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› MAXLANDER 20V 1/2 Inch Cordless Hammer Drill Kit User Manual

## MAXLANDER SF8E404

# MAXLANDER 20V 1/2 Inch Cordless Hammer Drill Kit User Manual

Model: SF8E404

## INTRODUCTION

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Thank you for choosing the MAXLANDER 20V 1/2 Inch Cordless Hammer Drill Kit. This tool is designed for drilling into various materials including wood, plastic, metal, and masonry. It features a powerful brushless motor, variable speed control, multiple torque settings, and an ergonomic design for comfortable and efficient operation. Please read this manual carefully before use to ensure safe and proper operation, and retain it for future reference.

## SAFETY INSTRUCTIONS

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Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your 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. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves. Ensure the tool is switched off before making any adjustments, changing accessories, or storing it. Keep children and bystanders away while operating a power tool.

- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.
- **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.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools.

## PACKAGE CONTENTS

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Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 1 x MAXLANDER Cordless Hammer Drill
- 1 x 20V 2.0Ah Lithium-Ion Battery
- 1 x 1-Hour Fast Charger

- 5 x Rotary Drill Bits (for wood/steel)
- 3 x Flat Drill Bits (for carpentry)
- 1 x Auxiliary Handle
- 1 x User Manual

## PRODUCT OVERVIEW

Familiarize yourself with the components of your MAXLANDER Cordless Hammer Drill.



**Image:** Labeled components of the MAXLANDER Cordless Hammer Drill. Key parts include the chuck, torque adjustment ring, speed switch, direction selector, trigger, LED worklight, and battery.

1. **All-Metal Keyless Chuck:** For quick and secure bit changes.
2. **Torque Adjustment Ring:** Selects the desired torque setting for screw driving or drilling mode.
3. **Direction-of-Rotation Selector:** Controls forward, reverse, and center-lock (safety) positions.
4. **2-Speed Switch:** Toggles between low speed (for high torque) and high speed (for low torque).
5. **Variable-Speed Trigger Switch:** Controls the drilling speed based on pressure applied.
6. **LED Worklight:** Illuminates the work area.
7. **Battery:** Provides power to the drill.

8. **Auxiliary Handle:** Provides additional control and stability.

## SETUP

### 1. Charging the Battery

Before first use, fully charge the battery. Insert the battery into the charger, ensuring proper alignment. The charger indicator light will show the charging status.



Image: A 20V Lithium-Ion battery being charged. The image shows indicator lights for 'Charging' (red) and 'Fully Charged' (green).

### 2. Installing and Removing the Battery

- **To Install:** Align the battery with the base of the drill and slide it in until it clicks securely into place.
- **To Remove:** Press the battery release button (usually located on the sides of the battery) and slide the battery out.

### 3. Installing and Removing Drill Bits

- **To Install:** Rotate the chuck counter-clockwise to open the jaws. Insert the drill bit into the chuck as far as it will go. Rotate the chuck clockwise to tighten the jaws securely around the bit.
- **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and pull the drill bit out.

## 4. Attaching the Auxiliary Handle

The auxiliary handle can be attached to either side of the drill for improved control, especially during hammer drilling or high-torque applications. Loosen the handle, slide it onto the drill head, and tighten it securely in the desired position.

## OPERATING INSTRUCTIONS

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### 1. Selecting Operating Mode

Your drill offers three modes: Drill, Screw-Driving, and Hammer-Drilling. Rotate the mode selector ring (located behind the chuck) to choose the appropriate mode for your task.

- **Drill Mode:** For drilling holes in wood, plastic, and metal.
- **Screw-Driving Mode:** For driving screws. Use with the torque adjustment ring.
- **Hammer-Drilling Mode:** For drilling into masonry and concrete.

### 2. Adjusting Torque

The torque adjustment ring allows you to set the clutch to prevent over-driving screws or damaging materials. There are 20 torque settings plus a drill mode setting. Start with a lower torque setting and increase as needed.



Image: Close-up of the drill's chuck area, illustrating the 20+3 position clutch for setting torque for various applications like steel, wood, and concrete.

### 3. Selecting Speed Range

The 2-speed switch (located on top of the drill) allows you to select between two speed ranges:



Image: A user holding the drill, highlighting the 2-variable speed ranges. Speed 1 (0-400 RPM) is for high torque applications, and Speed 2 (0-1600 RPM) is for low torque applications.

- **Speed 1 (0-400 RPM):** Low speed, high torque. Ideal for driving screws and drilling large diameter holes.
- **Speed 2 (0-1600 RPM):** High speed, low torque. Ideal for drilling small diameter holes and faster drilling.

### 4. Direction of Rotation

The direction-of-rotation selector allows you to choose forward (clockwise) for drilling and driving, or reverse (counter-clockwise) for removing screws or freeing a jammed bit. The center position locks the trigger for safety.

### 5. Using the LED Worklight

The integrated LED worklight automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your tool.

- **Cleaning:** Keep the ventilation slots clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the drill and accessories in a dry, secure location out of reach of children.

## TROUBLESHOOTING

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If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed. Direction selector in center (locked) position.	Charge battery fully. Ensure battery is securely installed. Move direction selector to forward or reverse.
Reduced power or speed	Battery charge is low. Incorrect speed setting for the task.	Recharge the battery. Select the appropriate speed range (Speed 1 for high torque, Speed 2 for high speed).
Bit slips in chuck	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Ensure chuck is tightened firmly. Clean or replace the drill bit.
Battery not charging	Charger not plugged in. Faulty battery or charger.	Check power connection. Contact customer support if problem persists.

## SPECIFICATIONS

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Technical specifications for the MAXLANDER 20V 1/2 Inch Cordless Hammer Drill Kit.

- **Model Number:** SF8E404
- **Voltage:** 20V
- **Battery Type:** Lithium-Ion
- **Battery Capacity:** 2.0Ah
- **Max Torque:** 60 Nm
- **No-Load Speed:** 0-400 RPM (Speed 1), 0-1600 RPM (Speed 2)
- **Impact Rate (BPM):** 0-24000 BPM
- **Chuck Size:** 1/2 inch (Keyless)
- **Weight:** 2.75 kg
- **Special Feature:** Variable Speed
- **Color:** Black

## WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the warranty card included with your product or contact the retailer where you purchased the MAXLANDER 20V 1/2 Inch Cordless Hammer Drill Kit. Please have your model number (SF8E404) and purchase date available when contacting support.