



## 5" Lithium-Ion Random Orbital

*Perfect for paint protection anytime, anywhere.*



### USER MANUAL & CARE INSTRUCTIONS



**Please carefully read, understand, and follow all safety information in this manual prior to and during use of this tool. Keep these instructions handy for future reference.**

As lifelong car lovers we're always seeking tools that make it easier to produce a flawless finish... That's why we design our own Random Orbitals. The Griot's Garage® 5" Lithium-Ion Random Orbital cuts the cord and allows you to take your waxing on the road... even if it's just down the driveway. Designed for paint perfecting, your 5" Lithium-Ion Random Orbital will produce a swirl-free finish when teamed with any of our polishes, all-in-ones, waxes, or sealants.

#### **INTENDED USE:**

**⚠ WARNING:** The 5" Lithium-Ion Random Orbital is intended for use as a paint polisher for automotive, marine, and RV vehicles, as well as household surfaces like glass, porcelain, and suitable composite surfaces. Use in any other application has not been evaluated by Griot's Garage and may lead to an unsafe condition. This machine is NOT intended for sanding or grinding purposes.

**⚠ CAUTION:** Before attempting to use your orbital, familiarize yourself with all operating features and safety requirements. Pay attention to the Useful Information for Safe Operation, Warnings, and Cautions. If you use your Random Orbital properly and only for what it is intended, you will enjoy years of safe, reliable service.

*Have fun in your garage!®*

## POWER SWITCH

The power switch is located on the palm grip of the orbital on the opposite side of the battery pack. This single-pole switch requires the user to depress switch on the right side to turn the unit on or off.

## INSTALLING & REMOVING BATTERY PACK

To remove the battery pack, push the Battery Release Buttons on both sides of the battery pack and pull the battery pack from the tool in an outward direction. To insert the battery pack, align the tool unit slides with the battery pack sliding groove and push the battery pack into place. Do not force the battery pack into the tool. If the battery pack does not slide in easily, it is not being inserted correctly.

## CHARGING THE BATTERY PACK

Your new battery pack is not charged. You need to charge it before use. Plug the fast charger into a 110-volt power source. Slide the battery pack into the charger according to the arrow direction shown on the charger. Push the battery pack into place and make sure the red light on the charger is "ON." When the light turns a solid green, the battery is fully charged. Only use authorized Griot's Garage Lithium-Ion Battery (Item #10413 - Extra Lithium-Ion Battery). Use with any other battery may lead to property damage or personal injury.

**⚠ WARNING:** Avoid short circuiting the contacts. Avoid mechanical damage of the battery pack. Do not open or disassemble. Keep away from open flames, hot surfaces, and sources of ignition. Never burn or incinerate battery pack even if it's damaged, dead, or completely discharged.

## LED INDICATOR LIGHTS EXPLAINED



**Power On**  
(Green light flashes slowly)



**Battery Low**  
(Red light stays illuminated)



**Battery Charged 80%**  
(Green light flashes rapidly)



**Battery Charged 100%**  
(Green light stays illuminated)



**Battery Pack Temperature Alert**  
(Red light flashes slowly)



**Battery Pack Malfunction**  
(Red & Green lights stay illuminated)

## BATTERY PACK RECYCLING

Do not discard electric power tools or batteries into household waste receptacles! Separate collection of used products and packaging allows materials to be recycled. Use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials. In accordance with the European Directive 2002/96/EG on Waste Electrical and Electronic Equipment and transposition into national law, used electric power tools must be collected separately and recycled in an environmentally friendly manner.

## BACKING PLATE INSTALLATION (See illustration on back page)

Prior to installation, remove battery pack from tool. Use included flange wrench to hold the hexagonal nut. Align the polisher backing pad bolt thread with the thread hole on the eccentric wheel assembly. Use flange wrench to hold the hexagonal nut and stabilize the eccentric wheel assembly counterweight disc, spin the polisher backing pad in clockwise direction until tightened.

## INSTALLING 5.5" FOAM PADS

- Inspect polish and/or wax pad before installing.
- DO NOT use torn or worn-out pads.
- Remove your battery pack.
- Center pad on backing plate and press firmly around pad.

