MtiolHig SKU0701050001-FBA-US-13

MtiolHig Cordless Handheld Electric Planer

Model: SKU0701050001-FBA-US-13

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your MtiolHig Cordless Handheld Electric Planer. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

The MtiolHig Cordless Handheld Electric Planer is designed for planing wood surfaces, trimming edges, and other woodworking tasks. It features a brushless motor for efficient performance and is compatible with DeWalt 20V batteries (battery not included).

2. Safety Information

WARNING: Read 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.

General Power Tool Safety

- **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 use any adapter plugs with earthed (grounded) power tools.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when necessary. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Specific Planer Safety

- **Hold the tool by insulated gripping surfaces** when performing an operation where the cutting accessory may contact hidden wiring.
- **Keep hands away from the planing area.** Never reach under the tool or near the rotating blades while the tool is

operating.

- **Ensure the workpiece is securely clamped or supported.** Do not hold small pieces by hand.
- **Wait for the planer to stop completely** before setting it down. Exposed blades can cause injury.
- **Dust Collection:** Connect a dust extraction device when possible to minimize dust exposure. Wood dust can be harmful.
- **Safety Switch:** This planer features a dual-switch safety mechanism. The tool will only operate when both the on/off switch and the safety switch are pressed simultaneously. This prevents accidental starts.



Figure 1: Safety Lock Design. The dual-switch safety feature ensures the tool only operates when both switches are engaged, preventing accidental starts.

3. Product Overview

The MtiolHig Cordless Handheld Electric Planer is engineered for precision and efficiency in woodworking. Key features include:

- **Brushless Motor:** Provides powerful performance with a no-load speed of 15,000 RPM.
- **Planing Width:** 3-1/4 inches (82mm) for efficient material removal.
- **Adjustable Planing Depth:** From 0 to 0.08 inches (0-2mm) with 0.01mm accuracy.
- **Cordless Design:** Compatible with DeWalt 20V batteries for portability.
- **Smooth Aluminum Base:** Ensures stable and precise cuts.
- **Fast Chip Release:** Designed for continuous planing without clogging.
- **Lightweight:** Weighs approximately 5.59 lbs for comfortable extended use.

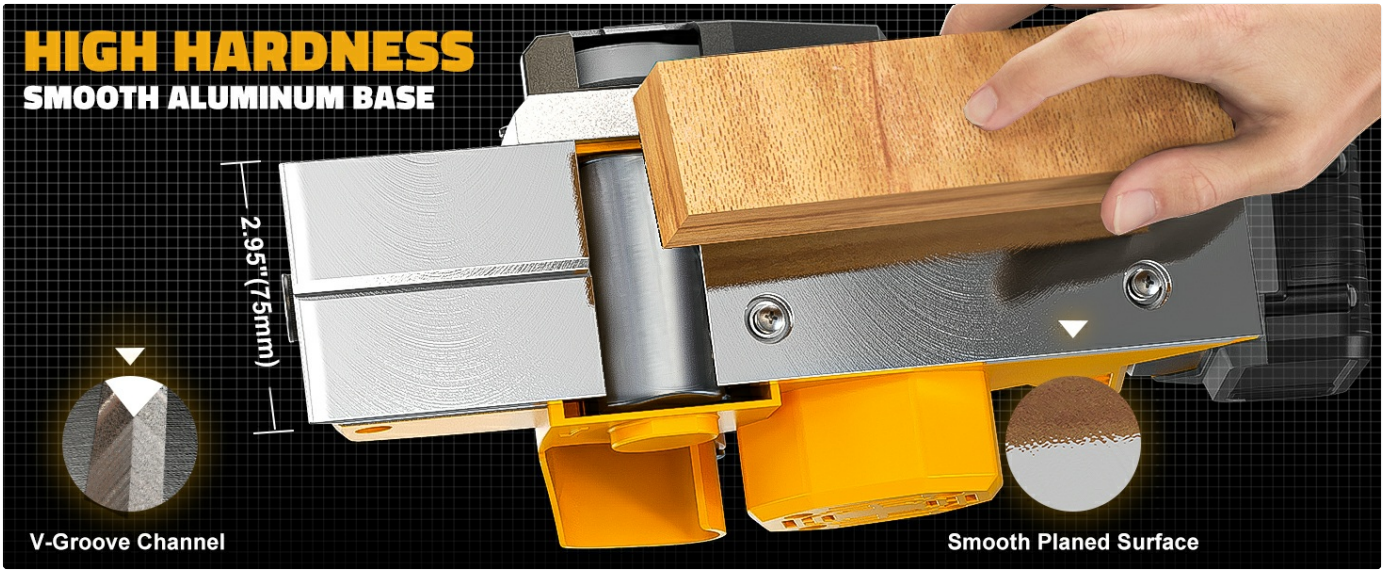


Figure 2: Key Features of the MtiolHig Cordless Electric Hand Planer.

