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Relybo P8

Relybo P8 365nm Rechargeable UV Flashlight User Manual

Model: P8

1. INTRODUCTION

Thank you for choosing the Relybo P8 365nm Rechargeable UV Flashlight. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device. Please read it thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

- **UV Radiation Warning:** Do not look directly into the UV light source. Prolonged exposure to UV light can be harmful to eyes and skin. Use appropriate eye protection (UV-blocking glasses) and avoid direct skin exposure.
- Keep out of reach of children.
- Do not disassemble or modify the flashlight. This may cause damage and void the warranty.
- Use only the specified battery type and charging method.
- Avoid dropping the flashlight or subjecting it to strong impacts.
- Do not expose the flashlight to extreme temperatures or corrosive liquids.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Relybo P8 365nm UV Flashlight
- Rechargeable Lithium-ion Battery
- USB-C Charging Cable
- User Manual (this document)

4. SETUP AND CHARGING

4.1 Battery Installation

Before first use, ensure the battery is correctly installed and any protective film is removed.

1. Remove the transparent film covering the battery.
2. Unscrew the tail cap of the flashlight.
3. Identify the positive (+) and negative (-) poles of the battery.
4. Insert the battery correctly into the flashlight, ensuring the positive (+) end faces the head of the flashlight.
5. Screw the tail cap back onto the flashlight securely.



Figure 4.1: Battery Installation Steps

Note: If you do not have time to wait for recharging, you can also use 3 AAA batteries as an emergency power source to power the flashlight (AAA battery adapter not included).

4.2 Charging the Flashlight

The Relybo P8 features a USB-C charging port for convenient recharging.

1. Locate the USB-C charging port on the flashlight body.
2. Connect the provided USB-C cable to the flashlight and to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
3. The power display will show a flashing lightning bolt symbol during charging, indicating the battery level.
4. Once fully charged, the display will show 100% and the lightning bolt symbol may stop flashing or change indication.



Figure 4.2: USB-C Charging Input

The flashlight can also function as a power bank to charge other devices via its USB-A output port in emergencies.



Figure 4.3: USB Output for Charging Other Devices

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Mode Selection

The flashlight features a single button for operation.

- **Power On:** Press the power button once to turn on the UV light.
- **Stepless Dimming:** After turning on the flashlight, press and hold the power button to activate the stepless dimming mode. The UV light intensity will smoothly adjust between 165mW and 1300mW. Release the button at your desired

brightness level.

- **Power Off:** Press the power button once again to turn off the UV light.



Figure 5.1: Stepless Dimming Operation

5.2 Power Display

The integrated LCD display shows the remaining battery power in real-time. Upon powering on, the flashlight performs a self-test to provide an accurate battery level indication.



Figure 5.2: LCD Power Display

6. APPLICATIONS

The Relybo P8 UV Flashlight is a versatile tool for various detection and inspection tasks:

- **Pet Stain Detection:** Reveals invisible pet urine stains on carpets, rugs, and upholstery.
- **Scorpion Hunting:** Makes scorpions fluoresce brightly for easy detection in dark environments.
- **Currency and Document Verification:** Authenticates banknotes, passports, and other official documents with UV security features.
- **Hotel Room Inspection:** Checks for cleanliness and hidden stains in hotel rooms.
- **Mineral and Gemstone Inspection:** Identifies fluorescent minerals like Yooperlites and checks for authenticity of certain gemstones.
- **Leak Detection:** Can be used with UV dyes to detect leaks in HVAC systems, automotive fluids, and plumbing.
- **Forensic Applications:** Assists in evidence collection by revealing latent fingerprints and other fluorescent traces.



Figure 6.1: Versatile Applications of the UV Flashlight

7. MAINTENANCE

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents. Keep the lens clean for optimal performance.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge the battery every 3-6 months to maintain its lifespan.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge promptly when the power display indicates low battery.

8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|------------------------------|--|---|
| Flashlight does not turn on. | Battery is dead or incorrectly installed. | Charge the battery or re-install it correctly, ensuring the protective film is removed. |
| Light is dim or flickers. | Low battery. | Recharge the battery. |
| Flashlight does not charge. | Charging cable or adapter is faulty; port is dirty. | Try a different USB-C cable or power adapter. Clean the charging port gently. |
| UV effect is weak. | Incorrect wavelength (not 365nm); object does not fluoresce. | Ensure you are using the 365nm UV light. Not all materials fluoresce under UV light. |

9. SPECIFICATIONS

| Feature | Detail |
|------------------------|--|
| Model Number | P8 |
| UV Wavelength | 365nm |
| LED Type | 30W 4-core UV LED chip |
| Filter | ZWB2 Black Filter |
| UV Intensity | 165mW - 1300mW (Stepless Dimming) |
| Power Source | Rechargeable Lithium-ion Battery |
| Charging Port | USB-C |
| Output Port | USB-A (for emergency charging) |
| Material | Aviation-grade Anodized Aluminum |
| Waterproof Rating | IPX6 |
| Dimensions (L x W x H) | 16.4 x 4.0 x 4.7 cm (approx.) |
| Weight | 200 Grams |
| Special Features | LCD Power Display, Stepless Dimming, Shock Resistant, Dust Resistant |

10. WARRANTY AND SUPPORT

Relybo products are designed and manufactured to the highest quality standards. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided with your purchase or visit the official Relybo website.

Please retain your proof of purchase for warranty claims.

