

FEELWORLD AA-2ANP55-LY-US

FEELWORLD NP-F550 Replacement Battery User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your FEELWORLD NP-F550 2200mAh replacement battery. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Image 1.1: FEELWORLD NP-F550 Replacement Battery. This image displays the front view of the NP-F550 battery.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- FEELWORLD NP-F550 Battery (2 packs)
- USB-C Charging Cable
- User Manual



Image 2.1: Package contents. This image shows one NP-F550 battery, a USB-C charging cable, and the user manual.

3. SETUP AND CHARGING

3.1 Initial Charging

Before first use, fully charge the battery. The NP-F550 battery offers two charging methods:

3.1.1 USB-C Charging

Connect the provided USB-C charging cable to the battery's USB-C port and plug the other end into a 5V/2A power source (e.g., host charger, adapter, power bank, or car charger). The LED indicators will show the charging progress.

TWO CHARGE OPTIONS

Note: The charger not including, please use a dedicated charger with 8.4V voltage.



0-25% Power



25-50% Power



50-75% Power



75-100% Power



GO From
1%-100%
in 2 hours

Image 3.1: USB-C charging port. This image highlights the USB-C charging port on the side of the NP-F550 battery.

TYPE-C EASY TO CHARGE



Host Charger



Adapter Charger



Power Bank



Car Charging



Image 3.2: Multiple charging options. This image illustrates different ways to charge the battery via USB-C, including a host charger, adapter charger, power bank, and car charging.

3.1.2 Dedicated Charger Charging

Alternatively, you can charge the battery using a dedicated NP-F series charger (not included) with an 8.4V output. Place the battery into the charger's slot. The charger's indicators will show the charging status.



Monitor

SCENES TO BE USED



Video Light



Wireless Transmission

Image 3.3: Two charge options. This image visually compares charging with a dedicated charger and charging via the USB-C port.

3.2 LED Battery Level Indicators

The battery features four LED indicators on the bottom to display the current charge level:

- **1 LED:** 0-25% Power
- **2 LEDs:** 25-50% Power
- **3 LEDs:** 50-75% Power
- **4 LEDs:** 75-100% Power

4. OPERATION

4.1 Device Compatibility

The FEELWORLD NP-F550 battery is designed for use with a variety of photographic and video equipment, including:

- Video Lights
- LED Lights

- Field Monitors
- Wireless Video Transmission Systems

Note: This battery does not include decode functionality and cannot power cameras or camcorders directly.



Image 4.1: Compatible devices. This image shows the NP-F550 battery being used with a monitor, a video light, and a wireless transmission system.

4.2 Battery Installation

To install the battery, align the battery terminals with the corresponding contacts on your compatible device. Slide the battery into the device's battery slot until it clicks securely into place. To remove, press the release latch (if present on your device) and slide the battery out.

4.3 Recommended Battery Models for FEELWORLD Monitors

The following table provides guidance on recommended NP-F series battery models for various FEELWORLD monitors and their approximate running times:

| Monitor Model | Monitor Power Consumption | Battery Model | Battery Running Time |
|---------------|---------------------------|---------------|----------------------|
|---------------|---------------------------|---------------|----------------------|

| Monitor Model | Monitor Power Consumption | Battery Model | Battery Running Time |
|---------------|---------------------------|---------------|----------------------|
| FW568 | 8W | NP-F550 | 2h |
| FW759 | 5W | NP-F550 | 3.2h |
| FW572 | 9W | NP-F550 | 1.8h |
| F6 PLUS | 8W | NP-F750 | 4h |
| F7 PRO | 9W | NP-F750 | 3.6h |
| LUT7 | 16W | NP-F750 | 2h |
| LUT6 | 16W | NP-F970 | 3h |
| F5 PROX | 9W | NP-F970 | 5h |

Battery Running Time = Battery Capacity / (Monitor Power Consumption / Battery Voltage)
For touch and high brightness monitors, selecting a higher capacity battery such as NP-F750 or NP-F970 is recommended for longer running times.

RECOMMENDED BATTERY MODEL FOR FEELWORLD MONITORS

| Monitor Model | Monitor Power Consumption | Battery Model | Battery Running Time |
|---------------|---------------------------|---------------|----------------------|
| FW568 | 8W | NP-F550 | 2h |
| FW759 | 5W | NP-F550 | 3.2h |
| FW572 | 9W | NP-F550 | 1.8h |
| F6 PLUS | 8W | NP-F750 | 4h |
| F7 PRO | 9W | NP-F750 | 3.6h |
| LUT7 | 16W | NP-F750 | 2h |
| LUT6 | 16W | NP-F970 | 3h |
| F5 PROX | 9W | NP-F970 | 5h |

Battery Running Time=Battery Capacity / (Monitor Power Consumption / Battery Voltage)
***For the touch and high brightness monitor, we suggest to select the high capacity battery such as F750/F970 ,the running time will be longer.**

Image 4.2: Monitor compatibility table. This image displays a table detailing recommended NP-F battery models for various FEELWORLD monitors and their estimated running times.

