

## RUPES HLR15

# RUPES HLR15 BigFoot iBrid Random Orbital Cordless Polisher Standard Kit User Manual

Model: HLR15/CB2/STD

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your RUPES HLR15 BigFoot iBrid Random Orbital Cordless Polisher Standard Kit. Please read this manual thoroughly before using the product and retain it for future reference.

## 2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This tool is designed for professional use. Improper use can lead to serious injury or damage to the tool and workpiece.

- Wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and gloves.
- Ensure the work area is well-lit and free from obstructions.
- Keep children and bystanders away from the operating area.
- Do not operate the polisher in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always remove the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use only RUPES recommended accessories and replacement parts.
- Do not expose the tool or battery pack to rain or wet conditions.
- Charge batteries only with the specified charger.
- Do not incinerate battery packs, even if they are severely damaged. They can explode in a fire.

## 3. PACKAGE CONTENTS

The RUPES HLR15 BigFoot iBrid Random Orbital Cordless Polisher Standard Kit includes the following

items:

- RUPES HLR15 BigFoot iBrid Random Orbital Cordless Polisher
- Dual Battery Charger (Model: 9HC185LT)
- Two (2) 18V 5Ah Li-ion Rechargeable Batteries (Model: 9HB185LT)
- Instruction Manual



Image: RUPES HLR15 BigFoot iBrid Polisher Standard Kit showing the polisher, dual battery charger, and two 18V Li-ion batteries.

## 4. PRODUCT OVERVIEW

The RUPES HLR15 BigFoot iBrid Polisher is a cordless random orbital tool designed for precision polishing and buffing tasks. It features advanced technology for reduced noise and vibration, an efficient brushless motor, and an anti-spinning ring for consistent performance.

ENGINEERED FOR NOISE REDUCTION AND MINIMAL VIBRATIONS



## BIGFOOT iBRID POLISHER HLR15

With iBrid Technology

Image: Diagram highlighting key features of the RUPES HLR15 polisher, including new gear technology, in-runner brushless motor, new eccentric set, anti-spinning ring, LED indicator, and 18V Li-ion battery.

### Key Components:

- **In-Runner Brushless Motor:** Provides high efficiency and maximum power output (350W) with superior ventilation.
- **New Gear Technology:** Engineered to reduce noise levels and vibrations for enhanced stability and precision.
- **Anti-Spinning Ring:** Reduces friction and heat, ensuring smooth operation and consistent rotation.
- **18V Li-ion Battery:** 5 Ah capacity for prolonged operation.
- **Dual Charger:** Designed for fast charging, prioritizing the highest voltage battery.



Image: The RUPES HLR15 polisher with an 18V 5Ah Li-ion battery inserted, ready for use.



Image: The RUPES dual battery charger with two 18V Li-ion batteries inserted, indicating charging status.

## 5. SETUP

### 5.1. Battery Charging

1. Connect the dual battery charger to a suitable power outlet.
2. Insert the 18V Li-ion batteries into the charging slots. Ensure they are fully seated.
3. The charger's indicator lights will show the charging status. Refer to the charger's specific manual for detailed light indications.
4. Allow batteries to fully charge before first use.
5. Once charging is complete, remove the batteries from the charger.

### 5.2. Attaching the Backing Plate and Polishing Pad

The HLR15 uses RUPES PrecisionPro backing pads, designed for stability and control.



Image: Underside view of a RUPES backing plate, showing the hook-and-loop surface for attaching polishing pads.

1. Ensure the polisher is turned off and the battery is removed.
2. Align the backing plate with the spindle on the polisher.
3. Securely fasten the backing plate. Some models may require a wrench (not included) to tighten.
4. Attach the desired RUPES polishing pad to the hook-and-loop surface of the backing plate, ensuring it is centered and firmly pressed.



# NEW BACKING PADS PRECISIONPRO

## For iBrid Polishers

These revolutionary backing pads have been meticulously designed to take your polishing experience to the next level.

Without polyurethane, they not only bring durability to the forefront but also provide a lower center of gravity. This means enhanced stability during operation, allowing for greater control and precision in your work.

The rubber edge adds an extra layer of finesse to your polishing tasks, ensuring that even the most delicate surfaces are treated with care. What truly sets these backing pads apart is their ability to guarantee better balancing, even with different polishing pads.

This means you can effortlessly switch between various pads without compromising on performance or quality.

### LOWER CENTER OF GRAVITY

For superior stability and control

### RUBBER BORDER PROTECTION

For added surface protection and a smoother glide

### BALANCING VERSATILITY

Perfect balance with various polishing pads

Image: Diagram illustrating the features of RUPES PrecisionPro backing pads, including lower center of gravity, rubber border protection, and balancing versatility.

## 6. OPERATING INSTRUCTIONS

### 6.1. Powering On/Off

1. Insert a fully charged battery into the polisher until it clicks into place.
2. To turn on the polisher, press the power switch.
3. To turn off the polisher, release the power switch.

### 6.2. Speed Adjustment

The HLR15 features a speed control dial to adjust the rotations per minute (RPM) for various applications.



Image: Detail of the speed control dial on the RUPES HLR15 polisher, allowing users to select the desired operating speed.

