RYOBI P197

RYOBI P197 ONE+ 18V 4.0Ah Lithium-Ion Battery User Manual

Model: P197

1. Introduction

This manual provides essential information for the safe and effective use of your RYOBI P197 ONE+ 18V 4.0Ah Lithium-Ion Battery. This battery is designed to power a wide range of RYOBI ONE+ 18V cordless tools, offering extended runtime and consistent performance. It features an integrated 4-stage fuel gauge to monitor charge status.



Figure 1: Front view of the RYOBI P197 ONE+ 18V 4.0Ah Lithium-Ion Battery.

2. Safety Information

WARNING: To reduce the risk of injury, fire, or electric shock, always observe the following safety precautions when using or handling the battery.

- Read and understand the operator's manual for your tool and charger before using this battery.
- **Risk of Fire and Burns:** Do not open, crush, heat above 40°C (104°F), incinerate, or short circuit the terminals.
- Use only with chargers specifically listed in the operator's manual for your tool or charger model P117.
- Remove the battery from the tool when storing, changing attachments, or making adjustments.
- Do not expose the battery to water or rain.

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Keep the battery away from children.
- Dispose of batteries properly according to local regulations. Do not dispose of in household waste.



Figure 2: Bottom view of the battery showing the warning label. This label contains critical safety instructions regarding handling, temperature limits, and disposal.

3. Setup

3.1 Initial Charging

Before first use, fully charge the battery. The battery is shipped with a low charge to prevent damage during transport.

1. Insert the battery into a compatible RYOBI 18V dual chemistry battery charger. Compatible charger models include P113, P114, P116, P117, P118, P119, P125, and P131 (chargers sold separately).
2. Ensure the battery is securely seated in the charger.
3. The charger's indicator lights will show the charging status. Refer to your charger's manual for specific light patterns.
4. Allow the battery to charge until the charger indicates a full charge.

3.2 Attaching to a Tool

To attach the battery to a compatible RYOBI ONE+ 18V tool:

1. Align the battery with the battery port on the tool.
2. Slide the battery into the tool until it clicks into place, indicating a secure connection.
3. Ensure the battery is firmly attached before operating the tool.



Figure 3: Top view of the battery, illustrating the connection interface for RYOBI ONE+ tools.

4. Operating the Battery

4.1 Fuel Gauge Indicator

The RYOBI P197 battery is equipped with a 4-stage fuel gauge to display the remaining charge. Press the button on

the battery to activate the indicator lights.



Figure 4: Side view of the battery, highlighting the 4-stage fuel gauge indicator. Each illuminated bar represents approximately 25% of the battery's charge.

- **Four bars illuminated:** 75% - 100% charge remaining.
- **Three bars illuminated:** 50% - 75% charge remaining.
- **Two bars illuminated:** 25% - 50% charge remaining.
- **One bar illuminated:** Less than 25% charge remaining; recharge soon.
- **No bars illuminated:** Battery is depleted or requires charging.

4.2 Tool Compatibility

This 4.0Ah battery is compatible with over 100 RYOBI ONE+ 18V tools. It is particularly well-suited for heavy-duty applications requiring extended runtime, such as:

- Circular Saws (e.g., P508, P507)
- Reciprocating Saws (e.g., P517, P516)
- Impact Wrenches (e.g., P1830, P261, P260)
- SDS Drills (e.g., P222)
- Hammer Drills (e.g., P214, P213)

- Various other saws (e.g., P552, P523, P549, P531, P547)
- Select yard tools (e.g., P1121, P1111, P2603, P3260, P755, P2810, P770, P750, P2660, P2210, P2030, P2080, P2180)

5. Maintenance

5.1 Cleaning

Keep the battery terminals clean and free of debris. Use a clean, dry cloth to wipe the battery exterior. Do not use solvents or harsh chemicals.

5.2 Storage

- Store the battery in a cool, dry location, away from direct sunlight and moisture.
- Avoid storing the battery in areas where temperatures may exceed 40°C (104°F) or drop below -10°C (14°F).
- For long-term storage, it is recommended to store the battery with a partial charge (e.g., 50% charge) rather than fully charged or fully depleted.
- Remove the battery from the tool when not in use for extended periods.

5.3 Disposal

Lithium-ion batteries must be recycled or disposed of properly. Do not dispose of batteries in general household waste or by incineration. Contact your local waste management authority or battery recycling center for information on proper disposal procedures.

6. Troubleshooting

Problem	Possible Cause	Solution
Battery not charging.	• Battery not properly seated in charger. • Charger malfunction. • Battery is defective (charger may flash red/green). • Extreme battery temperature.	• Re-seat the battery firmly in the charger. • Try a different compatible charger. • If the charger indicates a defective battery (e.g., flashing red/green), the battery may need replacement. • Allow the battery to cool down or warm up to room temperature before charging.
Battery not powering tool.	• Battery is depleted. • Battery not securely attached to tool. • Tool malfunction.	• Check fuel gauge and recharge if necessary. • Ensure battery is fully clicked into place on the tool. • Test the tool with a different, fully charged battery.
Fuel gauge not working after charging.	• Potential internal sensor issue.	• While the battery may still function, if the indicator remains unresponsive, contact RYOBI customer support for assistance.

7. Specifications

Feature	Detail
Model Number	P197
Brand	RYOBI
Battery Type	Lithium-Ion
Voltage	18 Volts
Capacity	4.0 Ah / 72 Wh
Item Weight	1.65 pounds
Product Dimensions	5 x 5 x 5 inches
Compatible Chargers	P113, P114, P116, P117, P118, P119, P125, P131

8. Warranty

Specific warranty details for the RYOBI P197 battery are typically provided with the product packaging or can be found on the official RYOBI website. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the manufacturer's official documentation.

9. Support

For technical assistance, troubleshooting beyond this manual, or to inquire about parts and service, please contact RYOBI customer support. Visit the official RYOBI website for contact information, FAQs, and additional product resources.

Note: Product specifications and features are subject to change without notice.

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

Email

you@example.com

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