

EBL 808U

EBL 808U AA AAA Battery Charger and 1100mAh NiMH AAA Rechargeable Batteries User Manual

Model: 808U | Brand: EBL

INTRODUCTION

This manual provides essential information for the safe and efficient use of your EBL 808U AA AAA Battery Charger and the accompanying 1100mAh NiMH AAA rechargeable batteries. Please read these instructions carefully before use and retain them for future reference.

PRODUCT FEATURES

- **8-Slot Independent Charging:** The charger can simultaneously charge 1 to 8 NiMH/NiCd AA or AAA rechargeable batteries. Each slot features a clear LED indicator for individual battery status.
- **Intelligent Safety System:** Equipped with an advanced MCU control system, the charger automatically ceases charging upon detecting improper input voltage, defective batteries, or short circuits. Its design promotes heat dissipation for stable performance.
- **Dual USB Charging Ports:** Two integrated USB ports (5V/2A output) allow for simultaneous charging of smartphones, tablets, or other USB-powered devices alongside batteries.
- **High-Performance AAA Batteries:** Includes 16 EBL 1.2V 1100mAh NiMH AAA rechargeable batteries. These batteries feature ProCyco technology, extending their cycle life to over 1200 times.
- **Low Self-Discharge Technology:** EBL batteries maintain approximately 80% of their charge capacity even after 3 years of storage, thanks to advanced low self-discharge technology.

SETUP INSTRUCTIONS

1. **Connect the Charger:** Plug the AC power cable into the charger's input port, then connect the other end to a standard wall outlet. The LED indicators will briefly illuminate.
2. **Insert Batteries:** Insert 1 to 8 AA or AAA NiMH/NiCd rechargeable batteries into the charging slots, ensuring correct polarity (+/-).
3. **Observe LED Indicators:** Each slot has an LED indicator. A red light typically indicates charging, while a green light signifies a fully charged battery. Refer to the 'Operating Instructions' section for detailed LED

status meanings.

4. **Utilize USB Ports (Optional):** Connect your USB-powered devices (e.g., smartphone, tablet) to the two USB output ports on the charger for simultaneous charging.

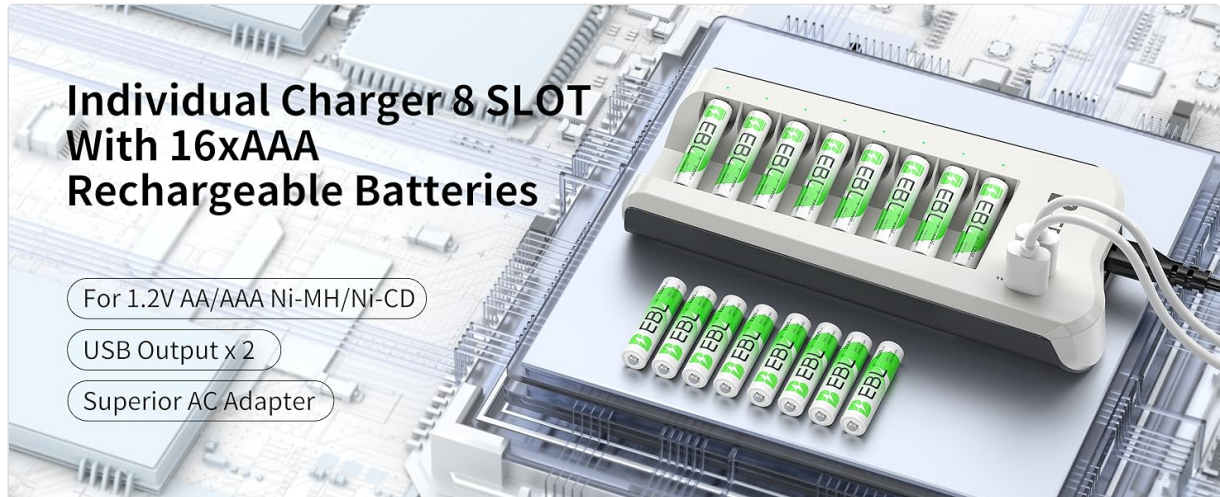


Image: EBL 808U charger with 8 AAA batteries inserted, demonstrating independent charging slots.



Image: EBL 808U charger simultaneously charging a smartphone and tablet using its dual USB output ports.

OPERATING INSTRUCTIONS

Charging Process

Once batteries are correctly inserted and the charger is powered, the charging process begins automatically. The intelligent system detects battery type and condition.

