

RovyVon E10 Pro

RovyVon E10 Pro EDC Flat Flashlight User Manual

Model: E10 Pro

1. INTRODUCTION

Thank you for choosing the RovyVon E10 Pro EDC Flat Flashlight. This manual provides detailed instructions for the safe and effective use of your new flashlight. Please read it thoroughly before operation and retain it for future reference.

The RovyVon E10 Pro is a versatile EDC (Everyday Carry) flashlight featuring a maximum output of 1600 lumens, an OLED display, a scroll wheel switch for brightness adjustment, and wide battery compatibility. It also includes multiple sidelight functions and a magnetic base for hands-free operation.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Max 1600 Lumen White Light:** Delivers powerful illumination up to 200 meters with 7000K cool white light.
- **Multifunctional Sidelights:** Includes UV, red, and high CRI warm white lights for various applications.
- **OLED Display Screen:** Provides real-time information on power status, mode, and battery level.
- **Wide Battery Compatibility:** Supports 1.2V, 1.5V, and 3.7V AA batteries, and can operate with a single battery.
- **Hands-free Operation:** Equipped with a magnetic base, reversible clip, and lanyard hole.
- **Durable Construction:** Fabricated from aluminum alloy with a hard anodizing process, IP67 waterproof, and 1m impact resistant.

2.2 What's in the Box

- 1 x RovyVon E10 Pro EDC Flat Flashlight
- 2 x Rechargeable AA Batteries
- 1 x USB-C Charging Cable
- 1 x User Manual

- 1 x RovyVon Card

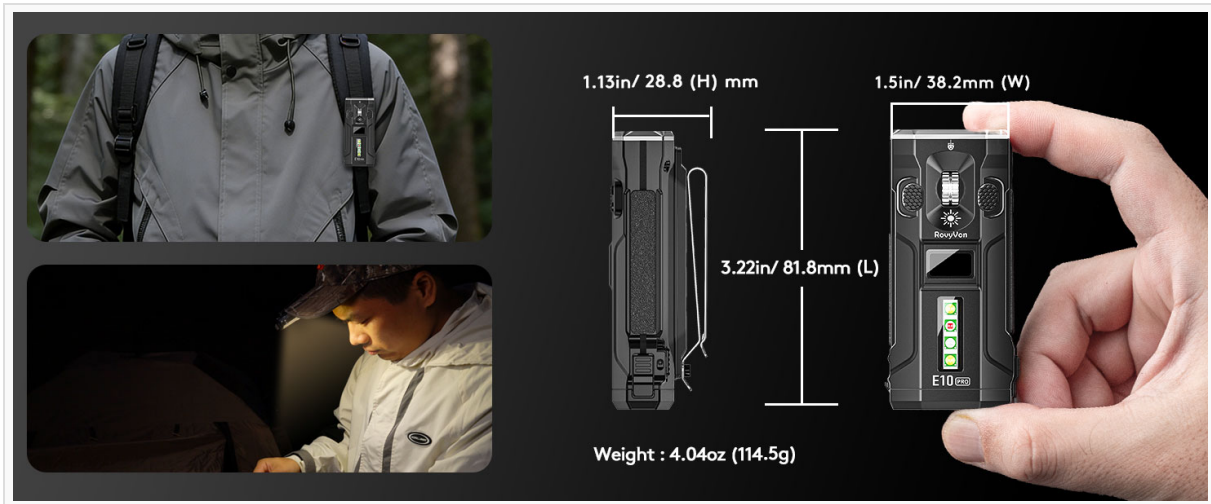


Figure 2.2.1: Contents of the RovyVon E10 Pro package.

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment on the side of the flashlight.
2. Slide the battery compartment cover open.
3. Insert the two included AA rechargeable batteries, ensuring correct polarity (+/-). The flashlight can also operate with a single battery.
4. Close the battery compartment cover securely.

MODES SPECIFICATIONS								
Main light	White						Green	
	Eco	Low	Med	High	Turbo	Strobe	Low	High
Output	5lms	50lms	300lms	700lm	1600lms*	1600lms		
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	Low	High	Flash	Beacon	
Output	5lms	30lms	170lm*	1lm	90lms	90lms	90lms	1.2W
Runtime	50hrs	19.5hrs	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 3.1.1: Battery installation in the RovyVon E10 Pro.

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Video 3.1.1: Demonstration of installing the two rechargeable batteries into the RovyVon E10 Pro flashlight.

3.2 Initial Charging

The included AA batteries have built-in USB-C charging ports. To charge:

1. Remove the batteries from the flashlight.
2. Connect the USB-C charging cable to each battery's charging port.
3. Connect the other end of the cable to a USB power source (e.g., wall adapter, computer).

- The battery's indicator light will show charging status. Charge until fully charged before first use.

