OLIGHT O-MARAUDER2-US#FBA

OLIGHT Marauder 2 Rechargeable Handheld Flashlight User Manual

Model: O-MARAUDER2-US#FBA

1. INTRODUCTION

Thank you for purchasing the OLIGHT Marauder 2 Rechargeable Handheld Flashlight. This powerful and versatile flashlight is designed for various applications, including home use, outdoor adventures, and emergency situations. It features an ultra-bright output of up to 14,000 lumens and a long-range spotlight beam, making it an essential tool for illumination.

Figure 1: OLIGHT Marauder 2 Rechargeable Handheld Flashlight.

2. SAFETY INFORMATION

Please read this manual carefully before using the product and retain it for future reference. Improper use may result in injury or

damage to the product.

- Do not shine the light directly into human or animal eyes. The intense light output can cause temporary blindness or permanent eye damage.
- Do not cover the flashlight head when it is on, or place the flashlight head close to any object. The heat generated can cause the object to burn or even lead to unexpected disasters.
- Keep out of reach of children.
- The flashlight may become hot during prolonged use at high output levels. Exercise caution when handling.
- Ensure the USB-C charging port cover is securely closed when not charging to maintain waterproof integrity.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- OLIGHT Marauder 2 Flashlight x 1
- User Manual x 1
- Lanyard x 1
- USB-C Charging Cable x 1
- Power Adapter x 1

Figure 2: Contents included with the OLIGHT Marauder 2.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Marauder 2 flashlight:

Figure 3: Exploded view of the Marauder 2 components, including the tail cap, hidden lanyard hole, toggle switch, rotary knob switch, battery pack, body, spotlight LED module, clamping ring, LED housing, floodlight LEDs module, optic lens, and strike bezel.

- **Tail Cap:** Houses the USB-C charging port and can be twisted to open/close the port cover.
- **Hidden Lanyard Hole:** For attaching the included lanyard for portability.
- **Toggle Switch:** Used to switch between spotlight and floodlight modes.
- **Rotary Knob Switch:** Controls power and cycles through brightness levels.
- **Battery Pack:** Built-in rechargeable battery.
- **Body:** Durable aluminum alloy construction.
- **Spotlight LED Module:** Central LED for long-range beam.
- **Floodlight LEDs Module:** 12 surrounding LEDs for wide area illumination.
- **Indicators:** Display brightness level, charging status, and battery level.

5. SETUP

5.1 Initial Charging

Before first use, fully charge the Marauder 2 flashlight. The built-in 54Wh rechargeable battery pack ensures extended runtime.

1. Locate the USB-C charging port at the tail cap.
2. Twist the tail cap counter-clockwise or clockwise to open the aperture-blade-style port cover.
3. Connect the provided USB-C charging cable to the port and the power adapter.

4. Plug the power adapter into a wall outlet. The charging status indicator will show the progress.

5. Once fully charged, disconnect the cable and twist the tail cap to close the port cover securely to maintain IPX8 waterproof rating.

Figure 4: The ingenious port cover at the tail cap, which opens and closes by twisting to reveal the USB-C charging port.

6. OPERATION

6.1 Power On/Off

To turn the flashlight on or off, rotate the rotary knob switch. The flashlight has a smart lockout feature.

6.2 Smart Lockout and Unlocking

The flashlight automatically locks out after 30 seconds of non-operation when the light is already off. To unlock, rotate the knob switch quickly over 90 degrees.

Figure 5: Illustration of the smart lockout and unlocking mechanism by rotating the knob switch.

6.3 Mode Selection (Spotlight / Floodlight)

Use the toggle switch to select between the two main light modes:

- **Spotlight:** Flip the toggle switch up for max distance (800-meter beam).
- **Floodlight:** Flip the toggle switch down for max lumens (14,000-lumen wide beam).

Figure 6: Visual representation of the toggle switch for selecting between spotlight and floodlight modes, and their respective beam patterns.

