

WUBEN T103

WUBEN T103W Pro LED Flashlight User Manual

Model: T103 | Brand: WUBEN

1. INTRODUCTION

Thank you for choosing the WUBEN T103W Pro LED Flashlight. This manual provides detailed instructions for the proper use, maintenance, and troubleshooting of your device. Please read this manual thoroughly before operation to ensure optimal performance and safety.

The WUBEN T103W Pro is a high-performance tactical flashlight designed for various outdoor activities, including camping, hiking, and adventure. It features a powerful XHP35 HI LED, multiple lighting modes, and a robust, waterproof design.

2. PRODUCT OVERVIEW

2.1 Key Features

- **LED:** Utilizes XHP35 HI LED with a lifespan of 100,000 hours.
- **Output:** Maximum output of 1280 lumens.
- **Beam Distance:** Maximum beam distance of 508 meters.
- **Runtime:** Maximum runtime of 340 hours.
- **Charging:** Fast USB Type-C charging.
- **Battery Indicator:** Side switch with integrated battery level indicator.
- **Lens:** Toughened ultra-clear mineral glass lens with anti-reflective coating.
- **Reflector:** Precision smooth reflector for an optimized focus beam.
- **Temperature Regulation:** Advanced Temperature Regulation (ATR) technology.
- **Durability:** Aerospace-grade aluminum body with Mil-Spec hard-anodized finish.
- **Impact Resistance:** 1.5 meters.

- **Waterproof:** IPX8 rated (2 meters submersible for 1 hour).

2.2 Package Contents

- WUBEN T103W Pro LED Flashlight
- Rechargeable Li-ion Battery (18650, 2600mAh)
- USB Type-C Charging Cable
- Spare O-rings
- Lanyard

2.3 Product Diagram



HIGH WATER-RESISTANCE

IPX8-rated for use in extreme conditions

Figure 1: Exploded view showing the components of the WUBEN T103W Pro flashlight, including the tactical tail switch, user-friendly design, waterproof ring, smart E-switch, Mil-Spec hard-anodized body, Type-C charging port, XHP35 HI LED, photochemical glass lens, and deep aluminum alloy reflective cup.



Figure 2: The WUBEN T103W Pro LED Flashlight, showcasing its sleek black design and side switch with the WUBEN logo.

3. SETUP

3.1 Battery Installation

1. Unscrew the tail cap of the flashlight.
2. Insert the included 18650 Li-ion battery with the positive (+) end facing towards the head of the flashlight (towards the LED).
3. Screw the tail cap back on tightly to ensure proper contact and waterproof sealing.

3.2 Initial Charging

Before first use, it is recommended to fully charge the battery.

1. Locate the USB Type-C charging port on the flashlight body.
2. Connect the provided USB Type-C cable to the flashlight and to a power source (e.g., phone charger, computer USB port, power bank).
3. The indicator light on the side switch will show the charging status. It typically glows red during charging and turns blue when fully charged.



Figure 3: The WUBEN T103W Pro flashlight being charged directly via its USB Type-C port, showing the charging cable and various power source options like a phone charger, laptop, and power bank.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Turn ON/OFF:** Press the side switch (W button) to turn the flashlight ON or OFF.
- **Mode Cycling:** When the flashlight is ON, press the side switch to cycle through the basic modes: Low → Medium → High → Turbo. The flashlight has a memory function and will turn on in the last used basic mode.
- **Tactical Tail Switch:** Half-press the tactical tail switch for momentary ON. Fully press for constant ON. This switch can be used independently or in conjunction with the side switch.

4.2 Special Modes

- **Strobe Mode:** When the flashlight is ON, fast double-press the side switch to activate Strobe mode.
- **SOS Mode:** From Strobe mode, fast double-press the side switch again to activate SOS mode.
- **Moonlight Mode (Eco):** From OFF, long press the side switch to enter Moonlight mode.

