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Makita DDF 482 RTJ 18V Cordless Drill Driver User Manual

Model: DDF 482 RTJ

INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient use of your Makita DDF 482 RTJ 18V Cordless Drill Driver. Please read these instructions carefully before operating the tool to ensure proper function, prevent injury, and extend the product's lifespan. Keep this manual for future reference.

SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. This section outlines general safety guidelines applicable to all power tools. For detailed safety information, refer to the separate safety manual provided with your tool.

- **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.
- **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.

PRODUCT OVERVIEW

The Makita DDF 482 RTJ is a versatile 18V cordless drill driver designed for various drilling and fastening applications. It features a robust motor, adjustable torque settings, and a two-speed gearbox for optimal performance.



Figure 1: Makita DDF 482 RTJ 18V Cordless Drill Driver. This image shows the main unit of the drill driver, highlighting its ergonomic design and key components like the chuck, torque adjustment ring, and speed selector.

Key Components:

- **Keyless Chuck:** For quick and easy bit changes.
- **Torque Adjustment Ring:** Allows selection of 21 torque settings plus a drill mode.
- **Speed Selector Switch:** Engages high or low-speed gear.
- **Trigger Switch:** Controls motor speed and direction.
- **LED Job Light:** Illuminates the work area.
- **Battery Pack:** 18V Lithium-ion battery for cordless operation.

SETUP

1. Charging the Battery

The Makita DDF 482 RTJ comes with two 18V 5.0 Ah Lithium-ion batteries and a compatible charger (DC18RC). Ensure batteries are fully charged before first use.



Figure 2: Makita DC18RC Charger and 18V 5.0 Ah Batteries. This image displays the battery charger unit along with two 18V 5.0 Ah Lithium-ion battery packs, essential for powering the drill driver.

1. Connect the charger to a standard power outlet.
2. Insert the battery pack into the charger. The charging indicator light will show the charging status.
3. Once charging is complete, remove the battery from the charger.

Note: Do not charge damaged batteries. Refer to the charger manual for detailed charging instructions and safety warnings.

2. Installing/Removing the Battery

- **To Install:** Align the battery pack with the grooves in the tool's handle and slide it in until it clicks into place.
- **To Remove:** Press the release button on the battery pack and slide it out of the tool.

3. Installing/Removing a Drill Bit or Driver Bit

1. Rotate the chuck counter-clockwise to open the jaws.
2. Insert the bit fully into the chuck.
3. Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly held.
4. To remove, rotate the chuck counter-clockwise to loosen the jaws and pull the bit out.

OPERATING INSTRUCTIONS

1. Selecting Speed

The drill driver has a 2-speed mechanical gearbox:

- **Speed 1 (Low Speed):** 0-600 RPM. Ideal for heavy-duty drilling (larger holes), driving large screws, or applications requiring high torque.
- **Speed 2 (High Speed):** 0-1900 RPM. Suitable for light-duty drilling (smaller holes) and faster driving of smaller screws.

Use the speed selector switch located on top of the tool to choose the desired speed. Ensure the tool is stopped before changing speeds.

2. Adjusting Torque

The torque adjustment ring allows you to set the clutch to one of 21 settings, or to drill mode. This prevents over-tightening of screws and damage to the workpiece or screw head.

- Rotate the ring to align the desired torque number with the arrow on the tool body. Lower numbers are for smaller screws or softer materials; higher numbers are for larger screws or harder materials.
- For drilling, set the ring to the **drill symbol** (no clutch action).

3. Starting and Stopping

- **To Start:** Pull the trigger switch. The speed increases with increased pressure on the trigger.
- **To Stop:** Release the trigger switch.

4. Reversing Rotation

The forward/reverse lever, located above the trigger, controls the direction of rotation.

- Push the lever to the left for forward rotation (drilling and driving screws).
- Push the lever to the right for reverse rotation (removing screws).
- Center the lever for trigger lock (prevents accidental starting).

Caution: Always ensure the tool has come to a complete stop before changing the direction of rotation.

5. LED Job Light

The LED job light automatically illuminates when the trigger is pulled, providing visibility in dimly lit areas. It has a pre-glow and after-glow function.

MAINTENANCE

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

Cleaning

- Keep the tool's ventilation openings clean to prevent overheating.
- Wipe the tool body with a soft, damp cloth. Do not use strong detergents or solvents.
- Regularly clean the chuck jaws to ensure proper grip on bits.

Storage

When not in use, store the drill driver, batteries, and charger in the provided Makpac 2 case in a cool, dry place, out of reach of children.



Figure 3: Makita Makpac 2 Carry Case. This image shows the robust Makpac 2 case, designed for secure storage and transport of the drill driver and its accessories.

Battery Care

- Do not store batteries in direct sunlight or in places where the temperature may reach or exceed 50°C (122°F).
- For long-term storage, charge batteries to about 50% capacity.

TROUBLESHOOTING

This section addresses common issues you might encounter with your drill driver.

Problem	Possible Cause	Solution
Tool does not start.	Battery not inserted correctly. Battery discharged. Forward/reverse lever in neutral (locked) position.	Re-insert battery firmly. Charge battery. Move lever to forward or reverse position.
Reduced power or speed.	Battery low. Overload protection activated.	Charge battery. Reduce pressure on the tool or use a lower speed/higher torque setting.
Bit slips in chuck.	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Tighten chuck firmly. Clean or replace bit.
Tool stops during operation.	Overload protection activated (e.g., due to excessive load or high temperature).	Release the trigger, allow the tool to cool down, and reduce the load.

If the problem persists after attempting these solutions, please contact Makita customer service or an authorized service center.

SPECIFICATIONS

Model Number	DDF 482 RTJ
Voltage	18 V
Battery Type	Lithium-ion
Battery Capacity	5.0 Ah (x2 included)
No-Load Speed (Gear 1)	0 - 600 RPM
No-Load Speed (Gear 2)	0 - 1900 RPM
Max Fastening Torque (Hard)	62 Nm
Max Fastening Torque (Soft)	36 Nm
Torque Settings	21 + Drill Mode
Chuck Capacity	1.5 - 13 mm
Max Drilling Capacity (Wood)	38 mm
Max Drilling Capacity (Steel)	13 mm
Dimensions (L x W x H)	185 x 79 x 249 mm (tool only)
Weight (without battery)	1.7 kg
Included Components	2x 5.0 Ah Batteries, Charger (DC18RC), Makpac 2 Case

WARRANTY AND SUPPORT

Makita products are manufactured under strict quality control and inspection systems. This product is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and registration information.

For technical assistance, spare parts, or service, please contact your local authorized Makita service center or visit the official Makita website. When contacting support, please have your model number (DDF 482 RTJ) and serial number ready.

Online Resources: For additional information, FAQs, and product registration, visit the official Makita website:

www.makita.com