5. SAFETY AND PROTECTION FEATURES

The FEELWORLD NP-F550 battery incorporates multiple protection mechanisms to ensure safe operation and extend battery life:

- **Over-charge Protection:** Prevents overcharging, which can damage the battery.
- **Over-current Protection:** Safeguards against excessive current draw.
- **Over-discharge Protection:** Prevents the battery from being discharged too deeply.
- **Over-voltage Protection:** Protects against voltage spikes.
- **Short-circuit Protection:** Automatically cuts off power in case of a short circuit.
- **Recovery Protection:** Allows the battery to recover from certain fault conditions.



| BATTERY CAPACITY |  NP-F550 |  NP-F750 |  NP-F970 |
|------------------|--|---|--|
| Charging Time | 2 hours | 4.5 hours | 7 hours |
| Capacity | 2200mAh | 4400mAh | 6600mAh |
| Voltage | 7.4V | 7.4V | 7.4V |

Image 5.1: Multiple protection features. This diagram visually represents the various safety protections integrated into the NP-F550 battery.

6. MAINTENANCE AND STORAGE

6.1 General Care

- Keep the battery terminals 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 disassemble, puncture, or drop the battery.
- Use only compatible chargers and devices.

6.2 Storage

- For long-term storage, charge the battery to approximately 50-60% capacity.
- Store the battery in a cool, dry place away from flammable materials.
- If storing for extended periods, periodically check the charge level and recharge to 50-60% every 3-6 months.

7. TROUBLESHOOTING

7.1 Battery Not Charging

- **Check Cable Connection:** Ensure the USB-C cable is securely connected to both the battery and the power source.
- **Verify Power Source:** Confirm that the power adapter or USB port is functional and providing sufficient power (5V/2A for USB-C).
- **Inspect LED Indicators:** Observe the LED indicators on the battery. If no LEDs light up, the battery may be completely depleted or there might be an issue with the charging setup.
- **Try Different Charger/Cable:** Test with another USB-C cable or a dedicated NP-F charger to rule out faulty accessories.

7.2 Battery Not Powering Device

- **Check Compatibility:** Ensure your device is compatible with NP-F series batteries and does not require decode functionality (e.g., cameras/camcorders are not supported).
- **Verify Battery Charge:** Check the LED indicators to confirm the battery has sufficient charge.
- **Proper Installation:** Ensure the battery is correctly inserted and securely locked into the device's battery slot.
- **Clean Contacts:** Gently clean the battery terminals and device contacts with a dry, soft cloth.

7.3 Short Battery Life

- **Device Power Consumption:** High power consumption devices will drain the battery faster. Refer to your device's manual for its power requirements.
- **Battery Age/Condition:** Over time, all rechargeable batteries experience a decrease in capacity.
- **Environmental Factors:** Operating in very cold temperatures can reduce battery performance.
- **Consider Higher Capacity:** If consistently experiencing short runtimes, consider upgrading to a higher capacity NP-F series battery (e.g., NP-F750 or NP-F970) if your device supports it.

8. SPECIFICATIONS

Key technical specifications for the FEELWORLD NP-F550 battery:

| Feature | Specification |
|--------------|-----------------|
| Model Number | AA-2ANP55-LY-US |

| Feature | Specification |
|------------------------|--|
| Battery Type | Lithium-ion |
| Capacity | 2200mAh |
| Voltage | 7.4V |
| USB-C Input | 5V/2A |
| Dimensions (L x W x H) | 70.7mm x 38.4mm x 25mm (approx. 2.8 x 1.52 x 0.98 inches) |
| Item Weight | 3.52 ounces (approx. 100g) |
| Reusability | Rechargeable |
| Recommended Uses | Photographic Lighting, Field Monitors, Wireless Video Transmission |



Image 8.1: Battery dimensions. This image provides a visual representation of the NP-F550 battery with its key dimensions labeled.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact FEELWORLD customer service through their official website or the retailer where the product was purchased. Please have your product model number (AA-2ANP55-LY-US) and purchase details ready when contacting support.