

VONROC CD811AA

VONROC 16V 1.5Ah Lithium-Ion Battery Instruction Manual

Model: CD811AA

1. INTRODUCTION

Thank you for choosing the VONROC 16V 1.5Ah Lithium-Ion Battery. This manual provides essential information for the safe and efficient use, maintenance, and storage of your battery. Please read these instructions carefully before first use and keep them for future reference. This battery (Model CD811AA) is designed for use with compatible VONROC 16V tools, such as the CD504DC series.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and/or serious injury:

- **Read all instructions:** Before using the battery, read all instructions and cautionary markings on the battery, the battery charger, and the product using the battery.
- **Do not disassemble:** Do not disassemble the battery pack. Incorrect reassembly may result in a risk of electric shock or fire.
- **Keep away from children:** Keep the battery pack out of reach of children.
- **Use only specified charger:** Use only the charger specified by the manufacturer to recharge. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Avoid short-circuiting:** Do not short-circuit a battery pack. Do not store battery packs indiscriminately in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- **Do not expose to heat or fire:** Do not expose the battery pack to heat or fire. Avoid storage in direct sunlight.
- **Do not crush or drop:** Do not crush, drop, or damage the battery pack. Do not use a battery pack that has been dropped or received a sharp blow.
- **Do not immerse in liquid:** Do not immerse the battery pack in water or other liquids.
- **Dispose properly:** Dispose of used battery packs promptly according to local regulations.
- **Do not charge in damp conditions:** Never charge the battery in a damp or wet environment.
- **Temperature range:** Charge the battery only within the recommended temperature range (typically

0°C to 45°C or 32°F to 113°F).

3. PRODUCT OVERVIEW

The VONROC 16V 1.5Ah Lithium-Ion Battery (Model CD811AA) is a lightweight, rechargeable power source designed for various VONROC 16V cordless tools. It features lithium-ion technology, offering a long lifespan and no self-discharge, ensuring it's always ready for use.



Figure 1: Side view of the VONROC 16V 1.5Ah Lithium-Ion Battery, showing the 16V Lithium-Ion branding and the VONROC logo.



Figure 2: Angled view of the VONROC 16V 1.5Ah Lithium-Ion Battery, highlighting its compact design and connection interface.

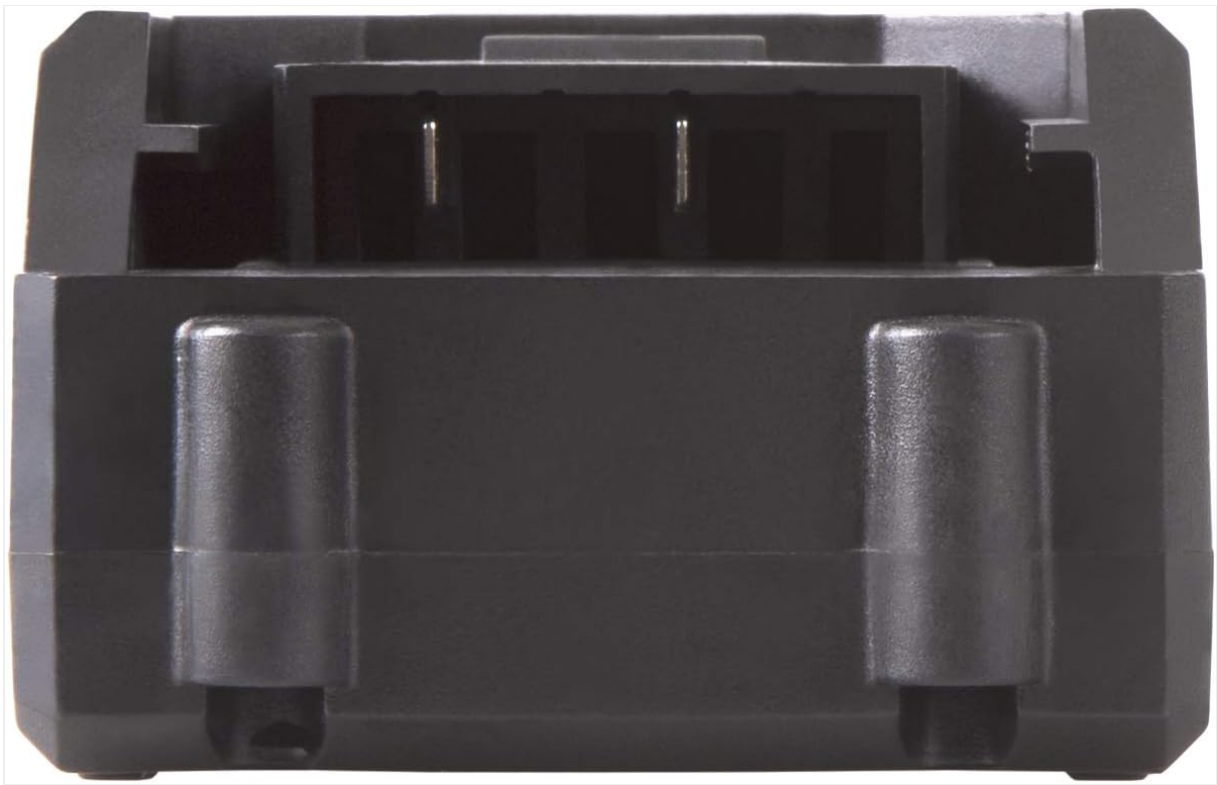


Figure 3: Close-up view of the battery's contact pins, which connect to the charger and power tools.

