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› Motorola PMNN4491B IMPRES 2100 mAh Lilon Battery User Manual

Motorola PMNN4491

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Model: PMNN4491

INTRODUCTION

This manual provides essential information for the safe and effective use of your Motorola PMNN4491B IMPRES 2100 mAh Lilon Battery. This battery is designed for use with Motorola MotoTRBO e Series radios, specifically the XPR 3000e or XPR 7000e models. It features IMPRES technology for optimized battery life and performance. Please read this manual thoroughly before use.



Image: Motorola PMNN4491B IMPRES 2100 mAh Lilon Battery. This image shows the black rectangular battery with its label visible, detailing model number PMNN4491B, voltage, capacity, and safety warnings.

SAFETY INFORMATION

CAUTION: To prevent injury, read the manual before use.

- Do not disassemble, crush, puncture, or short-circuit the battery.
- Do not expose to high temperatures or dispose of in fire.
- Use only specified Motorola chargers for this battery.
- Keep out of reach of children.
- Dispose of batteries according to local regulations. Do not dispose of with household waste.

SETUP

Initial Charging

1. Ensure the battery is securely attached to a compatible Motorola radio or placed in an IMPRES charger.
2. Connect the charger to a power source.
3. Allow the battery to charge fully before first use. An IMPRES charger will indicate when charging is complete.

Attaching to Radio

1. Align the battery with the battery compartment on the back of your Motorola MotoTRBO e Series radio (XPR 3000e or XPR 7000e).
2. Slide the battery into place until it clicks securely.
3. Ensure the battery release latch is engaged to prevent accidental detachment.

OPERATING THE BATTERY

The PMNN4491B is an IMPRES battery, designed to work optimally with IMPRES chargers and radios. IMPRES technology allows for automatic reconditioning and extended battery life.

Normal Use

- Once attached to the radio, the battery powers the device.
- Monitor the radio's battery indicator for charge level.
- Recharge the battery when the radio indicates a low power level.

IMPRES Features

- When used with an IMPRES charger, the battery communicates its status, allowing the charger to optimize charging and reconditioning cycles.
- This intelligent charging helps to maximize the battery's lifespan and capacity.

MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the battery contacts. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to approximately 50% capacity.
- **Disposal:** When the battery reaches the end of its life, dispose of it responsibly at an authorized recycling facility. Do not incinerate or dispose of in general waste.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging	Incorrectly seated in charger; dirty contacts; faulty charger; battery end-of-life.	Ensure battery is properly seated. Clean battery and charger contacts. Try a different charger. Replace battery if old.
Radio not powering on with battery	Battery not fully charged; battery not properly attached; faulty battery.	Charge battery fully. Re-attach battery securely. Test with a known good battery.
Short operating time	Battery not fully charged; battery nearing end of life; extreme operating temperatures.	Ensure full charge. If battery is old, consider replacement. Operate within recommended temperature range.

SPECIFICATIONS

- **Model Number:** PMNN4491B (also known as PMNN4491)
- **Battery Type:** Lithium Ion (Lilon)

- **Capacity:** 2100 mAh
- **Voltage:** 7.4V
- **Energy:** 15.5 Wh
- **Compatibility:** Motorola MotoTRBO e Series radios (XPR 3000e, XPR 7000e)
- **IP Rating:** IP68 (Dust tight and protected against continuous immersion in water)
- **Dimensions:** Approximately 3 x 4 x 1 inches
- **Weight:** Approximately 0.01 ounces
- **Manufacturer:** Motorola
- **Cell Origin:** Taiwan
- **Finished In:** Malaysia

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Motorola website or contact your authorized Motorola dealer. Keep your purchase receipt as proof of purchase.

Motorola Official Website: www.motorola.com