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- › [Estink](#) /
- › [Estink Electric Hand Planer Kit User Manual](#)

Estink RM

Estink Electric Hand Planer Kit User Manual

Model: RM

1. INTRODUCTION

Thank you for choosing the Estink Electric Hand Planer Kit. This powerful and portable woodworking tool is designed for efficient and precise planing of wood surfaces. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your electric hand planer. Please read this manual thoroughly before initial use and retain it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

General Power Tool Safety Warnings:

- **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:** 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:** Always wear eye protection, dust mask, non-skid safety shoes, and hearing protection when operating the tool. Dress properly; avoid loose clothing or jewelry.
- **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.

Specific Planer Safety Warnings:

- Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- Keep hands away from the planing area and the blade. Do not reach underneath the workpiece when the blade is rotating.
- Ensure the workpiece is properly supported.
- Never place the planer on the workpiece until the blade has stopped rotating.
- Be aware of kickback.

3. PRODUCT OVERVIEW

3.1 Components

The Estink Electric Hand Planer Kit includes the following main components:

- Electric Planer Unit
- Socket Spanner
- Guide Ruler
- Butted-knife Frame
- Blade Sharpener Frame

3.2 Specifications

Feature	Specification
Brand	Estink
Model Number	RM
Material	Alloy Steel (Body), Aluminum (Base)
Color	Blue
Power Source	AC
Cutting Depth	1 Millimeter (Adjustable)
Cutting Width	3.31 Inches
Amperage	5.45 Amps
Maximum Rotational Speed	16,000 RPM
Item Weight	6.18 pounds

3.3 Product Images



Figure 1: The Estink Electric Hand Planer Kit, showcasing its compact design and ergonomic handle.

1



High Quality Housing

tough & anti-corrosion

2



Aluminum Chassis

sturdy and durable

3



Locking Switch

easy and convenient

Figure 2: Key features of the planer, including its high-quality housing for durability, sturdy aluminum chassis, and convenient locking switch for continuous operation.

Adjust Depth Knob



Adjustable Depth 0-1mm, accurate and no waste

Figure 3: Close-up view of the adjustable depth knob, allowing precise control over the cutting depth from 0-1mm for accurate planing.



Figure 4: The electric planer in action, highlighting its ease of operation and effective wood removal.

3.4 Product Video

Your browser does not support the video tag.

Video 1: This video demonstrates the assembly and basic handling of the Estink Electric Hand Planer Kit, including attaching accessories and preparing the tool for use.

4. SETUP

Before operating the planer, ensure all components are correctly assembled and secured.

1. **Unpacking:** Carefully remove all contents from the packaging. Inspect the tool for any damage that may have occurred during shipping.
2. **Attaching the Guide Ruler:**
 - Locate the guide ruler and its mounting screws.
 - Align the guide ruler with the designated slots on the side of the planer base.

- Secure the guide ruler using the provided screws and the socket spanner. Ensure it is firmly attached for stable operation.

3. Dust Collection (Optional):

- If using a dust collection bag or system, attach it to the dust exhaust port on the planer.
- Ensure a secure connection to prevent dust leakage.

4. **Power Connection:** Before plugging in, ensure the power switch is in the "OFF" position. Connect the power cord to a suitable 110V AC power outlet.

5. OPERATION

Follow these steps for effective and safe operation of your electric hand planer.

1. Adjusting Cutting Depth:

- The planer features a cutter depth adjustment button located at the front of the tool.
- Rotate the knob to set the desired planing depth. The depth can be adjusted according to your specific woodworking needs, typically from 0 to 1mm.
- Start with a shallow depth setting and gradually increase it as needed to avoid overloading the tool or damaging the workpiece.

2. Starting the Planer:

- Hold the planer firmly with both hands, ensuring a stable grip on the contoured top handle.
- Press the convenient switch to turn on the planer. The self-locking switch design enhances safety and reduces user fatigue during extended use.
- Allow the motor to reach full speed before contacting the workpiece.

3. Planing Technique:

- Place the front shoe of the planer flat on the workpiece, ensuring the blades are not yet touching the surface.
- Apply even pressure and smoothly push the planer forward across the wood surface. Maintain a consistent speed for a uniform finish.
- The finely processed aluminum bottom plate ensures that the planed wood is flat and smooth.
- For wider materials, make overlapping passes to cover the entire surface.

4. **Stopping the Planer:** Release the power switch to turn off the planer. Wait for the blades to come to a complete stop before setting the tool down.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your electric hand planer.

- **Cleaning:** After each use, disconnect the planer from the power source. Use a brush or compressed air to remove wood chips and dust from the planer's base, blade area, and ventilation slots.
- **Blade Inspection and Sharpening:** Regularly inspect the planer blades for sharpness and damage. Dull or chipped blades can lead to poor performance and increased motor strain. Use the provided blade sharpener frame to maintain blade sharpness, or replace blades as necessary.
- **Carbon Brushes:** The motor uses carbon brushes. Periodically check the carbon brushes for wear. If they are worn down, they will need to be replaced to ensure proper motor function. Refer to a qualified service technician for carbon brush replacement if you are unsure.
- **Cord Inspection:** Check the power cord for any signs of damage, cuts, or fraying. Do not use the tool if the cord is damaged.
- **Storage:** Store the planer in a clean, dry place, out of reach of children and away from direct sunlight or extreme

temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your electric hand planer.

Problem	Possible Cause	Solution
Planer does not start	No power supply; Faulty power cord; Worn carbon brushes.	Check power outlet and connections. Inspect power cord for damage. Replace carbon brushes if worn.
Poor planing quality (uneven surface, rough finish)	Dull or damaged blades; Incorrect cutting depth setting; Inconsistent feed rate.	Sharpen or replace blades. Adjust cutting depth. Maintain a steady, even feed rate.
Tool overheats or shuts off quickly	Overloading the tool; Blocked ventilation slots; Worn motor components.	Reduce cutting depth per pass. Clear all ventilation slots. Allow tool to cool down. If persistent, consult a technician.
Excessive vibration or noise	Loose components; Damaged blades; Motor issue.	Check all screws and fasteners. Inspect blades for damage and replace if necessary. If motor related, seek professional service.

8. WARRANTY AND SUPPORT

For warranty information, product support, or to inquire about replacement parts, please contact Estink customer service. Keep your purchase receipt as proof of purchase.

For further assistance, please visit the official Estink store or contact their customer support channels as provided at the time of purchase.