



USER MANUAL LS-A2M FLASHLIGHT

LS-A2M is a firefighter's dual beam flashlight with a warm white light in metal waterproof body.

ANSI / NEMA FL1 SPECIFICATIONS									
MODES	HIGH			MEDIUM			LOW		
RUNTIME*	Spot LED	Flood LED	Both	Spot LED	Flood LED	Both	Spot LED	Flood LED	Both
	3 h	3 h	1 h	28 h	28 h	14 h	125 h	125 h	80 h
OPTICS	Fresnel lens and reflector								
CAPABILITY	20 W (max)								
LIGHT OUTPUT	844 lm (max)								
DISTANCE	499 m (max)								
INTENSITY	62 264 cd (max)								
COLOR TEMPERATURE	3 390 K								
BEAM ANGLE	min – 2.9°, max – 68.2°								
IMPACT RESISTANCE	1 m								
WATERPROOF	IP 67, underwater 1 m								
MATERIAL	Aircraft-grade aluminum (Avial)								
BATTERY TYPE	2 Li-ion batteries 18650, 2 Li-ion batteries 26650 or 6 batteries AAA								
SWITCH	Spot-button for each LED on the head of the flashlight								
SIZE AND WEIGHT	161 mm x 72 mm x 58 mm, head diameter 65 mm, weight 365 g								
ACCESSORIES	Leather half-belt, battery cassettes, battery tubes, spare silicone o-rings								

*Measured with 26650 (5000 mAh) rechargeable batteries

OPERATING

LS-A2M has two light sources that can work together or separately. Each of them has three operating modes: full power mode, middle power mode and low power mode.

- **To turn on** the flashlight **press and release** the button.
- **To change** the operating mode **press and hold** the button for 2 seconds.



PROGRAMMING MODE

By default, the flashlight uses the following mode sequence: **High, Medium, Low**. To extend battery life, you can change the sequence to: **Medium, High, Low**. You can also enable an automatic step-down to **Low** mode when the batteries are low.

To program the flashlight:

1. **Remove the batteries** from the flashlight.
2. **Press and hold** the top button.
3. **While holding the button**, insert any single battery. (You do not need to screw the cap on fully, simply pressing it against the body is enough). The indicators will begin to flash, signaling that the flashlight has entered programming mode. You may now release the button.
4. **To select the mode sequence**, press and release the side button. The indicator colors indicate the current order:

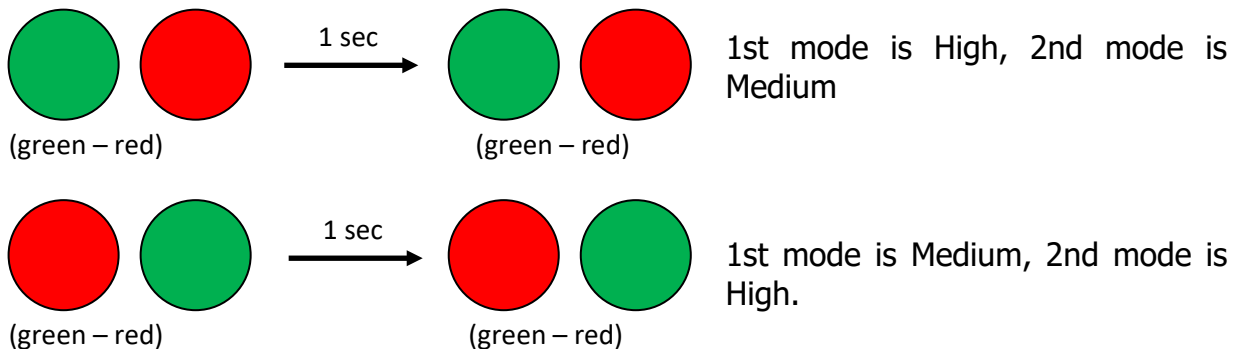


Fig. 1

5. **To toggle the automatic step-down** to Low mode **press and hold** the top button. The indicator will flash green 3 times:

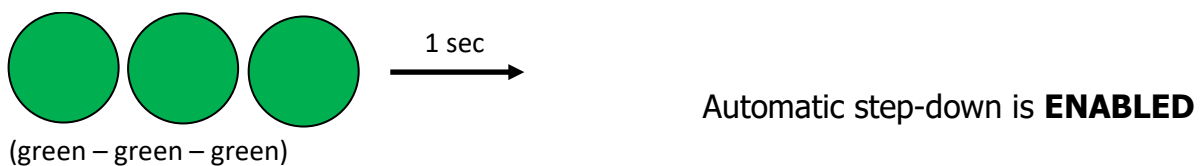


Fig. 2

Press and hold the side button. The indicator will flash red 3 times:



Fig. 3

After selection, the button will continue to show the mode sequence (as per Fig. 1). You can then release the button.

6. **To exit programming mode**, remove the battery.

COLOR INDICATION

LS-A2M has a battery charge and power mode indicators. The indicators are located on the power buttons.

High mode – the indicators are constantly lit.

Medium mode – single blink of the indicators.

Low mode – double blink of the indicators.

As the battery charge decreases the indicators change their color in the following order: green, orange, red, strobing red.

Thermal Note: In high mode, the flashlight emits significant heat, causing the body to warm up — this is normal operation.

CHARGER

The charger is powered from line supply of 100 to 240 V. Empty 5000 mAh batteries can be recharged in about 7 hours. The green light of the indicators on the buttons is a signal of completion of charging process.



WARNINGS

- Always follow the instructions from this manual.
- Do not reverse battery polarity.
- Do not simultaneously use different power sources i.e. old ones with new ones, charged with discharged. Do not simultaneously use different types of batteries, as the element with less capacity can be damaged.
- Use only the standard battery charger to charge the battery.
- Do not modify or recast the flashlight and its components as it may deprive you of the warranty.
- Do not allow water or any other liquid to leak into the flashlight.
- Do not aim a switched-on flashlight at people's or animals' eyes – it can cause temporary blindness.
- Do not allow children to use the flashlight without your assistance.

The producer will not be liable for any harm done to the user if it was caused by improper use of the product.

RULES OF TRANSPORTATION AND STORAGE

- Products can be transported by any transportation mode provided that they are protected from mechanical damage and the effects of atmospheric precipitation.
- Packed or loose products should be stored in closed, dry, heated spaces, under conditions that exclude oil-product and corrosive impact, at a distance no less than 1 m away from heating elements.
- Do not store the flashlight for more than 6 months without recharging the batteries. After 6 months of storage, recharge the batteries.

WARRANTY

We provide free warranty for 12 months. The manufacturer guarantees proper operating of the flashlight during warranty period in case of compliance with the rules of storage and operation. The product has a service life of at least 24 months from the date of putting into operation.

Guarantee does not extend to damage during:

1. Improper usage.
2. Attempts to modify or repair the flashlight by nonqualified specialists.
3. Longtime application in chlorinated or polluted water, or other liquids (other than water).
4. High temperatures ($>150^{\circ}\text{C}$) and chemicals' exposure (including the exposure of liquid from defected batteries).
5. Usage of low-quality batteries.

Country of origin: Russian Federation