

RovyVon E10MAXB

RovyVon E10 Max EDC Flashlight Instruction Manual

Model: E10MAXB

1. INTRODUCTION

Thank you for choosing the RovyVon E10 Max EDC Flashlight. This manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your new device. Please read this manual thoroughly before use and retain it for future reference.

2. PRODUCT OVERVIEW

The RovyVon E10 Max is a versatile Everyday Carry (EDC) flashlight designed for various applications, from daily tasks to emergency situations. It features a powerful main light, multiple sidelights, a green pointer, and an intuitive OLED display.

Key Features:

- **Multi-Function Main Light:** Offers up to 1600 lumens maximum output and a 200-meter beam distance, suitable for general illumination, camping, and outdoor activities.
- **Class 3R Green Pointer:** Includes low (<0.39mW) and high (<5mW) modes for precise targeting and signaling.
- **Auxiliary Sidelights:** Features Warm White, Red, and 365nm UV lights for close-up work, signaling, and detection.
- **Roller Wheel Design:** Allows for smooth and free adjustment of main light brightness.
- **USB-C Rechargeable Battery:** Equipped with two 3.7V rechargeable batteries (1000mAh per cell), compatible with 1.2V, 1.5V, 3.7V AA batteries.
- **OLED Display Screen:** Provides real-time information on voltage, current mode, and battery level.
- **Durable Construction:** Made from aluminum alloy, IP67 water-resistant, and features a magnetic base and non-removable two-way clip.

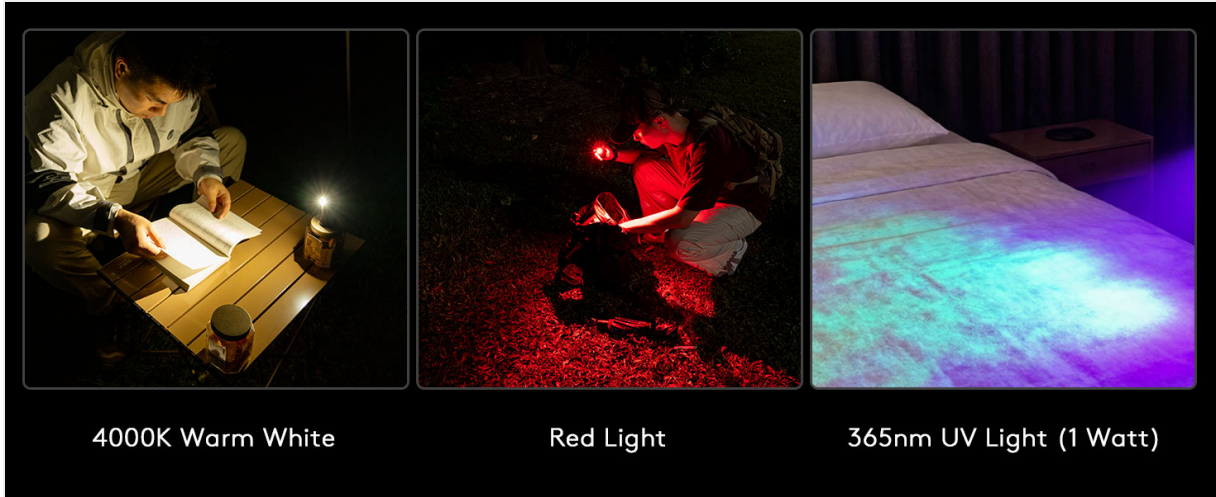


RovyVon E10 Max
 Compact EDC Flashlight
 White Light / Green Pointer / Sidelights

Figure 2.1: The RovyVon E10 Max EDC Flashlight, showcasing its compact design and multiple light sources.



Figure 2.2: Illustration of the main light's powerful 1600 lumens brightness and 200-meter beam distance.



4000K Warm White

Red Light

365nm UV Light (1 Watt)

Figure 2.3: The auxiliary sidelights, including Warm White, Red, and 365nm UV, for various utility purposes.

