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› Raeisusp PRO MH-25 USB Cable and EP-5B EN-EL15 Dummy Battery Kit User Manual

## Raeisusp PRO MH-25

# Raeisusp PRO MH-25 USB Cable and EP-5B EN-EL15 Dummy Battery Kit User Manual

Model: PRO MH-25

## 1. INTRODUCTION

The Raeisusp PRO MH-25 USB Cable and EP-5B EN-EL15 Dummy Battery Kit provides a continuous power solution for compatible Nikon cameras. This kit allows you to power your camera directly from a QC3.0/QC4.0 USB power source, eliminating the need for frequent battery changes during extended shooting sessions or studio work.

## 2. PACKAGE CONTENTS

Please verify that all items are included in your package:

- 1 x QC PRO USB Cable (DC Drive Cable)
- 1 x QC3.0 USB Adapter
- 1 x DC Coupler EP-5B (EN-EL15 Dummy Battery)
- 1 x User Manual

## 3. COMPATIBILITY

This kit is compatible with the following Nikon camera models:

- Nikon Z5, Z6, Z7 (Mirrorless)
- Nikon D500, D600, D610, D750
- Nikon D800, D800E, D810, D810A, D850
- Nikon D7000, D7100, D7200, D7500
- Nikon 1 V1

## The EP-5B model is compatible with:



### For NIKON

For Nikon 1V1

For Nikon D500,D600,D610,D750

For Nikon D800,D800E,D810,D850  
D810A

For Nikon D7000,D7100,D7200,D7500

For Nikon Z6 Mirrorless,Z7 Mirrorless



Figure 3.1: EP-5B Dummy Battery and Compatible Camera Models.

## 4. SETUP INSTRUCTIONS

Follow these steps to set up your Raeisusp power kit:

1. **Insert the DC Coupler:** Open your camera's battery compartment and insert the EP-5B DC Coupler (dummy battery) in the same orientation as a standard EN-EL15 battery. Ensure it is fully seated.
2. **Route the Cable:** Close the battery compartment door, making sure the DC coupler cable passes through the designated cable exit slot on your camera (if available) to prevent pinching.
3. **Connect the USB Cable:** Connect the small round connector of the QC PRO USB Cable to the port on the EP-5B DC Coupler.
4. **Connect to Power Source:** Plug the USB-A end of the QC PRO USB Cable into the provided QC3.0 USB Adapter. Then, plug the QC3.0 USB Adapter into a wall outlet. Alternatively, you can connect the USB-A end of the QC PRO USB Cable to a compatible QC3.0/QC4.0 power bank.

