



LED LANTERN WITH PPE
Personal protective equipment

USER'S MANUAL



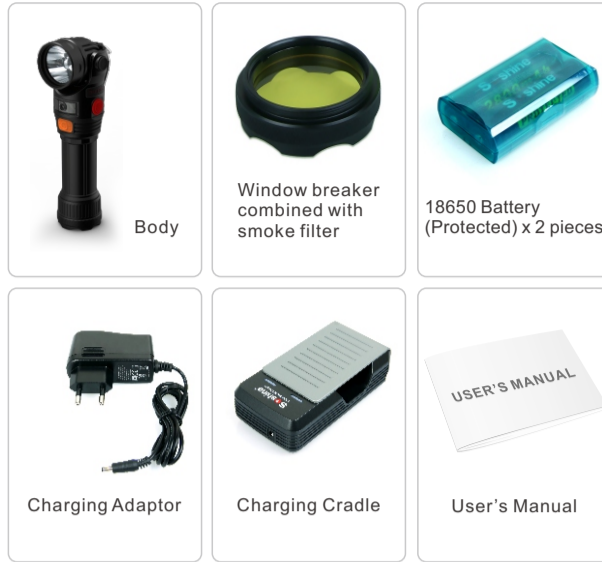
MODEL : PAF-100

Please read this manual prior to operation.
The appearance and function of this product may be changed without notice.

PREPARATIONS

- Prior to operation, please read this manual carefully.
- Check every items in the package before using.

PACKAGE



BEFORE OPERATION

DIRECTIONS

Please keep the followings to avoid potentially hazardous or damage to the product from mishandled.

1. Always use same battery supplied.



18650 rechargeable Li-Ion battery 3.7V PROTECTED.
It is not available to use the battery which has no protect circuit inside even though it is same 18650 2600mAh battery.

2. Install the battery into the magazine confirming correct polarity as shown in illustration.

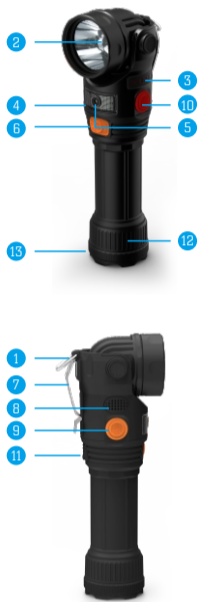


3. Do not see the lights directly from the device, it may damage your eye sight.
4. Please be sure to turn off the power during product storage.
5. If not used for a long period of time, remove the battery from the product and make fully discharge and fully charge once every 6months.
6. Do not shock the front lens to avoid breakdown.
7. Do not disassemble the product. It may have electric-shock or product damaged.
8. Do not use excessive force when adjusting head-angle. Adjust head-angle step by step.
9. Do not use excessive force on the clip.
10. Be careful not to contact sharp or pointed object on the speaker hole area to protect waterproof membrane.

BEFORE OPERATION

PARTS NAME

No.	Parts Name
1	Detachable ring
2	CREE 10W LED
3	Display remaining battery charge / Safety Mode LED
4	Laser Pointer
5	RGB LED
6	Button for Laser Pointer & Safety mode
7	Detachable belt clip
8	Siren Speaker
9	Button for RGB Power & Mode
10	Button for LED Power & Mode
11	Charging jack for compensation charge
12	Battery Cap
13	Smoke filter with tactical hammer



BEFORE OPERATION

BATTERY CHARGING

To charge the battery, put the battery into charging cradle and connect the adaptor jack as shown in illustration.

Red LED : Under Charging
Green LED : Charged completely
Red LED blink : Change battery (Normally life time of battery is different from user's circumstance)



[* Caution]

1. Use only same battery as supplied. Rechargeable 18650 Li-Ion battery 3.7V protected from overcharging.
Diameter 18mm Length 68mm Permissible tolerance 0.2mm.
It is not available to use the battery which has no protect circuit inside even though it is same 18650 2600mAh battery.
2. Before inserting the battery, confirm the battery polarity.
3. Charge the battery in the remaining battery charge and separate adaptor jack form the charging cradle once fully charged(Green LED).
4. To prolong the battery life time, let the battery be full-discharging and full-charging once every 6 months.
(The charger's green LED display lights rather low 80% ~ 90% in the state so keep 1 more hour for full charging.)
5. It takes 2 hours 30 Minutes to fully charge up a fully discharged battery.
6. Charging below 0°C would shorten the battery life time.

BEFORE OPERATION

COMPENSATION CHARGE

Open the compensation charge cover where back side of device and connect the adaptor jack as shown illustration



[* Caution]

1. Compensation charge should be used in the remaining battery charge only.
2. Do not pull rubber cover too hard.
3. Insert the rubber cover completely for waterproof after charging.

