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› RYOBI RMT18-0 18V ONE+ Cordless Multi-Tool Instruction Manual

RYOBI RMT18-0

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Model: RMT18-0

1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, and maintenance of your RYOBI RMT18-0 18V ONE+ Cordless Multi-Tool. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.

The RYOBI RMT18-0 is a versatile cordless multi-tool designed for various tasks including cutting, sanding, and scraping. It is part of the RYOBI ONE+ 18V system, offering portability and convenience for a wide range of applications.



Image 1: The RYOBI RMT18-0 18V ONE+ Cordless Multi-Tool. This image shows the tool from a side perspective, highlighting its compact design and the RYOBI branding.

2. SAFETY INFORMATION

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal

injury. Keep this manual for future reference.

- **Work Area Safety:** Keep the 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. PACKAGE CONTENTS

Verify that all items listed below are present and undamaged upon unpacking:

- RYOBI RMT18-0 18V ONE+ Cordless Multi-Tool (Bare Tool)
- Plunge Cutting Blade
- Flush Cutting Blade
- Sanding Pad
- 5 Sanding Sheets
- Hex Key
- Universal Accessory Adaptor
- Instruction Manual

Note: Battery and charger are sold separately and are not included with this bare tool.

4. PRODUCT FEATURES

The RYOBI RMT18-0 Multi-Tool offers several features designed for versatility and ease of use:

- **Versatile Application:** Capable of cutting drywall, metal, wood, plastic, composites, and performing detailed sanding.
- **Plunge and Flush Cutting:** Designed for quick plunge cuts into various materials and flush cuts close to surfaces without damage.
- **Quick Change Attachments:** Facilitates easy and hassle-free transitions between different accessories for cutting and sanding.
- **6-Position Variable Speed Wheel:** Provides precise control over the oscillation speed for optimal performance across diverse applications.
- **Universal Accessory Adaptor:** Ensures compatibility with accessories from various brands.
- **Integrated LED Light:** Illuminates the work area for improved visibility, especially in dimly lit spaces.

5. SETUP

5.1 Battery Installation

1. Ensure the multi-tool is switched off.

2. Align the ribs on the battery pack with the grooves in the tool's battery port.
3. Slide the battery pack into the tool until it clicks securely into place.
4. To remove, press the latch on the battery pack and slide it out.

Use only RYOBI ONE+ 18V Lithium-Ion batteries.

5.2 Accessory Attachment

The multi-tool features a quick-change system for accessories. Always ensure the battery is removed before changing accessories.

1. Locate the accessory release lever on the tool head.
2. Push the lever to unlock the accessory mount.
3. Align the desired accessory (blade or sanding pad) with the accessory mount. The universal adaptor can be used for non-RYOBI accessories.
4. Push the accessory firmly onto the mount.
5. Release the lever to lock the accessory in place. Ensure it is securely fastened before use.



Image 2: The RYOBI RMT18-0 Multi-Tool with a battery pack installed. This view shows the tool ready for operation, with an accessory attached to the head.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To turn on the tool, slide the ON/OFF switch to the "ON" position.
- To turn off the tool, slide the ON/OFF switch to the "OFF" position.

6.2 Variable Speed Control

The 6-position variable speed wheel allows you to adjust the oscillation rate for different materials and applications.

- Rotate the speed wheel to select the desired setting. Lower numbers correspond to slower speeds, higher numbers to faster speeds.
- Use lower speeds for delicate work, softer materials, or when more control is required.
- Use higher speeds for aggressive material removal or harder materials.

6.3 Cutting Operations

Always ensure the workpiece is securely clamped before cutting.

- **Plunge Cutting:** Position the blade at the desired starting point. Gradually lower the tool into the material, allowing the blade to cut. Apply steady, even pressure.
- **Flush Cutting:** For cuts close to a surface, use a flush cutting blade. Hold the tool so the blade is parallel to the surface and guide it along the cutting line.



Image 3: The multi-tool performing a cutting operation on a white pipe. This demonstrates the tool's capability for precise cuts on various materials.



Image 4: Another view of the multi-tool cutting a white pipe. This angle provides a clearer perspective of the cutting action and how the tool is held.

6.4 Sanding Operations

Attach the sanding pad and appropriate grit sanding sheet for your task.

- Apply light, even pressure. Let the tool do the work.
- Move the tool in a consistent pattern across the surface to achieve an even finish.
- Change sanding sheets when they become worn or clogged to maintain effectiveness.

6.5 LED Work Light

The integrated LED light automatically illuminates the work area when the tool is in operation, improving visibility in dark or confined spaces.

7. MAINTENANCE

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

- **Cleaning:** After each use, remove the battery and clean the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings free of debris.
- **Accessory Inspection:** Regularly inspect blades and sanding pads for wear or damage. Replace worn accessories to maintain cutting and sanding efficiency.
- **Storage:** Store the tool in a dry, secure location out of reach of children. Remove the battery pack before storing for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully charged and properly seated.
Reduced performance or excessive vibration.	Worn or dull accessory. Accessory not securely attached.	Replace accessory. Ensure accessory is locked firmly in place.
Tool overheats.	Overloading the tool. Blocked ventilation.	Reduce load. Clear ventilation openings. Allow tool to cool.

If you encounter issues not covered here, or if problems persist, contact RYOBI customer support.

9. SPECIFICATIONS

Brand	RYOBI
Model Number	RMT18-0
Voltage	18 Volts
Power Source	DC (Battery Powered)
Minimum Rotational Speed	10000 RPM
Maximum Rotational Speed	20000 RPM
Item Weight	0.9 Kilograms (1.98 pounds)
Product Dimensions (L x W x H)	5.59 x 7.44 x 7.28 inches
Special Features	Compact, Cordless, Multi Use, Variable Speed, LED Light
Batteries Required	Yes (1 Lithium Ion battery, not included)

10. 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.

For technical assistance, spare parts, or service inquiries, please contact RYOBI customer support through their official channels. Have your model number (RMT18-0) and purchase information ready when contacting support.

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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

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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