

ALONEFIRE H42UV

ALONEFIRE H42UV 36W 365nm UV Flashlight User Manual

Brand: ALONEFIRE | Model: H42UV

INTRODUCTION

The ALONEFIRE H42UV 36W 365nm UV Flashlight is a high-performance ultraviolet torch designed for professional and general use. Featuring a powerful 365nm UV LED light source and a specialized black UV filter lens, it provides pure and strong ultraviolet illumination. This flashlight is ideal for detecting fluorescent substances not visible to the naked eye, such as pet urine, currency authentication, scorpion detection, mineral detection, and resin curing. Its durable aluminum alloy shell ensures efficient heat dissipation and long-lasting reliability. The device is USB-C rechargeable and includes four high-capacity rechargeable batteries and UV protective glasses for safe operation.

WHAT'S INCLUDED

Upon unboxing, please ensure all the following components are present:

- 1 x ALONEFIRE H42UV 365nm UV Flashlight
- 4 x High-capacity Rechargeable Lithium Ion Batteries (18650)
- 1 x USB Charging Cord (Type-C)
- 1 x UV Protective Glasses



Image: The ALONEFIRE H42UV flashlight, UV protective glasses, and USB charging cable, as included in the package.

SETUP

1. Battery Installation

The ALONEFIRE H42UV flashlight requires four 18650 Lithium Ion batteries. These are included in your package. To install:

1. Unscrew the tail cap of the flashlight.
2. Insert the four 18650 batteries according to the polarity indicators (+/-) inside the battery compartment. Ensure correct orientation to prevent damage.
3. Securely screw the tail cap back on.

2. Initial Charging

Before first use, it is recommended to fully charge the batteries. The flashlight features a convenient USB-C charging port.

1. Locate the USB-C charging port on the flashlight body. It is typically covered by a protective rubber flap.
2. Open the rubber flap and insert the provided USB-C charging cable.

3. Connect the other end of the USB cable to a compatible USB power source (e.g., wall adapter, computer USB port, power bank).
4. The charging indicator light (usually near the power button) will illuminate red while charging. It will turn green when fully charged.
5. Charging time is approximately 6-8 hours for a full charge.



Image: USB-C charging interface and indicator light.

3. Protective Glasses

Due to the powerful UV output, it is highly recommended to wear the included UV protective glasses during operation to safeguard your eyes from potential harm. Always avoid shining the UV light directly into eyes.



Image: The ALONEFIRE H42UV flashlight with its accompanying UV protective glasses.

OPERATING INSTRUCTIONS

1. Power On/Off and Mode Selection

The flashlight is operated via a single button located on the side of the body.

- To turn on the flashlight, press the power button once.
- To cycle through brightness modes (typically High and Low), press the power button repeatedly while the flashlight is on.
- To turn off the flashlight, press and hold the power button for approximately 1-2 seconds.



Image: Demonstrating the flashlight's size and power button location.

2. Understanding the Black UV Filter Lens

The ALONEFIRE H42UV is equipped with a hard toughened black filter optical lens. This lens is crucial for filtering out unwanted visible light from the environment, ensuring that the emitted ultraviolet light is purer and more effective for detection tasks.

Black UV Filter Lens

Filter undesired ambient light to make UV more pure



Image: Illustration of the black UV filter lens function.

3. Common Applications

The powerful 365nm UV light is versatile for various detection and curing purposes:

- **Pet Urine Detection:** Easily spot hidden pet stains on carpets, furniture, and floors.
- **Resin Curing & Glue Curing:** Accelerate the curing process of UV-sensitive resins and glues.
- **Mineral Detection:** Identify fluorescent minerals and rocks.
- **Scorpion Detection:** Scorpions fluoresce under UV light, making them easy to spot in dark environments.
- **Currency & ID Authentication:** Verify security features on banknotes, passports, and other official documents.
- **Bed Bug Detection:** Aid in identifying bed bug infestations.
- **Leak Detection:** When used with fluorescent dyes, it can help detect leaks in automotive systems or HVAC.



Image: Various applications of the UV flashlight.

Your browser does not support the video tag.

Video: A demonstration of the ALONEFIRE H42UV flashlight's features and its effectiveness in various applications, including leak detection, mineral fluorescence, and identifying impurities.

MAINTENANCE

1. Cleaning

To maintain optimal performance and appearance:

- Wipe the flashlight body with a soft, damp cloth. Avoid abrasive cleaners.
- For the lens, use a lens cleaning cloth and solution designed for optics to avoid scratching.
- Ensure the USB-C port cover is properly sealed after charging to prevent dust and moisture ingress.

2. Battery Care

- Recharge batteries regularly, even if not frequently used, to prolong their lifespan.
- Avoid fully discharging the batteries before recharging.

- If storing the flashlight for an extended period, remove the batteries.

3. Storage

Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. Keep out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low or depleted batteries. Incorrect battery installation. Loose tail cap.	Charge the batteries fully. Ensure batteries are inserted with correct polarity. Tighten the tail cap securely.
Charging indicator not lighting up.	USB cable not properly connected. Faulty USB power source. Damaged charging port.	Ensure USB-C cable is fully inserted into both the flashlight and power source. Try a different USB cable or power adapter. If the issue persists, contact customer support.
Light output is weak or flickering.	Low battery charge.	Recharge the batteries.



SPECIFICATIONS

Feature	Detail
Model	H42UV
Light Source Type	3x 4-core 365nm UV LED
Light Source Wattage	36 Watts
Luminous Power	Up to 6000mW
Power Source	Battery Powered (4x 18650 Lithium Ion)
Charging Interface	USB Type-C
Material	Anodized Aluminum
Color	Black
Item Weight	Approx. 1.15 pounds (0.52 kg)
Special Features	High Power, Rechargeable, Stain Detector, Black UV Filter Lens

WARRANTY & SUPPORT

For warranty information, technical support, or any inquiries regarding your ALONEFIRE H42UV flashlight, please refer to the product packaging or contact ALONEFIRE customer service directly. You can also visit the official ALONEFIRE store on Amazon for more information and support resources: [ALONEFIRE Store](#).

Related Documents - H42UV

<div>User Manual</div> <div>SV003 UV Flashlight</div> <div></div>	<div>Alonefire SV003 UV Flashlight User Manual</div> <div>User manual for the Alonefire SV003 UV Flashlight, detailing package contents, battery installation, usage instructions, and charging procedures.</div>
<div>User Manual</div> <div>H002 LED Flashlight</div> <div></div>	<div>Alonefire H002 LED Flashlight User Manual</div> <div>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.</div>