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Camelion CM-3298

Camelion CM-3298 Universal Fast Charger

User Manual

1. Introduction

Thank you for choosing the Camelion CM-3298 Universal Fast Charger. This advanced 8-channel charger is designed to efficiently charge various rechargeable battery types, including AA, AAA, C, D, and 9V Ni-MH and Ni-CD batteries. It features individual charging channels, a battery tester function, and a USB output for charging external devices. Please read this manual thoroughly before using the charger to ensure safe and optimal performance.

2. Safety Instructions

To prevent injury or damage, always observe the following safety precautions:

- Use the charger only with compatible Ni-MH and Ni-CD rechargeable batteries. Do not attempt to charge alkaline, carbon-zinc, or other non-rechargeable batteries, as this may lead to leakage, rupture, or explosion.
- Do not disassemble, modify, or attempt to repair the charger. Refer all servicing to qualified personnel.
- Keep the charger away from water, moisture, and high temperatures. Do not operate in wet or humid conditions.
- Ensure proper ventilation during charging. Do not cover the charger or place it in an enclosed space.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Keep out of reach of children.
- If any abnormal conditions occur (e.g., smoke, strange odor, excessive heat), immediately unplug the charger and discontinue use.

3. Package Contents

Verify that all items are present in the package:

- Camelion CM-3298 Universal Fast Charger
- AC Power Adapter
- User Manual (this document)

4. Product Features

- 8 independent charging channels for AA/AAA/C/D batteries.
- 2 independent charging channels for 9V batteries.
- LCD display for real-time charging status (for AA/AAA/C/D).
- Built-in battery tester function.
- USB output port for charging external devices (e.g., smartphones).
- Automatic detection of battery type and capacity.
- Multiple protection features: overcharge, short-circuit, reverse polarity.
- Refresh function to optimize battery performance and extend lifespan.

5. Setup

1. **Unpack the Charger:** Carefully remove the Camelion CM-3298 charger and its accessories from the packaging.
2. **Connect Power:** Insert the AC power adapter into the DC input port on the back of the charger. Plug the other end of the adapter into a standard wall outlet (100-240V AC, 50/60Hz). The LCD display will illuminate, indicating the charger is powered on.
3. **Placement:** Place the charger on a stable, flat, and well-ventilated surface, away from direct sunlight, heat sources, and flammable materials.



Image 1: Overview of the Camelion CM-3298 Universal Fast Charger. The image displays the charger with several AA/AAA/C/D batteries inserted into their respective slots, and a 9V battery in its dedicated slot. The LCD screen shows charging progress, and indicator lights for 'Refreshing', 'Precharging', 'Charging', 'Ready', and 'Error' are visible below the battery slots.

6. Operating Instructions

6.1 Charging AA/AAA/C/D Batteries

1. **Insert Batteries:** Insert one or more AA, AAA, C, or D Ni-MH/Ni-CD rechargeable batteries into the corresponding charging slots. Ensure the positive (+) and negative (-) terminals of the batteries align correctly with the charger's markings.
2. **Charging Process:** The charger will automatically detect the battery type and begin the charging process. The LCD display will show the charging status for each individual channel, typically indicating 'Refreshing', 'Precharging', 'Charging', or 'Ready'.

3. **Status Indicators:**
    - **Refreshing:** The charger is discharging the battery to optimize its capacity before recharging.
    - **Precharging:** Initial low-current charging phase.
    - **Charging:** Main charging phase.
    - **Ready:** Charging is complete. The battery is fully charged.
    - **Error:** Indicates an issue such as an incompatible battery, short circuit, or faulty battery. Remove the battery immediately.
4. **Remove Batteries:** Once the LCD displays 'Ready' for a battery, it is fully charged. Carefully remove the battery from the slot.

6.2 Charging 9V Batteries

The charger has two dedicated slots for 9V Ni-MH/Ni-CD batteries.

1. **Insert 9V Battery:** Insert a 9V Ni-MH/Ni-CD rechargeable battery into one of the 9V charging slots, ensuring correct polarity.
2. **Charging Indication:** For 9V batteries, the charging status is typically indicated by an LED light next to the slot. The LED will change color or turn off when charging is complete. Refer to the charger's specific LED behavior for 9V charging completion.
3. **Remove Battery:** Once charging is complete, carefully remove the 9V battery.

6.3 Using the Battery Tester Function

The charger includes a battery tester function to check the remaining capacity of non-rechargeable batteries (e.g., alkaline) or to quickly assess the charge level of rechargeable batteries without initiating a full charge cycle.

1. **Insert Battery:** Place the battery you wish to test into any of the AA/AAA/C/D slots.
2. **Read Display:** The LCD display will show the current voltage or approximate charge level of the inserted battery. This function is for quick assessment only and does not initiate charging.
3. **Remove Battery:** Remove the battery once tested.

6.4 Using the USB Output Port

The charger features a USB output port (located on the side or front, depending on the model) that can be used to charge USB-powered devices.

1. **Connect Device:** Connect your USB charging cable to the USB output port on the charger and to your device (e.g., smartphone, tablet).
2. **Charging:** The charger will provide power to your connected device. Note that the USB output may be affected if many batteries are simultaneously charging at high current.
3. **Disconnect:** Disconnect your device once charging is complete.

7. Maintenance

Proper maintenance ensures the longevity of your charger:

- **Cleaning:** Disconnect the charger from the power outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid extreme temperatures and humidity.
- **Battery Contacts:** Periodically check the battery contacts inside the charging slots for dirt or corrosion. Clean

them gently with a cotton swab if necessary.

8. Troubleshooting

If you encounter issues with your charger, refer to the table below:

Problem	Possible Cause	Solution
Charger not powering on.	No power from outlet; power adapter not connected properly.	Check power outlet; ensure power adapter is securely connected to both charger and wall outlet.
Battery not charging / "Error" displayed.	Incorrect battery type (non-rechargeable); incorrect polarity; faulty battery; short-circuited battery.	Ensure battery is Ni-MH/Ni-CD rechargeable; check battery polarity; try a different battery; remove faulty battery.
Charging takes too long.	High capacity battery; battery deeply discharged; charger operating in 'Refreshing' mode.	This is normal for high-capacity or deeply discharged batteries. Allow more time. 'Refreshing' mode can take several hours.
USB output not working.	Device not compatible; cable faulty; charger overloaded.	Ensure device is USB-chargeable; try a different USB cable; disconnect some batteries from charging slots if overloading is suspected.

9. Specifications

Feature	Detail
Model	CM-3298
Compatible Battery Types	Ni-MH / Ni-CD (AA, AAA, C, D, 9V)
Input Voltage	AC 100-240V, 50/60Hz (via power adapter)
Output Voltage (DC)	9 Volt (for 9V batteries)
USB Output	Standard USB (specific current not provided, typically 5V)
Dimensions (Package)	21.6 x 21.4 x 6.4 cm
Weight (Item)	520 Grams
Compliance	CE

10. Warranty Information

This product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or contact the retailer for specific terms and conditions. The warranty typically covers defects in materials and workmanship under normal use. Damage resulting from misuse, unauthorized modification, or improper handling is not covered.

11. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your point of purchase or the official Camelion customer support. Contact information can usually be found on the product packaging or the manufacturer's official website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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