

FERM OTM1006

FERM OTM1006 Cordless Li-Ion Multi-Tool User Manual

Model: OTM1006

1. INTRODUCTION

This manual provides detailed instructions for the FERM OTM1006 12V Li-Ion Cordless Multi-Tool. It covers safe setup, operation, and maintenance for various tasks such as sawing, sanding, cutting, and scraping. Please read this manual thoroughly before using the tool to ensure safe and efficient operation.

2. PRODUCT OVERVIEW

The FERM OTM1006 is a versatile 12V Li-Ion cordless multi-tool designed for a wide range of applications. Its powerful motor delivers up to 18,000 oscillations per minute, making it suitable for demanding tasks. The tool features variable speed control for optimal performance across different materials and applications, and its quick accessory change system enhances user convenience.



Figure 1: The FERM OTM1006 Cordless Multi-Tool shown with its 12V Li-Ion battery and various attachments, including sanding pads, scraper blade, and saw blades.

3. SAFETY INSTRUCTIONS

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 Warnings:

- **Work Area Safety:** Keep 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. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Always wear eye protection, dust mask, non-skid safety shoes, hard hat, or hearing protection as appropriate.
- **Power 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 and/or remove the battery pack before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

4. PACKAGE CONTENTS

The FERM OTM1006 multi-tool package includes the following items:

- FERM OTM1006 Cordless Li-Ion Multi-Tool

- 12V – 1.5 Ah Li-Ion Battery
- Battery Charger
- Three pieces of Velcro sanding paper
- Sanding plate
- HSS Segment saw blade
- Scraper blade
- E-cut saw blade
- Hexagonal screwdriver (Allen key)
- Robust storage case



Figure 2: A selection of the included accessories: sanding pads, a sanding plate, a segment saw blade, an E-cut saw blade, and a scraper blade.

5. SETUP

5.1. Charging the Battery

1. Ensure the battery is fully charged before first use.
2. Connect the charger to a suitable power outlet.
3. Insert the battery into the charger. The charging indicator light will show the charging status.
4. Once fully charged, disconnect the battery from the charger and unplug the charger from the outlet.

5.2. Attaching/Removing the Battery

1. To attach: Align the battery with the base of the multi-tool and slide it in until it clicks securely into place.
2. To remove: Press the battery release button (if present) and slide the battery out.

5.3. Attaching Accessories

The OTM1006 features an easy accessory change system. Use the provided hexagonal screwdriver (Allen key) for secure attachment.

1. Ensure the tool is switched off and the battery is removed before changing accessories.
2. Loosen the accessory screw on the tool head using the hexagonal screwdriver.
3. Place the desired accessory (e.g., sanding plate, saw blade, scraper) onto the tool head, ensuring it

aligns with the mounting pins.

4. Tighten the accessory screw firmly with the hexagonal screwdriver to secure the attachment.



Figure 3: The multi-tool head with a circular saw blade securely attached, ready for use.

6. OPERATING INSTRUCTIONS

6.1. Turning On/Off

1. To turn on: Slide the ON/OFF switch forward to the "I" position.
2. To turn off: Slide the ON/OFF switch backward to the "O" position.



Figure 4: The ON/OFF slide switch located on the top of the multi-tool for easy operation.

6.2. Variable Speed Control

The OTM1006 is equipped with a variable speed control dial, allowing you to adjust the oscillation rate from 1 to 6 (or similar markings) for optimal performance on different materials.

1. Rotate the speed dial to select the desired oscillation speed. Lower settings are suitable for delicate materials or tasks requiring more control, while higher settings are for faster material removal or harder materials.
2. Always test the speed on a scrap piece of material before working on your main project.



Figure 5: The variable speed control dial, typically numbered 1 to 6, located on the side of the tool.

6.3. Applications

The multi-tool can be used for various tasks depending on the attached accessory:

- **Sanding:** Attach the sanding plate and appropriate grit sanding paper. Use for smoothing surfaces, removing paint, or preparing wood.



Figure 6: The multi-tool equipped with a sanding pad, actively sanding a wooden surface.

- **Cutting:** Use E-cut or segment saw blades for cutting wood, plastic, soft metals, or drywall.



Figure 7: The multi-tool with a cutting blade, demonstrating its use for cutting a PVC pipe.

- **Scraping:** Attach the scraper blade for removing old paint, adhesive, or caulk.



Figure 8: The multi-tool fitted with a scraper blade, ready for scraping tasks.

Always ensure the workpiece is securely clamped and wear appropriate personal protective equipment.

7. MAINTENANCE

7.1. Cleaning

- Always remove the battery before cleaning.
- Keep the ventilation slots of the tool clean to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

- Clean accessories after each use to maintain their effectiveness and lifespan.

7.2. Storage

- Store the tool and accessories in the robust storage case provided.
- Store in a dry, secure place out of reach of children.
- For long-term storage, ensure the battery is partially charged (around 50%) and recharge it every few months to prolong its life.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted until it clicks.
Reduced performance / Overheating	Ventilation slots blocked; accessory dull or incorrect for task; excessive pressure applied.	Clean ventilation slots. Replace dull accessories. Use appropriate accessory. Reduce pressure.
Accessory vibrates excessively or comes loose	Accessory not properly secured.	Ensure accessory screw is tightened firmly with the hexagonal screwdriver.

9. SPECIFICATIONS

Feature	Detail
Model Number	OTM1006
Manufacturer	Ferm
Power Source	Battery Powered
Battery Type	12V Li-Ion (1.5 Ah)
Voltage	12 Volts
Power	18 Watts
Oscillation Speed	Up to 18,000 oscillations/minute
Special Features	Compact, Variable Speed
Product Dimensions (L x W x H)	30 x 8 x 25 cm
Item Weight	760 grams
Country of Origin	China
UPC	8716507000086

10. WARRANTY AND SUPPORT

FERM products are manufactured to high quality standards and are guaranteed against defects in materials and workmanship for a period specified by your local retailer or distributor. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or service, please contact your local FERM dealer or visit the official FERM website. Information regarding spare parts availability is currently unavailable through this document.

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