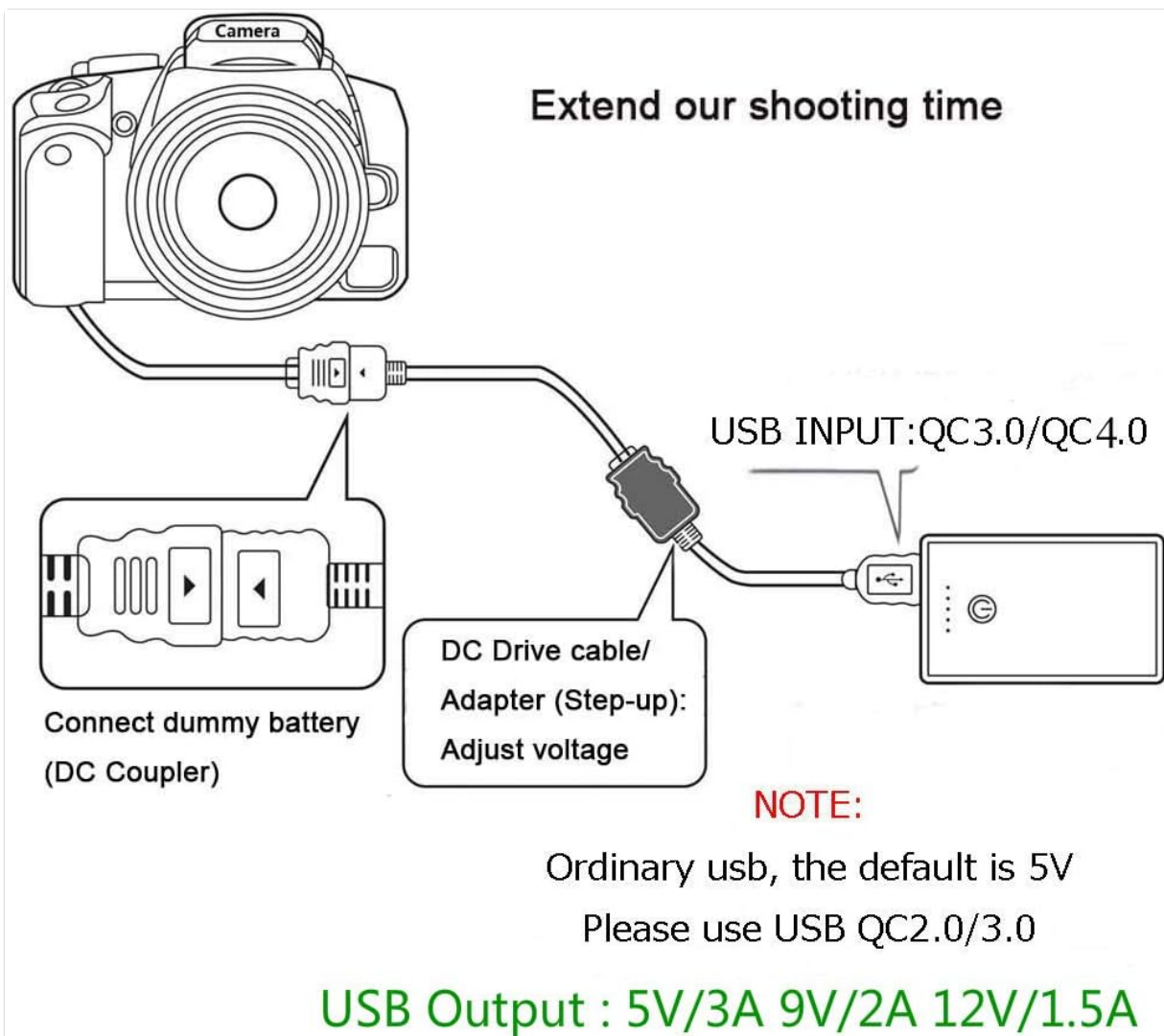


Figure 4.1: Connection Diagram for the Power Kit.

# Please Use QC3.0 / QC4.0

## USB interface



Figure 4.2: Examples of QC3.0/QC4.0 USB Interfaces.

## 5. OPERATING INSTRUCTIONS

Once the kit is properly connected to a suitable power source:

- **Power On:** Turn on your camera. The intelligent analysis within the QC PRO USB cable will detect the camera's required operating power and adjust its output accordingly within five seconds. This ensures optimal power delivery for functions like the camera shutter.
- **Indicator Light:** The USB cable has a red indicator light. If the light is solid red, the unit is receiving sufficient power and the camera can be turned on. If the red light does not illuminate or flashes after connection, the output voltage may be insufficient (e.g., default 5V from a non-QC port), which is not enough to power the camera.



Figure 5.1: USB Cable Connected to Power Bank with Indicator Light.

## 6. IMPORTANT NOTES AND WARNINGS

- **Power Source Requirement:** This kit requires a power source that supports Quick Charge 3.0 (QC3.0) or Quick Charge 4.0 (QC4.0) for proper operation. Using an ordinary USB port (e.g., computer USB 2.0) which typically provides 5V and less than 500mA current, or some mobile phone/tablet USB chargers that do not recognize the camera's power requirements, will not provide sufficient power.
- **Recommended Power Banks:** For optimal performance, use high-quality mobile power banks or power supplies that support large current discharges, such as those with a TI chip TPS61088 (10A switching current), to meet the camera's instantaneous high power needs.
- **Disconnection Noise:** When disconnecting the USB power supply, the USB drive cable may produce a short, slight "squeak" noise. This is a normal phenomenon of the Farah capacitor discharge and does not indicate a malfunction.
- **Safety Protections:** The device incorporates multiple safety features including overvoltage protection, overheating protection, overpower protection, overcurrent protection, and short circuit protection to ensure safe and reliable use.

# Multiple safety protection design

## Safe and reliable to use



Overvoltage  
protection



Overheating  
protection



Over power  
protection



Overcurrent  
protection



Short circuit  
protection

USB



Figure 6.1: Multiple Safety Protection Design.

## 7. TROUBLESHOOTING

If you encounter issues, refer to the following troubleshooting guide:

- **Camera Not Powering On / Low Battery Indication:**

- Ensure your power source (wall adapter or power bank) supports QC3.0 or QC4.0. Standard USB ports (e.g., computer USB) are often insufficient.
- Check all cable connections to ensure they are secure.
- Verify the red indicator light on the USB cable is solid red. If not, the power input is inadequate.
- Try a different QC3.0/QC4.0 compatible power source.

- **Camera Displays "Err" Message:**

- This can occur if the camera is not receiving stable or sufficient power. Recheck your power source and connections as described above.
- Ensure the dummy battery is correctly inserted into the camera's battery compartment.

- Some camera models may be more sensitive to power fluctuations. Ensure your power bank meets the recommended specifications for high current discharge.
- **Slight "Squeak" Noise When Disconnecting:**
  - This is normal and indicates the discharge of the Farah capacitor. It is not a fault.

## 8. SPECIFICATIONS

|                              |                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Brand                        | Raeisusp                                                                                                               |
| Model                        | PRO MH-25                                                                                                              |
| Connector Type               | USB                                                                                                                    |
| Compatible Devices           | Nikon Cameras (Z5, Z6, Z7, D500, D600, D610, D750, D800, D800E, D810, D810A, D850, D7000, D7100, D7200, D7500, 1 V1)   |
| Input Voltage                | 240 Volts (AC Adapter)                                                                                                 |
| Output Voltage               | 9 Volts (DC)                                                                                                           |
| Amperage / Output Current    | 1.5 Amps                                                                                                               |
| Wattage                      | 13 Watts                                                                                                               |
| Special Feature              | Short Circuit Protection, Overvoltage Protection, Overheating Protection, Overpower Protection, Overcurrent Protection |
| Power Source                 | Corded Electric (via QC3.0 Adapter)                                                                                    |
| Total USB Ports (on adapter) | 3                                                                                                                      |
| Item Weight                  | 0.16 Kilograms                                                                                                         |

## 9. MAINTENANCE

To ensure the longevity and proper functioning of your Raeisusp power kit:

- **Storage:** Store the kit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the components. Do not use liquid cleaners or solvents.
- **Cable Care:** Avoid bending or twisting the cables excessively, as this can damage the internal wiring.
- **Inspection:** Periodically inspect the cables and connectors for any signs of wear or damage. Discontinue use if any damage is observed.

## 10. WARRANTY AND SUPPORT

This product comes with a limited warranty. For detailed warranty information, including terms, conditions, and duration, please refer to the product packaging or contact Raeisusp customer support directly. For technical assistance or further inquiries, please visit the official Raeisusp website or contact their customer service department.

