

ALONEFIRE SV103

Alonefire SV103 10W UV LED Blacklight Instruction Manual

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Alonefire SV103 10W UV LED Blacklight. Please read this manual thoroughly before operation and retain it for future reference.

PRODUCT OVERVIEW

The Alonefire SV103 is a powerful UV LED blacklight designed for various detection and curing applications. It features high-quality UV LEDs and a durable aluminum alloy construction.

Key Features:

- **High-Quality 395nm UV LED:** Equipped with three 395nm UV LEDs, providing a maximum power consumption of 10W and a luminous power of 2800mW for professional-grade blacklight performance.
- **Durable Aluminum Alloy Body:** The flashlight body is constructed from high-quality aluminum alloy, significantly improving heat dissipation and extending the lifespan of the lamp beads, enhancing reliability and durability.
- **USB Type-C Rechargeable:** Features a convenient USB Type-C charging port, allowing for easy and reversible plug insertion. Includes a charging indicator for monitoring power status and ensuring safe charging. A large-capacity rechargeable battery is included.
- **Wide Range of Applications:** Ideal for detecting pet urine stains, checking for cat fungus, authenticating currency, identifying scorpions, examining minerals, curing resin, hardening adhesives, detecting anisakids, and ID verification.
- **IPX5 Water Resistance:** Designed to be used in rainy conditions without concern for malfunction due to moisture. However, it should not be submerged in water.



3個 高品質の395nm 紫外線 LED



Image: A detailed view of the three high-quality 395nm UV LEDs, which are the light source for the Alonefire SV103.

取り外し可能なバッククリップ



日常使用に便利で持ち運びが簡単

Image: The Alonefire SV103 featuring its removable back clip, demonstrating how it can be conveniently attached to a belt or backpack for portability.

PACKAGE CONTENTS

Please verify that all items listed below are present in your package:

- Alonefire SV103 UV LED Blacklight
- 18650 Lithium-Ion Rechargeable Battery
- USB Type-C Charging Cable



Image: The Alonefire SV103 UV LED Blacklight, accompanied by its rechargeable 18650 battery and a USB Type-C charging cable.

SPECIFICATIONS

Attribute	Specification
Brand	ALONEFIRE
Model	SV103
Light Source Type	LED
Wavelength	395nm
Max Power Consumption	10W
Luminous Power	2800mW
Body Material	High-Quality Aluminum Alloy
Charging Port	USB Type-C
Water Resistance	IPX5
Battery Type	18650 Lithium-Ion (included)
Color	Purple (accent)
Finish Type	Polished

SAFETY INSTRUCTIONS

WARNING: UV light can be harmful to eyes and skin. Always follow these safety precautions:

- Do not look directly into the UV light. Prolonged exposure can cause eye damage.

- Avoid direct skin exposure to the UV light for extended periods.
- Keep this device out of reach of children.
- Do not disassemble or modify the flashlight.
- Use only the specified 18650 lithium-ion battery.
- Do not expose the battery to extreme heat or dispose of it in fire.
- While the device is IPX5 water-resistant, it is not designed for submersion. Do not immerse in water.
- If the flashlight becomes excessively hot during use, turn it off and allow it to cool down.

SETUP

Battery Installation:

1. Unscrew the tail cap of the flashlight counter-clockwise.
2. Insert the included 18650 lithium-ion battery with the positive (+) end facing towards the head of the flashlight.
3. Screw the tail cap back on clockwise until securely tightened.



Image: A hand demonstrating the compact size and grip of the Alonefire SV103 UV LED Blacklight.

OPERATING INSTRUCTIONS

Turning On/Off:

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

Note: This model features a single operating mode.

CHARGING

The Alonefire SV103 features a convenient USB Type-C charging port.

1. Locate the USB Type-C port on the flashlight.
2. Connect the included USB Type-C charging cable to the flashlight and to a compatible USB power source (e.g., computer, wall adapter).
3. The charging indicator light will illuminate to show the charging status:
 - **Red Light:** Indicates the battery is currently charging.

- **Green Light:** Indicates the battery is fully charged.

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

5. A fully charged battery provides approximately 1-1.5 hours of continuous operation.



Image: The Alonefire SV103 UV LED Blacklight connected via USB-C for charging, with visual indicators for charging status (red for charging, green for fully charged).

