

**EBL C9010N**

# EBL C9010N 8-Bay Battery Charger User Manual

For NiMH NiCD AA/AAA Rechargeable Batteries

## 1. INTRODUCTION

Thank you for choosing the EBL C9010N 8-Bay Battery Charger. This charger is designed for efficient and safe charging of NiMH and NiCD AA/AAA rechargeable batteries. It features independent charging slots, smart detection, and multiple safety protections to ensure optimal battery life and user safety. Please read this manual thoroughly before use to ensure proper operation and maintenance.

## 2. SAFETY INFORMATION

- Only charge NiMH and NiCD rechargeable batteries. Do not attempt to charge alkaline, carbon-zinc, or any other type of battery, as this may lead to leakage, rupture, or explosion.
- Do not disassemble or modify the charger.
- Do not expose the charger to rain or moisture. Use in dry indoor conditions only.
- Keep out of reach of children.
- Ensure proper polarity (+/-) when inserting batteries into the charger.
- Unplug the charger from the power source when not in use or before cleaning.
- If the charger or batteries become excessively hot during charging, discontinue use immediately and contact customer support.

## 3. PRODUCT OVERVIEW



Figure 3.1: The EBL C9010N 8-Bay Battery Charger, shown with its accompanying USB-C charging cable. The charger features eight individual slots for AA or AAA batteries and LED indicators above each slot.

The EBL C9010N charger is designed for convenience and efficiency. It features:

- **8 Independent Charging Slots:** Allows charging of 1 to 8 AA or AAA NiMH/NiCD batteries simultaneously or individually.
- **USB-C Input:** Modern and versatile input for power.
- **Smart LED Indicators:** Each slot has an LED that indicates charging status (Red for charging, Green for fully charged, Red flashing for error).
- **Multi-Protection System:** Includes over-charge, over-current, over-voltage, over-heat, and short-circuit protection.



# Universal Charger and Individual Slots

Multiple choice - can freely charge 1-8Pcs AA AAA Ni-MH Ni-CD Rechargeable Batteries



Figure 3.2: The EBL C9010N charger demonstrating its universal compatibility with various capacities of AA and AAA NiMH/NiCD batteries, highlighting its individual slot charging capability.

## 4. SETUP

1. **Connect Power:** Plug the USB-C cable into the charger's input port. Connect the other end of the USB-C cable to a 5V/2A USB power source, such as a wall adapter, power bank, computer USB port, or car charger.
2. **Power Indicator:** When power is connected, the LED indicators on the charger will briefly light up green for 1 second, then turn off, indicating the charger is ready.



## Fast Individual Battery Charger

With 5V/2A USB Input, charging your batteries more quickly than normal.

Figure 4.1: The EBL C9010N charger receiving power via its 5V/2A USB-C input, illustrating the fast charging capability.



Figure 4.2: The versatility of the EBL C9010N charger, showing it can be powered by various USB sources including a PC, wall plug, power bank, or car charger.

## 5. OPERATING INSTRUCTIONS

1. **Insert Batteries:** Carefully insert 1 to 8 AA or AAA NiMH/NiCD rechargeable batteries into the charging slots, ensuring correct polarity (+/-).
2. **Charging Indication:** The LED indicator above each slot will turn **Red** to indicate that charging is in progress for that specific battery.
3. **Full Charge Indication:** Once a battery is fully charged, its corresponding LED indicator will turn **Green**.
4. **Error Detection:** If a non-rechargeable, defective, or incorrectly inserted battery is detected, the LED will flash **Red** for 1 second and then turn off. Remove the problematic battery immediately.
5. **Remove Batteries:** Once charging is complete (LED is Green), remove the batteries from the charger.

# LED Indicates Different Charging Progress



Figure 5.1: A visual guide to the LED indicators on the EBL C9010N charger: Red indicates charging in progress, Green indicates fully charged, and Red flashing indicates an error.

## 6. MAINTENANCE

- **Cleaning:** Disconnect the charger from the power source before cleaning. Use a soft, dry cloth to wipe the surface of the charger. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid over-discharging batteries. It is recommended to charge batteries before they are completely depleted.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED does not light up when batteries are inserted.	No power connection; Incorrect battery insertion; Battery is already fully charged.	Ensure charger is properly connected to a 5V/2A USB power source. Check battery polarity. If battery is fully charged, the LED will remain off.



Problem	Possible Cause	Solution
LED flashes Red.	Non-rechargeable battery; Defective battery; Short-circuit.	Remove the battery. Ensure you are using NiMH/NiCD rechargeable batteries. Try a different battery.
Batteries do not charge or charge slowly.	Insufficient power input; Old/worn-out batteries.	Ensure your USB power source provides 5V/2A output. Consider replacing old batteries.
Charger or batteries become hot.	Normal during charging; Overheating due to faulty battery or charger.	A slight warmth is normal. If excessively hot, remove batteries and unplug charger. Contact customer support if problem persists.

## 8. SPECIFICATIONS

- **Model:** C9010N
- **Input:** DC 5V/2A
- **Output:** 1.2V DC (AA: 450mA x 8, AAA: 225mA x 8)
- **Compatible Batteries:** AA/AAA NiMH NiCD rechargeable batteries
- **Dimensions:** Approximately 0.2 x 0.2 x 0.2 inches (Product Dimensions)
- **Weight:** Approximately 4.9 ounces

## 9. WARRANTY AND SUPPORT

EBL provides a standard warranty for this product. For detailed warranty information, technical support, or any inquiries, please visit the official EBL website or contact their customer service directly. Please retain your purchase receipt for warranty claims.

**EBL Official Store:** [Visit EBL Store on Amazon](#)

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Documents - EBL – C9010N



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