

Nikon MH-22

Nikon MH-22 Quick Charger Instruction Manual

For EN-EL4 and EN-EL4A Rechargeable Batteries

1. INTRODUCTION

Thank you for choosing the Nikon MH-22 Quick Charger. This manual provides essential information for the safe and effective use of your charger, designed specifically for Nikon EN-EL4 and EN-EL4A rechargeable lithium-ion batteries. Please read these instructions thoroughly before use and retain them for future reference.

2. SAFETY PRECAUTIONS

To prevent injury or damage to the product, observe the following safety guidelines:

- Use only with compatible Nikon EN-EL4 and EN-EL4A batteries.
- Do not attempt to charge non-rechargeable batteries.
- Keep the charger dry. Do not expose it to rain, moisture, or extreme temperatures.
- Do not disassemble, modify, or attempt to repair the charger. Refer servicing to qualified personnel.
- Ensure the power cord is securely connected and free from damage.
- Unplug the charger from the power outlet when not in use or during electrical storms.
- Keep out of reach of children.
- The charger accepts 100-240V AC power. For use outside North America, an appropriate adapter plug (not supplied) may be required.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Nikon MH-22 Quick Charger Unit
- Power Cord
- Instruction Manual (this document)

4. PRODUCT OVERVIEW



Figure 1: Nikon MH-22 Quick Charger. This image shows the Nikon MH-22 Quick Charger. It features two battery slots, labeled 'L' (Left) and 'R' (Right), for EN-EL4 and EN-EL4A batteries. The central panel displays charge indicators (100%, 80%, 50%) and estimated charging times (6h, 4h, 2h), along with a 'CAL ON' indicator and two calibration buttons. The 'AC IN' port is visible on the left side for power connection.

The Nikon MH-22 is a dual-bay charger designed for efficient charging and calibration of Nikon EN-EL4 and EN-EL4A batteries. It features clear LED indicators for charge status and dedicated buttons for battery calibration.

5. SETUP

- Connect Power:** Insert the provided power cord into the 'AC IN' port on the left side of the charger. Plug the other end of the power cord into a standard electrical outlet (100-240V AC).
- Power Indicator:** Once connected, the charger's indicators may briefly illuminate, indicating it is receiving power.

6. OPERATING INSTRUCTIONS

6.1. Charging Batteries

- Insert Battery:** Align a Nikon EN-EL4 or EN-EL4A battery with one of the charging bays (L or R) and gently slide it in until it clicks into place. Ensure proper orientation.
- Charging Process:** The charger will automatically begin charging the inserted battery. If two batteries are inserted, the charger will charge them sequentially, one after the other, not simultaneously.
- Charge Indicators:** The LED indicators (50%, 80%, 100%) will illuminate to show the approximate charge level. A blinking indicator typically signifies active charging, while a solid light indicates the charge level has been reached.
 - **50% LED:** Indicates charging is in progress and battery is below 50% or has reached 50%.
 - **80% LED:** Indicates charging is in progress and battery is below 80% or has reached 80%.
 - **100% LED:** Indicates charging is complete.
- Remove Battery:** Once the 100% indicator is solid, the battery is fully charged. Gently press the release tab (if present) and slide the battery out of the bay.

6.2. Battery Calibration

Battery calibration helps to optimize battery performance and accuracy of remaining charge indicators. It is recommended to calibrate batteries periodically.

- 1. Insert Battery:** Insert an EN-EL4 or EN-EL4A battery into either charging bay.
- 2. Initiate Calibration:** Press the 'CALIBRATION' button located below the corresponding battery bay (L or R). The 'CAL ON' indicator will illuminate.
- 3. Calibration Process:** The charger will first fully discharge the battery, then fully recharge it. This process can take several hours (e.g., up to 6 hours or more depending on battery state). Do not remove the battery during calibration.
- 4. Completion:** Calibration is complete when the 'CAL ON' indicator turns off and the 100% charge indicator is solid.

7. MAINTENANCE

- **Cleaning:** Disconnect the charger from power before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery Contacts:** Periodically inspect the battery contacts on both the charger and batteries for dirt or corrosion. Clean gently with a dry cotton swab if necessary.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger indicators do not light up.	No power supply; loose power cord.	Ensure the power cord is securely plugged into both the charger and the wall outlet. Check the power outlet.
Battery not charging.	Battery not inserted correctly; incompatible battery; faulty battery.	Re-insert the battery, ensuring it clicks into place. Verify it is an EN-EL4 or EN-EL4A battery. Try another battery if available.
Calibration button unresponsive or stuck.	Mechanical issue with the button.	Discontinue use and contact Nikon customer support for assistance.

9. SPECIFICATIONS

Brand	Nikon
Model Number	MH-22 (Mfr Part Number: 25375)
Compatible Batteries	Nikon EN-EL4, EN-EL4A Lithium-Ion
Input Voltage	100-240V AC

Output Voltage	Specific to battery charging requirements (e.g., 12.6V DC)
Number of Charging Ports	2 (Sequential Charging)
Item Weight	Approximately 1.15 Pounds (0.52 kg)
Certifications	UL, CE, FCC

10. WARRANTY AND SUPPORT

The Nikon MH-22 Quick Charger is covered by a **1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. For warranty claims, technical support, or service inquiries, please contact Nikon customer service.

Please refer to the official Nikon website or your purchase documentation for detailed warranty terms and contact information.