- **Instant Turbo:** When the flashlight is ON in any of the 7 modes, long press the W button. Keep pressing it to maintain the brightest output. Release the button to return to the basic mode.



Figure 4: Illustration of the WUBEN T103W Pro's 7 lighting modes (1280Lm, 516Lm, 184Lm, 38Lm, 5Lm) and two useful functions: tactical tail switch for momentary on, and long-press of the W button for instant Turbo mode.

4.3 Battery Level Indicator

The indicator light on the side switch displays the battery level:

- **Blue (Solid):** Sufficient power.
- **Blue (Flashing):** About half power.
- **Red (Flashing):** Low power, recharge soon.

If the flashlight detects that the current mode's runtime is 30 minutes, it will flash 3 times every 5 minutes to indicate low battery.

5. MAINTENANCE

- **O-ring Lubrication:** Every 6 months, wipe the threads with a clean cloth followed by a thin layer of silicone-based lubricant to maintain waterproof integrity.

- **Battery Care:** If the flashlight will not be used for an extended period, remove the battery to prevent leakage. Store the battery in a cool, dry place.
- **Cleaning:** Clean the flashlight body with a soft, damp cloth. Do not use harsh chemicals or abrasives.
- **Water Resistance:** Ensure all parts are screwed on tightly before exposing the flashlight to water to maintain its IPX8 rating.



Figure 5: The WUBEN T103W Pro flashlight submerged in water, demonstrating its high water-resistance with an IPX8 rating (2m underwater for 1 hour).

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is depleted or incorrectly inserted. Loose tail cap.	Charge the battery. Ensure battery is inserted with positive (+) end towards the head. Tighten the tail cap.

Problem	Possible Cause	Solution
Light output is dim or flickers.	Low battery. Dirty contacts.	Recharge the battery. Clean battery contacts and flashlight contacts with a cotton swab.
Flashlight gets hot during use.	Normal operation at high output levels.	This is normal due to the high power output. The Advanced Temperature Regulation (ATR) will automatically reduce output to prevent overheating. If it becomes excessively hot, switch to a lower mode.
Charging indicator not working.	Cable or power source issue.	Try a different USB Type-C cable or power adapter. Ensure the cable is fully inserted.

7. SPECIFICATIONS

Feature	Detail
Model	T103
LED Type	XHP35 HI
Max Output	1280 Lumens
Max Beam Distance	508 meters
Max Runtime	340 hours (Moonlight mode)
Battery Type	1 x 18650 Li-ion (included)
Charging Port	USB Type-C
Impact Resistance	1.5 meters
Waterproof Rating	IPX8 (2 meters submersible for 1 hour)
Dimensions (L x D)	172mm x 42mm (Head Diameter) / 27mm (Tail Diameter)
Weight (without battery)	177g
Material	Aerospace-grade Aluminum Alloy



Max Output 1280 Lumens

PM 9:21 Real Tested



REAL PARAMATERS

FL1 Standard	Turbo	High	Med	Low	Eco
	1280 Lm	516 Lm	184 Lm	38 Lm	5 Lm
	1.2 h	2.1 h	7 h	34 h	340 h
	64600 cd			508m	
	1 m			IPX8 (2m underwater 1h)	
Weight	177g (without battery)		225g (with battery)		
Size	172mm x 42mm (L x D)				

Figure 6: Performance parameters for the WUBEN T103W Pro flashlight, detailing lumens, runtime, beam distance, and impact resistance for various modes (Turbo, High, Med, Low, Eco).

8. WARRANTY AND SUPPORT

WUBEN products come with comprehensive warranty and support:

- **30-Day Free Return:** If you are not satisfied with your purchase.
- **1-Year Free Repair:** For manufacturing defects.
- **5-Year Manufacturer Repair:** For extended support.
- **24/7 Customer Service:** For any inquiries or assistance.

For warranty claims or technical support, please contact WUBEN customer service through their official website or the retailer where you purchased the product.