

Ecarke 1234

Ecarke 750W Cordless Jigsaw Instruction Manual

Model: 1234

INTRODUCTION

Thank you for choosing the Ecarke 750W Cordless Jigsaw. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your tool. Please read it thoroughly before use and keep it for future reference.

General Safety Instructions

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- Do not force the tool. Use the correct tool for your application.
- Maintain tools with care. Keep cutting tools sharp and clean.
- Store idle tools out of reach of children.

PRODUCT OVERVIEW

The Ecarke 750W Cordless Jigsaw is designed for versatile cutting tasks in various materials. Familiarize yourself with its components for safe and efficient operation.

PRODUCT DETAILS

- ① Lock-off Button
- ② Gear Switch
- ③ Battery Not Include
- ④ Cooling Port
- ⑤ 3 Orbital Setting
- ⑥ LED Light
- ⑦ Jig Saw Blade Chuck
- ⑧ Base Plate
- ⑨ Blade x 6
- ⑩ Screwdriver x 1



Figure 1: Product components of the Ecarke Cordless Jigsaw. Key parts include the Lock-off Button, Gear Switch, Battery Compartment (Battery Not Included), Cooling Port, Orbital Setting Switch, LED Light, Jig Saw Blade Chuck, and Base Plate.



Figure 2: The jigsaw features an upgraded brushless motor for enhanced performance and durability, along with a self-contained LED light for improved visibility.

Key Features

- **Brushless Motor:** Provides efficient power and extended tool life.
- **Variable Speed Control:** Allows precise speed adjustment for different materials and cutting requirements.
- **Quick Blade Change System:** Enables fast and tool-free blade replacement.
- **Adjustable Bevel Angle:** Base plate can be adjusted for bevel cuts from -45° to $+45^{\circ}$.
- **Integrated LED Light:** Illuminates the cutting line for improved visibility.
- **Ergonomic Handle:** Rubberized grip for comfortable and secure handling.
- **Safety Lock:** Prevents accidental startup.
- **Compatibility:** Designed to be compatible with Makita 18V Li-Ion batteries (battery and charger not included).

SETUP

1. Installing the Saw Blade

1. Ensure the jigsaw is switched off and the battery pack is removed.
2. Locate the blade chuck (part 7 in Figure 1).
3. Push the blade chuck lever to open the chuck.
4. Insert the T-shank jigsaw blade into the chuck until it clicks into place. Ensure the teeth of the blade are facing forward.
5. Release the lever to secure the blade. Gently pull on the blade to confirm it is firmly seated.



Figure 3: Step 1 illustrates the installation of the saw blade into the jigsaw chuck. Step 2 shows the installation of a Makita 18V battery into the tool.

2. Installing the Battery Pack

1. Ensure the jigsaw is switched off.
2. Align the Makita 18V Li-Ion battery pack with the battery compartment on the tool (part 3 in Figure 1).
3. Slide the battery pack into the compartment until it locks into place.
4. To remove the battery, press the release button on the battery pack and slide it out.

