Makita DDF482Z

Makita DDF482Z 18V LXT 1/2-Inch Driver Drill Instruction Manual

Model: DDF482Z

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DDF482Z 18V LXT 1/2-Inch Driver Drill. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

The Makita DDF482Z is a versatile cordless driver drill designed for various drilling and fastening applications. It features an 18V LXT Lithium-Ion battery system (battery and charger sold separately) and a 1/2-inch keyless chuck.

2. Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **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:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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 Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. Components Overview

Familiarize yourself with the main components of your Makita DDF482Z driver drill.


makita
OPEN AUF
LXT
makita



Figure 3.1: Overall view of the Makita DDF482Z 18V LXT 1/2-Inch Driver Drill. This image displays the drill from an angled front perspective, highlighting its compact design and ergonomic grip. The battery is shown attached at the base.



Figure 3.2: Side view of the Makita DDF482Z driver drill. This image provides a clear profile of the tool, showing the chuck, clutch ring, speed selector, trigger, and battery compartment.

- **Keyless Chuck:** For quick and easy bit installation and removal.
- **Clutch Ring:** Adjusts the torque settings for driving screws.
- **Mode Selector:** Switches between drilling and driving modes.
- **Speed Selector Switch:** Allows selection of high or low speed ranges.

- **Trigger Switch:** Controls the tool's speed and power.
- **Forward/Reverse Lever:** Changes the rotation direction.
- **LED Job Light:** Illuminates the work area.
- **Battery Compartment:** For inserting the 18V LXT Lithium-Ion battery pack.
- **Belt Clip:** For convenient carrying of the tool.

4. Setup

4.1 Battery Installation and Removal

The Makita DDF482Z is a tool-only product. Battery and charger are sold separately.

1. **To Install:** Align the battery pack with the grooves in the tool's housing and slide it in until it locks into place with a click.
2. **To Remove:** Press the button on the front of the battery pack and slide the battery out of the tool.

4.2 Bit Installation



Figure 4.1: A hand demonstrating the operation of the keyless chuck to insert or remove a drill bit. The chuck is being rotated counter-clockwise to open its jaws.

1. Ensure the tool is switched off and the battery is removed.
2. Rotate the chuck sleeve counter-clockwise to open the chuck jaws.
3. Insert the drill bit or driver bit into the chuck as far as it will go.
4. Rotate the chuck sleeve clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly held.

5. Operating Instructions

5.1 Speed Selection




1
3
5
7
1
2



Figure 5.1: Top view of the drill, illustrating the two-speed selector switch. The switch can be set to '1' for low speed/high torque or '2' for high speed/low torque.

The tool has a two-speed mechanical gear selection. Use the speed selector switch located on top of the tool.

- **Position '1':** Low speed (0-600 RPM) for heavy-duty applications, large diameter drilling, or driving large screws where high torque is required.
- **Position '2':** High speed (0-1900 RPM) for light-duty applications, small diameter drilling, or fast driving where speed is prioritized.

Always ensure the tool is completely stopped before changing the speed setting.

5.2 Clutch Settings and Drilling Mode



Figure 5.2: A detailed view of the drill's chuck and the adjustable clutch ring. The numbers on the clutch ring indicate different torque settings, and the drill symbol represents the drilling mode.

The clutch ring allows you to select from 22 torque settings for driving screws, plus a dedicated drilling mode.

- **Torque Settings (1-22):** Rotate the clutch ring to the desired number. Lower numbers are for smaller screws or softer materials, while higher numbers are for larger screws or harder materials. The clutch will disengage when the set torque is reached, preventing overtightening or stripping.
- **Drilling Mode (Drill Symbol):** Rotate the clutch ring to the drill symbol for drilling operations. In this mode, the clutch does not engage, providing maximum torque for drilling.

5.3 Trigger Switch and Forward/Reverse



Figure 5.3: A close-up image showing the variable speed trigger and the forward/reverse rotation selector lever. The lever is positioned above the trigger for easy access.

- **Trigger Switch:** The tool speed is controlled by the amount of pressure applied to the trigger switch. Pressing the trigger further increases the speed.
- **Forward/Reverse Lever:** Push the lever from the left side for forward rotation (drilling/driving). Push it from the right side for reverse rotation (removing screws). Center the lever to lock the trigger and prevent accidental startup.

5.4 LED Job Light



Figure 5.4: The LED job light activated, casting illumination on the area directly in front of the drill chuck. This feature aids visibility in dimly lit workspaces.

The twin LED job lights automatically illuminate when the trigger is pulled, providing visibility in dark work areas. They feature pre-glow and after-glow functions, staying on briefly after the trigger is released.

5.5 Battery Protection System

The tool is equipped with a battery protection system that automatically cuts off power to extend battery life. This system protects against over-discharge, temperature, and circuit overload.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Regularly clean the tool's ventilation openings to prevent dust accumulation. Use a soft, dry cloth. Do not use strong solvents or abrasive cleaners.
- **Inspection:** Periodically inspect the chuck for wear and ensure it tightens properly. Check the power cord of the charger (if applicable) for damage.
- **Storage:** Store the tool in a clean, dry place, out of reach of children. Remove the battery pack before storing for extended periods.
- **Lubrication:** This tool is factory lubricated and does not require additional lubrication.

7. Troubleshooting

If your tool is not operating correctly, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed; Trigger lock engaged.	Charge battery and ensure proper installation; Disengage trigger lock by centering the forward/reverse lever.
Reduced power or speed	Low battery charge; Overload protection activated.	Recharge battery; Reduce load or allow tool to cool down.
Chuck not holding bit securely	Chuck jaws worn or dirty; Bit shank damaged.	Clean chuck jaws; Replace bit; If problem persists, chuck may need service.
LED light not working	Faulty LED or wiring.	Contact an authorized service center.

For issues not listed here, or if solutions do not resolve the problem, contact an authorized Makita service center.

8. Specifications

Technical specifications for the Makita DDF482Z 18V LXT 1/2-Inch Driver Drill.

Feature	Specification
Model Number	DDF482Z
Voltage	18 Volts
Chuck Size	1/2-Inch (13 mm) Keyless
No Load Speed (Low)	0-600 RPM
No Load Speed (High)	0-1900 RPM
Maximum Torque	62 Newton Meters (480 in. lbs.)
Clutch Settings	22 + Drill Mode
Drilling Capacity (Wood)	38 Millimeters
Drilling Capacity (Metal)	13 Millimeters
Item Weight	1.2 Kilograms (2.64 pounds)
Product Dimensions	7.25"L x 5"W x 3"H
Power Source	Battery Powered (18V Lithium-Ion)
Special Features	Variable Speed, Twin LED Job Light, Battery Protection System

9. Warranty and Support

9.1 Warranty Information

Makita power tools are engineered to the highest standards and are backed by a limited warranty. Please refer to the warranty card included with your purchase or visit the official Makita website for detailed warranty terms and conditions specific to your region.

9.2 Customer Support

For technical assistance, service, or to locate an authorized service center, please visit the official Makita website or contact their customer service department. Contact information can typically be found on the Makita website or in the packaging materials.

© 2025 Makita Corporation. All rights reserved.

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