

everActive NC-1600

EverActive NC-1600 Charger User Manual

Model: NC-1600

1. SAFETY INSTRUCTIONS

- Read all instructions before using the charger.
- This charger is designed for Ni-MH AA and AAA rechargeable batteries only. Do not attempt to charge other battery types (e.g., alkaline, Ni-Cd, Li-ion) as this may cause explosion, rupture, or leakage, leading to personal injury or property damage.
- Do not disassemble or modify the charger.
- Do not expose the charger to rain, moisture, or extreme temperatures.
- Ensure proper ventilation during charging. Do not cover the charger.
- Keep out of reach of children.
- Unplug the charger from the power outlet when not in use.
- If the charger or batteries become excessively hot during charging, discontinue use immediately and contact customer support.
- Do not use damaged batteries.

2. PRODUCT OVERVIEW

The EverActive NC-1600 is an advanced microprocessor-controlled charger designed for Ni-MH AA and AAA rechargeable batteries. It features 16 independent charging slots, allowing for simultaneous charging of various battery combinations. The integrated LCD display provides real-time status updates for each battery.

Key Features:

- **16 Independent Charging Slots:** Charges 1 to 16 AA (R6) or AAA (R03) Ni-MH batteries simultaneously.
- **Microprocessor Controlled:** Ensures optimal charging performance and battery longevity.
- **Delta V Detection:** Automatically terminates charging when batteries are full to prevent overcharging.
- **LCD Display with Backlight:** Shows individual battery status, charging progress, and error messages.
- **Refresher Mode:** Helps to revitalize older batteries and reduce memory effect.

- **Safety Protections:** Includes protection against overheating, overcharge, and detection of bad or alkaline batteries.
- **Car Adapter Included:** Allows for charging on the go.



Image 1: Top view of the EverActive NC-1600 charger, showing the 16 battery slots and two LCD screens.

3. PACKAGE CONTENTS

Please check the package for the following items:

- EverActive NC-1600 Battery Charger
- AC Power Adapter (Input: 240V, Output: 12V DC)
- 12V Car Adapter
- User Manual



Image 2: The EverActive NC-1600 charger, AC power adapter, car adapter, and user manual laid out.

4. SETUP

4.1 Connecting the Power Adapter

1. Insert the DC plug of the AC power adapter into the DC input jack located on the back of the charger.
2. Plug the AC power adapter into a standard wall outlet (240V).
3. Alternatively, for in-car use, insert the DC plug of the car adapter into the charger's DC input jack and plug the car adapter into your vehicle's 12V accessory socket.
4. The LCD displays will illuminate, indicating the charger is ready for use.



Image 3: The AC power adapter and the 12V car adapter for the EverActive NC-1600 charger.

5. OPERATING INSTRUCTIONS

5.1 Inserting Batteries

1. Ensure the charger is connected to a power source.
2. Insert 1 to 16 AA or AAA Ni-MH rechargeable batteries into the charging slots. Observe the correct polarity (+ and -) as indicated on the charger.
3. The charger can accommodate a mix of AA and AAA batteries simultaneously.
4. Each battery slot is independent. The LCD display will show the status for each inserted battery.



Image 4: The EverActive NC-1600 charger with 16 AA batteries correctly inserted into the charging slots.

5.2 Charging Process

- Once batteries are inserted, the charger automatically detects the battery type and initiates the charging process.
- The LCD display for each slot will show the charging status, typically with a battery icon and bars indicating charge level. Blinking bars usually indicate active charging.
- The charger uses Delta V detection to determine when a battery is fully charged. Once charged, the display for that battery will show a full battery icon, and the charging current will switch to a trickle charge to maintain full capacity without overcharging.
- Charging time is approximately 4 hours for typical AA/AAA Ni-MH batteries, depending on their capacity and discharge level.

5.3 Refresher Mode

The NC-1600 features a refresher mode to help improve battery performance and extend lifespan, especially for older batteries or those exhibiting a "memory effect."

1. To activate refresher mode, insert the batteries and then press and hold the "REFRESH" button (located on the right side of the charger) for approximately 3 seconds.
2. The charger will first discharge the batteries completely, then automatically proceed to a full charge cycle.
3. The LCD display will indicate the refresher process.
4. *Note:* Refresher mode takes longer than a standard charge cycle due to the discharge phase.

6. MAINTENANCE

- **Cleaning:** Disconnect the charger from the power source 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.
- **Battery Care:** For optimal battery life, avoid fully discharging Ni-MH batteries frequently. Use the refresher mode periodically if batteries show signs of reduced capacity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Charger not powering on.	No power connection.	Ensure the AC adapter is securely plugged into the charger and a live wall outlet. Check the car adapter connection if using in a vehicle.
Battery not charging / Error on LCD.	Incorrect battery type, damaged battery, or incorrect polarity.	• Verify the battery is a Ni-MH AA or AAA type. • Check that the battery is inserted with correct polarity (+/-). • Remove and reinsert the battery. • Try charging a different battery in the same slot to check if the slot is faulty. • If the battery is old or damaged, it may not be rechargeable.
Batteries get warm during charging.	Normal operation.	It is normal for batteries to become warm during charging. If they become excessively hot (uncomfortable to touch), discontinue charging and remove them. Ensure adequate ventilation.
Charging takes longer than expected.	High capacity batteries, deeply discharged batteries, or refresher mode active.	High capacity batteries (e.g., 2800mAh AA) naturally take longer to charge. Deeply discharged batteries also require more time. If refresher mode is active, the cycle will be extended.

8. SPECIFICATIONS

Model:	NC-1600
Compatible Battery Types:	Ni-MH AA (R6), AAA (R03)
Number of Slots:	16 independent slots
Input Voltage (AC Adapter):	240 Volts
Output Voltage (Charger):	12 Volts (DC)
Charging Current:	500 Milliamps (per slot, typical)
Approximate Charging Time:	4 Hours (for typical batteries)
Product Dimensions (D x W x H):	280 x 30 x 105 centimetres
Item Weight:	0.43 Kilograms
Certifications:	CE

9. WARRANTY AND SUPPORT

EverActive products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package or visit the official EverActive website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact your retailer or the EverActive

customer service department. Contact information can typically be found on the product packaging or the official EverActive website.