Makita DHP482Z

Makita DHP482Z 18V LXT Impact Drill User Manual

Model: DHP482Z

1. Introduction

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DHP482Z 18V LXT Impact Drill. Please read this manual thoroughly before using the tool to ensure optimal performance and safety.



Figure 1.1: Makita DHP482Z 18V LXT Impact Drill (machine only).

2. Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

General Safety Rules:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Ensure the work area is well-lit and free from clutter.
- Keep children and bystanders away while operating the power 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 power tool.
- Use the correct tool for your application. Do not force the tool.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.

3. Package Contents

The Makita DHP482Z is typically sold as a machine-only unit. Please verify your specific purchase for included accessories.

- Makita DHP482Z 18V LXT Impact Drill (1 unit)
- Instruction Manual

Note: Batteries and charger are sold separately unless specified in the product variant.

4. Setup

4.1 Attaching/Removing the Battery

To attach the battery, align the battery pack with the groove in the tool housing and slide it in until it locks into place. To remove, press the release button on the battery pack and pull it out.



Figure 4.1: Side view of the Makita DHP482Z, showing the battery slot at the base of the handle.

4.2 Installing/Removing Drill Bit

1. Ensure the battery pack is removed for safety.
2. Rotate the chuck counter-clockwise to open the jaws.
3. Insert the drill bit fully into the chuck.
4. Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered.
5. To remove, rotate the chuck counter-clockwise until the bit can be pulled out.

5. Operating Instructions

5.1 Powering On/Off and Variable Speed

The tool is activated by pressing the trigger switch. The speed of the tool increases as you increase pressure on the trigger. Release the trigger to turn off the tool.

5.2 Changing Rotation Direction

The forward/reverse switch is located above the trigger. Push it to the left for forward rotation (drilling/driving screws) and to the right for reverse rotation (removing screws).

5.3 Selecting Operating Mode (Drilling/Impact Drilling/Screwdriving)

Rotate the mode ring located behind the chuck to select the desired operating mode:

- **Drilling Mode:** For drilling into wood, metal, and plastic.
- **Impact Drilling Mode:** For drilling into masonry and concrete.
- **Screwdriving Mode:** Use the clutch settings to prevent overtightening screws.



Figure 5.1: The Makita DHP482Z being used to drive screws into a wooden beam, demonstrating its versatility.

5.4 Two-Speed Gear Selection

The gear selector switch is located on top of the tool. Use '1' for low speed and high torque (e.g., driving large screws, drilling large holes) and '2' for high speed and low torque (e.g., drilling small holes, fast screwdriving).

6. Maintenance

6.1 Cleaning

Regularly clean the ventilation openings of the tool to prevent overheating. Use a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Storage

Store the tool in a dry, secure place out of reach of children. Remove the battery pack before storing for extended periods.

6.3 Battery Care

Always charge the battery fully before first use. Do not store batteries in direct sunlight or in excessively hot or cold environments. For long-term storage, charge the battery to about 50% capacity.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted.	Charge battery fully. Reinsert battery securely.
Reduced power/performance	Low battery charge. Incorrect speed/torque setting.	Recharge battery. Adjust speed/torque setting for the task.
Chuck not holding bit securely	Chuck not tightened sufficiently. Bit shank is dirty.	Tighten chuck firmly. Clean bit shank before insertion.

8. Specifications

Feature	Detail
Brand	Makita
Model Number	DHP482Z
Power Source	Battery Powered

Feature	Detail
Voltage	18 Volts
Maximum Rotational Speed	1900 RPM
Maximum Chuck Size	13 Millimeters
Maximum Torque	480 Inch Pounds (approx. 54 Nm)
Number of Speeds	2
Drilling Capacity (Wood)	38 Millimeters
Drilling Capacity (Metal)	13 Millimeters
Item Weight	2.42 pounds (1.1 Kilograms)
Product Dimensions	8.39"L x 3.46"W x 9.92"H

9. Warranty and Support

For warranty information and customer support, please refer to the official Makita website or contact your local Makita service center. Keep your purchase receipt as proof of purchase.
EU Spare Part Availability Duration: 1 Years (as per provided data).