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ALONEFIRE SV85

Alonefire SV85 365nm UV LED Flashlight User Manual

Model: SV85 | Brand: ALONEFIRE

Introduction

This manual provides detailed instructions for the safe and effective use of your Alonefire SV85 365nm UV LED Flashlight. Please read this manual thoroughly before operating the device and retain it for future reference. The SV85 is a versatile ultraviolet flashlight designed for various detection and curing applications, featuring a high-quality 365nm UV LED, adjustable zoom, and convenient USB-C recharging.

Image: The Alonefire SV85 UV LED flashlight shown alongside its USB-C charging cable. This image illustrates the overall design and included accessories.

Package Contents

- Alonefire SV85 365nm UV LED Flashlight
- Rechargeable Lithium-ion Battery (pre-installed or separate)
- USB-C Charging Cable
- User Manual (this document)

Safety Information

Warning: Ultraviolet (UV) light can be harmful to eyes and skin. Always observe the following safety precautions:

- Do not look directly into the UV light source.

- Avoid prolonged exposure to UV light on skin.
- Keep out of reach of children.
- Use in a well-ventilated area if performing resin curing.

Setup

1. **Battery Installation:** The SV85 flashlight typically comes with a rechargeable Lithium-ion battery pre-installed. If not, unscrew the tail cap, insert the battery with the positive (+) end facing the head of the flashlight, and re-screw the tail cap securely.
2. **Initial Charge:** Before first use, fully charge the flashlight. Connect the supplied USB-C cable to the flashlight's charging port and to a standard USB power source (e.g., computer, wall adapter).

Image: The Alonefire SV85 flashlight connected via its USB-C port to a laptop for charging. The image also shows charging indicators: red for charging, green for fully charged.

Operating Instructions

1. **Power On/Off:** Press the power button located on the side of the flashlight to turn the UV light on or off.

2. **Adjusting Focus (Zoom):** The SV85 features a telescopic zoom function. Gently push or pull the head of the flashlight to adjust the beam from a focused spotlight to a wider floodlight. This allows for versatile use across different detection or curing needs.

Image: Illustration of the Alonefire SV85 flashlight's telescopic zoom feature, showing how the beam can be adjusted from a narrow spotlight to a broad floodlight by extending or retracting the head.

3. **Charging:** When the battery is low, connect the USB-C cable to the flashlight and a power source. The charging indicator light will show red during charging and turn green when fully charged. Charging typically takes 4-6 hours.

Applications

The Alonefire SV85 365nm UV LED Flashlight is suitable for a wide range of applications due to its specific wavelength, which is effective for revealing fluorescent substances.

- **Pet Stain Detection:** Identify hidden pet urine stains on carpets, rugs, and upholstery that are invisible under normal light.
- **Ringworm Detection:** Assist in identifying ringworm on pets, as affected areas may fluoresce under 365nm UV light.
- **Currency and Document Authentication:** Verify the authenticity of banknotes, passports, and other official documents that incorporate UV security features.
- **Scorpion Detection:** Scorpions fluoresce brightly under UV light, making them easier to spot in dark environments.
- **Mineral and Gemstone Inspection:** Observe fluorescence in certain minerals and gemstones for identification or quality assessment.

- **Resin Curing:** Accelerate the curing process of UV-sensitive resins and glues.
- **Leak Detection:** When used with UV-sensitive dyes, it can help detect leaks in HVAC systems, automotive fluids, and plumbing.

Image: A collage demonstrating various applications of the UV flashlight, showing how it reveals hidden elements like scorpions, carpet stains, pet stains, and highlights plant pollination under ultraviolet light.

Image: The UV flashlight illuminating pet urine stains on a carpet, making them visible. A dog is visible in the background.

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.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the battery regularly, even if not in use, to maintain its capacity.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge the battery to about 50% and recharge every few months.

Troubleshooting

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is depleted or incorrectly installed.	Charge the battery. Ensure the battery is inserted with correct polarity (+ end towards the head).
Light is dim.	Low battery charge.	Recharge the battery fully.
Charging indicator does not light up.	Faulty USB cable or power source.	Try a different USB-C cable or power adapter. Ensure connections are secure.
Beam cannot be focused.	Mechanism obstruction or damage.	Ensure no debris is obstructing the zoom mechanism. If damaged, contact support.

Specifications

Feature	Detail
Brand	ALONEFIRE
Model	SV85
UV LED Wavelength	365nm
Power Consumption	Up to 5W
Light Output	1000mW
Battery Type	1 x Lithium-ion (included)
Charging Port	USB Type-C
Charging Time	4-6 hours
Battery Life	2-3 hours (approximate, depending on usage)
Features	Adjustable Zoom, Portable
Material	High-quality Aluminum Alloy
Weight	140 g
Dimensions (approx.)	122mm (compact) to 128mm (extended)

Image: A comparison illustrating the difference between 365nm and 395nm UV light. It shows that 365nm UV light provides clearer fluorescence and better identification for certain materials compared to 395nm.

Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact the retailer where the product was purchased. You may also visit the official ALONEFIRE website for further assistance.

Manufacturer: Alonefire

ASIN: B0DMF94PSW

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Related Documents - SV85

	Alonefire SV003 UV Flashlight User Manual User manual for the Alonefire SV003 UV Flashlight, detailing package contents, battery installation, usage instructions, and charging procedures.
	Alonefire H002 LED Flashlight User Manual User manual for the Alonefire H002 LED Flashlight, covering package contents, battery installation, operation, and charging instructions. Includes detailed textual descriptions of images and symbols.
	Alonefire SV003 UV Flashlight User Manual User manual for the Alonefire SV003 UV Flashlight, detailing package contents, battery installation, usage instructions, and charging procedures.
	Alonefire H002 LED Flashlight User Manual User manual for the Alonefire H002 LED Flashlight, covering package contents, battery installation, operation, and charging instructions. Includes detailed textual descriptions of images and symbols.