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› Kastar Magic NP-F980Exp Battery Instruction Manual

Kastar BA-1B-F980EXP-J

Kastar Magic NP-F980Exp Battery Instruction Manual

Model: BA-1B-F980EXP-J

1. PRODUCT OVERVIEW

The Kastar Magic NP-F980Exp is a high-capacity Lithium-ion battery designed to power a wide range of compatible cameras and LED lights. This battery features a unique capability to function as a power bank, allowing you to charge other devices via its USB output. It also includes LED indicators for convenient battery status monitoring.

Key Features:

- **Micro USB Charging:** Recharge the battery directly using a standard Micro USB cable and a 5V 2A adapter.
- **Power Bank Functionality:** Provides 5V 2.1A USB output to charge external devices.
- **LED Battery Indicators:** Four LED lights display the current charge level.
- **Safety Protections:** Built-in circuits protect against over-charge, over-discharge, over-voltage, over-current, and over-heating.

Compatibility:

This battery is compatible with L Series batteries (NP-F530, F550, F570, NP-F750, NP-F770, NP-F930, F950, NP-F960, NP-F970, NP-F980, NP-F980Exp, NP-F990), various LED lights (e.g., CN-126, CN-160, CN-216, CN-304, VL600, YN300, GVM LED480, LED520, LED672, LED896), and numerous Sony camera models including:

- NEX-FS100, NEX-FS700R, NEX-FS700RH
- FDR-AX1, PXW-Z100, PXW-Z150
- CCD-RV100, CCD-RV200, CCD-SC5, CCD-SC6, CCD-SC7, CCD-SC8, CCD-SC9, CCD-SC55, CCD-SC65
- DCR-TR series, DCR-TRV series, DCR-VX series
- DSR-DU1, DSR-200, DSR-PD100, PD150, PD170, PD190, DSR-V10
- HDR-AX2000, FX1, FX1000, FX1000E, FX7, FX7E, HDV-FX1, Z1
- HVR-DR60, HD1000, M10, V1, Z1, Z5, Z7, AU1
- HXR-MC1500, MC2000, MC2500, NX100, NX3, NX5, NX5R
- Z Cam E2, E2-S6, E2-F6, E2-F8, E2-M4

2. SAFETY INFORMATION

Please read and understand all safety warnings before using the battery to prevent damage or injury.

- Do not incinerate the battery.
- Do not disassemble the battery.
- Do not short-circuit the battery terminals.
- Dispose of the battery properly according to local regulations.
- Do not expose the battery to high temperatures exceeding 140°F (60°C).
- The battery cells meet UL1642 & CE safety standards.
- Integrated protection circuits guard against over-charge, over-discharge, over-voltage, over-current, and over-heating.



Figure 2.1: Rear view of the Kastar NP-F980Exp battery. This image displays the battery's model (NP-F980Exp), voltage (7.4V), capacity (8700mAh 64.4Wh), and Lithium-ion type. Important safety warnings are also visible, advising against incineration, disassembly, short-circuiting, improper disposal, and exposure to high temperatures.

3. SETUP

3.1 Charging the Battery

Before first use, fully charge the battery. The NP-F980Exp battery can be charged using a standard Micro USB cable.

1. Locate the 5V INPUT Micro USB port on the side of the battery.
2. Connect a Micro USB cable to the battery's 5V INPUT port.
3. Connect the other end of the USB cable to a 5V 2A USB power adapter (not included) or a compatible USB power source.
4. The LED indicators will illuminate to show the charging progress. All four LEDs will be solid when charging is complete.



Figure 3.1: Kastar NP-F980Exp battery connected to a micro USB cable for charging. This image shows the battery connected to a micro USB cable, illustrating the charging process. The 5V input port is clearly visible, indicating how the battery receives power.



Figure 3.2: Another view of the Kastar NP-F980Exp battery being charged via micro USB. This different perspective highlights the compact design and the location of the charging port during the charging process.

3.2 Installing the Battery

To install the battery into a compatible camera or device:

1. Ensure the camera or device is powered off.
2. Open the battery compartment of your camera or device.
3. Align the battery with the compartment, matching the terminals.
4. Gently slide the battery into place until it clicks securely.
5. Close the battery compartment cover.

4. OPERATING INSTRUCTIONS

4.1 Checking Battery Status

To check the current charge level of the battery:

- Press the 'CHECK' button located next to the LED indicators on the battery.
- The four LED lights will illuminate to indicate the remaining charge:
 - 1 LED: 0-25% charge
 - 2 LEDs: 25-50% charge
 - 3 LEDs: 50-75% charge
 - 4 LEDs: 75-100% charge

4.2 Using as a Power Bank

The Kastar NP-F980Exp battery can be used to charge other USB-powered devices.

1. Locate the '2.1A OUTPUT' USB port on the side of the battery.
2. Connect a USB charging cable (compatible with your device) to the battery's '2.1A OUTPUT' port.
3. Connect the other end of the cable to the device you wish to charge.
4. The battery will begin charging your device.

Can be used as Power Bank!



A USB Battery

**The first of it's kind that
provides high-speed charging
from the wall and on-the-go!**

Convenience at your finger tips

Figure 4.1: Kastar NP-F980Exp battery functioning as a power bank. This image illustrates the battery's capability to act as a power bank. A USB cable is connected to the 2.1A output port, demonstrating its ability to charge external devices. The four LED lights indicate the current battery charge level.

5. MAINTENANCE

5.1 Storage

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid storing the battery in environments where temperatures exceed 140°F (60°C).
- For long-term storage, it is recommended to store the battery with approximately 50% charge.

5.2 Cleaning

- Wipe the battery's exterior with a soft, dry cloth.

- Do not use liquid cleaners or solvents.
- Keep the battery terminals clean and free of dust or debris.

6. TROUBLESHOOTING

If you encounter issues with your Kastar NP-F980Exp battery, consider the following:

- **Battery not charging:** Ensure the Micro USB cable is securely connected to both the battery's 5V INPUT port and a functional 5V 2A power adapter. Try a different cable or adapter.
- **Battery not powering device:** Check that the battery is fully charged. Ensure it is correctly installed in your camera or device. For power bank function, ensure the USB cable is connected to the '2.1A OUTPUT' port and your external device.
- **LED indicators not working:** Press the 'CHECK' button firmly. If still unresponsive, the battery may be fully depleted or require service.
- **Battery overheating:** Discontinue use immediately. Ensure the battery is not exposed to direct sunlight or high ambient temperatures. If overheating persists, contact support.

7. SPECIFICATIONS

Model Number	BA-1B-F980EXP-J
Battery Type	Lithium-ion
Battery Voltage	7.4V
Battery Capacity	8700mAh (64.4Wh)
USB Output	5V 2.1A
USB Input	5V 2A (Micro USB)
Product Dimensions	1.51 x 2.74 x 2.78 inches
Item Weight	11 ounces

8. WARRANTY AND SUPPORT

Kastar products are designed for quality and durability. For specific warranty information or technical support, please refer to the official Kastar website or contact Kastar customer service directly. Ensure you have your product model number (BA-1B-F980EXP-J) available when seeking support.

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