- **Red LED:** Indicates that the battery in that slot is currently charging.
- **Green LED:** Indicates that the battery in that slot is fully charged.
- **Flashing Red LED or No Light:** May indicate a non-rechargeable battery, a defective battery, or incorrect insertion. Remove and re-insert the battery, or replace it if it's non-rechargeable or faulty.



Image: LED indicator guide for the EBL 808U charger, illustrating different charging statuses.

USB Device Charging

The two USB output ports provide 5V/2A power for charging external devices. This function can be used simultaneously with battery charging. Ensure your device's charging cable is compatible with the USB ports.

Official Product Video

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Video: An official EBL video demonstrating the features and operation of the EBL New Generation Independent Charger, including its 8 independent charging slots, dual USB output, and intelligent charging functions. Duration: 0:37.

MAINTENANCE

- **Cleaning:** Disconnect the charger from power before cleaning. Use a dry, soft cloth to wipe the charger and batteries. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the charger and batteries in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to store batteries with a partial charge.
- **Temperature Adaptability:** EBL batteries are designed to perform across a wide temperature range, from -20°C to +60°C. However, for optimal battery life and safety, avoid charging or storing in extreme conditions.



Image: EBL batteries demonstrating superior temperature adaptability for use in various environments.



Image: Zero Leakage Technology in EBL batteries, highlighting the unique anti-leakage ring and DBCK steel shell for enhanced safety and stability.

TROUBLESHOOTING

- **Battery Not Charging (No LED or Flashing Red):**
 - Ensure the battery is a rechargeable NiMH or NiCd type. The charger cannot charge alkaline or carbon-zinc batteries.
 - Check battery polarity. Re-insert the battery with the correct positive (+) and negative (-) orientation.
 - The battery might be defective or short-circuited. Try a different battery to confirm.
 - If the battery voltage is extremely low, the charger may attempt to refresh it. If charging does not start after a few minutes, the battery might be beyond recovery.
- **USB Devices Not Charging:**
 - Ensure the charger is properly connected to a power source.
 - Verify the USB cable is securely connected to both the charger and the device.
 - Check if the USB device requires more than 5V/2A input, which might exceed the charger's output capacity.
- **Charger Overheating:** While the charger is designed for good heat dissipation, excessive heat can occur if used in a confined space or if defective batteries are inserted. Ensure adequate ventilation and remove any hot batteries immediately.

SPECIFICATIONS

Specification	Value
Brand	EBL
Model Number	808U
Product Dimensions	1.1"D x 3.7"W x 7.2"H
Item Weight	0.37 Pounds
Input Voltage	120 Volts (AC)
Output Voltage (USB)	5 Volts

Current Rating (USB)	2.1 Amps
Compatible Devices (USB)	iPad, Tablet, Smartphone
Battery Type (Charger)	NiMH, NiCd (AA, AAA)
Battery Capacity (AAA)	1100mAh
Battery Voltage (AAA)	1.2V
Safety Certification	UL

SAFETY INFORMATION

The EBL 808U charger incorporates multiple safety features to protect both the charger and your batteries:

- **Short-circuit Protection:** Prevents damage from short circuits.
- **Overcharge Protection:** Stops charging once batteries are full to prevent overcharging.
- **Overcurrent Protection:** Safeguards against excessive current flow.
- **Overvoltage Protection:** Protects against voltage surges.
- **Overheat Protection:** Monitors temperature to prevent overheating.
- **Reverse Battery Protection:** Prevents damage if batteries are inserted incorrectly.

Always use the charger in a well-ventilated area. Do not disassemble or modify the charger or batteries. Keep out of reach of children.

Safe and Robust

The outer shell is made of durable & fireproof material and high-quality rust-proof hardware. After strict drop test, it can still be used even if accidentally dropped.

100 cm
Drop test

300 times
Repeated drop test

The image shows the EBL 808U charger, a white rectangular device with four green indicator lights on top, resting on a pile of grey rocks. Several smaller rocks are shown in mid-air around the charger, suggesting a drop test. The background is a light blue gradient.

Image: Comprehensive protection features of the EBL charger, ensuring safe operation.

WARRANTY AND SUPPORT

EBL products typically come with a manufacturer's warranty. For specific warranty details, product support, or technical assistance, please refer to the warranty card included with your purchase or visit the official EBL website. You may also contact EBL customer service directly for further assistance.