1. Rotate the speed control dial to select the desired speed setting (typically 1-5 or 1-6).
2. Start with a lower speed for initial product spreading or delicate surfaces, and increase as needed for correction.

### 6.3. Polishing Techniques

For optimal results and to prevent damage, follow these general guidelines:

- Apply a small amount of polishing compound directly to the pad or workpiece.
- Place the pad flat on the surface before turning on the polisher.
- Move the polisher in a controlled, overlapping pattern, maintaining even pressure.
- Avoid excessive pressure, which can generate heat and reduce effectiveness.
- Regularly clean or replace polishing pads to maintain performance.
- Always work in a well-ventilated area.

## 7. MAINTENANCE

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### 7.1. Cleaning

- After each use, remove the battery and clean the polisher body with a soft, damp cloth.
- Remove and clean polishing pads thoroughly according to their specific instructions.
- Ensure all vents are clear of dust and debris to prevent overheating.
- Do not use harsh chemicals or abrasive cleaners.

### 7.2. Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not allow batteries to fully discharge for extended periods.
- Charge batteries regularly, even if not in use, to maintain their lifespan.
- If a battery is damaged or not holding a charge, dispose of it properly according to local regulations.

### 7.3. Storage

- Store the polisher, batteries, and charger in a clean, dry, and secure location, out of reach of children.
- Remove the battery from the polisher before storage.
- If storing for an extended period, ensure batteries are partially charged (around 50%) to preserve their

health.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Polisher does not turn on.	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted.
Reduced power or short run time.	Battery low or nearing end of life.	Recharge battery. If problem persists, consider replacing the battery.
Excessive vibration or noise.	Pad not centered, backing plate loose, or damaged component.	Check pad centering and backing plate tightness. Inspect for damage. If issues persist, contact RUPES support.
Polishing pad flies off.	Pad not securely attached, or hook-and-loop surface worn.	Ensure pad is firmly pressed and centered. Replace worn pads or backing plate.
Charger indicator lights not working.	Charger not plugged in, or faulty outlet/charger.	Check power connection. Try a different outlet. If still not working, charger may be faulty.

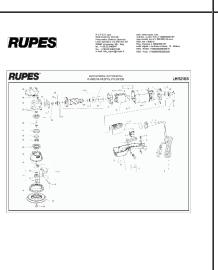
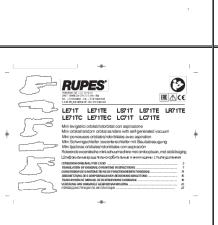
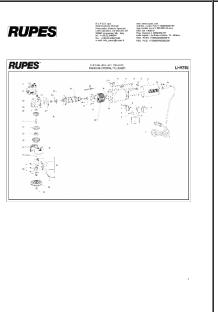
## 9. SPECIFICATIONS

Feature	Detail
Model	HLR15/CB2/STD
Power Source	Battery Powered
Battery Type	18V Li-ion, 5 Ah
Motor Type	In-Runner Brushless
Maximum Power	350 Watts
Speed	Up to 5000 RPM (Strokes/min)
Item Weight (Polisher only)	Approximately 12 pounds (total kit weight)
Product Dimensions	17.5"D x 9"W x 8.12"H
Material	Acrylonitrile Butadiene Styrene (ABS), Plastic
Color	Black

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official RUPES website. Keep your purchase receipt as proof of purchase. Official RUPES Website: [www.rupes.com](http://www.rupes.com)

## Related Documents - HLR15

 <p><b>RUPES HLR21 &amp; HLR15 Bigfoot Random Orbital Polishers Instruction Manual</b> Comprehensive instruction manual for RUPES HLR21 and HLR15 Bigfoot random orbital polishers, covering safety warnings, operating instructions, technical specifications, maintenance, and warranty information.</p>	
 <p><b>Manuale d'uso RUPES LHR21III &amp; LHR15III Lucidatrice Orbitale Casuale</b> Manuale d'uso ufficiale per le lucidatrici orbitali RUPES LHR21III e LHR15III Bigfoot. Include istruzioni operative, linee guida sulla sicurezza, specifiche tecniche, manutenzione e conformità.</p>	
 <p><b>RUPES BigFoot Polishing Systems: Innovation, Technology, Design</b> Explore the RUPES BigFoot polishing systems, featuring advanced iBrid technology, orbital and gear-driven polishers, and a comprehensive range of polishing pads and compounds for professional results.</p>	
 <p><b>RUPES LHR21ES Random Orbital Polisher - Parts List and Diagram</b> Detailed parts list and exploded view diagram for the RUPES LHR21ES Random Orbital Polisher, including component identification and descriptions.</p>	
 <p><b>RUPES Orbital and Random Orbital Sanders - Operating Manual and Technical Specifications</b> This document provides comprehensive operating instructions, safety guidelines, technical data, and maintenance information for RUPES orbital and random orbital sanders, including models LE71T, LE71TE, LS71T, LS71TE, LR71TE, LE71TC, LE71TEC, LC71T, and LC71TE.</p>	
 <p><b>RUPES LHR75E Random Orbital Polisher Parts List and Diagram</b> Exploded view diagram and comprehensive parts list for the RUPES LHR75E Random Orbital Polisher, detailing all components with their respective IDs and descriptions.</p>	