6.4 Brightness Adjustment

The rotary knob switch allows you to cycle through 7 output levels for both spotlight and floodlight modes. Rotate the knob to increase or decrease brightness.
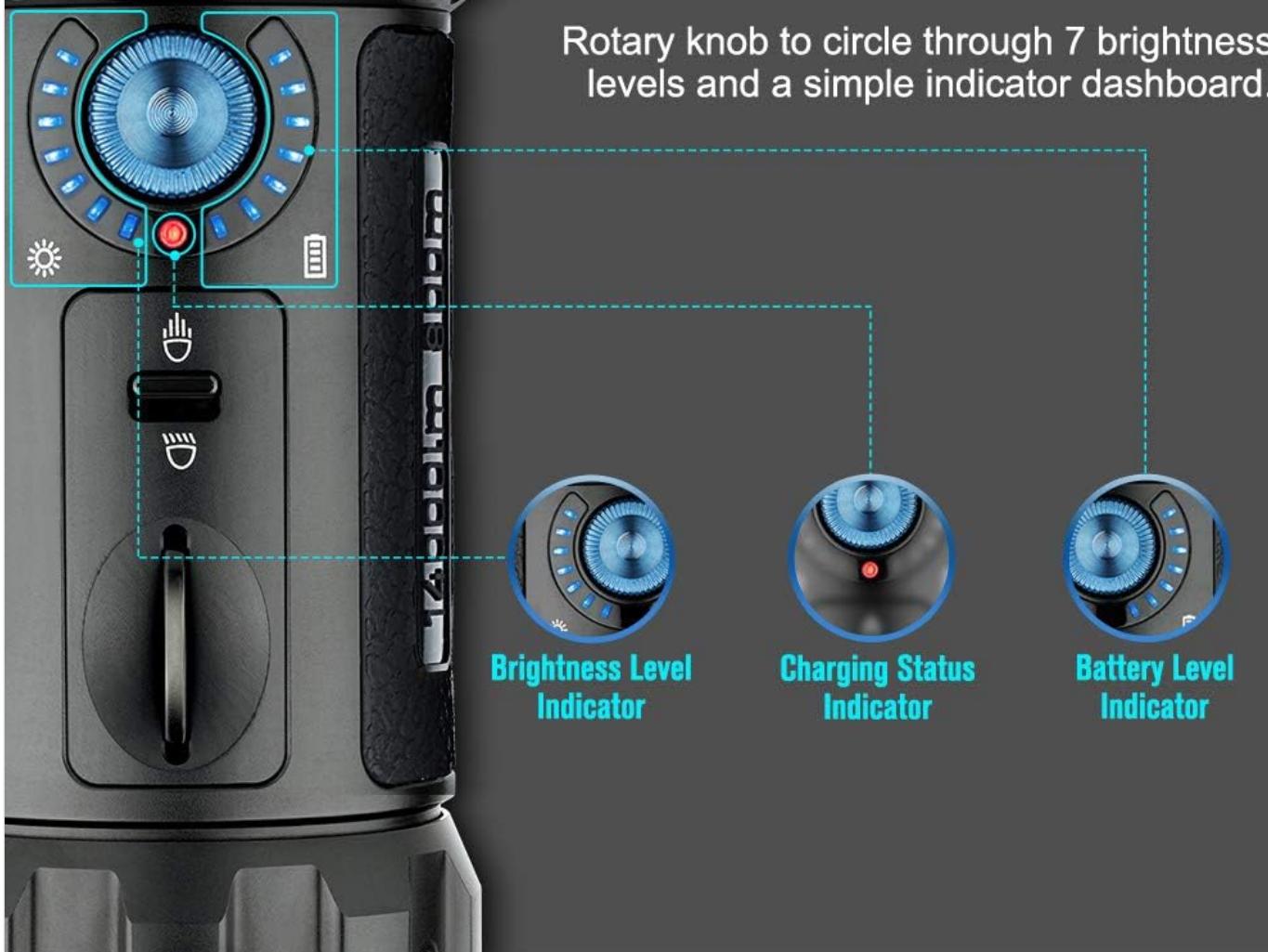
Figure 7: The intuitive rotary knob switch and indicator dashboard showing brightness level, charging status, and battery level.

