UniqueFire UF-1504 T67

UniqueFire UF-1504 850nm IR LED Flashlight

User Manual

Model: UF-1504 T67

1. Introduction

Thank you for choosing the UniqueFire UF-1504 850nm IR LED Flashlight. This high-performance infrared illuminator is specifically designed for use with night vision devices, providing powerful and adjustable illumination for various outdoor activities. Please read this manual thoroughly before use to ensure proper operation and safety.



Figure 1: The UniqueFire UF-1504 IR LED Flashlight is suitable for night hunting, farm security, camping, observing wildlife, and night fishing when paired with a night vision device.

2. Safety Precautions

- **Infrared Light is Invisible:** The 850nm infrared light emitted by this flashlight is **invisible to the human eye**. It is intended for use exclusively with night vision devices. Only a small, faint red glow on the LED indicates that the torch is on.
- **Battery Safety:** Use only compatible 18650 rechargeable batteries (not included). Ensure correct polarity during installation. Do not mix old and new batteries or different battery types.
- **Water Resistance:** This flashlight is **splash-proof only** (IPX65 rated). Do not submerge it in water.
- **Temperature:** Operate within the specified temperature range of -25°C to 50°C.



Figure 2: Infrared light is not visible to the human eye and requires a night vision device for detection. The flashlight is not a regular white LED flashlight.

3. Package Contents

The package includes the following items:

- 1 x UniqueFire UF-1504 850nm IR LED Flashlight (T67)
- 1 x Scope Mount
- 1 x Pressure Switch

Note: 18650 Rechargeable Battery is NOT included and must be purchased separately.



Figure 3: The UniqueFire UF-1504 flashlight, scope mount, and pressure switch as included in the package.

4. Setup

1. **Battery Installation:** Unscrew the tail cap of the flashlight. Insert one (1) 18650 rechargeable battery with the positive (+) end facing towards the head of the flashlight. Screw the tail cap back on securely.
2. **Scope Mount Attachment:** If using the included scope mount, slide the flashlight into the mount and secure it using the provided screws. Attach the mount to your night vision scope or desired fixture.
3. **Pressure Switch Connection:** Replace the standard tail cap with the pressure switch if desired. Ensure it is screwed on tightly to maintain connection.

5. Operating Instructions

1. **On/Off Operation:** Hard press the tail switch (a complete press until it clicks) to activate the flashlight. Hard press the tail switch again (a complete press until it clicks) to turn the light off.
2. **Mode Selection:** With the light on, gently press (a half-way press) the tail switch to cycle through the different illumination modes: Low → Mid → High. The flashlight features mode memory, meaning it will turn on to the last setting it was operated on.
3. **Adjustable Focus:** The flashlight features a rotary focusing system with a 67mm aspherical lens. Rotate the head of the flashlight to adjust the beam from a tight spotlight for long-range illumination to a wider flood effect.
4. **Quick Dimmer Switch (if applicable):** If your model includes a quick dimmer switch, press the switch when the light is ON, then twist the tail switch to adjust the brightness from 5% to 95%.



Figure 4: Tail switch operation for power and mode selection. The quick dimmer allows for brightness adjustment.



Figure 5: The flashlight's head can be rotated to adjust the focus from a tight spot to a wide flood beam.

6. Maintenance

- **Cleaning:** Wipe the flashlight body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Lens Care:** Keep the 67mm aspherical lens clean for optimal performance. Use a lens cleaning cloth to remove dust or smudges.
- **O-rings:** Periodically check the O-rings for wear and tear. Lubricate them with silicone grease to maintain the splash-proof rating.
- **Storage:** When not in use for extended periods, remove the battery to prevent leakage and store the flashlight in a cool, dry place.

7. Troubleshooting

- **Flashlight not turning on:**
  - Ensure the battery is correctly inserted with the correct polarity.
  - Check if the battery is charged.
  - Ensure the tail cap is screwed on tightly.
- **Flashlight not turning off:**
  - Ensure the tail switch is fully pressed until it clicks.
  - If the issue persists, the tail switch may be faulty and require replacement. Contact customer support for assistance.
- **Dim or inconsistent light:**
  - Recharge or replace the battery.
  - Clean the lens and ensure no obstructions.

8. Specifications

Feature	Detail
Model	UF-1504 T67
LED Type	IR 850nm LED
Material	Aircraft Aluminum Alloy
Battery Type	1 x 18650 Rechargeable Battery (Not Included)
Batteries Input Voltage	3.7-4.2V
Lens	67MM Aspherical Lens
Range	50-400+ Meters (with focused beam)
Waterproof Rating	IPX65 (Splash Proof Only)
Dimensions	160mm(+25mm Length)/71mm(Head)/30mm(Body)/40mm(Tail)
Weight	470g (Without Battery)
Operation Temperature	-25°C to 50°C



Figure 6: The 50mm glass aspheric convex lens allows for adjustable focus.

9. Warranty and Support

UniqueFire offers a warranty for this product. If you encounter any problems with the flashlight after receiving it, excluding human damage, please directly contact the seller for assistance. The seller will provide support and solutions as per the warranty terms.
For further inquiries or technical support, please refer to the contact information provided with your purchase or visit the official UniqueFire website.

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