RYOBI P2860

RYOBI 4 Gallon ONE+ 18V Lithium-Ion Cordless Backpack Sprayer User Manual (Model P2860)

Introduction and Safety Information

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your RYOBI 4 Gallon ONE+ 18V Lithium-Ion Cordless Backpack Sprayer, Model P2860. Please read this manual thoroughly before initial use and retain it for future reference.

Important Safety Precautions

Caution: This product is intended for use with chemicals. Always wear appropriate protective equipment, such as gloves and goggles. Follow all safety guidelines for handling and disposing of chemicals. Be aware of pressure-related hazards when adjusting the variable pressure dial. Avoid direct contact with pressurized liquids.

- Always wear eye protection and protective clothing when operating the sprayer.
- Ensure the work area is well-ventilated when spraying chemicals.
- Do not spray flammable liquids.
- Keep children and pets away from the spraying area.
- Disconnect the battery before performing any maintenance or cleaning.
- Store the sprayer and chemicals in a secure location, out of reach of children.

Package Contents

Verify that all items listed below are included in your package:

- RYOBI 4 Gallon ONE+ Cordless Backpack Sprayer (P2860)
- 18V ONE+ 2.0 Ah Lithium-Ion Battery
- 18V ONE+ Charger
- Spray Wand with Hose
- Adjustable Spray Nozzle
- Flat Fan Nozzle
- Operator's Manual (this document)



Image: The RYOBI 4 Gallon ONE+ 18V Lithium-Ion Cordless Backpack Sprayer, showing the main unit with backpack straps, spray wand, hose, and the included 18V battery and charger.

Setup

1. Charging the Battery

1. Insert the 18V ONE+ Lithium-Ion battery into the charger.
2. Plug the charger into a standard electrical outlet.
3. Allow the battery to charge fully. The indicator light on the charger will change color (refer to charger manual for specific indications).
4. Once charged, remove the battery from the charger.

2. Attaching the Spray Wand and Hose

- Connect the spray hose to the outlet port on the sprayer unit. Ensure a secure, leak-free connection.
- Attach the spray wand to the other end of the hose.

3. Selecting and Attaching a Nozzle

- Choose the appropriate nozzle for your application: the adjustable spray nozzle for varied patterns or the flat fan nozzle for broad coverage.
- Thread the selected nozzle onto the end of the spray wand until hand-tight.

4. Filling the Tank

- Ensure the sprayer is on a level surface.
- Unscrew and remove the tank cap.
- Carefully pour the desired liquid (e.g., herbicide, insecticide, fertilizer) into the 4-gallon translucent tank. Do not overfill.
- Securely replace the tank cap.

5. Installing the Battery

- Open the battery compartment cover, typically located at the base of the sprayer.
- Slide the charged 18V ONE+ battery into the compartment until it clicks into place.
- Close the battery compartment cover securely.

Operating Instructions

1. Wearing the Sprayer

- Adjust the backpack straps for a comfortable and secure fit. The sprayer should sit evenly on your back.

2. Powering On and Adjusting Pressure

- Locate the power switch on the sprayer unit and turn it to the "ON" position.
- Use the variable dial to adjust the spray pressure to your desired setting. Higher settings provide a stronger spray, while lower settings conserve liquid and battery life.

3. Spraying

- Aim the spray wand at the target area.
- Depress the trigger on the spray wand handle to begin spraying. Release the trigger to stop.
- For continuous spraying, engage the trigger lock if available on your model.
- Adjust the nozzle as needed to change the spray pattern (e.g., fine mist, stream).

4. After Use

- Turn the power switch to the "OFF" position.
- Relieve any remaining pressure in the tank by briefly depressing the spray trigger (ensure no liquid is left to spray).
- Remove the battery from the sprayer.

Maintenance

1. Cleaning the Sprayer

- After each use, especially with chemicals, thoroughly rinse the tank, hose, and wand with clean water.
- Run clean water through the pump and nozzle to flush out any residue.

- Wipe down the exterior of the sprayer with a damp cloth.
- Do not submerge the motor housing in water.

2. Nozzle and Filter Maintenance

- Periodically check nozzles for clogs. Clean them with a small brush or by rinsing.
- Inspect the in-tank filter (if applicable) and clean it as needed to ensure proper flow.

3. Storage

- Store the sprayer in a cool, dry, and frost-free location.
- Ensure the tank is empty and clean before storage.
- Remove the battery from the sprayer during extended storage.

Troubleshooting

Problem	Possible Cause	Solution
Sprayer does not turn on.	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
No spray or weak spray.	Clogged nozzle or filter; low liquid level; air in system.	Clean nozzle/filter. Refill tank. Prime pump by spraying water.
Leaking from hose or connections.	Loose connections; damaged hose/seals.	Tighten all connections. Inspect hose and seals for damage and replace if necessary.
Hose splitting (as noted in reviews).	Material fatigue; exposure to harsh chemicals or UV.	Inspect hose regularly. Replace with genuine RYOBI replacement parts if damage occurs. Contact customer support for replacement options.

Specifications

Model: P2860

Brand: RYOBI

Power Source: 18V ONE+ Lithium-Ion Battery (Battery Powered)

Tank Volume: 4 Gallons

Hose Length: 48 Inches

Item Weight: 14.82 pounds (6.74 Kilograms)

Product Dimensions: 1 x 1 x 1 inches *(Note: These dimensions may be generic; refer to product packaging for precise measurements)*

Included Components: 1* One Pump Backpack Sprayer, 2* Nozzle Adapter (Adjustable Spray Nozzle, Flat Fan Nozzle)

Recommended Uses: Chemical sprayer, Weed Control

UPC: 046396037985

Warranty and Support

For warranty information, technical support, or to order 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 Customer Service: Please visit www.ryobitools.com/support for contact information and support resources.

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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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