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› DuraPro LCD Universal Dual USB Smart Battery Charger User Manual

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DuraPro LCD Universal Dual USB Smart Battery Charger User Manual

Model: DuraPro Universal Dual USB Smart Battery Charger

INTRODUCTION

This manual provides instructions for the safe and efficient operation of your DuraPro LCD Universal Dual USB Smart Battery Charger. Please read this manual thoroughly before use and retain it for future reference.

The DuraPro LCD Universal Dual USB Smart Battery Charger is designed for charging various Li-ion, Ni-MH, and Ni-Cd rechargeable batteries. It features two independent charging bays, an intelligent LCD display for charge status, and built-in protection against overcharge, over-discharge, and short-circuits.

SAFETY PRECAUTIONS

- Use this charger only for rechargeable batteries specified in this manual. Attempting to charge non-rechargeable batteries may lead to explosion, rupture, or leakage, causing personal injury or property damage.
- Do not disassemble, modify, or short-circuit the charger.
- Avoid exposing the charger to water, high humidity, or extreme temperatures.
- Keep out of reach of children.
- Unplug the charger from the power source when not in use.
- Ensure proper polarity when inserting batteries.
- If the charger or batteries become excessively hot during charging, discontinue use immediately.

PACKAGE CONTENTS

- DuraPro LCD Universal Dual USB Smart Battery Charger
- USB Charging Cable
- User Manual

Note: Batteries are not included with the charger.



PACKAGE INCLUDED

*BATTERLES ARE
NOT INCLUDED

Image: DuraPro charger package contents, showing the charger, a USB cable, and the user manual. Batteries are explicitly stated as not included.

PRODUCT FEATURES

- **Dual Charging Bays:** Charges two batteries simultaneously and independently.
- **Wide Compatibility:** Supports Li-ion (18650, 18500, 18490, 18350, 17670, 17500, 16340 (RCR123), 14500) and Ni-MH/Ni-Cd (A, AA, AAA, AAAA) rechargeable batteries.
- **Intelligent LCD Display:** Shows charging status for each battery. Four LED segments indicate a full charge.
- **USB Input:** Convenient power source via standard USB.
- **Integrated Protection:** Automatic protection against overcharge, over-discharge, and short-circuits.
- **Multi-Protection Features:** Includes active over-discharge battery recovery, reverse-polarity protection, low heat operation, and intelligent charging.

Universal Smart Charger Compatible With:

Li-ion Battery:

18650 18490 18350
17670 17500 16340
(RCR123) 14500

Ni-MH/Ni-Cd Battery:

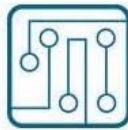
A AA AAA AAAA



Image: The DuraPro charger with two purple 18650 batteries inserted, illustrating its compatibility with various battery types including Li-ion and Ni-MH/Ni-Cd.



**Active over
discharge battery**



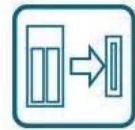
**Reverse-polarity
protection circuit**



Low heat



**Charging
intelligently**



Portable

Image: The DuraPro charger highlighting its multi-protection features such as active over-discharge battery recovery, reverse-polarity protection, low heat, intelligent charging, and portability, along with CE, FC, and RoHS certifications.

SETUP

1. **Connect Power:** Connect the provided USB charging cable to the charger's USB input port. Plug the other end of the USB cable into a compatible 5V USB power source (e.g., a computer USB port, a USB wall adapter, or a power bank).
2. **Initial Display:** Upon connecting power, the LCD display will briefly illuminate, indicating the charger is ready for use.

USB Charging Port



Image: The DuraPro charger connected via its USB charging port to a USB cable, illustrating the power connection setup.

OPERATING INSTRUCTIONS

- 1. Insert Batteries:** Carefully insert one or two rechargeable batteries into the charging bays. Ensure the positive (+) and negative (-) terminals of the batteries match the polarity markings inside the charger bays. The charger supports various sizes including 18650, 18500, 18490, 18350, 17670, 17500, 16340 (RCR123), 14500, A, AA, AAA, and AAAA.
- 2. Monitor Charging:** The LCD display will show the charging status for each inserted battery. The battery icon will animate, and the segments will gradually fill up.
- 3. Full Charge Indication:** When a battery is fully charged, its corresponding battery icon on the LCD display will show all four segments filled and stop animating.
- 4. Remove Batteries:** Once charging is complete, remove the batteries from the charger.
- 5. Disconnect Power:** Unplug the USB cable from the power source and the charger when not in use.



Image: The DuraPro charger with its LCD display showing two battery icons, each with multiple segments filled, indicating batteries are currently charging.



Image: The DuraPro charger with two yellow AA batteries inserted into the charging bays, demonstrating how smaller batteries fit.



Image: The DuraPro charger with two yellow AAA batteries inserted into the charging bays, demonstrating how even smaller batteries fit.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the charger's exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and moisture when not in use.
- **Inspection:** Periodically inspect the USB cable and charger for any signs of damage. Do not use if damaged.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|------------------------------------|--|---|
| Charger display does not light up. | No power connection or faulty USB cable/power source. | Ensure the USB cable is securely connected to both the charger and a working 5V USB power source. Try a different USB cable or power source. |
| Battery not charging. | Incorrect battery insertion, battery type not supported, or battery is faulty. | Check battery polarity. Ensure the battery type is compatible with the charger (Li-ion, Ni-MH, Ni-Cd). Test the battery in another device or charger if possible. |
| Charger or battery becomes hot. | Overheating due to faulty battery or charger malfunction. | Immediately disconnect power and remove the battery. Do not continue to use if overheating persists. Contact customer support if necessary. |
| LCD shows full but battery is not. | Battery degradation or charger misreading. | This can happen with older or damaged batteries. Try charging a different battery. If the issue persists with multiple batteries, the charger may be faulty. |

SPECIFICATIONS

| Feature | Detail |
|--------------------------|---|
| Brand | DuraPro |
| Model | Universal Dual USB Smart Battery Charger |
| Input Voltage | 5 Volts (USB) |
| Output Voltage | 5 Volts |
| Rated Current | 2 A |
| Approximate Charge Time | 4 hours (depending on battery capacity and type) |
| Compatible Battery Types | Li-ion, Ni-MH, Ni-Cd |
| Compatible Battery Sizes | 18650, 18500, 18490, 18350, 17670, 17500, 16340 (RCR123), 14500, A, AA, AAA, AAAA |
| Color | Black |
| UPC | 614405069151 |

WARRANTY AND SUPPORT

DuraPro products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official DuraPro website.

Please retain your proof of purchase for warranty claims.

