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› Kastar LCD Dual Smart Fast Charger & Battery User Manual

Kastar CH04-2B-ENEL4a

Kastar LCD Dual Smart Fast Charger & Battery User Manual

Model: CH04-2B-ENEL4a

INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient use of your Kastar LCD Dual Smart Fast Charger and Battery (2 Pack) system. This product is designed to charge Nik EN-EL4, EN-EL4A, ENEL4, ENEL4A batteries, compatible with various Nikon camera models and grips.



Image: The Kastar LCD Dual Smart Fast Charger, two compatible batteries, and various power cables (AC wall adapter, car adapter).

PRODUCT FEATURES

- **High Capacity Batteries:** Kastar batteries utilize high-quality Japanese cells for extended battery life and are designed with no memory effect.
- **Dual Fast Charger:** The charger offers wide compatibility, capable of charging batteries with voltages ranging from 6.8V to 16.8V.
- **Intelligent Charging:** The Control MCU automatically identifies battery voltage, preventing overcharge and ensuring intelligent charging.
- **LCD Display:** The intelligent dual fast charger features an LCD that displays charging status and battery capacity for two batteries simultaneously.
- **Versatile Charging:** Supports charging two batteries concurrently and is adaptable for various digital battery types by changing plates.
- **Efficient Charging:** Employs CC/CV charging type for reliability and high efficiency, including pre-charging and 0V activation for li-ion batteries to extend battery life.

COMPATIBILITY

This Kastar charger and battery system is compatible with the following models:

Compatible Battery Models:

- Nik EN-EL4
- Nik EN-EL4a
- Nik EN-EL4e

Compatible Charger Models:

- Nik MH-21
- Nik MH-22

Compatible Camera Models:

- Nik Camera D2
- Nik Camera D2H
- Nik Camera D2Hs
- Nik Camera D2X
- Nik Camera D2Xs
- Nik Camera D3
- Nik Camera D3S
- Nik Camera D3X
- Nik Camera F6
- Nik Grip MB-D10 D300 D300S D700 MB-40 (Note: Requires an extra BL-3 Battery Chamber Cover)

SETUP

1. **Unpack Components:** Carefully remove the charger, batteries, and power cables from the packaging.
2. **Insert Batteries:** Align the battery contacts with the charger's terminals and gently slide the batteries into the charging slots until they click into place. The charger is designed to accommodate two batteries simultaneously.



Image: A single Kastar EN-EL4 compatible battery, showing its front side with branding and caution labels.

3. Connect Power:

- For AC power, connect the provided AC power cord to the charger and then to a standard wall outlet (AC 100V-240V).
- For car charging, connect the car charger adapter to the charger and then to your vehicle's 12V DC outlet.

4. **Observe LCD Display:** Upon connecting power and inserting batteries, the LCD screen on the charger will illuminate, displaying the current charging status and battery capacity for each slot.

OPERATING INSTRUCTIONS

The Kastar LCD Dual Smart Fast Charger offers two charging modes: Low (L) and High (H) current.



1. **Default Charging Mode:** The charger defaults to the Low (L) current mode upon startup.
2. **Switching Current Mode:** To switch to High (H) current mode for faster charging, briefly press the "Push" button located on the charger. Pressing it again will toggle back to Low (L) mode.
3. **Understanding the LCD Display:**



Image: A diagram illustrating the LCD display of the Kastar charger, showing the 'H' and 'L' indicators, battery icons, and a table explaining their meanings and corresponding current outputs.

LCD Display Icon Definitions

Icon	Definition	Function Declaration
H	High current charging mode	When this icon is displayed, it indicates high current charging mode. For 1 battery, the current is 1.5A. For 2 batteries, the current is 0.8A per battery.
L	Lower current charging mode	When this icon is displayed, it indicates lower current charging mode. For 1 battery, the current is 1.0A. For 2 batteries, the current is 0.5A per battery.

Icon	Definition	Function Declaration
	Battery icon	Indicates full charge when all segments are illuminated. During charging, segments will progressively illuminate.
100%	Battery capacity percent	Displays the estimated battery capacity as a percentage.
	Car icon	When blinking, it means the battery cannot be charged with car input. Please change to AC input mode or use a 24V car charger.

- Charging Completion:** The LCD display will show "100%" and the battery icon will be fully illuminated when charging is complete.
- Remove Batteries:** Once charging is complete, disconnect the charger from the power source and carefully remove the fully charged batteries.