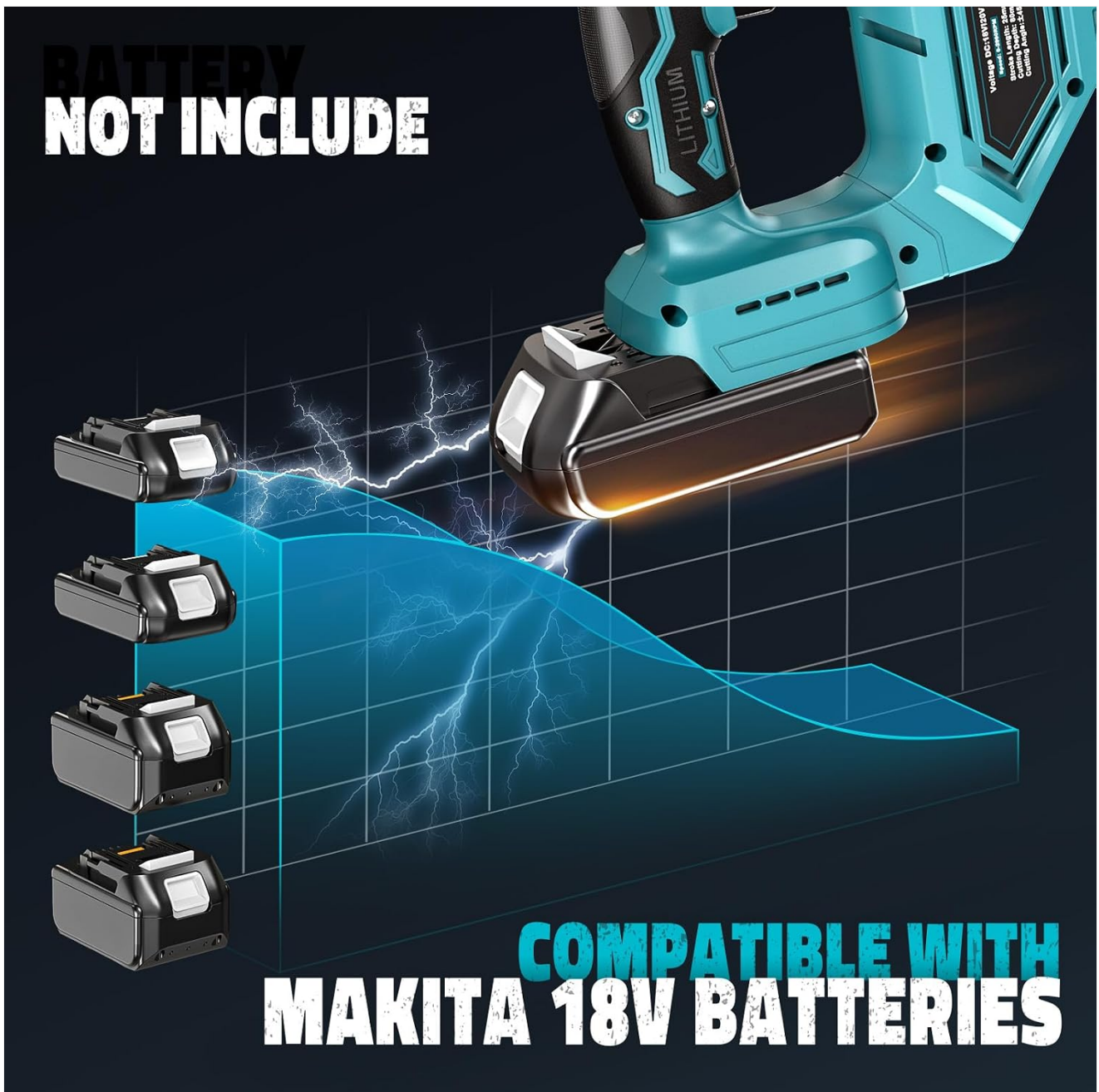


Figure 4: The Ecarke Cordless Jigsaw is compatible with Makita 18V batteries, which are not included with the tool.

3. Adjusting the Bevel Angle

1. Ensure the jigsaw is switched off and the battery pack is removed.
2. Loosen the screw on the base plate (part 8 in Figure 1) using the included screwdriver.
3. Adjust the base plate to the desired bevel angle (from -45° to $+45^{\circ}$). Common angles are marked.
4. Tighten the screw firmly to secure the base plate in position.



Figure 5: The jigsaw's base plate can be adjusted to achieve bevel cuts up to 45 degrees in either direction.

OPERATING INSTRUCTIONS

1. Starting and Stopping the Jigsaw

- To start the tool, press the safety lock-off button (part 1 in Figure 1) and then squeeze the trigger switch (part 2 in Figure 1).
- To stop the tool, release the trigger switch.
- The integrated LED light will illuminate when the trigger is pressed, providing visibility to the cutting line.

2. Adjusting Cutting Speed

The jigsaw features variable speed control. The cutting speed can be adjusted by the pressure applied to the trigger switch. For optimal results, start with a lower speed for delicate cuts or harder materials and increase speed for faster cuts in softer materials.

