ALONEFIRE SV87 365nm

ALONEFIRE SV87 365nm UV Flashlight User Manual

Model: SV87 365nm

INTRODUCTION

The ALONEFIRE SV87 365nm UV Flashlight is a high-quality, professional-grade ultraviolet light tool designed for a wide range of detection and curing applications. Featuring a powerful 365nm UV LED, adjustable focus, and convenient USB-C recharging, this flashlight makes invisible fluorescent substances visible, aiding in tasks such as pet urine detection, mineral identification, resin curing, and currency authentication. Its durable aluminum alloy construction ensures reliability and longevity.

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 when operating.

- **Heat Warning:** The flashlight may become warm during extended use. Avoid direct contact with the lens area when hot.

- **Battery Safety:** Use only the specified rechargeable battery. Do not attempt to disassemble, puncture, or short-circuit the battery. Keep batteries away from fire and water.

- **Children Safety:** Keep out of reach of children. This is not a toy.

- **Proper Disposal:** Dispose of batteries and electronic components according to local regulations.

WHAT'S IN THE BOX

- ALONEFIRE SV87 365nm UV Flashlight

- Rechargeable Lithium Ion Battery (18650 type)

- USB Charging Cable (Type-C)

Image: Contents of the package, showing the ALONEFIRE SV87 UV flashlight and its accompanying USB-C charging cable.

SETUP

Battery Installation

The ALONEFIRE SV87 comes with a pre-installed rechargeable Lithium Ion battery. If the battery needs to be re-inserted or replaced, unscrew the tail cap of the flashlight, insert the 18650 battery with the positive (+) end facing towards the head of the flashlight, and then securely screw the tail cap back on.

Charging

The flashlight features a convenient USB-C charging port. To charge the device:

1. Locate the USB-C charging port on the side of the flashlight, usually protected by a rubber cover.

2. Open the rubber cover and insert the provided USB-C charging cable into the port.

3. Connect the other end of the USB cable to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).

4. The charging indicator light will illuminate red during charging and turn green when the battery is fully charged.

5. Charging typically takes 4-5 hours for a full charge.

Image: Visual guide to the USB-C charging port and the red/green charging indicator, illustrating various compatible power sources.

Your browser does not support the video tag.

Video: Demonstrates the physical features of the ALONEFIRE SV87 UV flashlight, including its compact size, durable construction, and the process of connecting the USB-C charging cable.

OPERATING INSTRUCTIONS

Power On/Off

Press the power button located on the side of the flashlight to turn the UV light on or off.

Image: A hand holding the ALONEFIRE SV87 flashlight, highlighting the position of the power button for easy operation.

Adjustable Focus (Zoom Function)

The flashlight features an adjustable focus mechanism. To change the beam pattern:

- **Zoom In (Focused Beam):** Extend the head of the flashlight forward to narrow the UV beam, concentrating the light into a smaller, more intense spot. This is ideal for inspecting small areas or for applications requiring high energy density, such as resin curing.

- **Zoom Out (Flood Beam):** Retract the head of the flashlight backward to widen the UV beam, spreading the light over a larger area. This is useful for detecting fluorescent reactions across a broader surface.

High power UV zoom flashlight

ZOOM IN

ZOOM OUT

Image: Illustrates the adjustable focus feature, showing the difference between a concentrated (zoom in) and a wide (zoom out) UV light beam.

Applications

The 365nm UV light is highly effective for revealing fluorescent substances not visible under normal light. Common uses include:

- **Pet Urine Detection:** Identify hidden pet stains on carpets, rugs, and furniture.
- **Mineral and Rock Detection:** Observe fluorescence in various minerals and rocks. The 365nm wavelength is superior for this purpose compared to 395nm.
- **Resin Curing & Glue Curing:** Accelerate the curing process of UV-sensitive resins and glues.
- **Currency and Document Authentication:** Verify security features on banknotes, passports, and other official documents.
- **Scorpion Detection:** Scorpions fluoresce brightly under 365nm UV light.
- **Leak Detection:** Identify automotive fluid leaks (when used with fluorescent dyes).
- **Bed Bug Detection:** Aid in identifying bed bug infestations.

Image: A collage demonstrating diverse applications of the UV flashlight, such as detecting pet urine, verifying currency, and observing fluorescent minerals.

Image: Illustrates the difference in performance between 365nm and 395nm UV light when illuminating minerals, highlighting the enhanced fluorescence with 365nm.

Image: The ALONEFIRE SV87 UV flashlight in operation, showing its distinct purple UV beam.

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 health.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge promptly when the light dims.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is depleted or incorrectly inserted.	Charge the battery fully. Ensure the battery is inserted with the correct polarity (+ end towards the head).
Light is dim or flickers.	Low battery charge.	Recharge the battery.
Charging indicator does not light up.	Charging cable or power source issue; battery not making contact.	Try a different USB-C cable or power source. Ensure the USB-C cable is fully inserted. Check battery contact.
UV effect is not strong enough.	Ambient light is too bright; object does not fluoresce.	Use in a darker environment for best results. Not all materials fluoresce under UV light. Ensure you are using the 365nm wavelength for optimal performance on specific materials.

SPECIFICATIONS

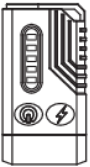| Feature	Detail
Model	SV87 365nm
Light Source Type	UV LED (365nm wavelength)
Power Consumption	Up to 5W
Luminous Power	1000mW
Special Features	Adjustable Focus (Zoom), Rechargeable
Power Source	Battery Powered
Battery Type	1 x Lithium Ion (18650, included)
Charging Port	USB Type-C
Material	Anodized Aluminum
Water Resistance Level	Waterproof
Item Weight	5.6 ounces
Package Dimensions	6.26 x 4.88 x 1.65 inches
Country of Origin	China

WARRANTY AND SUPPORT

Information regarding product warranty and specific customer support contacts is not provided in this manual. Please refer to the product packaging or the manufacturer's official website for the most up-to-date

warranty details and customer service information.

For further assistance, you may visit the ALONEFIRE Store on Amazon:ALONEFIRE Store

Related Documents - SV87 365nm

User Manual SV003 UV Flashlight	**Alonefire SV003 UV Flashlight User Manual** User manual for the Alonefire SV003 UV Flashlight, detailing package contents, battery installation, usage instructions, and charging procedures.
User Manual H002 LED Flashlight	**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.
uvBeast.com UV Flashlight Model V1 Instructions&User Guide	**uvBeast V1 UV Flashlight User Guide and Instructions** Official user guide for the uvBeast V1 UV flashlight, detailing its features, battery installation, safe usage, troubleshooting tips, and technical specifications for various applications.
APLOS|EDC Flashlight Model L02 1000 LUMENS BUILT-IN BATTERY MAGNETIC BEEPING ALARM FLASH	**APLOS L02 EDC Flashlight - 1000 Lumens, UV, Magnetic, Rechargeable** Explore the APLOS L02, a powerful 1000-lumen EDC flashlight featuring UV light, a magnetic base, and multiple lighting modes. This rechargeable flashlight includes Type-C charging, IPX4 waterproof rating, and is ideal for outdoor, safety, and everyday use.