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› Artisan Power RB-4000-L Replacement Battery User Manual for Advanced Wireless AWR-4000 and AWR-4002 Radios

Artisan Power RB-4000-L

Artisan Power RB-4000-L Replacement Battery User Manual

For Advanced Wireless AWR-4000 and AWR-4002 Two-Way Radios

1. PRODUCT OVERVIEW

This manual provides instructions for the Artisan Power RB-4000-L replacement battery, designed for use with Advanced Wireless AWR Advantage AWR-4000 and AWR-4002 Two-Way Radios. This Lithium Ion rechargeable battery pack replaces the original AWB-4000 battery.

- **Compatibility:** Specifically designed for Advanced Wireless AWR-4000 and AWR-4002 Two-Way Radios.
- **Capacity:** 1200 mAh, providing reliable power.
- **Construction:** Features high-quality Lithium Ion cells made in Japan.
- **Safety Certifications:** UL 2054 Listed and UN38.3 certified, meeting safety standards for lithium-ion battery packs.
- **Replacement:** Directly replaces OEM battery number AWB-4000.



Figure 1: Front view of the Artisan Power RB-4000-L battery, displaying its model number, 1200mAh capacity, and important safety cautions regarding disassembly, short-circuiting, disposal, and charging temperature. It also indicates "Cell Made in Japan" and "Assembled in Taiwan."

2. SAFETY INFORMATION

Please read and understand all safety precautions before using this battery. Failure to follow these instructions may result in fire, electric shock, injury, or damage to the product or property.

- **Do Not Disassemble:** Never attempt to open or disassemble the battery pack.
- **Avoid Short-Circuiting:** Do not short-circuit the battery terminals.
- **Proper Disposal:** Do not dispose of the battery in fire. Dispose of batteries according to local regulations.
- **Temperature Range:** Only charge the battery within the specified temperature range of 50°F to 104°F (10°C to 40°C).
- **Impact:** Avoid dropping or subjecting the battery to severe impacts.
- **Water Exposure:** Do not expose the battery to water or moisture.
- **Certifications:** This battery is UL 2054 Listed and UN38.3 certified, ensuring it meets stringent safety standards for lithium-ion battery packs.



Figure 2: Back view of the Artisan Power RB-4000-L battery, displaying regulatory compliance marks including UL Listed, CE, and UN38.3, along with recycling symbols for lithium-ion batteries.

3. INSTALLATION

To install the Artisan Power RB-4000-L replacement battery into your Advanced Wireless AWR-4000 or AWR-4002 two-way radio, follow these steps:

1. **Power Off Radio:** Ensure your two-way radio is powered off before attempting battery replacement.
2. **Remove Old Battery:** Locate the battery compartment on the back of your radio. Follow your radio's specific instructions to unlatch and remove the existing battery.
3. **Insert New Battery:** Align the Artisan Power RB-4000-L battery with the battery compartment. Gently slide the battery into place until it clicks securely. Ensure the battery is fully seated and latched.
4. **Verify Connection:** After installation, gently tug on the battery to confirm it is firmly attached and does not wobble.



Figure 3: The Artisan Power RB-4000-L replacement battery positioned alongside an Advanced Wireless AWR Advantage two-way radio, illustrating its intended use and compatibility.

4. OPERATION AND CHARGING

4.1 Initial Charge

For optimal performance, it is recommended to fully charge the battery before its first use. Use the original charger provided with your Advanced Wireless AWR-4000 or AWR-4002 radio.

4.2 Charging Process

- Connect the radio with the installed battery to its charger.
- Ensure the charger is plugged into a working power outlet.
- Monitor the charging indicator on your radio or charger (refer to your radio's manual for specific indicator behavior).
- Charge the battery only within the temperature range of 50°F to 104°F (10°C to 40°C).

4.3 Usage

Once fully charged, the battery is ready for use. The 1200 mAh capacity provides extended operational time for your two-

way radio. The gold-plated contacts ensure a reliable connection and protect against corrosion.

The infographic features a dark background with a network of white lines at the top. A hand is shown holding two black Artisan Power replacement batteries. The batteries have labels with a barcode, 'UN38.3', 'Li-ion', 'CE', and 'RECYCLED' symbols. On the left side, there are four callout boxes: 'High Capacity' with 'Lithium-ion density' below it, a yellow chip icon, 'Gold-plated' contacts protects from corrosion, a white plug icon, 'Made with high-quality cells' from Japan, a yellow flag icon, and '* Only 1 battery included' at the bottom.

UPGRADE TO OUR POWERFUL & EFFICIENT BATTERY

High Capacity
Lithium-ion density

Gold-plated contacts
protects from corrosion

Made with **high-quality**
cells from Japan

*** Only 1 battery included**

Figure 4: An infographic detailing the key features of the Artisan Power replacement battery, including its high capacity (Lithium-ion density), gold-plated contacts for corrosion protection, and the use of high-quality cells from Japan.

5. MAINTENANCE

Proper maintenance can extend the lifespan of your battery:

- **Regular Charging:** Recharge the battery regularly, avoiding complete discharge whenever possible.
- **Storage:** If storing the battery for an extended period, charge it to approximately 50% capacity and store in a cool, dry place away from direct sunlight.
- **Cleaning:** Keep the battery contacts clean using a dry, soft cloth.
- **Avoid Extreme Temperatures:** Do not expose the battery to extreme heat or cold, as this can degrade performance and lifespan.

6. TROUBLESHOOTING

If you encounter issues with your Artisan Power replacement battery, consider the following:

- **Battery Not Charging:**
 - Ensure the battery is correctly seated in the radio and charger.

- Verify the charger is properly connected to a power source.
 - Check if the charging temperature is within the recommended range (50°F-104°F).
 - Try cleaning the battery and radio contacts with a dry cloth.
- **Short Operating Time:**
 - Ensure the battery is fully charged before use.
 - Battery capacity can decrease over time with extensive use; consider replacing if significantly degraded.
 - Operating in extremely cold environments can temporarily reduce battery performance.
 - **Radio Not Powering On:**
 - Confirm the battery is fully charged and correctly installed.
 - Test with another known-good battery if available to rule out radio issues.

If problems persist, contact Artisan Power customer support for further assistance.

7. SPECIFICATIONS

Brand	Artisan Power
Model Number	RB-4000-L
Compatible Radios	Advanced Wireless AWR-4000, AWR-4002
Replaces OEM Battery	AWB-4000
Battery Type	Lithium Ion (Li-ion)
Capacity	1200 mAh
Voltage	DC 3.7V
Energy	4.44 Wh
Cell Origin	Made in Japan
Assembly Location	Assembled in Taiwan
Certifications	UL 2054 Listed, UN38.3 Certified
Recommended Charging Temperature	50°F - 104°F (10°C - 40°C)
Dimensions	2.83 x 2.2 x 0.67 inches (approximate)
Weight	1.13 ounces (approximate)

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Artisan Power replacement battery, please contact Artisan Power directly. Refer to the official Artisan Power website or your purchase documentation for contact details.

Manufacturer: Artisan Power

Website: [Artisan Power Store on Amazon](#) (for general brand information)