

ALONEFIRE SV65

ALONEFIRE SV65 365nm UV Flashlight Instruction Manual

Model: SV65 | Brand: ALONEFIRE

1. INTRODUCTION

The ALONEFIRE SV65 is a high-quality, portable 365nm UV flashlight designed for a wide range of professional and domestic applications. Its powerful ultraviolet light, combined with a specialized black UV filter lens, allows for the detection of fluorescent substances not visible under normal light. This manual provides essential information for the safe and effective use of your SV65 UV flashlight.

2. PRODUCT FEATURES

- **High-Quality 365nm UV LED:** Utilizes a powerful 5W UV LED with 1000mW luminous power for professional-grade black light performance.
- **Black UV Filter Lens:** Equipped with a toughened black filter optical lens to effectively filter out ambient light, ensuring a purer and more powerful ultraviolet output.
- **Durable Aluminum Alloy Shell:** Constructed from high-quality aluminum alloy, enhancing heat dissipation and extending the lifespan of the lamp bead, ensuring reliability and durability.
- **USB Rechargeable:** Features convenient USB charging capability, allowing the flashlight to be charged from computers, power banks, power adapters, or car chargers. Includes a charging indicator for monitoring battery status.
- **Built-in Rechargeable Battery:** Comes with an integrated rechargeable battery for immediate use and long-lasting power.
- **Wide Range of Applications:** Ideal for detecting fluorescent substances such as pet urine, cat ringworm, currency authentication, scorpion detection, mineral identification, bed bugs, and for curing resins and glues.



Figure 2.1: The ALONEFIRE SV65 365nm UV Flashlight, showcasing its robust design and powerful UV output.

USB Rechargeable



Figure 2.2: Diagram illustrating how the black UV filter lens effectively blocks unwanted ambient light, ensuring a pure UV beam.

3. WHAT'S IN THE BOX

Upon opening your ALONEFIRE SV65 package, please ensure all the following items are present:

- 1 x ALONEFIRE SV65 365nm UV Flashlight (with built-in battery)
- 1 x USB Charging Cable

MINING&ROCKHOUDING



Under normal light

Using 395nm UV



Using 365nm UV

Figure 3.1: Contents of the ALONEFIRE SV65 package, including the flashlight and its USB charging cable.

4. SETUP

4.1 Initial Charging

Before first use, it is recommended to fully charge the ALONEFIRE SV65 UV flashlight. The built-in battery ensures convenience and portability.

1. Locate the USB charging port on the flashlight.
2. Connect the provided USB charging cable to the flashlight's port.
3. Plug the other end of the USB cable into a compatible USB power source (e.g., computer, power bank, wall adapter, car charger).
4. Observe the charging indicator light. It will typically show a red light during charging and turn green when fully charged. Charging time is approximately 4-6 hours.



Figure 4.1: The flashlight connected to a USB power source, showing the charging indicator light (red for charging, green for fully charged).

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To operate the ALONEFIRE SV65 UV flashlight:

- Press the power button located at the rear of the flashlight to turn it on.
- Press the power button again to turn it off.

5.2 General Usage

The 365nm UV light is effective for revealing fluorescent materials. For best results, use the flashlight in a dimly lit or dark environment.

- **Pet Urine Detection:** Shine the UV light over carpets, floors, or furniture to reveal dried pet urine stains, which will

fluoresce under the UV light.

- **Currency and Document Authentication:** Use the UV light to check security features on banknotes, passports, and other official documents that glow under UV.
- **Scorpion and Insect Detection:** Many scorpions and some insects fluoresce brightly under 365nm UV light, making them easier to spot in dark areas.
- **Mineral and Gemstone Identification:** Certain minerals and gemstones exhibit fluorescence, which can aid in their identification. The 365nm wavelength is particularly effective for this purpose.
- **Resin and Glue Curing:** The powerful UV output can be used to quickly cure UV-sensitive resins and glues.



Figure 5.1: Examples of the ALONEFIRE SV65's diverse applications, including pet urine detection, currency verification, and mineral identification.



Figure 5.2: Comparison of mineral appearance under normal light, 395nm UV, and 365nm UV, highlighting the superior performance of 365nm for mineral fluorescence.

6. MAINTENANCE

To ensure the longevity and optimal performance of your ALONEFIRE SV65 UV flashlight, follow these maintenance guidelines:

- **Cleaning:** Wipe the flashlight body with a soft, dry cloth. For the lens, use a lens cleaning cloth and solution if necessary, avoiding abrasive materials.
- **Storage:** When not in use for an extended period, store the flashlight in a cool, dry, and well-ventilated place. Avoid extreme temperatures and direct sunlight.
- **Battery Care:** Although the battery is built-in, regular charging (every 3-6 months) is recommended if the flashlight is stored for long periods to maintain battery health.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low or depleted battery.	Charge the flashlight using the provided USB cable.
UV light appears weak or dim.	Low battery or dirty lens.	Ensure the flashlight is fully charged. Clean the lens with a soft cloth.
Charging indicator not working.	Faulty cable or power source.	Try a different USB cable or power adapter.

Problem	Possible Cause	Solution
Flashlight gets hot during use.	Normal operation for high-power UV LEDs.	This is expected due to the 5W UV LED. The aluminum alloy body is designed for heat dissipation. If it becomes excessively hot, turn it off and allow it to cool.

8. SPECIFICATIONS

Feature	Detail
Model	SV65
Light Source Type	UV LED (365nm)
Light Source Wattage	5 Watts
Luminous Power	1000mW
Power Source	Battery Powered (USB Rechargeable)
Battery Type	Built-in Lithium Ion
Material	Aluminum Alloy
Color	Black
Item Weight	4.59 Ounces (approx. 130g)
Dimensions	5.67 x 2.83 x 1.26 inches (approx. 144 x 72 x 32 mm)
Water Resistance Level	Waterproof



Figure 8.1: Diagram showing the approximate dimensions of the ALONEFIRE SV65 UV Flashlight.

9. SAFETY INFORMATION

Please read and adhere to the following safety precautions to prevent injury or damage to the product:

- **Eye Safety:** The UV light emitted by this flashlight is powerful. **DO NOT shine the light directly into human or animal eyes.** Prolonged exposure can cause eye damage and dazzling harm, especially to children.
- **Disassembly:** Do not attempt to disassemble or refit the product without permission. This can damage the product and void any warranty.
- **Storage:** When the product is not in use for a long time, store it in a room temperature, dry, and well-ventilated place.
- **Physical Handling:** While the product is waterproof, handle it with care. Avoid hitting, knocking, or impacting the product to prevent internal damage or malfunction.
- **Children:** Keep out of reach of children. This is not a toy.



Figure 9.1: Important safety warnings and matters needing attention as printed on the product packaging.

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official ALONEFIRE website or contact the seller directly through your purchase platform. Keep your proof of purchase for any warranty claims.

Manufacturer: Alonefire

Country of Origin: China

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.