OPERATION

FLASHLIGHTS

1. Flashlights is activated with HIGH mode by pushing the button of LED Power & Mode
2. The brightness is changed sequentially whenever pressing the button of LED Power & Mode
Hi → Middle → Low → SOS → Strobe → Off
3. To turn off during operation, press the button of LED Power & Mode 2 seconds

*Caution

1. Change batteries when the ramps of battery remaining display turn into red as shown in illustration 1 and flashing in the Hi brightness mode(100%) because the LED power last 3~5 Min. only.
2. The battery remaining display as shown in illustration 2 is normal when using high brightness mode with full charged battery but it will be changed with illustration 3 when using other mode such as RGB signal or laser mode in turning off High brightness mode.



Running Time in each mode

Mode	Hi	Middle	Low	SOS	Strobe
Brightness	100%	50%	10%	50% SOS	50%
Lm	1000	500	100	500	500
Run Time(Hr)	3	6	28	6	6

OPERATION

PERSONAL SAFETY ALERT SYSTEM

Personal Safety Alert System is a function to show user's location with powerful 3 step alarm and high brightness flashing once there is no sense of vibration on the device.

How to turn on / off Personal Safety Alert System

Method 1.

1. Personal Safety Alert System is activated automatically when push the LED Power button and blue safety ramp is turned on as shown in illustration



2. Personal Safety Alert System and LED Power are turned off at the same time once push the LED Power button 2 seconds.
3. To turn off only Personal Safety Alert System in using high brightness LED continuously, just push laser pointer button 2 seconds.

Method 2.

1. Personal Safety Alert System is activated once push the laser pointer button 2 seconds when LED power is turned off.
Blue safety ramp on shows Personal Safety Alert System is working.
2. Personal Safety Alert System is released once push the laser pointer button 2 seconds.

How to stop alarm and strobe

To stop the alarm and strobe in Personal Safety Alert System mode, just push the LED Power button. In this case Personal Safety Alert System is not released, so alarm and strobe come every 15 seconds again once no sense of vibration on the device

- * 1. To use Personal Safety Alert System for the user's application, please confirm the blue safety ramp on or off.
- 2. Be careful from contacting the sharp or pointed object around speaker hole to protect waterproof membrane.

OPERATION

RGB COLOR SIGNAL LED

1. 3 color signal LED is changed when press the button of RGB Power & Mode sequentially.
Red color signal → Green color signal → Blue color signal → OFF
2. To stop the RGB function during operation, press the Button of RGB Power & Mode for 2 seconds.

*Set the head angle with vertical direction when use RGB color signal LED function.

LASER POINTER

1. Laser pointer is activated ON & OFF once press the button of Laser Pointer / Safety mode shortly.

* Do not aim laser pointer to the eyes of people.

SMOKE FILTER

1. Separate the smoke filter from the battery cap as shown in illustration.



2. Install the smoke filter on the head part and install remained protect cap (Window breaker) on the battery cover.



* To break the window, this window breaker should be installed on the battery cap.

Q&A

Can not turn on the device?

- Check if the battery is installed as instructed in the manual.
- Check the battery power

Battery can not be charged?

- Check whether the battery is installed on the battery cradle with correct polarity.

Moisture comes inside of the device?

- Sudden temperature difference may occur moisture condensation around reflectors.
- Using in a certain amount of time or drying at room temperate will remove the moisture.
- Drying by sun directly or hair dryer may be the cause of the failure of the device.

SPECIFICATION

No.	Item	Contents
1	Power LED	10W LED 1000Lm , Smoke Fluoroscopy, Max Illumination distance 400m Brightness mode : HI , MIDDLE, LOW, SOS, STROBE
2	3 Color Signal LED	RED, GREEN, BLUE
3	Laser Pointer	5mW Red Color Laser Pointer
4	Display battery remaining LED	5 Steps
5	Rescue Safety Mode	Siren & LED lighting once not to sense vibration of device for 15 seconds Display Safety Mode ON & OFF in LED
6	Head Angle Control	To control the angle from 75° ~ 180°
7	Detachable Clip	Detachable clip & ring
8	Power	Rechargeable Li-Ion battery(PCM circuit inside 3.7V 2800mAh 18650×2pcs Safety circuit inside protecting overcharging Compensation charge inside Run time : 3Hr ~28Hr
9	Smoke filter	Smoke filter(Yellow-Amber , 620nm) Window breaker combined
10	Housing	Head, Window breaker : Aircraft Aluminum 6061 T6, Hard Anodizing Body : High impact plastic for shock resist and heat resist
11	Waterproof	IP65
12	Size / Weight	90° : 222 x 66 (Max Diameter) 180° : 236 x 66 (Max Diameter) 510g (Including Batteries)