4. OPERATION

4.1 Main White Light

- **Turn On/Off:** Click the scroll wheel switch once to turn the main light on or off.
- **Adjust Brightness:** Scroll the wheel up or down to seamlessly adjust the brightness level. Alternatively, click the wheel repeatedly to cycle through preset brightness levels.
- **Momentary On:** Press and hold the scroll wheel switch for momentary high output. Release to turn off.



Figure 4.1.1: Operating the scroll wheel switch for main light control.

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Video 4.1.1: Demonstration of the roller-style button and replaceable battery feature for continuous use.

4.2 Sidelights (UV, Red, Warm White)

- **Activate Sidelights:** Press the dedicated left button (located near the scroll wheel) to cycle through the warm white, red, and UV sidelight modes.
- **Warm White:** Ideal for close-up tasks or ambient lighting.
- **Red Light:** Useful for preserving night vision or as a signal light.
- **UV Light:** Can be used for verifying documents or detecting hidden stains.



Figure 4.2.1: Activating the multifunctional sidelights.

4.3 Green Beam

- The E10 Pro features a green beam for pointing or signaling.
- **Activate Green Beam:** Use the dedicated button for the green beam (refer to product diagram for exact location).
- **Power Levels:** The green beam has two power levels: Low (<math><0.39\text{mW}</math>) and High (<math><5\text{mW}</math>).

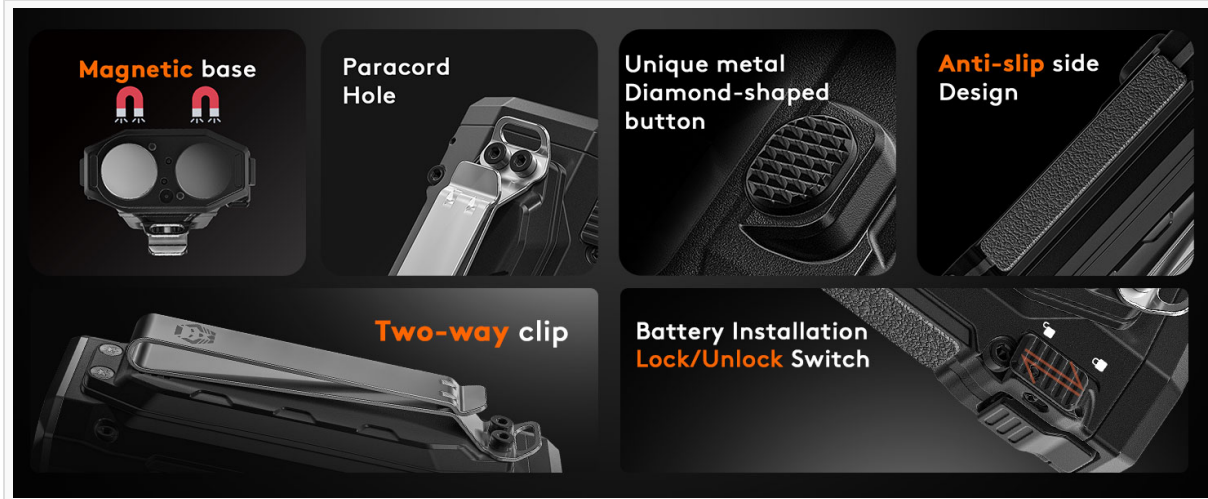


Figure 4.3.1: Green beam power levels and control.

4.4 OLED Display

The OLED screen provides real-time feedback:

- **Lumens:** Current brightness output.
- **Battery Level:** Percentage remaining (when using Li-ion 3.7V AA battery) or voltage display (with other batteries).
- **Mode in Use:** Indicates the active lighting mode.



Figure 4.4.1: OLED display showing flashlight status.

4.5 Lock/Unlock Function

To prevent accidental activation, the flashlight features a lock/unlock function:

- **Lock:** Press and hold the left button for 5 seconds. The OLED display will indicate 'Lock Mode'.
- **Unlock:** Press and hold the left button for 5 seconds again. The OLED display will indicate 'Unlock'.

