

ULTRAFIRE WF-502B

ULTRAFIRE WF-502B Tactical LED Flashlight

USER MANUAL

Introduction

This manual provides essential information for the safe and effective use of your ULTRAFIRE WF-502B Tactical LED Flashlight. Please read these instructions carefully before operating the device and retain them for future reference.

The ULTRAFIRE WF-502B is a high-brightness, single-mode LED flashlight designed for reliability and ease of use in various situations, including security, outdoor activities, and emergencies.

Product Overview and Features

The ULTRAFIRE WF-502B flashlight offers robust performance and durability. Key features include:

- **High Brightness:** Delivers 1000 lumens for powerful illumination.
- **Extended Beam Distance:** Projects light up to 656 feet (200 meters).
- **Single Mode Operation:** Features one high brightness mode for straightforward use, eliminating cycling through multiple settings.
- **Compact and Portable:** Designed for comfort and easy carrying with a clip for attachment to belts, backpacks, or pockets.
- **Durable Construction:** Crafted from military-grade aluminum alloy, offering resistance to abrasion, drops, and pressure.
- **Water Resistance:** IPX6 waterproof rating ensures reliable operation in various weather conditions.
- **Long-lasting Power:** Includes two 2200 mAh rechargeable Lithium Ion batteries.

UltraFire®

WF-502B 1000 LM TACTICAL FLASHLIGHT



Image: The ULTRAFIRE WF-502B Tactical Flashlight held in hand, illustrating its compact size and highlighting features such as 1000 lumens output, 656 ft max throw, IPX6 waterproof rating, 2200 mAh capacity, and 1.5m drop test resistance.

Package Contents

Verify that all items are present in your package:

- 1 x ULTRAFIRE WF-502B Flashlight
- 2 x 2200 mAh UFB22 Lithium Ion Batteries
- 1 x Battery Charger



Image: The ULTRAFIRE WF-502B flashlight alongside its included battery charger, demonstrating the complete package contents.

Setup

1. Battery Installation

1. Unscrew the tail cap of the flashlight by turning it counter-clockwise.
2. Insert one 18650 Lithium Ion battery with the positive (+) end facing towards the flashlight head (LED).
3. Screw the tail cap back on clockwise until it is securely tightened.

2. Battery Charging

The included batteries are rechargeable. Use the provided charger for optimal performance and safety.

1. Place the 18650 Lithium Ion battery into the charger, ensuring correct polarity.
2. Connect the charger to a suitable power source.
3. Observe the indicator light on the charger. It will typically change color (e.g., red to green) to indicate a full charge.
4. Once fully charged, remove the battery from the charger.

It is recommended to fully charge batteries before first use.

Weight: 3.67oz

PORTABLE SIZE



Image: The ULTRAFIRE WF-502B flashlight with an overlay indicating 6-12 hours of persistent lighting and a 2200 mAh battery capacity, emphasizing its long-lasting performance.

Operation

Turning On/Off

The ULTRAFIRE WF-502B features a simple single-mode operation:

- To turn the flashlight **ON**, firmly press the tail cap switch until it clicks.
- To turn the flashlight **OFF**, firmly press the tail cap switch again until it clicks.

There are no other modes (e.g., strobe, low, medium) to cycle through, ensuring immediate access to full brightness.

SIMPLE SINGLE MODE

On and Off, Easy to Operate



Image: A person in tactical gear holding and operating the ULTRAFIRE WF-502B flashlight, illustrating its simple single-mode functionality for easy on/off operation.

Maintenance

- **Cleaning:** Wipe the flashlight body with a clean, soft cloth. Do not use abrasive cleaners or solvents.
- **Lubrication:** Periodically apply a thin layer of silicone grease to the O-rings and threads to maintain water resistance and smooth operation.
- **Battery Care:** Store batteries in a cool, dry place. If the flashlight will not be used for an extended period, remove the battery to prevent leakage.
- **Water Resistance:** Ensure the tail cap is fully tightened to maintain the IPX6 water resistance rating.

Troubleshooting

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is dead or improperly inserted.	Charge the battery or reinsert it with correct polarity.
Light is dim or flickers.	Low battery charge or loose connections.	Charge the battery. Ensure the tail cap and head are fully tightened.
Tail cap is difficult to turn.	Dry threads or debris.	Clean threads and apply silicone grease.

Specifications

Feature	Detail
Model	WF-502B
Light Source Type	LED
White Brightness	1000 Lumens
Beam Distance	656 feet (200 meters)
Power Source	Battery Powered
Battery Type	18650 Lithium Ion (2 included)
Battery Capacity	2200 mAh
Voltage	3.7 Volts
Material	Aluminum Alloy
Color	Black
Water Resistance Level	IPX6 (Water Resistant)
Drop Resistance	1.5 meters
Product Dimensions	1.3"D x 1.3"W x 1.3"H (approximate)
Item Weight	10.6 Ounces
Special Feature	Weatherproof

Warranty and Support

The ULTRAFIRE WF-502B flashlight comes with a **3-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards under normal use.

For any questions, technical assistance, or warranty claims, please contact our customer service. We offer **24-hour customer service** to assist you.

Please refer to your purchase documentation for specific contact details or visit the official ULTRAFIRE website for support information.

