K&F CONCEPT NP-FZ100

K&F Concept NP-FZ100 Dual Portable Battery Charger Instruction Manual

Model: NP-FZ100

Introduction

Thank you for choosing the K&F Concept NP-FZ100 Dual Portable Battery Charger. This charger is designed for efficient and safe charging of Sony NP-FZ100 series batteries, offering a compact and modular design for convenience. It features 18W PD fast charging, an intelligent display, and multiple safety protections. This manual provides essential information for the proper setup, operation, and maintenance of your charger.

Setup

Package Contents

- K&F Concept NP-FZ100 Dual Portable Battery Charger
- USB-C Charging Cable
- Instruction Manual

Connecting the Charger

1. Connect the provided USB-C charging cable to the Type-C port on the charger.
2. Connect the other end of the USB-C cable to a compatible power source (e.g., a wall adapter, power bank, or car charger). For optimal performance, use a 20W or above PD (Power Delivery) adapter.



Wall Charger



Car Charger



Power Bank

Various Charging Options

Can be charged by USB Adapter, Mobile Power, Car Charger, etc.

Note: Please use 20W or above adapter.

The charger can be powered via various USB-C sources, including wall adapters, car chargers, and power banks.

Inserting Batteries

1. Align the NP-FZ100 battery with the charging slot, ensuring the contacts on the battery match the contacts in the charger.
2. Gently push the battery into the slot until it is securely seated. The charger can accommodate two batteries simultaneously.



The K&F Concept NP-FZ100 charger with two batteries inserted into its dual slots.

Modular Design (Detaching/Attaching)

The charger features a detachable design. The upper battery compartment can be separated from the base unit for use as a portable storage case.

1. **To Detach:** Locate the locking button on the base unit. Slide the upper module left and right in opposite directions while pressing the button to separate the two parts.
2. **To Attach:** Align the slots of the upper and lower modules and slide them parallel until they lock into place.



The charger's modular design allows the battery compartment to be detached for portable storage, fitting easily into a backpack.

Operating Instructions

Charging Process

- Once batteries are inserted and the charger is connected to a power source, charging will begin automatically.
- The charger supports 18W PD fast charging, significantly reducing charging time compared to traditional chargers. It can charge two NP-FZ100 batteries in approximately 2 hours less than standard chargers.
- Output for one battery is 8.4V 1.5A; for two batteries, it is 8.4V 1A per battery.



The charger provides 18W PD fast charging, capable of charging two NP-FZ100 batteries simultaneously with increased speed.

Intelligent Dual Battery Display

- The built-in smart display shows the precise charge percentage of each battery.
- Lightly touch the button on the display to activate it and view the current battery levels.
- The display will indicate 'No battery' if no battery is present, 'Charging' with a lightning bolt icon and percentage, or 'Display battery level' with the percentage when fully charged or checking status.

