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## Kastar BA-2B-F970PRO-K

# Kastar NP-F970 PRO Battery 2-Pack User Manual

Model: BA-2B-F970PRO-K

## 1. INTRODUCTION

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This user manual provides essential information for the safe and effective use of your Kastar NP-F970 PRO Battery 2-Pack. These high-capacity lithium-ion batteries are designed as reliable replacements for a wide range of compatible cameras and LED lights, ensuring extended power for your devices.



Image: Two Kastar NP-F970 PRO batteries. These batteries feature a sleek black design with clear labeling, including "Kastar" branding and "Lithium ion BATTERY PACK" text. Each battery has four small LED lights and a "CHECK" button to indicate charge status. They are rectangular with connection terminals on one end.

## 2. PRODUCT FEATURES

- **High Capacity:** Each battery offers a super high capacity of 8700mAh at 7.2V, providing extended operational time for your camera or LED light.
- **LED Power Indicator:** Equipped with 4 LED lights, allowing you to easily monitor the battery's charge status at any time.
- **Enhanced Safety:** Kastar lithium-ion battery cells meet UL1642 & CE safety standards. They include built-in protection circuits against over-charge, over-discharge, over-voltage, over-current, and over-heating.
- **Durability:** Designed for a longer cycle life, ensuring reliable performance over time.
- **Convenient Packaging:** This package includes two (2) NP-F970 PRO batteries.

## 3. COMPATIBILITY

The Kastar NP-F970 PRO batteries are compatible with a wide range of devices that use NP-F series batteries. This includes, but is not limited to, the following battery models, LED lights, and camera models:

### Compatible Battery Models:

- F550, F570, NP-F750, NP-F770, NP-F930, F950, NP-F960, NP-F970, NP-F980, NP-F990

### Compatible LED Lights:

- CN-126, CN-160, CN-216, CN-304, VL600, YN300
- GVM LED480, LED520, LED672, LED896

### Compatible Camera Models:

These batteries are compatible with numerous Sony CCD, DCR, DSR, EVO, HDR, HVR, HXR, MVC, PBD, PLM, UPX, NEX series cameras, as well as Z Cam E2 series, Kinefinity KineKIT Edge Camera Cage, and Blackmagic Design Pocket Cinema Camera 6K Pro. For a comprehensive and up-to-date list of all compatible camera models, please refer to the official product listing or the manufacturer's website.

## 4. SETUP AND CHARGING

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### Initial Charging:

Before first use, it is recommended to fully charge your Kastar NP-F970 PRO battery. Use a compatible charger designed for NP-F series batteries. The charging time will vary depending on the charger's output and the battery's initial charge level.

### Battery Installation:

1. Ensure your device (camera, LED light, etc.) is powered off before installing or removing the battery.
2. Align the battery's terminals with the corresponding contacts in your device's battery compartment.
3. Gently slide the battery into the compartment until it clicks securely into place. Do not force the battery.
4. Close the battery compartment door, if applicable.

## 5. OPERATING THE BATTERY

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### Checking Battery Status:

Each Kastar NP-F970 PRO battery is equipped with a "CHECK" button and four LED indicators. Press the "CHECK" button to illuminate the LEDs, which will display the approximate remaining charge:

- **4 LEDs:** 75-100% charge remaining
- **3 LEDs:** 50-75% charge remaining
- **2 LEDs:** 25-50% charge remaining
- **1 LED:** Below 25% charge remaining (recharge soon)
- **No LEDs:** Battery is depleted or very low.



Image: A detailed view of the Kastar NP-F970 PRO battery's label. The label clearly states "Kastar Li-ion Battery" and "For Son. NP-F970Pro 7.2V === 8700mAh 64.5Wh". Below this, there are caution warnings: "Do not incinerate. Do not disassemble. Do not short-circuit. Dispose of properly. Do not expose to high temperatures 140°F/60°C." Several international safety symbols are also visible.

## 6. MAINTENANCE AND STORAGE

### General Care:

- Keep battery contacts clean. Use a dry, soft cloth to wipe them if necessary.
- Avoid exposing the battery to extreme temperatures, direct sunlight, or high humidity.
- Do not drop, puncture, or disassemble the battery.

### Charging Practices:

- Always use a charger compatible with NP-F series lithium-ion batteries.
- Avoid overcharging the battery. While the battery has built-in protection, prolonged charging beyond full capacity can reduce its lifespan.
- Do not allow the battery to completely discharge repeatedly, as this can also shorten its lifespan.

### Storage:

- For long-term storage, store the battery in a cool, dry place, ideally at room temperature (20-25°C or 68-77°F).
- Store batteries with approximately 50-70% charge. This helps maintain battery health and prevents deep discharge or stress from full charge.
- If storing for extended periods, periodically check the charge level and recharge to 50-70% if necessary.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Battery not charging.	<ul style="list-style-type: none"> <li>Charger not connected or faulty.</li> <li>Battery contacts are dirty.</li> <li>Battery or charger is damaged.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure charger is properly connected and functional. Try a different outlet.</li> <li>Clean battery and charger contacts with a dry, soft cloth.</li> <li>Test with another known-good battery or charger. If issue persists, battery or charger may need replacement.</li> </ul>
Battery not powering device.	<ul style="list-style-type: none"> <li>Battery is depleted.</li> <li>Battery not properly installed.</li> <li>Device is incompatible or faulty.</li> </ul>	<ul style="list-style-type: none"> <li>Recharge the battery.</li> <li>Ensure battery is securely inserted into the device.</li> <li>Verify device compatibility. Test the device with another known-good battery.</li> </ul>
Shortened battery life.	<ul style="list-style-type: none"> <li>Frequent deep discharges.</li> <li>Exposure to extreme temperatures.</li> <li>Battery nearing end of its lifespan.</li> </ul>	<ul style="list-style-type: none"> <li>Avoid fully discharging the battery before recharging.</li> <li>Operate and store the battery within recommended temperature ranges.</li> <li>Battery capacity naturally degrades over time. Consider replacement if performance is significantly reduced.</li> </ul>

## 8. SPECIFICATIONS

Attribute	Detail
Battery Type	Lithium-ion
Battery Voltage	7.2V
Battery Capacity	8700mAh
Product Dimensions (L x W x H)	1.51 x 2.5 x 2.79 inches
Item Weight	1.38 pounds
Model Number	BA-2B-F970PRO-K
Manufacturer	Kastar
Country of Origin	China

## 9. WARRANTY AND SUPPORT

Kastar products are manufactured to high-quality standards. The Kastar NP-F970 PRO Battery 2-Pack typically comes with an 18-month warranty from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or any questions regarding your Kastar battery, please contact Kastar customer service through the retailer where you purchased the product or visit the official Kastar website for contact information.





Image: The retail packaging for Kastar batteries. The white box features the "Kastar" logo and "Convenience of Life" slogan. Graphics on the box highlight key features such as "HIGH CAPACITY", "NO MEMORY EFFECT", "100% Compatible", "HIGH STABILITY", and an "18 Months warranty" icon. A stylized image of a camera and battery is also present.

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