Power)	N/A	Power On/Off
M (Mode)	Switch Modes (Bluetooth/FM/AUX)	N/A
▶ (Play/Pause)	Play/Pause music; Answer/End call	Reject call; Initiate TWS pairing (in Bluetooth mode)
+ (Volume Up)	Volume Up	Next Track (in Bluetooth mode); Next Station (in FM mode)
- (Volume Down)	Volume Down	Previous Track (in Bluetooth mode); Previous Station (in FM mode)

4.2 Bluetooth Pairing

1. Power on the speaker. It will automatically enter Bluetooth pairing mode, indicated by a flashing LED light and an audible prompt.
2. Enable Bluetooth on your smartphone, tablet, or other Bluetooth-enabled device.
3. Search for available devices and select "RAS01" from the list.
4. Once connected, the LED indicator will become solid, and you will hear a confirmation sound.
5. The speaker will automatically reconnect to the last paired device when powered on, if within range.

4.3 TWS Pairing (True Wireless Stereo)

To achieve a true stereo sound experience, you can pair two RAS01 speakers together:

1. Ensure both RAS01 speakers are powered on and not connected to any Bluetooth device.
2. On one of the speakers (this will be the primary speaker), long press the Play/Pause button (▶||) until you hear a TWS pairing prompt.
3. The two speakers will automatically search for and connect to each other. Once paired, you will hear a confirmation sound.
4. Now, connect your Bluetooth device to the primary speaker (the one you initiated TWS pairing on) as described in section 4.2.
5. Audio will now play in stereo through both speakers.

4.4 FM Radio Operation

1. Power on the speaker.
2. Press the Mode button (M) repeatedly until you enter FM Radio mode. You will hear static or a radio frequency.
3. To auto-scan and save available stations, long press the Play/Pause button (▶||). The speaker will scan and store stations automatically.
4. To switch between saved stations, long press the Volume Up (⬆) or Volume Down (⬇) buttons.
5. For better reception, ensure the speaker is in an open area.

4.5 RGB Lights Control

The RAS01 speaker features dynamic RGB lighting:

- The RGB lights typically activate automatically when the speaker is powered on.
- To cycle through different light modes or turn the lights off/on, refer to the specific button combination in your speaker's quick start guide, as this function is often integrated with a short press of the power or mode button, or a dedicated light button if present (not explicitly detailed in provided data).



Figure 4: RAS01 Speaker with RGB Lighting Active

5. Maintenance

Proper care ensures the longevity of your RAS01 speaker:

- **Cleaning:** Use a soft, dry cloth to wipe the speaker's surface. Do not use abrasive cleaners, alcohol, or chemical solvents.
- **Water Resistance:** The speaker has an IPX5 rating, meaning it is protected against low-pressure water jets from any direction. Do not immerse the speaker in water or expose it to heavy rain. Ensure the charging port cover is securely closed when near water.

FEATURES

Experience bold sound with vibrant RGB glow.

Type C

USB

Line In

Power LED

Hanging Strap!

8 Hours Playback

Bluetooth 5.3

10 RMS Output

Figure 5: IPX5 Water Resistance Demonstration

- **Storage:** Store the speaker in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To preserve battery life, charge the speaker fully before first use and at least once every three months if not used regularly. Avoid completely draining the battery frequently.

6. Troubleshooting

If you encounter issues with your RAS01 speaker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Speaker does not power on.	Low battery; Power button not pressed correctly.	Charge the speaker fully. Press and hold the Power button for 2-3 seconds.
No sound.	Volume too low; Not paired correctly; Wrong mode selected.	Increase speaker and device volume. Re-pair Bluetooth. Press Mode button to select correct input.
Bluetooth pairing fails.	Speaker not in pairing mode; Device Bluetooth off; Too far from device.	Ensure speaker is in pairing mode (flashing LED). Turn device Bluetooth off/on. Move speaker closer to device (within 10m/33ft).
TWS pairing fails.	Speakers already paired to a device; Incorrect TWS pairing procedure.	Ensure both speakers are disconnected from any Bluetooth device. Follow TWS pairing steps precisely (Section 4.3).
Poor FM radio reception.	Weak signal; Obstructions.	Move speaker to an open area. Try auto-scanning again.

7. Specifications

Detailed technical specifications for the RAS01 speaker:

Feature	Detail
Model Name	RAS01
Speaker Type	Portable Speaker
Connectivity Technology	Bluetooth
Bluetooth Version	5.3 (from image)
Speaker Maximum Output Power	13 Watts (RMS)
Special Features	Bassboom Technology, Bass Boost, FM Radio, Portable, USB Port, RGB Lights, IPX5 Waterproof
Battery Life	Up to 8 Hours Playback
Water Resistance Rating	IPX5
Product Dimensions (D x W x H)	8"D x 3"W x 3"H (approx. 10.5"H x 5"D from image)

Feature	Detail
Item Weight	1.93 pounds
Included Components	Carry Strap

5" in

10.5" in



CONNECTIVITY

Seamless Pairing Across All Devices



iOS Android Windows



iPhone Tab Laptop

AVAILABLE COLOR



Green Blue Black

Figure 6: Dimensions and Connectivity

8. Warranty and Support

ROYAL AUDIO products are manufactured to high-quality standards. For warranty information, technical support, or customer service inquiries, please refer to the contact details provided on the product packaging or the official ROYAL AUDIO website. Please retain your proof of purchase for any warranty claims.

