RYOBI P20104VNM

Ryobi Expand-It 18-Volt Lithium-Ion Cordless Power Head Instruction Manual

Model: P20104VNM

Important Safety Information

Always wear appropriate safety gear, including eye protection and gloves, when using this product. Be aware of potential flying debris when trimming. Always follow the instructions for proper attachment and battery handling to avoid injury.

- Read and understand all instructions before operating the power head.
- Keep hands, face, and feet clear of all moving parts.
- Ensure the work area is clear of bystanders and pets.
- Do not operate the power head in wet conditions.
- Always remove the battery pack before making adjustments, changing accessories, or storing the tool.

Product Overview

Description

The Ryobi Expand-It 18-Volt Lithium-Ion Cordless Power Head is designed to be attachment-capable, allowing users to connect various Expand-It accessories such as string trimmers, pruners, pole saws, or hedge trimmers. This power head operates with any Ryobi 18V battery, providing versatility and interchangeability with other Ryobi 18V tools. It features a brushless motor for maximum power and durability, a dual-speed switch for precise control, and a variable speed trigger for cutting control.

Key Features

- **Attachment Capable:** Works with RYOBI Expand-It Attachments.
- **18V Compatibility:** Operates with all Ryobi 18V batteries (battery and charger not included).
- **Dual Speed Switch:** Provides accurate and precise control for various tasks.
- **Variable Speed Trigger:** Offers enhanced cutting control.
- **Brushless Motor:** Engineered for maximum power and durability.
- **Included Handle Assembly:** For comfortable and controlled operation.



Image 1: The Ryobi Expand-It 18-Volt Cordless Power Head, showing the main unit with the handle and the attachment-capable shaft. This unit is designed to accept various Expand-It attachments (sold separately) and is powered by Ryobi 18V batteries.

Package Contents

The Ryobi Expand-It 18-Volt Cordless Power Head package includes:

- Ryobi Expand-It 18-Volt Cordless Power Head
- Handle Assembly

Note: This power head does NOT include any attachments, battery, or charger. These items must be purchased separately.

Setup

1. Handle Assembly

1. Loosen the knob on the handle assembly.
2. Slide the handle onto the power head shaft to a comfortable operating position.
3. Tighten the knob securely to fix the handle in place.

2. Attaching Accessories

1. Ensure the power head is turned off and the battery is removed.
2. Align the male end of the Expand-It attachment with the female coupling on the power head shaft.
3. Push the attachment into the power head until it clicks into place.
4. Tighten the coupling knob on the power head to secure the attachment.
5. To remove, loosen the coupling knob and press the release button on the attachment, then pull apart.



Image 2: Close-up view of the Ryobi Expand-It power head's attachment coupling mechanism. This image illustrates how the power head connects to various Expand-It attachments, highlighting the secure locking system.

3. Battery Installation

1. Ensure the power head is turned off.
2. Align the ribs on the battery pack with the grooves in the power head's battery port.
3. Slide the battery pack into the power head until it latches securely.
4. To remove, press the battery release button and pull the battery pack out.

Operating Instructions

1. Starting the Power Head

1. Ensure a fully charged 18V battery is installed and an attachment is securely fastened.
2. Hold the power head firmly with both hands.
3. Engage the safety switch (if present) and then press the variable speed trigger to start the motor.

2. Speed Control

- **Dual Speed Switch:** Use the dual speed switch located on the handle to select between high and low-speed settings. Low speed is suitable for lighter tasks and extended battery life, while high speed provides maximum power for demanding applications.
- **Variable Speed Trigger:** The trigger allows for fine-tuning of the speed within the selected high or low range. Press the trigger gently for slower speeds and apply more pressure for increased speed.

Maintenance

- **Cleaning:** After each use, clean the power head and attachment with a dry cloth. Remove any debris, grass, or dirt from vents and moving parts. Do not use water or solvents.
- **Inspection:** Regularly inspect the power head and attachments for any signs of damage, loose fasteners, or worn parts. Replace damaged parts immediately.
- **Storage:** Store the power head in a dry, secure location out of reach of children. Remove the battery pack before storing.

Troubleshooting

Problem	Possible Cause	Solution
Power head does not start	Battery not installed correctly Battery discharged Safety switch not engaged	Ensure battery is fully seated Charge battery pack Engage safety switch before pressing trigger
Loss of power during operation	Battery low Overload on attachment	Recharge battery Reduce load, clear obstruction, or use high-speed setting

Problem	Possible Cause	Solution
Attachment not secure	Coupling knob loose Attachment not fully engaged	Tighten coupling knob Ensure attachment clicks into place and knob is tightened

Specifications

Feature	Specification
Brand	RYOBI
Model Number	P20104VNM
Power Source	Battery Powered (18V Lithium-Ion)
Product Dimensions	34"L x 6"W
Speed	Up to 8000 RPM
Assembly Required	Yes
Cordless	Yes
UPC	728370633900

Warranty and Support

For warranty information, technical support, or to purchase replacement parts, please refer to the official RYOBI website or contact RYOBI customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

RYOBI products are designed for durability and performance. Should you encounter any issues not covered in this manual, professional assistance is recommended.

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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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