## ACHIEVE SUPERIOR RESULTS

Begin by thoroughly spreading selected product on pad face. Position the buffing pad on the paint surface, then start your orbital by toggling the on/off switch. Apply light to moderate pressure and work surface in a 2' x 2' crisscross pattern. Prior to removing pad from surface, turn machine off by toggling on/off switch. Reapply product as necessary to ensure smooth, even application.

Clean your pads after working each panel using a Griot's Garage Foam Pad Conditioning Brush (Item # 15548). Apply bristles to pad face using moderate pressure. Begin by turning the machine on, working the pad face back and forth allowing the pad to spin against the brush for 10 seconds. Turn tool off prior to releasing brush.

## USEFUL INFORMATION FOR SAFE OPERATION

Please follow the safety instructions below to avoid possible dangers. The safety symbols and the explanations with them require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.

### 1. Know Your Power Tool.

Read this owner's manual carefully. Learn the applications and limitations as well as the specific potential hazards related to this tool.

### 2. Avoid Dangerous Environments.

Don't use power tools or charger in damp/wet locations or expose to rain. Keep work area well lit.

### 3. Store Idle Tools.

When not in use, tools should be stored in a cool, dry place.

### 4. Dress Properly.

Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Also wear protective hair covering to contain long hair.

### 5. Warning: Always Wear Safety Glasses.

Everyday glasses are NOT safety glasses. Use ANSI Certified Z87.1 Eye Protection.

### 6. Protect Your Lungs.

Wear a NIOSH/OSHA certified dust mask if operation is dusty.

### 7. Warning: Protect Your Hearing.

Always Wear Certified Hearing Protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

### 8. Don't Overreach.

Keep proper footing and balance at all times. Do not use tool on a ladder or unstable support. Secure tools when working at elevated levels.

### 9. Remove Adjusting Keys And Wrenches.

Make a habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

### 10. Keep Handles Dry, Clean, And Free From Oil And Grease.

Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum based products or any strong solvents to clean your tool.

### 11. Check For Damaged Parts.

Before further use of the tool, a guard or any other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. Any part that is damaged should be properly repaired or replaced.

### 12. Be Clear Headed.

Do not operate this (or any) tool while under the influence of drugs, alcohol, or any medication.

### 13. Maintenance Safety.

Your orbital should never be connected to power supply when you are assembling parts, making adjustments, replacing pads, cleaning the unit, or when not in use.

## EXPLANATION OF SIGNAL WORD CONSEQUENCES



**WARNING:** Indicates a potentially hazardous situation which, if not avoided, may result in death or serious injury and/or property damage.



**CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury and/or property damage.



“Class II”  
Construction



**WARNING -**  
Hazardous Voltage



**Do Not Discard In**  
Household Waste



**Read And Follow**  
Use Instructions



**Wear Proper Eye**  
Protection



**Wear Respiratory**  
Protection



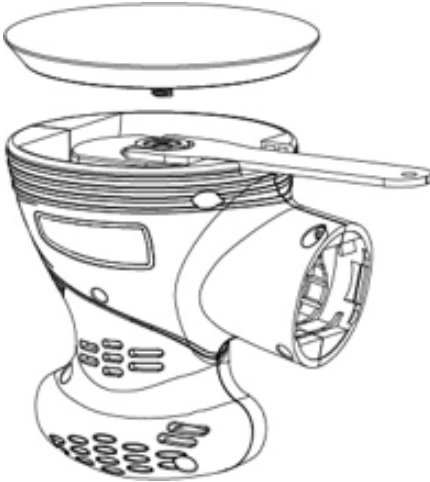
**Wear Gloves**



**Wear Proper**  
Hearing Protection

Your 5" Lithium-Ion Random Orbital has been engineered and manufactured to meet Griot's Garage's high standards for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of trouble-free performance.

### INSTALLING BACKING PLATE



### SPECIFICATIONS:

Power Supply — Lithium-Ion Battery,  
Voltage — 12V DC (Charge Time ≈ 1 Hour)  
Orbits / Minute — 3,500  
Pad System — 5"



### ANSWERS TO YOUR QUESTIONS

To order additional Griot's Garage® Random Orbital products, or for a complete selection of Griot's Garage products, please call us toll-free at **800-345-5789**, email us at [sales@griotsgarage.com](mailto:sales@griotsgarage.com), or visit us at [griotsgarage.com](http://griotsgarage.com)

***Have fun in your garage!®***

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