

LDHTHOPI LB100-1

LDHTHOPI Buffer Polisher User Manual

Model: LB100-1

1600W 7 Inch/6 Inch Rotary Buffer Polisher Waxer

1. INTRODUCTION

The LDHTHOPI LB100-1 Buffer Polisher is a high-performance power tool designed for efficient sanding, polishing, and waxing across various surfaces. Equipped with a powerful 1600W motor and 7 variable speed settings, it offers versatility for both delicate and aggressive tasks. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.

2. SAFETY INSTRUCTIONS

WARNING: Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep work area clean and well lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and a dust mask.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Overheating Prevention:** When using the polishing machine, do not apply excessive pressure on the head to avoid overloading. A single working time should not exceed 15 minutes. After 15 minutes, please stop and allow the motor to cool for 5 minutes before continuing to prevent overheating.

3. PACKAGE CONTENTS

Upon opening your LDHTHOPI Buffer Polisher package, please verify that all the following items are included:

- 1 x LDHTHOPI LB100-1 Buffer Polisher Unit

- 1 x D-Handle (Top Handle)
- 1 x Side Handle
- 2 x Polishing Disks (150mm and 180mm)
- 5 x 1000-grit Sandpaper Pads
- 5 x 2000-grit Sandpaper Pads
- 3 x Wool Polishing Pads (Covers)
- 6 x Foam Polishing Pads (various colors and stiffness for different applications)
- 1 x Carrying Bag
- Tools for assembly and maintenance (e.g., wrench, hex key)
- Extra set of carbon brushes for the motor
- User Manual (this document)



Figure 3.1: The LDHTHOPI LB100-1 Buffer Polisher shown with its complete set of accessories, including various pads, handles, and the carrying bag.

4. PRODUCT FEATURES

- **High Performance 1600W Motor:** Ensures efficient and durable operation, capable of removing oxidation, scratches, and stains.
- **7 Variable Speeds:** Adjustable from 1000 to 3500 RPM, providing precise control for various materials and applications.
- **Multiple Use Methods:** Can be used directly, with the D-handle, or with the side handle for maximum comfort and control.
- **Versatile Pad Selection:** Includes wool, orange, black, yellow, red, green, and blue pads for different stages of sanding, polishing, and waxing.
- **Multi-Surface Application:** Suitable for cars, furniture, floors, boats, marble, wood, and metal.
- **Self-Lock Button:** For continuous operation without holding the trigger.
- **Effective Heat Dissipation:** Designed to prevent motor overheating during extended use.



Figure 4.1: Illustration highlighting the 1600W powerful motor and precise 6-variable speed control, along with the self-lock button for extended use.

Presentation of main parts**Portable****Corded****Self-lock****Heat
dissipating**

Figure 4.2: Detailed view of the polisher's components, including the side handle, speed control, anti-slip surface, on/off switch, trigger lock, and polishing disk, emphasizing its portable, corded, self-lock, and heat-dissipating features.

5. SETUP

1. Attaching the Polishing Disk:

- Select the desired polishing disk (150mm or 180mm) based on your application.
- Align the disk with the spindle of the polisher.
- Press the spindle lock button located on the polisher head.
- Rotate the disk until the spindle locks into place.
- Securely tighten the disk onto the spindle using the provided wrench.

2. Attaching Handles:

The polisher offers three handling methods for user comfort and control:

- **Direct Use:** Hold the polisher directly by its main body.

- **D-Handle (Top Handle):** Attach the D-handle to the designated mounting points on the polisher head using the provided screws and hex key. This offers a secure grip for two-handed operation.
- **Side Handle:** Screw the side handle into one of the threaded holes on either side of the polisher head. This provides an alternative grip for specific angles or extended use.



Figure 5.1: Demonstrates the three available handle configurations for the polisher: direct grip, D-handle, and side handle, allowing for versatile and comfortable use.

3. Attaching Polishing/Sanding Pads:

The polishing disks feature a hook-and-loop (Velcro) surface. Simply press the desired foam pad, wool pad, or sandpaper onto the polishing disk until it adheres firmly.



Figure 5.2: Illustrates the variety of pads included: sanding pads for paint removal, wave pads for polishing, and wool pads for final buffing, each designed for specific tasks.

6. OPERATING INSTRUCTIONS

The LDHTHOPI Buffer Polisher is designed for a wide range of applications, from heavy-duty sanding to fine polishing and waxing. Always ensure the surface is clean and free of loose debris before starting.

