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› Etoolab 21MM Random Orbital Buffer Polisher User Manual

etoolab 12MM-OB-Polisher

Ettoolab 21MM Random Orbital Buffer Polisher User Manual

Model: 21MM-Random-Orbital-Polisher | Brand: etoolab

SAFETY INSTRUCTIONS

Read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the polisher.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.
- Do not overreach. Keep proper footing and balance at all times.
- Disconnect the plug from the power source and/or remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Dual Action Polisher x 1
- Wool Pad x 1
- Flat Foam Pad x 3
- Wave Foam Pad x 1
- Sandpaper x 5
- Side Handle x 1
- D-handle x 1
- Carbon Brush x 2
- Microfiber Towel x 1

- Allen Key x 1
- Storage Bag x 1



Image: Etoolab Dual Action Buffer Polisher with various pads, handles, and accessories.

PRODUCT OVERVIEW

Key Features:

- **Powerful 1200W Motor:** Provides constant power and speed for efficient removal of swirls, scratches, and imperfections.
- **6 Variable Speeds & Constant Speed Design:** Allows adjustment for different applications, from low-speed waxing to high-speed paint correction.
- **21MM Random Orbit Design:** Increases contact area for polishing, suitable for cars, boats, motorcycles, wood, and metal.
- **Ergonomic Design:** Features a rubberized body, D-handle, and side grips for comfortable, fatigue-reduced operation during long hours.

- **Porous Heat Dissipation:** High-quality heat dissipation material prevents motor damage from high temperatures, ensuring stable performance.



Image: Internal view highlighting the upgraded pure copper motor, 1000W power, 21mm dual action, and 4800 RPM max speed.

Super Torque Improves Efficiency



Image: Demonstrating the polisher's super torque for improved efficiency on a car's surface.

SETUP

1. **Attach Handle:** Choose between the D-handle or side handle for optimal comfort and control. Securely fasten it to the polisher using the provided Allen key.
2. **Attach Polishing Pad:** Select the appropriate polishing pad for your task (see "Operating Instructions" for guidance). Align the pad with the backing plate and firmly press it onto the Velcro surface until it is securely attached.
3. **Battery Installation (if cordless model):** Insert the fully charged battery pack into the battery slot until it clicks into place. Ensure it is seated correctly.



Image: Illustration of various ergonomic holding positions for the polisher, including the D-handle and side grip options.

OPERATING INSTRUCTIONS

1. Pad Selection:

Different pads are designed for specific tasks. Generally, thicker, firmer pads are used for cutting (removing heavy imperfections), while softer, lighter pads are for polishing and finishing.

- **Cutting Pads (e.g., Orange Wave Foam Pad):** Firmer texture, often with dimples, for removing deeper scratches and oxidation.
- **Polishing Pads (e.g., Blue Flat Foam Pad):** Softer texture for refining the finish, removing minor swirls, and enhancing gloss.
- **Finishing Pads (e.g., Black Flat Foam Pad):** Very soft for applying waxes, sealants, or achieving a final high-gloss finish.
- **Wool Pads:** Aggressive cutting for severe paint defects.

3 Different Holding Positions



Image: A selection of polishing pads, including wool, flat foam, and wave foam, for different applications.

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Video: Demonstrates how to select and use different polishing pads for cutting and polishing tasks.

2. Speed Control:

The polisher features 6 variable speed settings. Adjust the speed according to the task and the type of compound being used.

- **Speeds 1-2 (Low):** Ideal for waxing and buffing.
- **Speeds 3-4 (Medium):** Suitable for general polishing and cleaning.
- **Speeds 5-6 (High):** Recommended for removing paint imperfections, deep scratches, and oxidation.

6 Speed Control & 21mm Throw Orbit



Image: Visual guide to the 6-speed control and recommended uses for each speed range.

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Video: Illustrates the process of polishing a car using a dual action polisher, including speed adjustments.

3. Polishing Technique:

1. Apply a small amount of polishing compound evenly onto the pad or directly onto the surface area to be polished.
2. Place the polisher flat on the surface before turning it on to prevent sling.
3. Move the polisher in a criss-cross or overlapping pattern, ensuring even coverage. Apply light to moderate pressure.
4. Work on small sections at a time (e.g., 2x2 feet) to ensure thorough and effective polishing.
5. After polishing a section, wipe off any excess compound with a clean microfiber towel.

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Video: Demonstrates the full process of how to polish a car, from cleaning to final buffing, using a dual action polisher.

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Video: Shows the application of polishing compound and the use of an orbital buffer polisher on a car surface.

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Video: Demonstrates the buffing process with a polisher to achieve a smooth finish.

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Video: Shows the car buffer polisher in action, highlighting its efficiency in achieving a polished surface.

MAINTENANCE

- **Clean Pads:** After each use, remove polishing pads and clean them thoroughly with warm water and a mild detergent. Allow them to air dry completely before storage.
- **Clean Tool:** Wipe down the polisher body with a damp cloth to remove any compound residue or dust. Do not use harsh chemicals.
- **Battery Care:** For cordless models, ensure batteries are charged using the provided charger. Store batteries in a cool, dry place. The battery features a gauge to indicate charge level.
- **Storage:** Store the polisher and its accessories in the provided storage bag in a dry, secure location away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Polisher does not turn on	No power supply / Battery not charged / Power switch off	Check power connection or battery charge. Ensure power switch is in the ON position.
Poor polishing results	Incorrect pad/compound / Insufficient pressure / Too fast movement	Use appropriate pad and compound. Apply consistent, moderate pressure. Move the polisher slowly and evenly.
Excessive vibration	Pad not centered / Damaged pad / Loose components	Re-center the pad. Replace damaged pads. Check for loose parts and tighten if necessary.
Overheating	Prolonged use / Blocked vents	Allow the tool to cool down. Ensure ventilation vents are clear of debris.

SPECIFICATIONS

Feature	Detail
Brand	etoolab
Model Number	12MM-OB-Polisher
Style	21MM-Random-Orbital-Polisher
Power Source	AC
Wattage	1000 watts (Max 1000.01 Watts)

Feature	Detail
Speed	4800 RPM (MAX)
Orbit Diameter	21mm (Random Orbital)
Product Dimensions	35D x 45.5W x 40H Centimetres
Item Weight	1 kg
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	Black & Green & Orange
Specific Uses	For Car, Boat Sanding, Polishing, Waxing

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official etoolab website. Keep your proof of purchase for any warranty claims.