APPLICATIONS

The Alonefire SV103 UV LED Blacklight is versatile and can be used for a variety of purposes:

- **Pet Stain Detection:** Identify hidden pet urine stains on carpets, rugs, and furniture.
- **Cat Fungus Detection:** Assist in detecting certain types of fungal infections in cats (Wood's lamp examination).
- **Currency and Document Verification:** Check for security features on banknotes, passports, and other official documents.
- **Scorpion Detection:** Scorpions fluoresce under UV light, making them easier to spot in dark environments.
- **Mineral and Gemstone Inspection:** Observe fluorescence in various minerals and gemstones.
- **Resin and Adhesive Curing:** Accelerate the curing process of UV-sensitive resins and adhesives.
- **Anisakid Detection:** Aid in finding anisakid parasites in fish.

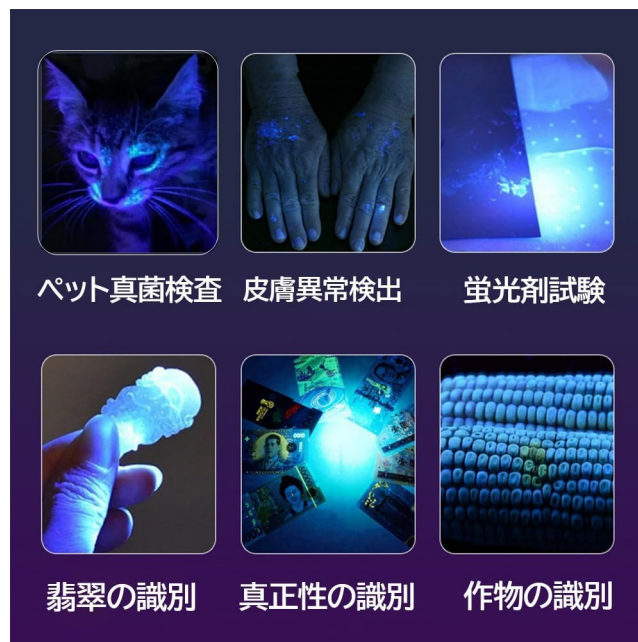


Image: Examples of the Alonefire SV103's applications, such as detecting pet fungus, skin abnormalities, fluorescent agents, verifying authenticity of items like jade and currency, and inspecting crops.

MAINTENANCE

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the battery.
- **Battery Care:** Recharge the battery regularly, even if not in use, to maintain its lifespan. Avoid fully discharging the battery.

TROUBLESHOOTING



Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is dead or incorrectly installed.	Ensure the battery is fully charged and inserted with the correct polarity. Tighten the tail cap securely.
Flashlight does not charge.	Charging cable or power source issue; battery not making contact.	Check the USB-C cable and power source. Ensure the battery is properly seated.
Light output is weak.	Low battery charge.	Recharge the battery fully.

WARRANTY AND SUPPORT

Warranty information for the Alonefire SV103 is not explicitly provided in this manual. For warranty claims, technical support, or service inquiries, please contact your retailer or the manufacturer directly.

You can visit the [ALONEFIRE Store on Amazon](#) for more information.

Related Documents - SV103

<div data-bbox="165 190 261 215" data-label="Text"><p>User Manual</p></div> <div data-bbox="181 215 245 224" data-label="Text"><p>SV003 UV Flashlight</p></div> <div data-bbox="146 224 280 358" data-label="Image">A black, cylindrical UV flashlight with a yellow lens at the front and a silver-colored body.</div>	<div data-bbox="341 248 839 277" data-label="Text"><p>Alonefire SV003 UV Flashlight User Manual</p></div> <div data-bbox="341 288 1469 358" data-label="Text"><p>User manual for the Alonefire SV003 UV Flashlight, detailing package contents, battery installation, usage instructions, and charging procedures.</p></div>
<div data-bbox="165 506 261 528" data-label="Text"><p>User Manual</p></div> <div data-bbox="181 528 245 537" data-label="Text"><p>H002 LED Flashlight</p></div> <div data-bbox="146 537 280 654" data-label="Image">A black, cylindrical LED flashlight with a silver-colored body and a black lens at the front.</div>	<div data-bbox="341 564 839 593" data-label="Text"><p>Alonefire H002 LED Flashlight User Manual</p></div> <div data-bbox="341 604 1469 674" data-label="Text"><p>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.</p></div>