

## Camelion BC-1091

# Camelion BC-1091 Battery Charger User Manual

Model: BC-1091

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Camelion BC-1091 Battery Charger. Please read this manual thoroughly before using the charger to ensure proper usage and to prevent damage to the device or batteries.

## 2. PRODUCT FEATURES

The Camelion BC-1091 Battery Charger is designed for convenience and efficiency, offering the following key features:

- **Versatile Charging:** Capable of charging 1 or 2 AA/AAA Ni-MH/Ni-Cd rechargeable batteries.
- **Independent Charging Channels:** Features two independent charging channels, allowing simultaneous charging of one or two batteries for optimal performance.
- **Worldwide Compatibility:** Supports international voltage (AC 100-240V, 50/60Hz), making it suitable for travel.
- **Polarity Protection:** Integrated protection mechanism to prevent battery damage from incorrect insertion.
- **LED Indicators:** Two LED displays provide clear indication of the battery charging status.
- **Sleek Design:** Presented in a stylish black finish.
- **Included Batteries:** Comes with two 2300mAh Ni-MH AA batteries for immediate use.

## 3. PACKAGE CONTENTS

Upon opening the package, please ensure all items are present and in good condition:

- 1 x Camelion BC-1091 Battery Charger
- 2 x Camelion 2300mAh Ni-MH AA Rechargeable Batteries

- 1 x User Manual (this document)

BC-1091

# Camelion®

## Battery Charger

AA/AAA  
9V  
NI-MH

3  
Independent  
Channels



4  
Battery  
Indicators

Safety  
Timer

2500  
mAh

Smart Charge

After  
Year

AC  
100-240V

Timer  
Control

General

Please read WARNINGS on the Back & Bottom cover

## 4. SAFETY INFORMATION

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**WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the charger or batteries.**

- Use only Ni-MH or Ni-Cd rechargeable batteries with this charger. Do not attempt to charge alkaline, carbon-zinc, or any other non-rechargeable battery types.
- Do not disassemble, modify, or repair the charger. Refer all servicing to qualified personnel.
- Do not expose the charger to rain, moisture, or extreme temperatures.
- Ensure proper battery polarity (+/-) when inserting batteries into the charger. The charger has polarity protection, but incorrect insertion can still cause issues.
- Keep the charger and batteries out of reach of children.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Do not operate the charger if it has been damaged in any way.
- It is normal for the charger and batteries to become warm during charging. However, if they become excessively hot, unplug the charger immediately.

## 5. SETUP

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Follow these steps to set up your Camelion BC-1091 Battery Charger:

1. **Unpack:** Carefully remove the charger and batteries from their packaging.
2. **Inspect:** Check the charger and batteries for any visible damage. Do not use if damaged.
3. **Placement:** Place the charger on a flat, stable, and non-flammable surface, away from direct sunlight, heat sources, and moisture. Ensure adequate ventilation around the charger.



Image 2: The Camelion BC-1091 Battery Charger unit, showing the two battery slots.

## 6. OPERATING INSTRUCTIONS

To charge your batteries using the BC-1091 charger:

1. **Insert Batteries:** Insert one or two AA or AAA Ni-MH/Ni-Cd rechargeable batteries into the charging slots. Ensure the correct polarity (+ and -) is observed. The charger is designed with polarity protection.
2. **Connect to Power:** Plug the charger into a standard AC 100-240V, 50/60Hz wall outlet.
3. **Monitor Charging:** The LED indicator(s) corresponding to the inserted battery slot(s) will illuminate, indicating that charging is in progress. The charger features independent channels, so each battery's status is monitored separately.
4. **Charging Completion:** The LED indicators will remain lit during the entire charging process. This charger does not feature automatic shut-off or charge completion indication. Refer to the "Charging Times" section to estimate when batteries are fully charged.
5. **Remove Batteries:** Once the estimated charging time has elapsed, unplug the charger from the wall outlet. Carefully remove the charged batteries from the slots.

*Note: Overcharging can reduce battery lifespan. It is recommended to remove batteries once the estimated charging time is reached.*

## 7. ESTIMATED CHARGING TIMES

The following table provides approximate charging times for various battery capacities:

Battery Type & Capacity	Approximate Charging Time
AA Ni-MH 2700mAh	23 hours
AA Ni-MH 2000mAh	18 hours
AA Ni-MH 1500mAh	14 hours
AAA Ni-MH 800mAh	8 hours
AA Ni-Cd 1000mAh	9 hours
AAA Ni-Cd 300mAh	2.5 hours

*Note: Charging times are approximate and may vary based on battery condition, ambient temperature, and initial charge level.*

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your charger:

- **Cleaning:** Unplug the charger 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 when not in use. Avoid extreme temperatures and humidity.
- **Battery Care:** For best results, fully discharge Ni-Cd batteries periodically before recharging to prevent memory effect. Ni-MH batteries do not typically suffer from memory effect.

## 9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
LED indicator does not light up.	Charger not plugged in, power outlet not working, or battery inserted incorrectly.	Ensure charger is securely plugged into a live outlet. Check battery polarity. Try a different outlet.
Batteries are not charging.	Batteries are non-rechargeable, damaged, or fully charged.	Ensure batteries are Ni-MH/Ni-Cd rechargeable type. Inspect batteries for damage. If batteries are already charged, the charger will not initiate a charge cycle.
Charger or batteries become excessively hot.	Overcharging, faulty battery, or poor ventilation.	Unplug immediately. Ensure batteries are not overcharged (refer to charging times). Ensure charger is in a well-ventilated area. Replace faulty batteries.

If the problem persists after trying these solutions, please contact customer support.

## 10. SPECIFICATIONS

- **Model:** BC-1091
- **Brand:** Camelion
- **Input:** AC 100-240V ~ 50/60Hz
- **Output:** 2x (1.4V 150mA)
- **Compatible Battery Types:** AA/AAA Ni-MH/Ni-Cd
- **Dimensions (L x W x H):** 12 cm x 5 cm x 10 cm (approx.)
- **Weight:** 200 grams (approx.)
- **Color:** Black
- **Certifications:** CE, RoHS (as per product data)

## 11. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Camelion website. Keep your purchase receipt as proof of purchase.

For further assistance, you may contact Camelion customer service through their official channels.