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- › [RYOBI](#) /
- › [Ryobi RB102G Orbital Buffer Instruction Manual](#)

RYOBI RB102G

Ryobi RB102G Orbital Buffer Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Ryobi RB102G Orbital Buffer. Please read this manual thoroughly before first use and retain it for future reference.

Key Features:

- **Powerful Motor:** Delivers up to 3,200 random orbits per minute for efficient buffing.
- **Ergonomic Design:** Features a circular handle for comfortable and versatile gripping during use.
- **Convenient Power Switch:** An easily accessible on/off switch for quick operation.
- **Extended Reach:** Equipped with a 6-foot cord to facilitate work on larger surfaces.
- **Included Accessories:** Comes with two buffing pads (one applicator, one buffing) for immediate use.

SETUP

Before operating the Ryobi RB102G Orbital Buffer, ensure proper setup to guarantee safety and optimal performance.

1. Attaching Buffing Pads

The buffer comes with two types of pads: an applicator pad and a buffing pad. Select the appropriate pad for your task.

1. Ensure the buffer is unplugged from the power source.
2. Align the chosen buffing pad with the buffer's base.
3. Stretch the elastic band of the pad over the buffer's base until it is securely fitted and centered.



Image: Two buffing pads, one applicator and one buffing, ready for attachment to the orbital buffer.



Image: The Ryobi RB102G Orbital Buffer with a white buffing pad securely attached to its base.

2. Power Connection

The Ryobi RB102G is a corded electric buffer. Connect it to a suitable power outlet.

1. Ensure the power switch on the buffer is in the "OFF" position.
2. Plug the 6-foot power cord into a standard 120V AC electrical outlet.
3. Verify that the cord is not tangled or obstructing your work area.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your orbital buffer.

1. Preparing the Surface

- Clean the surface to be buffed thoroughly to remove dirt, dust, and debris.

- Apply a small amount of wax or polish directly to the buffing pad or the surface, as recommended by the wax/polish manufacturer. Avoid over-applying.

2. Starting the Buffer

1. Hold the buffer firmly with both hands using the circular handle.
2. Place the buffing pad flat against the surface before turning the tool on.
3. Slide the on/off switch to the "ON" position. The buffer will immediately begin operating at its full speed of 3,200 OPM.



Image: A close-up top view of the Ryobi RB102G Orbital Buffer, highlighting the easily accessible on/off switch located on the handle.

3. Buffing Technique

- Move the buffer in a slow, overlapping motion across the surface.
- Apply light, even pressure. Do not press down excessively, as this can hinder the orbital action and potentially damage the surface or the tool.

- Work in small sections to ensure thorough and even application/buffing.
- For best results, allow the buffer to do the work. The random orbital action is designed to prevent swirl marks.

4. Finishing

1. Once the desired finish is achieved, slide the on/off switch to the "OFF" position.
2. Lift the buffer from the surface only after the pad has stopped rotating.
3. Wipe off any excess wax or polish with a clean, soft cloth.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ryobi RB102G Orbital Buffer.

1. Cleaning the Buffer

- Always unplug the buffer before cleaning.
- Wipe the exterior of the buffer with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure no moisture enters the motor housing or electrical components.

2. Pad Care

- Remove buffing pads after each use.
- Wash pads with mild soap and water, then rinse thoroughly.
- Allow pads to air dry completely before storing or reusing.
- Replace pads when they become worn, torn, or no longer effectively hold polish/wax.

3. Storage

- Store the buffer in a clean, dry place, away from direct sunlight and extreme temperatures.
- Keep out of reach of children.
- Coil the power cord neatly to prevent damage.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Buffer does not start.	No power supply.	Check if the power cord is securely plugged into a live outlet. Ensure the outlet is functional.
Buffer stops during operation.	Overload or power interruption.	Reduce pressure on the buffer. Check power connection. Allow the tool to cool down if it overheated.
Poor buffing results (e.g., swirl marks).	Incorrect technique or worn pad.	Apply lighter, even pressure. Move in overlapping motions. Replace worn or dirty buffing pads.
Excessive vibration.	Pad not centered or damaged.	Ensure the buffing pad is securely and centrally attached. Inspect the pad for damage and replace if necessary.

SPECIFICATIONS

Technical details for the Ryobi RB102G Orbital Buffer.

Feature	Detail
Model Number	RB102G
Brand	RYOBI
Power Source	Corded Electric
Amperage	0.75 Amps
Speed	3200 OPM (Orbits Per Minute)
Cord Length	6 Feet
Included Components	Orbital Buffer, 2 Buffing Pads (1 applicator, 1 buffing)
Material	Metal, Plastic
Item Weight	5.5 Pounds

WARRANTY AND SUPPORT

Specific warranty details are typically provided with the product packaging or can be found on the manufacturer's official website. For technical support, replacement parts, or warranty claims, please contact Ryobi customer service directly. Visit the official [Ryobi website](#) for the most up-to-date information and support resources.