



AKU-05, MIC-5000, MPI-508, MPI-511, MRU-101

Generic Ni-MH Battery User Manual

For SONEL AKU-05, MIC-5000, MPI-508, MPI-511, MRU-101

1. INTRODUCTION

Welcome to the user manual for your new Generic Ni-MH rechargeable battery. This battery is specifically designed for use with SONEL devices, including models AKU-05, MIC-5000, MPI-508, MPI-511, and MRU-101. To ensure optimal performance, longevity, and safe operation, please read this manual thoroughly before initial use and retain it for future reference.



Figure 1: Generic Ni-MH Battery. This image displays the rechargeable battery, highlighting its compact design and standard form factor suitable for compatible SONEL devices.

2. SETUP

2.1 Initial Charging

Before using the battery for the first time, it is recommended to fully charge it. This process conditions the battery for optimal performance.

1. Connect the battery to a compatible SONEL charger. Refer to your specific SONEL device's user manual for detailed charging instructions and compatible chargers.
2. Ensure the charger is connected to a stable power source.
3. Allow the battery to charge until the charger's indicator shows a full charge.

2.2 Battery Installation

Follow these steps to correctly install the battery into your SONEL device:

1. Ensure the SONEL device is powered off and disconnected from any power source.
2. Locate the battery compartment on your SONEL device. This is typically found on the back or bottom of the unit.
3. Open the battery compartment cover.
4. Carefully insert the battery, ensuring that the positive (+) and negative (-) terminals align correctly with the device's contacts. Do not force the battery into place.
5. Close the battery compartment cover securely.
6. Power on the device to confirm proper installation and functionality.

3. OPERATING INSTRUCTIONS

3.1 Charging the Battery

- Always use a charger specifically designed for Ni-MH batteries and compatible with your SONEL device. Using an incompatible charger may damage the battery or device.
- Avoid overcharging. Disconnect the charger once the battery is fully charged to prevent unnecessary stress on the cells.
- Charge the battery in a well-ventilated area, away from direct sunlight, high humidity, or extreme temperatures.

3.2 General Usage

- Operate the battery within the recommended temperature range specified in your SONEL device's manual. Extreme temperatures can affect battery performance and lifespan.
- Avoid frequently fully discharging the battery. While Ni-MH batteries are less prone to memory effect than older Ni-Cd types, deep discharges can still reduce overall lifespan.
- If your device indicates a low battery level, recharge it promptly to avoid unexpected shutdowns.

4. MAINTENANCE

4.1 Cleaning

- Periodically inspect and clean the battery contacts and the device's terminals using a dry, clean cloth. This ensures a good electrical connection and prevents corrosion.
- Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the battery or device.

4.2 Storage

- If storing the battery for an extended period (more than one month), charge it to approximately 50-70% capacity.
- Store the battery in a cool, dry place, away from direct sunlight, high temperatures, and high humidity.

- For very long-term storage, recharge the battery every 3-6 months to prevent deep discharge, which can permanently damage Ni-MH cells.

4.3 Disposal

- Do not dispose of the battery in household waste. Batteries contain materials that can be harmful to the environment if not disposed of properly.
- Follow local regulations for the proper recycling and disposal of rechargeable batteries. Many electronic retailers and municipal recycling centers offer battery recycling programs.

5. TROUBLESHOOTING

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

- **Battery Not Charging:**
 - Ensure the charger is properly connected to both the battery/device and the power outlet.
 - Verify that the charger is compatible with Ni-MH batteries and your specific SONEL device model.
 - Check for any visible damage to the battery, charger, or charging cable.
 - Clean the battery contacts and device terminals with a dry cloth.
- **Short Battery Life:**
 - The battery may be nearing the end of its operational lifespan. Rechargeable batteries have a finite number of charge cycles.
 - Ensure the battery is fully charged before each use.
 - Operating the device in extreme hot or cold temperatures can significantly reduce battery performance and capacity.
- **Device Not Powering On with Battery:**
 - Confirm the battery is correctly installed and fully charged.
 - Check if the battery contacts are clean and making proper connection with the device terminals.
 - If possible, test the device with another known-good battery to determine if the issue lies with the battery or the device itself.

6. SPECIFICATIONS

Feature	Specification
Battery Type	Ni-MH
Voltage	7.2V
Capacity	3000mAh / 21.60Wh
Dimensions	260.70 x 25.60 x 25.60mm
Reusability	Rechargeable
Compatible SONEL Models	MIC-5000, MPI-508, MPI-511, MRU-101
Compatible SONEL Part Numbers	AKU-05, WAAKU05

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This Generic Ni-MH battery product is covered by a **2-year warranty** from the date of purchase. Please retain your proof of purchase (receipt or invoice) as it will be required for any warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper storage.

7.2 Technical Support

For technical assistance, troubleshooting beyond the scope of this manual, or warranty inquiries, please contact your original retailer or the product manufacturer. Please have your product model number and proof of purchase ready when contacting support.