3. Selecting Orbital Action

The orbital setting (part 5 in Figure 1) controls the aggressiveness of the blade's cutting motion. There are typically multiple orbital settings (e.g., 0 for no orbital action, 1-3 for increasing orbital action). Use:

- **Setting 0 (Straight Cut):** For fine, precise cuts in wood, plastic, and metal.
- **Settings 1-3 (Orbital Cut):** For faster, more aggressive cuts in wood and softer materials. Higher settings provide faster cutting but may result in a rougher finish.

4. Cutting Techniques

Always ensure the workpiece is securely clamped. Place the base plate flat on the workpiece before starting the cut. Allow the blade to reach full speed before engaging the material.



Figure 6: The Ecarke Jigsaw is suitable for a wide range of applications, including linear and curve cutting in wood, cutting metal (with appropriate blades), and cutting PVC.

- **Straight Cuts:** Guide the jigsaw along a marked line, applying steady, even pressure.
- **Curve Cuts:** Use a narrower blade and a lower orbital setting. Guide the tool slowly along the curve.
- **Plunge Cuts:** For internal cuts without a pilot hole, tilt the jigsaw forward so the front edge of the base plate

rests on the workpiece. Start the tool, then slowly lower the blade into the material. This technique requires practice and caution.

- **Material Compatibility:**

- **Wood:** Use wood-specific blades. Max cutting depth up to 80 mm.
- **Metal:** Use metal-specific blades (not included). Max cutting depth up to 8 mm.
- **Plastic/PVC:** Use appropriate blades and adjust speed to prevent melting.



Figure 7: The ergonomic design allows for easy operation and maneuverability from various angles during cutting tasks.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Ecarke Jigsaw.

- **Cleaning:** After each use, clean the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure ventilation openings (cooling port, part 4 in Figure 1) are clear of dust and debris.
- **Blade Care:** Replace dull or damaged blades promptly. Sharp blades ensure efficient cutting and reduce

strain on the tool.

- **Storage:** Store the jigsaw in a dry, secure place, out of reach of children. Remove the battery pack before storage.
- **Lubrication:** The tool's internal components are factory-lubricated and generally do not require additional lubrication.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged. Safety lock-off button not pressed.	Ensure battery is fully charged and properly inserted. Press the safety lock-off button before squeezing the trigger.
Blade not cutting efficiently or binding.	Dull or incorrect blade for the material. Blade not securely installed. Excessive feed pressure.	Replace with a sharp, appropriate blade. Ensure blade is securely locked in the chuck. Reduce feed pressure.
Excessive vibration.	Loose blade. Incorrect blade type. Worn internal components.	Check blade installation. Use the correct blade for the material. If problem persists, contact customer support.
Motor overheats.	Overloading the tool. Blocked ventilation.	Reduce load on the tool. Clear all ventilation openings. Allow tool to cool down.

SPECIFICATIONS

Feature	Detail
Model Number	1234
Brand	Ecarke
Power	750 Watts
Voltage	18 Volts (DC)
Power Source	Battery Powered (compatible with Makita 18V Li-Ion)
Product Dimensions (L x W x H)	23.5 x 9.5 x 26.5 cm
Weight	1.83 kg
Blade Material	High-speed steel (for included wood blades)
Max Cutting Depth (Wood)	80 mm
Max Cutting Depth (Metal)	8 mm
Bevel Cutting Angle	-45° to +45°

Feature	Detail
Handle Material	Rubber
Special Features	Brushless motor, Variable speed, Quick blade change system, LED work light, Safety lock
Included Components	1 Cordless Jigsaw, 6 Wood Blades, 1 Screwdriver
Battery/Charger	Not included

WARRANTY AND SUPPORT

Information regarding warranty coverage for your Ecarke 750W Cordless Jigsaw is typically provided at the point of purchase or within separate documentation included with the product. Please refer to your purchase receipt or contact the retailer for specific warranty details.

For technical support, spare parts, or service inquiries, please contact Ecarke customer service through the retailer where the product was purchased or visit the official Ecarke brand store on Amazon: [Ecarke Store](#).

When contacting support, please have your model number (1234) and purchase date available.