MAINTENANCE AND CARE

- Cleaning:** Use a soft, dry cloth to clean the charger and batteries. Do not use liquid cleaners or solvents.
- Storage:** Store the charger and batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Battery Removal:** Always remove rechargeable batteries from the charger when not in use for extended periods.
- Temperature:** The optimal working temperature for the charger is 0°C-4°C. It is normal for the charger to generate a slight amount of heat during operation.
- Disposal:** Dispose of batteries properly according to local regulations. Do not incinerate or disassemble batteries.
- Short-Circuit Prevention:** Do not short-circuit the battery terminals.
- Temperature Exposure:** Do not expose batteries to high temperatures exceeding 140°F/60°C.

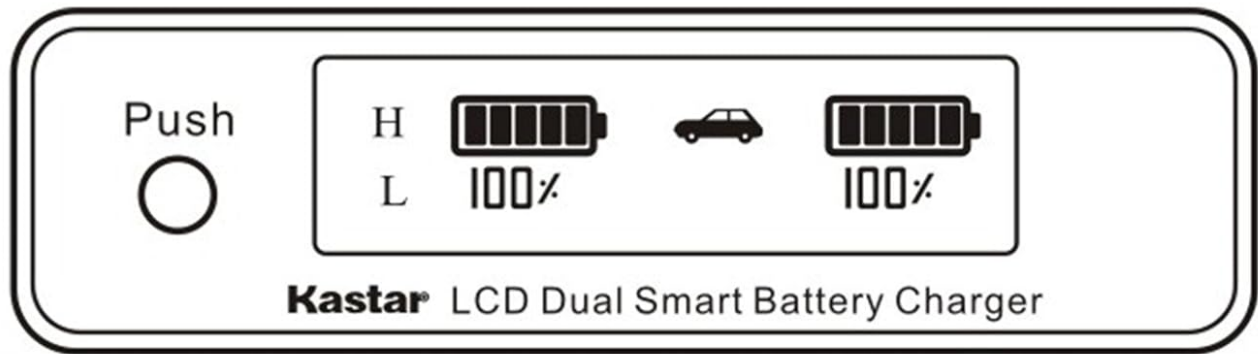
TROUBLESHOOTING

- Charger Not Powering On:**
 - Ensure the power cable is securely connected to both the charger and the power outlet.
 - Verify that the power outlet is functional.
- Battery Not Charging:**
 - Ensure the battery is correctly inserted into the charging slot with contacts aligned.
 - Check the LCD display for any error indicators.
 - Do not charge unmatched batteries, as this may cause damage or leakage.
- Car Icon Blinking:**
 - If the car icon blinks, it indicates that the battery cannot be charged with the current car input. Switch to AC input or use a 24V car charger.
- Slow Charging:**
 - Ensure the charger is set to High (H) current mode if faster charging is desired.

SPECIFICATIONS

Features:

1. Charging the default for the low (L) current mode.
2. Shortly push the button, can change current mode to High (H) current, then charge fast.
3. It can charge TWO batteries at the same time, so convenience.



Icon	Definition	Function Declaration
H	High current charging mode	When occurred this H icon, that means high current charging mode , charging 1 battery, the current is 1.5A , 2 batteries, the current is 0.8A
L	Lower current charging mode	When occurred this L icon, that means lower current charging mode , charging 1 battery, the current is 1.0A , 2 batteries, the current is 0.5A
	Battery icon	Full chequer means full power, when being charging, the icon will be displayed one by one,

Image: The back panel of the Kastar LCD Smart Battery Charger, displaying input/output specifications, model number, and caution notes.

Attribute	Detail
Brand	Kastar
Model Number	CH04-2B-ENEL4a (Charger Model No. LCD-1004)
Package Dimensions	9.8 x 7.83 x 2.87 inches
Item Weight	1.65 pounds
Batteries Included	2 Lithium Ion batteries (required and included)
Input Voltage	AC 100V-240V ~ 50/60Hz; DC 12-24V 3000mA (max)

Attribute	Detail
Output Voltage	DC 8.4V/12.6V/16.8V
Output Current (Low Mode)	L: 1000mA x 1 (single battery), 500mA x 2 (two batteries)
Output Current (High Mode)	H: 1500mA x 1 (single battery), 800mA x 2 (two batteries)
Color	Black
Certifications	UL, CE, FCC, RoHS

WARRANTY AND SUPPORT

Kastar products are designed for reliability and performance. The product packaging indicates a **3-year warranty** for this battery and charger system.



Image: The back of the Kastar product box, highlighting features such as high capacity, 100% compatibility, high stability, and a 3-year warranty.

For technical support, warranty claims, or further assistance, please refer to the contact information provided with your product packaging or visit the official Kastar website. Ensure you have your model number (CH04-2B-ENEL4a) and purchase details ready when contacting support.

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This manual is for informational purposes only. Specifications are subject to change without notice.