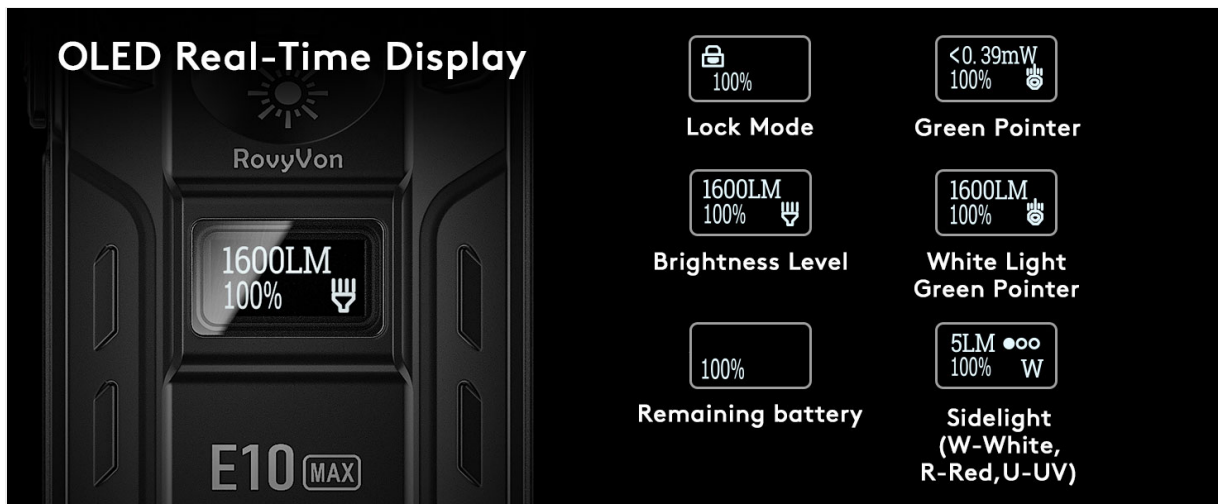


Figure 2.4: The OLED display screen showing real-time operational data such as brightness level, battery percentage, and mode indicators.

3. SPECIFICATIONS

Feature	Detail
Model Number	E10MAXB
Main Light Output	Up to 1600 Lumens
Beam Distance	200 meters
Green Pointer	Class 3R (Low <math><0.39\text{mW}</math>, High <math><5\text{mW}</math>)
Sidelights	Warm White, Red, 365nm UV
Power Source	2 x 3.7V 1000mAh USB-C Rechargeable Lithium Polymer batteries (included), compatible with 1.2V, 1.5V, 3.7V AA batteries
Runtime	Up to 50 hours (Eco mode)
Material	Aluminum Alloy
Water Resistance	IP67
Dimensions (L x W x H)	3.22" x 1.5" x 1.13"
Weight	4.04 oz (0.25 lbs)
Color Temperature	7000 Kelvin (Main Light)

MODES SPECIFICATIONS

Main light	White						Green Pointer	
	Eco	Low	Med	High	Turbo	Strobe	Low	High
Output	5lms	50lms	300lms	700lm	1600lms*	1600lms	<0.39mW	<5mW
Runtime	50hrs	8.5hrs	2hrs	1hr	50mins	/	/	/
Max Intensity	9000cd						/	/
Beam distance	200m						/	/

*The turbo mode will step down to 700 lumens in 2 minutes after it works for over 30 seconds.

Sidelight	White				Red				UV
	Low	Med	High (Max)	High (Pro)	Low	High	Flash	Beacon	
Output	5lms	30lms	130lms	170lm*	1lm	90lms	90lms	90lms	1.2W
Runtime	50hrs	19.5hrs	4.5hrs	4hrs	52hrs	9.5hrs	/	/	5.5hrs

*All these parameters were tested with the included 2x3.7V AA batteries, it may vary from different batteries used, use environment.



Figure 3.1: Detailed specifications for main light and sidelight modes, including output, runtime, and intensity.

4. SETUP

Battery Installation and Charging:

The RovyVon E10 Max comes with two pre-installed 3.7V 1000mAh USB-C rechargeable Lithium Polymer batteries. It is also compatible with 1.2V, 1.5V, and 3.7V AA batteries.

1. To access the battery compartment, locate the battery installation switch on the side of the flashlight.
2. Slide the switch to unlock and open the battery compartment.
3. Insert the batteries, ensuring correct polarity.
4. Close the compartment and slide the switch back to the locked position.
5. To charge, connect a USB-C cable to the charging port. The OLED display will show charging status.



Figure 4.1: The dual battery compartment, showing the two included USB-C rechargeable batteries. The flashlight can also operate with a single battery.

