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Rockville RPG8

Rockville RPG8 400W 8" Powered PA Speaker Instruction Manual

Model: RPG8 | Brand: Rockville

INTRODUCTION

The Rockville RPG8 is an 8" powered PA speaker designed for sound clarity, durability, and flexible setup. It features 400 watts of peak power from a high-performance linear Class AB amplifier, delivering deep bass through its 8" woofer and crisp highs from a 1.35" Japanese-made pure titanium diaphragm compression driver. This 2-way system includes a built-in 2-band EQ for tonal adjustments and advanced connectivity options.

Key features include:

- **Powerful Sound:** 400 watts peak with an 8" woofer and 1.35" titanium diaphragm compression driver for clear, full-range audio.
- **Versatile Connectivity:** Includes XLR and 1/4" Mic/Line inputs, RCA and XLR line inputs with separate gain controls, and 1/4" balanced output.
- **Professional Build:** Linear Class AB amplifier with clip limiter and LED indicators for clean, high-output sound.
- **Flexible Setup Options:** Flyable with M8 threading and stand-mountable with 35mm pole socket for various event configurations.
- **Road-Ready Design:** Lightweight trapezoidal ABS cabinet with rugged construction.

SETUP

Unboxing

Carefully remove the speaker and all accessories from the packaging. Inspect for any damage. The package should include the RPG8 speaker, a power cable, and an owner's manual.



Image: Rockville RPG8 speaker with included power cable and owner's manual.

Physical Placement

The RPG8 speaker offers multiple placement options:

- **Table/Surface Placement:** The rubber feet on the bottom allow stable placement on any flat surface.
- **Monitor Wedge:** The curved sides enable the speaker to be used as a monitor wedge on the floor or stage. An attachable stand can be used for better support in this configuration.
- **Pole Mount:** A 35mm pole mount socket is located on the bottom for mounting onto a speaker stand.



Image: Angled front view of the Rockville RPG8 speaker, showcasing its trapezoidal design suitable for various placements.

Power Connection

Connect the included power cable to the speaker's power input and then to a wall outlet. Ensure the voltage selector switch (115V/230V) is set correctly for your region before powering on the unit. For the US, use 115V.



Image: Rear panel of the Rockville RPG8, highlighting the power input and voltage selector switch.

Input Connections

The RPG8 offers various input options:

- **Microphone Input:** Use an XLR or 1/4" cable to connect a microphone to the 'MIC IN BAL' input.
- **Line Input:** Use RCA or XLR cables to connect line-level audio sources (e.g., mixer, media player) to the 'LINE IN' inputs.



Image: Close-up of the Rockville RPG8 rear panel, detailing the microphone and line input sections with their respective controls.

Output Connections (Linking Speakers)

To link multiple speakers, use the 'LINE OUT BAL' XLR or 1/4" output. Connect this output from the first speaker to a 'LINE IN' input on the next speaker. This allows you to expand your sound system.

Your browser does not support the video tag.

Video: Official Rockville guide on how to set up RPG series speakers, including power, inputs, and linking multiple units.

OPERATING

Volume and Gain Controls

Before connecting any audio source, ensure all volume and gain knobs are set to their minimum position to prevent sudden loud noises. Adjust the 'VOL' knob for microphone input, 'GAIN' for line input, and 'MASTER' for overall output volume to your desired levels.

2-Band EQ (Treble/Bass)

The built-in 2-band equalizer allows you to adjust the tonal characteristics of your audio. Use the 'TREBLE' knob to boost or cut high frequencies and the 'BASS' knob to adjust low frequencies. Remember that these adjustments affect all audio passing through the speaker.

Limiter and Power Indicators

The rear panel features 'LIMIT' and 'POWER' LED indicators. The green 'POWER' LED illuminates when the speaker is turned on. The red 'LIMIT' LED indicates that the speaker is reaching its peak volume or experiencing distortion. If the 'LIMIT' LED illuminates frequently, reduce the volume, gain, or master volume to prevent damage and maintain sound quality.

Voltage Selector

The voltage selector switch allows you to choose between 115V and 230V operation. This is crucial for matching the speaker to the local power supply. Always ensure this is set correctly before connecting power.

MAINTENANCE

To ensure the longevity and optimal performance of your Rockville RPG8 speaker, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the speaker. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the finish.
- **Ventilation:** Ensure that the amplifier's heat sinks (the red fins on the rear panel) are not obstructed. Proper ventilation is crucial to prevent overheating.
- **Storage:** When not in use, store the speaker in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Always use the ergonomically shaped handle for carrying. Avoid dropping the speaker or subjecting it to harsh impacts.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected or faulty.	Ensure power cable is securely connected to speaker and outlet. Check outlet for power.
No sound output	Volume/gain knobs too low; input source not connected or faulty; faulty cable.	Increase volume/gain. Check input source and cables. Test with a different source/cable.
Distorted sound / LIMIT LED on	Input signal too high; volume/gain too high.	Reduce input signal level, volume, or gain until LIMIT LED is off or flashes minimally.

Problem	Possible Cause	Solution
Humming or buzzing noise	Ground loop; faulty cables; interference.	Use balanced cables (XLR, TRS). Ensure all equipment is properly grounded. Try different power outlets.

SPECIFICATIONS

- **Model:** RPG8
- **Power Output:** 400 Watts Peak
- **Woofers:** 8" with 2" aluminum voice coil
- **Tweeter:** 1.35" Japanese-made pure titanium diaphragm compression driver
- **Amplifier Type:** Linear Class AB
- **Frequency Response:** 50Hz-20kHz
- **Maximum SPL:** 119dB peak
- **Inputs:** XLR, 1/4" Mic/Line, RCA, XLR Line
- **Outputs:** Balanced 1/4"
- **Enclosure Material:** ABS
- **Mounting Options:** Flyable (M8 threading), 35mm pole mount socket, floor monitor
- **Dimensions:** 14 x 11.5 x 9 inches
- **Item Weight:** 18.21 pounds

WARRANTY

Rockville products are designed for reliability and performance. This product is covered by a manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included with your product for specific terms and conditions, or visit the Rockville website for more details.

SUPPORT

For technical assistance, troubleshooting, or customer service inquiries regarding your Rockville RPG8 speaker, please contact Rockville customer support. You can find contact information (phone number, email, or website) in your product's owner's manual or on the official Rockville Audio website.