

TROTEC 4450000101

TROTEC PPOS 10-20 V Cordless Random Orbital Polisher User Manual

Model: PPOS 10-20 V (4450000101)

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your TROTEC PPOS 10-20 V Cordless Random Orbital Polisher. Please read these instructions carefully before using the device and keep them for future reference. This polisher is designed for the care and renovation of various painted surfaces, including cars, boats, mobile homes, motorcycles, and furniture.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury and damage to the device.

- **General Safety:** Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.
- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves. Dress properly; do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. It will do the job better and safer at the rate for which it was designed. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use power tools

only with specifically designated battery packs.

3. PRODUCT COMPONENTS

The TROTEC PPOS 10-20 V Cordless Random Orbital Polisher comes with the following components:

- Cordless Random Orbital Polisher (PPOS 10-20 V)
- Flexpower 20 V 2.0 Ah Multi-battery
- Battery Charger
- Plush Polishing Hood
- Synthetic Polishing Hood



Figure 1: Overview of the TROTEC PPOS 10-20 V polisher, including the main unit, a 20V battery, a battery charger, and two types of polishing hoods (plush and synthetic).

4. SETUP

4.1. Charging the Battery

1. Insert the Flexpower 20 V 2.0 Ah multi-battery into the provided battery charger.
2. Connect the charger to a suitable power outlet.
3. Allow the battery to charge fully before first use. The charger's indicator light will typically show when charging is complete.

4.2. Attaching Polishing Hoods

1. Ensure the polisher is switched off and the battery is removed.
2. Place the desired polishing hood (plush or synthetic) over the polishing plate of the device. Ensure it is centered and securely fitted.



Figure 2: Top view of the polisher, showing the attachment area for the polishing hood and the power switch.

5. OPERATING INSTRUCTIONS

5.1. General Operation

1. Ensure the battery is fully charged and securely inserted into the polisher.
2. Apply a small amount of polishing compound evenly onto the surface to be polished or directly onto the polishing hood.
3. Place the polisher flat on the surface before switching it on.
4. Press the power switch to start the polisher.
5. Move the polisher slowly and evenly over the surface, applying light pressure. Avoid pressing too hard, as this can reduce effectiveness and potentially damage the surface.
6. After polishing, switch off the device before lifting it from the surface.



Figure 3: Proper two-hand grip for operating the polisher, ensuring control and stability.

5.2. Polishing Techniques

- For best results, work in small sections (e.g., 2x2 feet) at a time.
- Use overlapping passes to ensure even coverage.
- The random orbital motion helps prevent swirl marks, but consistent movement is still important.
- After applying polish, use a clean microfiber cloth to wipe off residue.



Figure 4: The polisher in action, demonstrating its effectiveness on a surface. The white polishing hood is visible.

6. MAINTENANCE

6.1. Cleaning the Polisher

- Always remove the battery before cleaning.
- Wipe the exterior of the polisher with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure no moisture enters the motor housing or battery compartment.

6.2. Caring for Polishing Hoods

- After each use, remove the polishing hoods from the device.
- Clean the hoods according to their material type. Plush and synthetic hoods can often be hand-washed with mild soap and water, then air-dried.
- Replace hoods when they become worn or no longer perform effectively.

6.3. Battery Care

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store the battery with a partial charge (around 50%).
- Do not expose the battery to water or excessive heat.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Polisher does not start.	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly seated in the device.
Reduced polishing performance.	Polishing hood is dirty or worn. Insufficient polishing compound.	Clean or replace the polishing hood. Apply more polishing compound as needed.
Excessive vibration or noise.	Polishing hood not centered. Loose components.	Re-center the polishing hood. Check for any loose parts and tighten if possible. If problem persists, contact support.
Battery drains quickly.	Battery not fully charged. Old or damaged battery.	Ensure battery is fully charged before use. Consider replacing the battery if it's old or shows signs of damage.

8. SPECIFICATIONS



Figure 5: Dimensions of the TROTEC PPOS 10-20 V Cordless Random Orbital Polisher.

Feature	Detail
Model Number	4450000101
Manufacturer	TROTEC
Voltage	20 Volts
Maximum Power	65 Watt
Speed	3000 rpm
Weight	2.8 Kilograms
Dimensions (L x W x H)	24.5 x 24.5 x 20.5 cm

Feature	Detail
Material	Metal
Color	Black
Power Source	Battery Powered
Included Components	Polisher, Flexpower Multi-battery, Charger, Plush Polishing Hood, Synthetic Polishing Hood

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official TROTEC website. If you encounter any issues not covered in this manual or require technical assistance, please contact TROTEC customer support.

TROTEC Customer Support: Please visit www.trotec.com for contact details and further assistance.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question