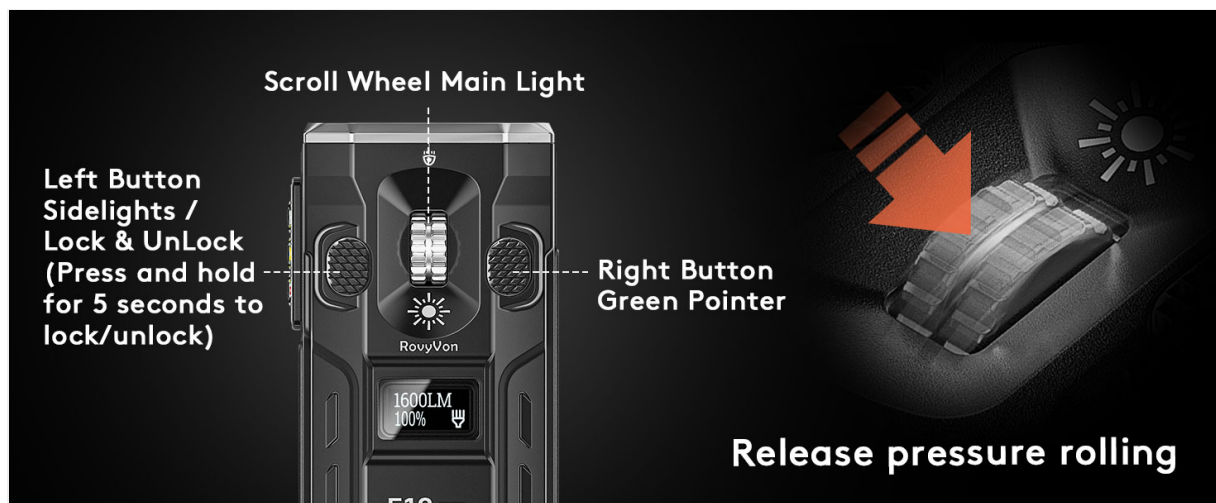


Figure 4.2: Close-up of the control buttons and the battery installation lock/unlock switch.

5. OPERATING INSTRUCTIONS

5.1 Main Light Operation (Scroll Wheel)

- **Momentary On:** From the off state, press and hold the scroll wheel. Release to turn off.
- **Constant On:** Double-click the scroll wheel to turn on the main light in Eco mode.
- **Change Brightness:** Once on, scroll up the wheel to increase brightness (max 1600 lumens). Scroll down to dim the brightness (min 5 lumens).
- **Turn Off:** Long press the scroll wheel to turn off the main light.
- **Automatic Dimming:** If the brightness exceeds 700 lumens for more than 30 seconds, the light will automatically dim to 700 lumens within 2 minutes to prevent overheating and prolong service life.

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Video 5.1: Demonstrates the operation of the main light, sidelights, and green pointer, including momentary on, constant on, and brightness adjustment.

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Video 5.2: A comprehensive guide to the RovyVon E10 Max EDC Flashlight's operational features, including main light and sidelight controls.

5.2 Sidelights Operation (Left Button)

- **Warm White Light:** Single-click the left button to turn on the warm white light. Single-click again to cycle through brightness levels (Low-Med-High). Long press to turn off.
- **Red Light:** Double-click the left button to turn on the red light. Single-click again to cycle through modes (Low-High-Flash-Beacon). Long press to turn off.
- **365nm UV Light:** Triple-click the left button to turn on the UV light. Single-click again to turn off.

5.3 Green Pointer Operation (Right Button)

- **Turn On:** Double-click the right button to activate the green pointer.
- **Modes:** The green pointer has two modes: Low (<0.39mW) and High (<5mW).
- **Turn Off:** Long press the right button to turn off the green pointer.
- **Combined Operation:** The white light and green pointer can be used simultaneously. Turning off the white light will also turn off the green pointer if both are active.
- **Caution:** Do not shine the green pointer on human skin for extended periods.

5.4 Lock/Unlock Function

To prevent accidental activation, the flashlight features a lock function.

- **Lock:** Press and hold the left button for 5 seconds. The OLED display will show a lock icon.
- **Unlock:** Press and hold the left button for 5 seconds. The OLED display will show an unlock icon.
- In locked mode, any button operation will cause the display to flash 3 times, indicating it is locked.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your RovyVon E10 Max flashlight.

- **Cleaning:** Wipe the flashlight with a soft, damp cloth. For stubborn dirt, a mild soap solution can be used. Ensure the USB-C port cover is securely closed before cleaning.
- **Dust and Water Resistance:** The flashlight is IP67 rated, meaning it is dust-tight and can withstand immersion in water up to 1 meter for 30 minutes.
- **Battery Care:** Store the flashlight with a partially charged battery if not used for extended periods. Recharge regularly to maintain battery health.

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Video 6.1: Demonstrates the dust-resistant and washable features of the RovyVon E10 Max, highlighting its durability.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low battery, locked mode, improper battery installation.	Charge the battery, unlock the device (long press left button for 5s), ensure batteries are correctly inserted.
Brightness automatically dims.	Overheating protection activated.	This is a normal function. Turn off the flashlight and allow it to cool for 5 minutes. The "Hot" icon on the OLED display will disappear.
Glue residue on tail battery lock switch.	Waterproof sealant for screw holes.	This is intentional for waterproofing and extending service life, not a defect.

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Video 7.1: Addresses a common question regarding glue residue on the E10 Max, explaining its purpose as a waterproof sealant.

8. WARRANTY AND SUPPORT

The RovyVon E10 Max EDC Flashlight comes with a 2-year manufacturer's warranty. For warranty claims, technical support, or any inquiries, please contact RovyVon customer service through their official website or the retailer where the product was purchased.

Manufacturer: RovyVon