1. **Power Connection:** Plug the polisher into a standard 110V AC power outlet.
2. **Speed Adjustment:** Use the 7-variable speed dial (1000-3500 RPM) to select the appropriate speed for your task.
 - **Lower Speeds (1-3):** Ideal for delicate polishing, waxing, and spreading compounds.
 - **Medium Speeds (4-5):** Suitable for general polishing and light swirl removal.
 - **Higher Speeds (6-7):** Best for heavy-duty sanding, removing deep scratches, oxidation, and stubborn stains.
3. **Starting the Polisher:** Press the on/off switch to start the tool. For continuous operation, engage the trigger lock button.
4. **Application Techniques:**

- **Sanding (with sandpaper pads):** Use 1000-grit or 2000-grit pads for paint correction or rust removal. Apply light, even pressure and move the polisher in overlapping passes.
- **Compounding/Polishing (with foam pads):** Apply a small amount of compound or polish directly to the pad or the work surface. Start at a low speed to spread the product, then increase speed as needed. Work in small sections, using overlapping passes.
 - **Wool/Orange/Black Pads:** For effectively removing deep scratches, oxidation, and stubborn stains.
 - **Yellow/Red Polishing Pads:** Perfect for touching up and enhancing the shine of your car's paint.
 - **Green/Blue Polishing Pads:** Great for removing light swirls and fine scratches for a flawless body finish.
- **Waxing (with wool pads or soft foam pads):** Apply a thin, even layer of wax. Use low speed and minimal pressure to spread and buff the wax.

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COMPACT & ERGONOMIC DESIGN

Curved body sense handle makes it easy to operation for you

COARSE PAD	MEDIUM PAD	FINE PAD
Used for grinding, removing severe oxide layers, scratches, and swirls	Used for polishing, removing moderate swirls	Used for restoring, removing fine swirls left by polishing, and restoring the mirror surface

Figure 6.1: Illustrates the application of coarse, medium, and fine pads for different stages of surface treatment, from grinding to restoring mirror finish.



Figure 6.2: The polisher is shown being used for glass polishing, car waxing, floor waxing, and furniture sanding, demonstrating its wide application across various materials.

5. **Important Usage Note:** To prevent motor overheating and ensure product longevity, avoid applying excessive pressure. Limit continuous operation to 15 minutes, followed by a 5-minute cooling period.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your LDHTHOPI Buffer Polisher.

- **Cleaning:** After each use, wipe down the polisher body with a clean, damp cloth. Remove any residue from the polishing disk. Clean used pads thoroughly according to their material type (e.g., rinse foam pads with water and mild soap, allow to air dry).
- **Carbon Brush Replacement:** The polisher is equipped with replaceable carbon brushes. If the motor performance decreases or the tool stops working, the brushes may need replacement.
 - Locate the brush caps on the sides of the motor housing.
 - Unscrew the caps using a flathead screwdriver or the provided tool.
 - Remove the old carbon brushes.
 - Insert the new carbon brushes, ensuring they are oriented correctly.
 - Securely screw the caps back into place.

The product includes an extra set of carbon brushes for convenience.

- **Storage:** Store the polisher and its accessories in the provided carrying bag in a clean, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues with your LDHTHOPI Buffer Polisher, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Polisher does not start.	No power supply; Faulty power cord/plug; Worn carbon brushes.	Check power outlet and connections. Inspect power cord for damage. Replace carbon brushes.
Reduced power or intermittent operation.	Worn carbon brushes; Overheating; Loose connections.	Replace carbon brushes. Allow tool to cool down. Check all connections.

Problem	Possible Cause	Solution
Excessive vibration or noise.	Improperly attached pad/disk; Damaged pad/disk; Internal component issue.	Ensure pad/disk is securely attached. Replace damaged pads/disks. If problem persists, contact customer support.
Surface damage (swirls, burns).	Incorrect pad/compound combination; Excessive pressure; Too high speed.	Use appropriate pad and compound for the task. Reduce pressure. Lower speed setting.

If the problem persists after attempting these solutions, please contact LDHTHOPI customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Model Number	LB100-1
Brand	LDHTHOPI
Maximum Power	1600 Watts
Voltage	110 Volts (AC)
Speed	7 Variable Speeds (1000-3500 RPM)
Polishing Disk Sizes	7 Inch (180mm) / 6 Inch (150mm)
Item Weight	4.57 Pounds
Product Dimensions	7.6 x 6 x 16.5 inches
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	Blue

10. WARRANTY AND SUPPORT

LDHTHOPI stands behind the quality of its products. For specific warranty details, return policies, or technical support, please refer to the warranty card included in your package or visit the official LDHTHOPI website. Keep your purchase receipt as proof of purchase for any warranty claims.

For direct assistance, you may contact LDHTHOPI customer service through the contact information provided on the product packaging or the brand's official online store.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Answered questions about this manual

How do I remove the polishing wheel on the LDHTHOPI LB100-1 Buffer Polisher if it is stuck even when pressing the orange spindle lock button?

To remove the polishing disk (wheel) from your LDHTHOPI LB100-1 Buffer Polisher, follow these steps based on the manual's instructions: Use the Spindle Lock: Press and hold the orange spindle lock button located on the...

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