5. MODES AND SPECIFICATIONS

5.1 Performance Modes

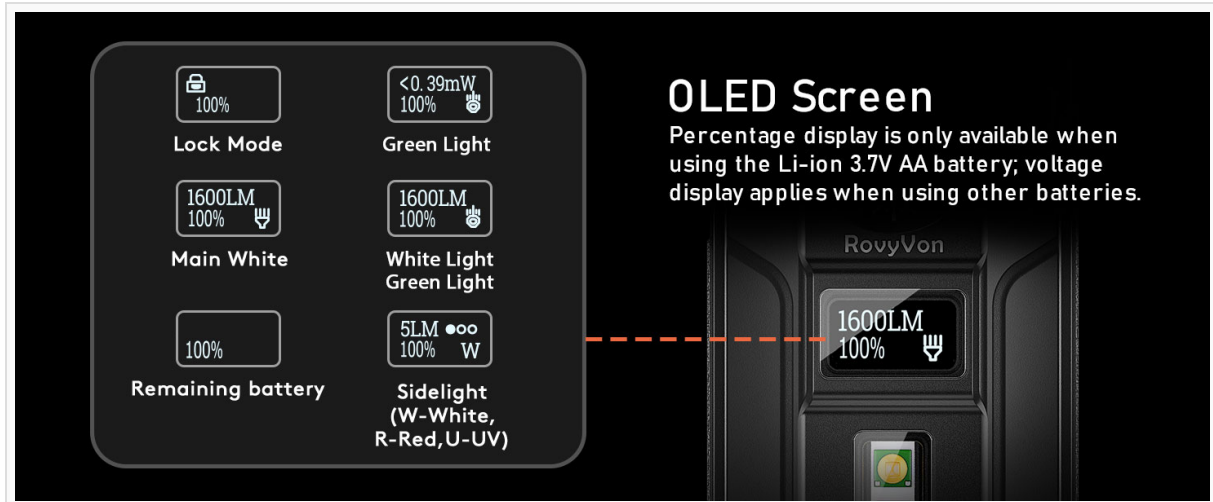


Figure 5.1.1: RovyVon E10 Pro Modes Specifications.

Note: All parameters were tested with the included 2x3.7V AA batteries. Performance may vary with different batteries or environmental conditions. The turbo mode will step down to 700 lumens in 2 minutes after it works for over 30 seconds.

5.2 General Specifications

Feature	Specification
Color	Black
Material	Aluminum Alloy
Light Source Type	LED (5 sources)
Power Source	Battery Powered (1.2V, 1.5V, 3.7V AA compatible)
White Brightness	Max 1600 Lumens
Water Resistance	IP67 Waterproof
Impact Resistance	1 Meter
Dimensions (L x W x H)	3.22" x 1.5" x 1.13" (81.8mm x 38.2mm x 28.8mm)
Weight	4.04 oz (114.5g)

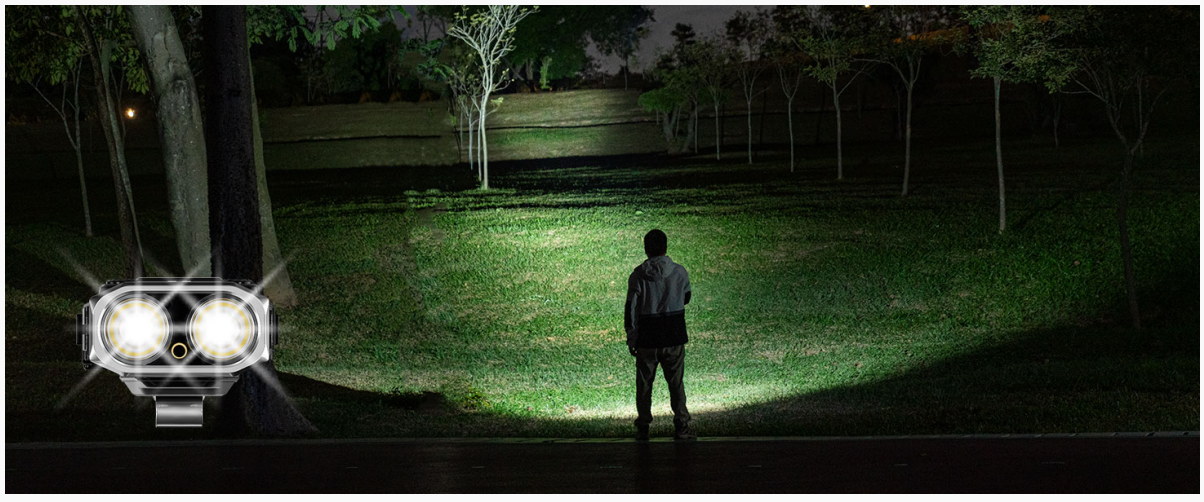


Figure 5.2.1: RovyVon E10 Pro dimensions and weight.



Figure 5.2.2: Durability features of the RovyVon E10 Pro.

6. MAINTENANCE

- **Cleaning:** Wipe the flashlight with a soft, damp cloth. Do not use harsh chemicals or abrasives.
- **Battery Care:** Ensure batteries are charged regularly, especially if the flashlight is not used for extended periods. Remove batteries if storing for a long time to prevent leakage.
- **O-rings:** Periodically inspect and lubricate the O-rings (if accessible) to maintain water resistance.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on	Low battery; Incorrect battery installation; Locked mode	Charge batteries; Reinstall batteries with correct polarity; Unlock flashlight (press and hold left button for 5s)
Light output is dim	Low battery; Dirty lens	Charge batteries; Clean lens with a soft cloth

OLED display not working	Battery issue; Internal fault	Ensure batteries are properly installed and charged. If problem persists, contact support.
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8. WARRANTY AND SUPPORT

The RovyVon E10 Pro EDC Flat Flashlight comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

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. Please have your proof of purchase ready.

Manufacturer: RovyVon: Shenzhen Runfree Equipment Technology Co.,Ltd.