

ALONEFIRE SV140

ALONEFIRE SV140 365nm UV Flashlight Instruction Manual

Model: SV140

1. PRODUCT OVERVIEW

The ALONEFIRE SV140 is a powerful 365nm UV flashlight designed for professional and general use. It features a high-quality 10*4-core 365nm UV LED light source, delivering an impressive 60 watts of power and 8000mW luminous output. Equipped with a black UV filter lens, it effectively filters ambient light to provide a purer and more powerful ultraviolet beam. The flashlight includes a digital LCD screen for real-time power level display and is USB-C rechargeable, also offering power bank functionality to charge other devices.



Image 1.1: The ALONEFIRE SV140 365nm UV Flashlight, showcasing its robust design.

2. SAFETY INFORMATION

WARNING: Ultraviolet (UV) light can be harmful to eyes and skin. Always follow these safety guidelines:

- **Eye Protection:** Always wear the provided UV protective glasses when operating the flashlight. Never look directly into the UV light beam.
- **Skin Exposure:** Avoid prolonged direct exposure of skin to the UV light.
- **Children:** Keep out of reach of children. This is not a toy.
- **Heat:** The flashlight may generate heat during extended use. Handle with care.



Image 2.1: The ALONEFIRE SV140 flashlight shown with the included UV protective glasses and charging cables. The glasses are essential for safe operation.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- ALONEFIRE SV140 365nm UV Flashlight
- 4 x High-capacity Rechargeable Lithium-Ion Batteries
- UV Protective Glasses
- USB-C Charging Cable

4. SETUP

4.1 Battery Installation

The ALONEFIRE SV140 flashlight requires four 18650 Lithium-Ion batteries. Ensure the batteries are inserted with the correct polarity as indicated inside the battery compartment. The flashlight is designed to operate with

these specific batteries for optimal performance and safety.

4.2 Initial Charging

Before first use, fully charge the flashlight. Connect the provided USB-C charging cable to the flashlight's Type-C port and plug the other end into a compatible USB power adapter (not included). The digital LCD display will show the charging progress. A full charge typically takes approximately 6 hours.



Image 4.1: The digital LCD display on the ALONEFIRE SV140, indicating the current battery charge level. This display is active during use and charging.

5. OPERATION

5.1 Power On/Off

Press the main power button located on the side of the flashlight to turn the UV light on or off. The digital display will activate upon power-on, showing the current battery percentage.

5.2 Charging External Devices (Power Bank Function)

The SV140 can function as a power bank to charge other USB-powered devices. Open the protective cover over the USB-A output port. Connect your device's charging cable to the USB-A port on the flashlight. The flashlight will begin charging your device. This feature allows for convenient charging on the go.



Image 5.1: The ALONEFIRE SV140 demonstrating its power bank capability by charging a smartphone. The USB-A output port is visible.

5.3 Black UV Filter Lens

The integrated hard toughened black filter optical lens is designed to block visible light, ensuring that only the pure 365nm UV light is emitted. This enhances the clarity and effectiveness of fluorescence detection.



Image 5.2: A diagram illustrating how the black UV filter lens works to filter out undesired ambient light, making the UV output purer.

6. APPLICATIONS

The ALONEFIRE SV140 UV Flashlight is suitable for a wide range of applications where the detection of fluorescent substances is required:

- **Pet Urine and Stains:** Detect invisible pet urine stains on carpets, rugs, and furniture.
- **Cat Ringworm Detection:** Aid in identifying fungal infections on pets.
- **Currency and Document Authentication:** Verify security features on banknotes, passports, and other official documents.
- **Scorpion Detection:** Scorpions fluoresce under 365nm UV light, making them easier to spot in dark environments.
- **Mineral and Gemstone Inspection:** Observe fluorescence in various minerals and gemstones.
- **Resin and Glue Curing:** Accelerate the curing process of UV-sensitive resins and glues.

- **Leak Detection:** Identify leaks in HVAC systems, automotive fluids, and plumbing when used with fluorescent dyes.



Image 6.1: Example of the UV flashlight being used for pet urine detection on a carpet, revealing otherwise invisible stains.



Image 6.2: A visual comparison of mineral samples under different lighting conditions: normal light, 395nm UV light, and 365nm UV light, highlighting the superior fluorescence activation with 365nm UV.

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Video 6.1: Official product video demonstrating the ALONEFIRE SV140 365nm UV Flashlight's features and various applications, including currency verification and mineral fluorescence.

7. MAINTENANCE

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Lens Care:** Gently clean the UV filter lens with a lens cleaning cloth to maintain optimal light output.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries.
- **Battery Care:** Recharge batteries regularly, even if not in use, to prolong their lifespan. Avoid fully discharging the batteries.

8. TROUBLESHOOTING

- **Flashlight Not Turning On:**

- Ensure batteries are correctly installed with proper polarity.
- Check battery charge level on the LCD display. Recharge if necessary.
- Verify that the battery compartment cap is securely tightened.

- **Charging Issues:**

- Ensure the USB-C cable is properly connected to both the flashlight and the power source.
- Try a different USB power adapter or cable.
- Check the charging port for any debris or damage.

- **Weak UV Output:**

- Ensure batteries are fully charged.
- Clean the UV filter lens for any smudges or dirt.

9. SPECIFICATIONS

Feature	Detail
Model	SV140
UV Wavelength	365nm
Light Source	10*4-core UV LED
Power Output	60 Watts
Luminous Power	8000mW
Filter Lens	Hard Toughened Black UV Filter Optical Lens
Body Material	Anodized Aluminum Alloy
Battery Type	4 x Lithium Ion (18650)
Charging Port	USB-C
Power Bank Function	USB-A Output
Display	Digital LCD Screen (Battery Level)
Item Weight	1.6 ounces (approx. 45g)
Water Resistance Level	Not Water Resistant

10. WARRANTY AND SUPPORT

The ALONEFIRE SV140 UV Flashlight comes with a limited warranty. For specific warranty terms and conditions, please refer to the product packaging or contact ALONEFIRE customer support. If you encounter any issues or have questions regarding your product, please reach out to the retailer or manufacturer for assistance.

