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**HQRP 887774014031602**

# HQRP Ni-MH Rechargeable Battery Instruction Manual

For Midland LXT Series Two-Way Radios

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your HQRP Ni-MH rechargeable battery. This battery is designed for compatibility with various Midland LXT series two-way radios, offering reliable power for your communication needs. Please read these instructions carefully before installation and use.

## 2. SAFETY INFORMATION

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Observe the following safety precautions to prevent damage to the battery or personal injury:

- **Do not attempt to open or disassemble the battery pack.**
- **Do not crush, puncture, or short external contacts.**
- **Do not dispose of the battery in fire or water.**
- **Do not expose the battery to temperatures above 60 °C (140 °F).**
- **Replace only with the battery pack specifically designed for your product.**



Image: HQRP Ni-MH battery showing its label with important safety warnings and specifications.

### 3. SETUP AND INSTALLATION

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To install the HQRP Ni-MH battery into your compatible Midland two-way radio:

1. Ensure your radio is powered off before beginning installation.
2. Locate the battery compartment on your Midland two-way radio. Refer to your radio's specific user manual if you are unsure.
3. Open the battery compartment cover.
4. Align the battery contacts with the corresponding terminals inside the radio's battery compartment.
5. Gently insert the battery, ensuring it sits securely in place. Do not force the battery.
6. Close the battery compartment cover until it clicks into place, ensuring a secure fit.



# Compatible with Midland BATT6R LXT-276 LXT-314 LXT-317

Image: The HQRP battery positioned next to a Midland two-way radio, demonstrating its intended use and compatibility with models such as LXT-276, LXT-314, and LXT-317.

## 4. OPERATING INSTRUCTIONS

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### Initial Charging

Before first use, fully charge the battery for optimal performance and to condition the battery cells. Refer to your radio's manual for specific charging instructions and recommended charging times.

### Regular Charging

Use only the charger supplied with your Midland two-way radio or a compatible HQRP charger. Overcharging or using an incompatible charger can damage the battery and void the warranty. The battery is designed to provide over 1000 charge-discharge cycles under proper usage conditions.

### Battery Discharge

For Ni-MH batteries, it is generally recommended to fully discharge the battery before recharging to minimize the 'memory effect' and maintain optimal capacity over time. However, modern Ni-MH batteries have a reduced memory effect compared to older generations.



Image: A graphic highlighting the HQRP battery's features, including high-quality cells, safe and reliable operation, and long-lasting, stable performance.

## 5. MAINTENANCE AND CARE

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Proper maintenance extends the life of your battery:

- **Temperature:** Avoid exposing the battery to extreme hot or cold temperatures, as this can degrade performance and lifespan.
- **Storage:** If storing the battery for an extended period, store it in a cool, dry place, ideally at a partial charge (around 50%). Avoid storing fully charged or fully discharged.
- **Cleaning:** Keep battery contacts clean and free of dirt or corrosion. Use a dry cloth to wipe them if necessary.
- **Disposal:** Dispose of old or damaged batteries responsibly according to local regulations. Do not discard with household waste.

## 6. TROUBLESHOOTING

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If you encounter issues with your HQRP battery, consider the following:

- **Battery not charging:**
  - Ensure the battery is correctly inserted into the radio or charger.
  - Verify that the charger is properly connected to a power source.
  - Check for any visible damage to the battery or charger contacts.
- **Short operating time after full charge:**
  - The battery may not be fully charged. Ensure proper charging duration.
  - Battery capacity can decrease over time with extensive use.
  - Operating in extremely cold temperatures can reduce battery performance.

If problems persist, refer to the radio's user manual or contact customer support.

## 7. SPECIFICATIONS

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<b>Brand</b>	HQRP
<b>Battery Cell Composition</b>	Ni-MH
<b>Battery Voltage</b>	4.8 Volts
<b>Capacity</b>	700 mAh
<b>Reusability</b>	Rechargeable
<b>Model Number</b>	887774014031602
<b>Compatible Models</b>	Midland LXT319, LXT440, LXT322, LXT323, LXT324, LXT460, LXT380

## 8. WARRANTY INFORMATION

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This HQRP battery comes with a **200-day warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

## 9. SUPPORT

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For further assistance, technical support, or warranty inquiries, please refer to the contact information provided with your purchase or visit the official HQRP website. Always provide your product model number and purchase details when seeking support.