RYOBI RID18BL-0

RYOBI RID18BL-0 18V ONE+ Cordless Brushless Impact Driver User Manual

Model: RID18BL-0 | Brand: RYOBI

1. Product Overview

The RYOBI RID18BL-0 18V ONE+ Cordless Brushless Impact Driver is a powerful and versatile tool designed for driving and removing screws, as well as fastening and loosening bolts. Featuring advanced brushless technology, it delivers enhanced power, extended runtime, and a longer tool life. This impact driver is part of the extensive RYOBI 18V ONE+ system, allowing for battery compatibility across a wide range of tools.





Figure 1.1: Front view of the RYOBI RID18BL-0 18V ONE+ Cordless Brushless Impact Driver.

Key Features:

- **Powerful Impact Mechanism:** Delivers up to 300Nm of fastening torque.
- **4-Mode Settings:** Offers Low (100Nm), Medium (180Nm), High (300Nm), and Assist Mode for optimized control across various applications.
- **Brushless Motor:** Provides more power, longer runtime, and extended motor life.
- **Variable Speed Trigger:** Allows for precise control over driving speed.
- **1/4-inch Quick Change Chuck:** Enables fast and secure bit changes.
- **Integrated LED Light:** Illuminates the work area for improved visibility.
- **Belt Clip:** For convenient portability and access.

2. Setup

2.1 Battery Installation

This product is a bare tool and requires a RYOBI 18V ONE+ battery and charger (sold separately). To install the battery, align the battery pack with the base of the tool and slide it in until it clicks securely into place. Ensure the battery is fully charged before use.



Figure 2.1: The LED light and battery indicator on the tool's base, which illuminates when the trigger is pressed.

2.2 Bit Installation

The impact driver features a 1/4-inch quick change chuck for easy bit insertion. To install a bit, pull the collar of the chuck forward, insert the hex shank of the bit fully into the chuck, and then release the collar. The bit should be securely locked in place. To remove a bit, pull the collar forward and pull the bit out.



Figure 2.2: Proper method for inserting a hex bit into the impact driver's quick-change chuck.

3. Operation

3.1 Powering On/Off and Variable Speed

To operate the tool, press the variable speed trigger. The speed of the impact driver is controlled by how far the trigger is depressed; pressing it further increases the speed. Release the trigger to turn the tool off.

3.2 Mode Selection

The RID18BL-0 features four distinct modes to suit various applications:

- **Low Speed (100Nm):** Ideal for delicate tasks or when precise control is needed.
- **Medium Speed (180Nm):** Suitable for general fastening applications.
- **High Speed (300Nm):** For heavy-duty fastening and loosening tasks.
- **Assist Mode:** Starts at a lower speed for easy screw aiming, then ramps up to full speed to complete the task. This mode also provides additional control when removing screws and fixings.

Use the mode selection buttons located on the base of the tool to cycle through the different settings.



Figure 3.1: The mode selection buttons on the tool's base, allowing users to switch between different torque and speed settings.

3.3 General Usage

Hold the tool firmly with both hands, especially when driving large fasteners or working with high torque. Ensure the bit is properly seated in the fastener head to prevent cam-out. For optimal performance and safety, always wear appropriate personal protective equipment, including eye protection.



Figure 3.2: The impact driver being used to drill into a wooden beam, demonstrating its power and application.



Figure 3.3: The impact driver in action, driving a screw into a wooden stud, highlighting its efficiency for fastening tasks.



Figure 3.4: The impact driver being used to fasten a door hinge, showcasing its versatility for various household and construction tasks.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your impact driver.

- **Cleaning:** Keep the tool's ventilation openings clean and free of debris to prevent overheating. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the tool in a dry, secure location out of reach of children. If storing for extended periods, remove the battery.
- **Bit Maintenance:** Ensure your bits are clean and in good condition. Worn or damaged bits can reduce efficiency and potentially damage the fastener or tool.

5. Troubleshooting

If you encounter issues with your RYOBI RID18BL-0 impact driver, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and securely inserted.
Reduced power or performance	Low battery charge; Worn or incorrect bit; Overheating.	Recharge battery; Replace bit; Allow tool to cool down.

Problem	Possible Cause	Solution
Bit not holding securely	Bit not fully inserted; Chuck collar not fully released.	Ensure bit is fully inserted and chuck collar is released to lock it.

If the problem persists after attempting these solutions, contact RYOBI customer support for further assistance.

6. Technical Specifications

Specification	Value
Model Number	RID18BL-0
Voltage	18V
Max Torque	300 Nm
No Load Speed	Up to 2900 RPM
Impact Rate	Up to 4000 IPM
Chuck Size	1/4 inch Hex
Weight (Bare Tool)	1 Kilogram (approx. 2.2 pounds)
Dimensions (L x W x H)	9.25 x 3.94 x 7.87 inches
Material	Metal with rubber coating

7. Warranty and Support

RYOBI products are manufactured to high-quality standards and are backed by a manufacturer's warranty. For specific warranty details, including duration and coverage, please refer to the warranty card included with your purchase or visit the official RYOBI website. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please contact RYOBI customer service. Contact information can typically be found on the product packaging or the official RYOBI website (www.ryobitools.com).

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.

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