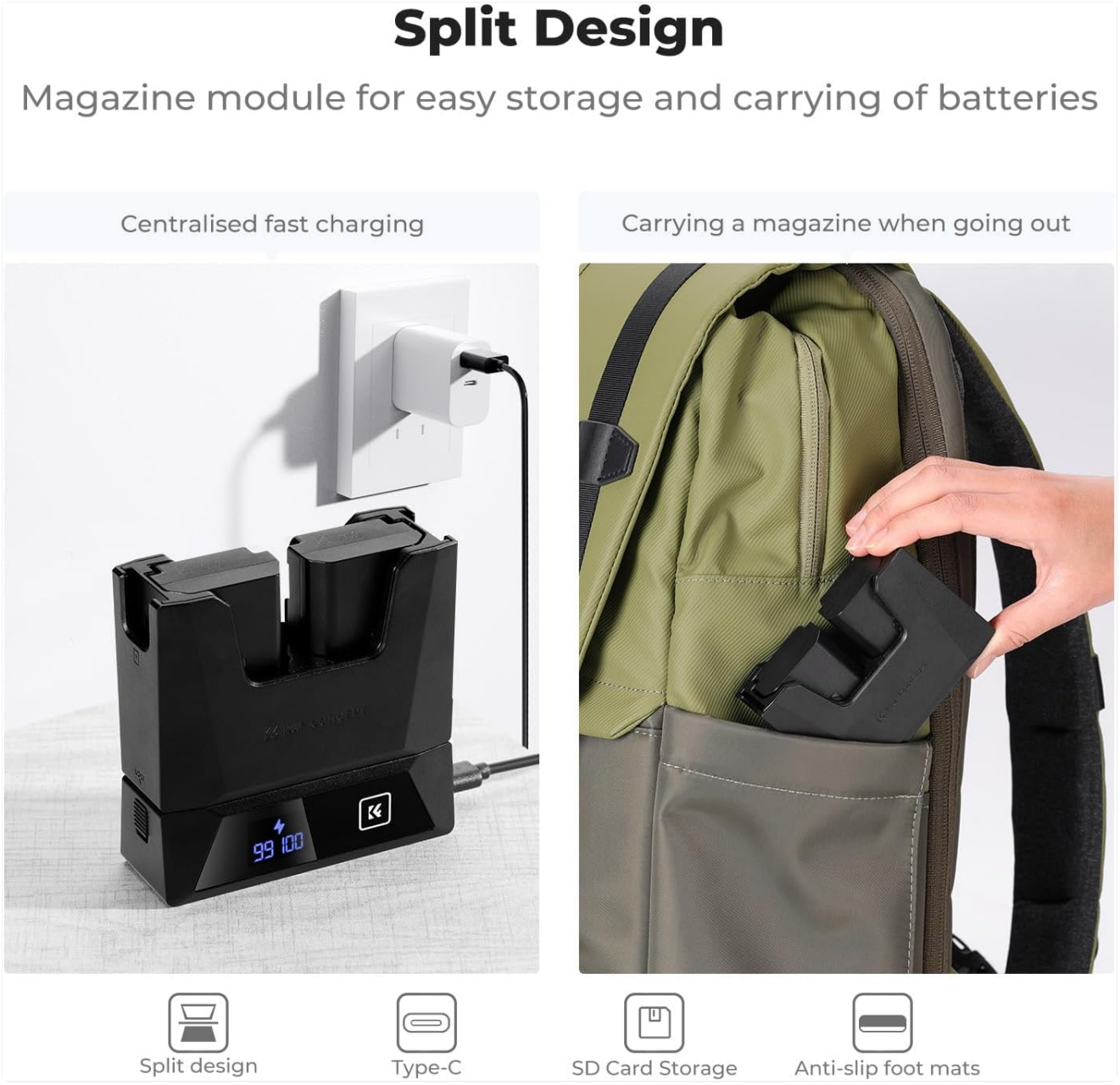


The intelligent display provides real-time battery charge status for both inserted batteries.

Compatibility

This charger is universally compatible with both original and third-party NP-FZ100 Z Series batteries. It supports a wide range of Sony camera models, including:

- Sony A7iii, A7iv, A7C
- FX3, FX30
- A9, A6600, A6700
- ZV-E1, ZV-E10ii
- Alpha 9, A9S
- A7R III, A7R IV, A7R V



The charger is compatible with a broad range of Sony cameras that use NP-FZ100 batteries.

Maintenance

General Care

- Keep the charger clean and dry. Avoid exposure to moisture, dust, and extreme temperatures.
- Use a soft, dry cloth to clean the exterior of the charger. Do not use harsh chemicals or abrasive materials.
- Ensure the charging contacts are free from debris to maintain efficient charging.

SD Card Storage

The modular battery compartment includes convenient slots for storing SD cards, helping to keep your accessories organized and secure during travel.

Troubleshooting

Common Issues and Solutions

- **Charger not powering on/display not lighting up:** Ensure the USB-C cable is securely connected to both the

charger and a functional power source. Verify the power source is active.

- **Batteries not charging:** Check that batteries are correctly inserted into the slots with contacts aligned. Ensure the power source meets the recommended specifications (20W or above PD adapter).
- **Slow charging:** Confirm you are using a PD-compatible power adapter. Lower wattage adapters will result in slower charging times.
- **Charger feels warm:** It is normal for the charger to become slightly warm during operation. If it becomes excessively hot, disconnect it immediately and contact support.

Safety Features

The K&F Concept NP-FZ100 charger is equipped with multiple built-in safety features to protect your batteries and the charger:

- **Temperature Protection:** Prevents overheating during charging.
- **Over-voltage Protection:** Safeguards against excessive voltage input.
- **Over-discharge Protection:** Protects batteries from being discharged too deeply.
- **Over-current Protection:** Prevents damage from excessive current flow.
- **Over-charge Protection:** Stops charging once batteries reach full capacity.
- **Short-circuit Protection:** Automatically cuts power in case of a short circuit.

Easy Installation



① Upper and lower module fixed: align the upper and lower module slots and slide parallel to lock;



② Upper and lower module unlocking: slide down the locking button, while the two modules slide left and right in opposite directions to separate;



③ Battery charging and SD storage: put in the battery and SD card;



④ Charging and power display: turn on the power, touch to light up the screen

The charger incorporates comprehensive safety mechanisms for reliable operation.

Specifications

Feature	Detail
Model Number	NP-FZ100
Product Dimensions	1.97 x 5.12 x 6.69 inches (Overall) / 3.82"D x 1.38"W x 1.78"H (Charger Unit)
Item Weight	12.3 ounces
Brand	K&F CONCEPT
Color	Black
Normal Charging Input	5V 2A
Fast Charging Input	9V 2A 18W PD

Normal Charging Output	8.4V/1A*1; 8.4V/0.5A*2
Fast Charging Output	8.4V/1.5A*1; 8.4V/1A*2
Amperage	1.5 Amps

Warranty and Support

Warranty Information

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official K&F Concept website. Warranty terms and conditions may vary by region and retailer.

Customer Support

If you encounter any issues or have questions about your K&F Concept NP-FZ100 Dual Portable Battery Charger, please contact K&F Concept customer support through their official website or the retailer from whom you purchased the product. Please have your product model number (NP-FZ100) and purchase details ready when contacting support.