6.5 Proximity and Thermal Sensors

The Marauder 2 is equipped with built-in thermal and proximity sensors. These sensors automatically reduce the light output to prevent overheating and obstruction, ensuring safe operation.

Figure 8: Depiction of the cooling fins, thermal sensor, and proximity sensor for enhanced safety.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the flashlight body. For the lens, use a lens cleaning cloth. Avoid abrasive materials.
- **Storage:** Store the flashlight in a cool, dry place. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong battery life.
- **Waterproof Seal:** Regularly check the O-rings for wear and tear. Replace if necessary to maintain the IPX8 waterproof rating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is depleted or in lockout mode.	Charge the battery. Rotate the knob switch quickly over 90 degrees to unlock.
Light output is dim or flickers.	Low battery or dirty contacts.	Recharge the battery. Clean the contact points with a clean cloth.
Flashlight gets excessively hot.	Operating at high output for too long or obstructed sensors.	Reduce brightness level. Ensure sensors are not covered. The thermal sensor will automatically reduce output to prevent damage.
USB-C charging port not accessible.	Port cover is closed.	Twist the tail cap to open the port cover.

9. SPECIFICATIONS

Feature	Detail
Brand	OLIGHT
Model	Marauder 2 (O-MARAUDER2-US#FBA)
Light Source Type	LED
Max White Brightness	14,000 Lumens (Floodlight)
Max Light Path Distance	800 Meters (Spotlight)
Power Source	Battery Powered (Built-in 54Wh rechargeable battery pack)
Battery Cell Composition	Lithium Ion
Max Runtime	Up to 59 hours
Material	Aluminum Alloy
Color	Black
Water Resistance Level	IPX8 (2 meters submersible)
Drop Test	1 meter
Product Dimensions	3.11"D x 3.11"W x 5.51"H
Item Weight	1.65 pounds
Special Features	High Lumens, Powerful, Overheat Protection, User-Friendly Controls, Rechargeable

LIGHT MODE	SPECIFICATIONS	MODE 1	MODE 2	MODE 3	MODE 4	MODE 5	MODE 6	MODE 7
Floodlight	☀ (lumens)	200 lumens	400 lumens	800 lumens	1,600 lumens	3,200±1,600±800±400±200 lumens	6,400±3,200±1,600±800 lumens	14,000±3,200±1,600 lumens
	🕐 (runtime)	40 hours	22 hours	13 hours	450 minutes	90+90+10+10+70 minutes	13+120+40+22 minutes	5+140+45 minutes
	◁ (distance)	55 meters	75 meters	110 meters	155 meters	215 meters	300 meters	450 meters
	◉ (intensity)	755 cd	1,400 cd	3,000 cd	6,000 cd	11,550 cd	22,500 cd	50,600 cd
	◈ (strobe)	13Hz at 6,400 lumens						
Spotlight	☀ (lumens)	50 lumens	100 lumens	200 lumens	300 lumens	500±300±200±100±50 lumens	650±500±300±200±100 lumens	850±650±500±300±200±100 lumens
	🕐 (runtime)	59 hours	31 hours	19 hours	700 minutes	360+25+15+80+110 minutes	115+180+20+20+85 minutes	20+170+85+25+15+85 minutes
	◁ (distance)	200 meters	300 meters	400 meters	500 meters	600 meters	700 meters	800 meters
	◉ (intensity)	10,000 cd	22,500 cd	40,000 cd	62,500 cd	90 000 cd	122,500 cd	160,000 cd

Figure 9: Detailed performance specifications for both Floodlight and Spotlight modes across various output levels.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

OLIGHT offers a lifetime warranty for products purchased after January 1st, 2023. This warranty covers defects in materials and workmanship under normal use.

10.2 Further Support

For additional support, frequently asked questions, or to download the official user manual in PDF format, please visit the OLIGHT official website or refer to the provided PDF document:

- Download User Manual (PDF)
- Visit OLIGHT Store on Amazon