RovyVon E7

RovyVon E7 Hybrid Battery EDC Flashlight Instruction Manual

Model: E7

Product Overview

The RovyVon E7 Hybrid Battery EDC Flashlight is a compact and versatile illumination tool designed for everyday carry. It features a maximum output of 700 lumens, dual LED options (6500K cool white), and a unique hybrid power system supporting both a built-in Li-po battery and a replaceable AAA battery. Its design includes a glow-in-the-dark fluorescent shell and a convenient lock mode to prevent accidental activation.



Image: The RovyVon E7 flashlight, showcasing its transparent body and dual buttons.

What's in the Box

- RovyVon E7 Flashlight (with built-in battery)
- Reversible Pocket Clip (1x)
- Key Rings (2x)
- USB-C Port Cover (1x)
- RovyVon Card (Warranty/Information)



Image: The RovyVon E7 flashlight, its packaging, and included accessories such as key rings and pocket clip.

Setup and Charging

Initial Use and Unlocking

Before first use, the flashlight must be unlocked. Rapidly click Button 1 four times when the flashlight is off to enter or exit Lock Mode. This prevents accidental activation.

Charging the Built-in Battery

The RovyVon E7 features a built-in 330mAh Li-po battery rechargeable via a USB-C port. Locate the USB-C port on the side of the flashlight. Gently lift the USB-C cover and connect a USB-C cable (not included) to a power source. A charging indicator light will show the charging status.



Image: The RovyVon E7 flashlight connected to a USB-C charging cable, showing the charging indicator light.

Installing AAA Battery (Optional)

For extended runtime or as a backup, the E7 can also be powered by a replaceable AAA battery (not included). To install, carefully open the battery compartment. Insert one AAA battery with the correct polarity. The flashlight will automatically switch to the AAA battery when the built-in Li-po battery is depleted or can be manually switched by long-pressing from off.



Image: A cutaway view of the RovyVon E7 flashlight illustrating the positions of the replaceable AAA battery and the internal USB-C rechargeable Li-po battery.

Operating Instructions

The RovyVon E7 features two distinct buttons for controlling its various light modes.



Image: Diagram showing the two control buttons on the RovyVon E7 flashlight: Button 1 for the front light and Button 2 for the side light.

Button 1: Front Light Control (Main LED)

- **Single Click (from off):** Activates Moonlight mode (0.5 lumens).
- **Double Click (from off):** Activates the last used brightness mode (Low, Medium, High). Subsequent single clicks cycle through Low (10lm), Medium (100lm), and High (700lm).
- **Triple Click (from off):** Activates Strobe mode.
- **Quadruple Click (from off):** Toggles Lock Mode on/off.
- **Long Press (from any mode):** Turns the front light off.

Button 2: Side Light Control (Auxiliary LEDs)

- **Single Click (from off):** Activates White Flood LED. Subsequent single clicks cycle between Low (0.3lm) and High (30lm) brightness.
- **Double Click (from off):** Activates Red Flood LED. Subsequent single clicks cycle between Low (5lm) and High (10lm) brightness.
- **Triple Click (from off):** Activates Red Flash mode.
- **Quadruple Click (from off):** Activates Red Beacon mode.
- **Long Press (from any mode):** Turns the side light off.

Glow-in-the-Dark Shell

The E7's fluorescent shell will glow blue after exposure to sunlight or 365nm UV light, making it easy to locate in dark environments.



Image: The RovyVon E7 flashlight glowing blue in a dark environment, demonstrating its fluorescent shell feature.

Maintenance

- **Cleaning:** Wipe the flashlight with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.
- **Battery Care:** For optimal performance and longevity of the built-in Li-po battery, avoid fully discharging it frequently. Recharge when the battery indicator is low. If using an AAA battery, remove it if the flashlight will not be used for an extended period to prevent leakage.
- **USB-C Port:** Ensure the USB-C port cover is properly sealed when not charging to maintain water resistance.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery is depleted. Flashlight is in Lock Mode. AAA battery (if used) is inserted incorrectly or depleted.	Recharge the built-in Li-po battery. Quadruple click Button 1 to exit Lock Mode. Check AAA battery polarity or replace with a fresh battery.

Problem	Possible Cause	Solution
Light output is dim.	Battery is low. Incorrect mode selected.	Recharge or replace battery. Cycle through brightness modes using Button 1 (for front light) or Button 2 (for side light).
USB-C charging not working.	Cable or power source issue. Charging port obstruction.	Try a different USB-C cable and power adapter. Ensure the charging port is clean and free of debris.

Specifications

Feature	Detail
Model	E7
Dimensions (L x W x H)	2.6" x 1.08" x 0.53" (66mm x 27.4mm x 13.5mm)
Weight	1.13 ounces (32 grams)
Light Source	LED (6500K Cool White for main, White/Red for auxiliary)
Max Output (Main LED)	700 Lumens
Power Source	Built-in 330mAh Li-po Battery / Replaceable AAA Battery
Charging Port	USB-C (5V)
Material	Polycarbonate
Water Resistance	IPX6 (Water Resistant)
Impact Resistance	1.5 meters

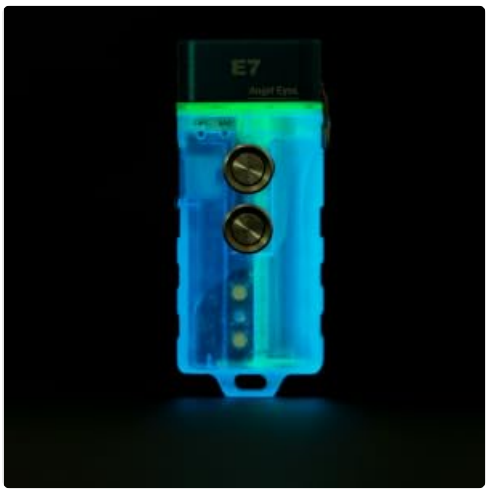


Image: A detailed table outlining the performance parameters of the RovyVon E7, including output, runtime, intensity, and beam distance for both primary and auxiliary LEDs.

Warranty and Support

RovyVon products are designed for durability and performance. For specific warranty details and support inquiries, please refer to the RovyVon card included in your product packaging or visit the official RovyVon website. You can also find additional support and product information on the RovyVon Store on Amazon.

Manufacturer: Runfree Equipment Technology (Hong Kong) CO LTD

Date First Available: July 20, 2022

© 2024 RovyVon. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question