4. SETUP: CHARGING THE BATTERY

Before first use, the battery must be fully charged. Always use the original VONROC 16V battery charger compatible with this model (CD811AA).

1. **Connect the charger:** Plug the charger into a suitable power outlet. The charger's indicator light may illuminate to show it is ready.
2. **Insert the battery:** Slide the battery pack onto the charger, ensuring it clicks securely into place.
3. **Monitor charging:** The charger's indicator light will change (e.g., from green to red, or flashing) to indicate that charging is in progress. Refer to your specific charger's manual for exact indicator meanings.
4. **Full charge:** Once fully charged, the indicator light will typically change to a solid green. Disconnect the battery from the charger and unplug the charger from the power outlet.
5. **Avoid overcharging:** While Lithium-Ion batteries are resistant to overcharging, it is good practice to remove the battery once fully charged to prolong its lifespan.

Note: The battery may become slightly warm during charging. This is normal. If the battery becomes excessively hot, disconnect it immediately and contact customer support.

5. OPERATING INSTRUCTIONS

This battery is designed to power VONROC 16V cordless tools. Ensure the battery is fully charged before use for optimal performance.

1. **Insert into tool:** Align the battery with the battery slot on your VONROC 16V tool. Slide the battery into the tool until it clicks securely into place. Ensure it is firmly seated to prevent accidental disconnection during operation.
2. **Remove from tool:** To remove the battery, press the release button(s) on the tool (if present) and slide the battery out.

3. **Battery level indication:** Some VONROC tools or batteries may feature a battery level indicator. Consult your tool's manual for details on checking the remaining charge.
4. **Performance:** The battery provides consistent power until it is nearly depleted. Performance may decrease slightly as the charge diminishes.

Important: Always refer to the instruction manual of your specific VONROC tool for detailed operating procedures and safety warnings related to that tool.

6. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your VONROC battery.

- **Cleaning:** Keep the battery contacts clean. Use a dry, soft cloth to wipe away any dust or debris. Do not use solvents or abrasive cleaners.
- **Storage temperature:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. The ideal storage temperature is between 10°C and 25°C (50°F and 77°F).
- **Long-term storage:** For long-term storage (more than 30 days), store the battery with approximately 50% charge. Fully charged or fully discharged batteries can degrade faster during prolonged storage. Recharge the battery every 3-6 months if stored for extended periods.
- **Avoid moisture:** Do not store the battery in damp or wet conditions.
- **Protection:** Protect the battery from physical impact.

7. TROUBLESHOOTING

If you encounter issues with your battery, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Battery not charging	<ul style="list-style-type: none">◦ Charger not plugged in◦ Battery not properly seated◦ Faulty charger or battery◦ Extreme temperature	<ul style="list-style-type: none">◦ Ensure charger is securely plugged into a working outlet.◦ Re-insert battery firmly into the charger.◦ Test with another compatible charger/battery if available.◦ Move to a room temperature environment (0°C to 45°C).
Battery not powering tool	<ul style="list-style-type: none">◦ Battery not charged◦ Battery not properly inserted◦ Tool malfunction◦ Battery contacts are dirty	<ul style="list-style-type: none">◦ Charge the battery fully.◦ Re-insert battery firmly into the tool.◦ Test the tool with another known-good battery.◦ Clean battery contacts with a dry cloth.
Reduced run time	<ul style="list-style-type: none">◦ Battery aging◦ Operating in extreme temperatures◦ Heavy load on tool	<ul style="list-style-type: none">◦ Battery capacity naturally decreases over time. Consider replacement.◦ Operate within recommended temperature ranges.◦ Ensure the tool is not continuously overloaded.

If the problem persists after trying these solutions, please contact VONROC customer support.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	VONROC

Feature	Specification
Model Number	CD811AA
Battery Type	Lithium-Ion
Voltage	16 Volts
Capacity	1.5 Ah (1500 mAh)
Amperage	1.5 A
Reusability	Rechargeable
Dimensions (L x W x H)	12 x 8 x 6 cm
Weight	290 Grams

9. WARRANTY AND SUPPORT

VONROC products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official VONROC website. In case of defects or issues, VONROC aims to provide prompt support, often by sending a replacement without requiring the return of the defective item to minimize environmental impact. For technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact VONROC customer service through their official channels. You can find contact information on the VONROC website or on your purchase documentation.

Online Resources: For additional information, product registration, and support, please visit the official [VONROC Brand Store](#).