4. Specifications

Feature	Specification
Brand	MtiolHig
Model Number	SKU0701050001-FBA-US-13
Power Source	Battery Powered (Compatible with DeWalt 20V)
Maximum Rotational Speed	15000 RPM
Cutting Depth	0 - 2 millimeters (0 - 0.08 inches)
Cutting Width	3.25 inches (82mm)
Material	Metal, Plastic
Product Dimensions (L x W x H)	16.5 x 18 x 31 centimetres
Included Components	Switch (Tool Only, Battery Not Included)

5. Setup

5.1 Battery Installation

1. Ensure the planer is turned off and the safety switch is disengaged.
2. Align a charged DeWalt 20V battery (not included) with the battery port on the planer.
3. Slide the battery into the port until it clicks securely into place.
4. To remove, press the battery release button and slide the battery out.



Figure 3: Battery Compatibility. The planer is designed to work with DeWalt 20V batteries (battery not included).

5.2 Adjusting Planing Depth

1. Locate the depth adjustment knob on the front of the planer.
2. Rotate the knob to set the desired planing depth. The depth can be adjusted from 0 to 2mm (0.08 inches) with a precision of 0.01mm.
3. A lower number indicates a shallower cut, while a higher number indicates a deeper cut. Start with a shallow cut and gradually increase if needed.



Figure 4: Planing Depth Adjustment. The knob allows precise control over the cutting depth from 0 to 2mm.

6. Operation

6.1 Starting and Stopping the Planer

1. Ensure the battery is securely installed and the desired planing depth is set.
2. Grip the planer firmly with both hands.
3. To start the planer, simultaneously press the safety switch and the main trigger switch.
4. To stop the planer, release the main trigger switch. The safety switch will automatically reset.

6.2 Planing Technique

1. Place the front shoe of the planer flat on the workpiece, ensuring the blades are not touching the wood.
2. Start the planer as described above.

3. Once the motor reaches full speed, slowly and steadily push the planer forward across the workpiece. Apply even pressure.
4. Maintain a consistent speed and pressure for a smooth finish. Avoid tilting the planer.
5. At the end of the pass, ensure the rear shoe is fully supported on the workpiece before lifting the planer.
6. For wider boards, overlap each pass slightly to ensure complete coverage.



Figure 5: Planer in Operation. Demonstrates the planer removing wood chips during use.



Figure 6: Achieving Stable and Precise Straight Cuts. Proper technique ensures even material removal.

6.3 Chip Collection

The planer is designed for fast chip release to prevent clogging and ensure continuous operation. For optimal dust management, connect a suitable dust collection system to the planer's dust port.



Figure 7: Fast Wood Chip Release. The design facilitates efficient removal of wood chips during planing.

6.4 Applications

This planer is suitable for various woodworking tasks, including:

- Smoothing rough wood surfaces.
- Trimming door edges for a perfect fit.
- Removing old paint or finishes from wood.
- General DIY and carpentry projects.



Figure 8: Multiple Uses of the MtiolHig Planer. Examples include planing old paint, door edges, trimming, and DIY projects.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your planer. Always disconnect the battery before performing any maintenance.

7.1 Cleaning

- After each use, clean the planer thoroughly. Use a brush or compressed air to remove wood chips and dust from the motor vents, blade area, and dust port.
- Wipe down the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

7.2 Blade Inspection and Replacement

- Regularly inspect the planer blades for sharpness and damage. Dull or chipped blades can lead to poor performance and kickback.

- Refer to the blade replacement instructions provided with your replacement blades. Always use genuine MtiolHig replacement blades or compatible alternatives.
- Ensure blades are correctly installed and tightened before use.

7.3 General Inspection

- Check all screws and fasteners periodically to ensure they are tight.
- Inspect the power cord (if applicable, for charger) and battery for any damage.
- Store the planer in a dry, secure location away from children and moisture.

8. Troubleshooting

This section addresses common issues you might encounter with your planer. If you experience a problem not listed here, contact customer support.

Problem	Possible Cause	Solution
Planer does not start	Battery not charged or improperly installed. Safety switch not engaged.	Ensure battery is fully charged and correctly inserted. Press both the safety switch and trigger simultaneously.
Poor planing finish (rough, uneven)	Dull or damaged blades. Incorrect planing depth. Inconsistent pressure or speed.	Replace blades if dull or damaged. Adjust planing depth. Maintain steady pressure and speed during operation.
Excessive vibration or noise	Loose blades or components. Damaged motor.	Check and tighten blade screws. If problem persists, discontinue use and contact customer support.
Wood chips not ejecting properly	Dust port clogged.	Clear any obstructions from the dust port and blade area. Ensure dust collection system is properly connected and empty.

9. Warranty and Support

The MtiolHig Cordless Handheld Electric Planer comes with a**2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover damage caused by misuse, abuse, neglect, unauthorized repairs, or normal wear and tear. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or to inquire about replacement parts, please contact MtiolHig customer support through the retailer where the product was purchased or visit the official MtiolHig website for contact information.

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

Anonymous

Email

you@example.com

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