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› IMALENT MS18 LED Flashlight User Manual

IMALENT MS18

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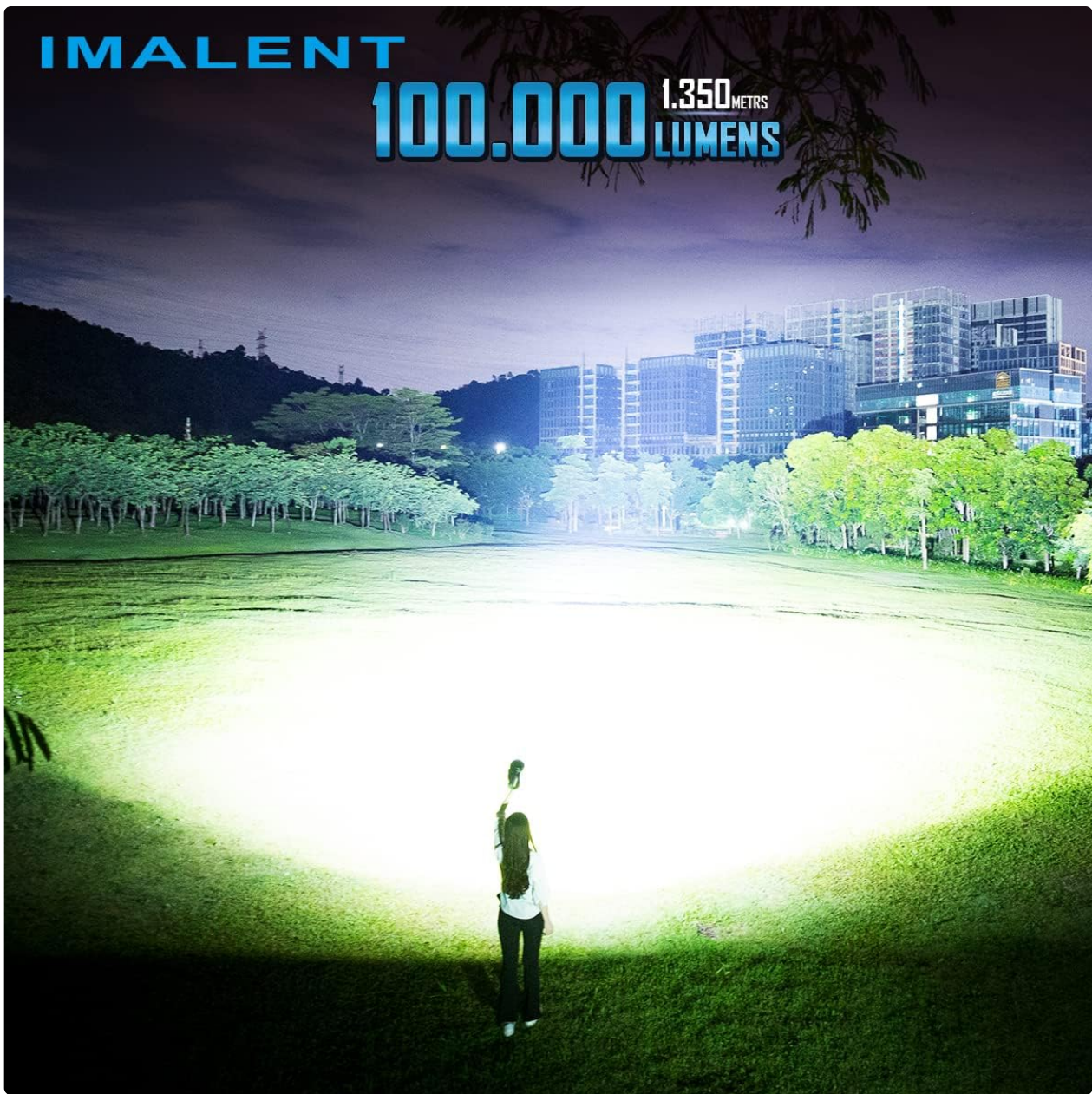
Model: MS18 | Brand: IMALENT

1. INTRODUCTION AND OVERVIEW

The IMALENT MS18 is a powerful and versatile LED flashlight designed for a wide range of applications, from outdoor adventures to emergency situations. Utilizing 18 pieces of XHP70.2 LEDs, it delivers an astonishing 100,000 lumens of brightness, with a beam throw distance of up to 1350 meters (approximately 4429 feet). Its robust construction from high-performance aluminum alloy ensures durability, while its advanced heat pipe cooling system maintains optimal performance during extended use. The MS18 features an intuitive OLED display for real-time information and multiple lighting modes to suit various needs.



The IMALENT MS18, a powerful LED flashlight with a sleek, durable design.



The MS18 flashlight demonstrating its powerful 100,000 lumen output, illuminating a vast outdoor area at night.

2. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present:

- IMALENT MS18 Flashlight x 1
- AC Charger x 1
- High Quality Shoulder Strap x 1
- Spare O-Rings x 1
- User Manual x 1

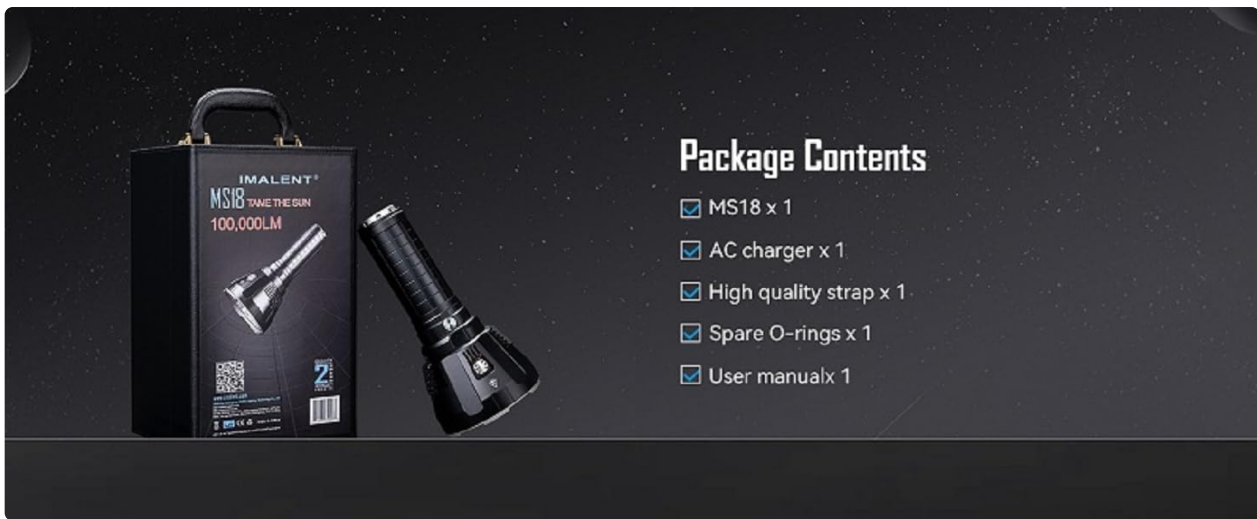


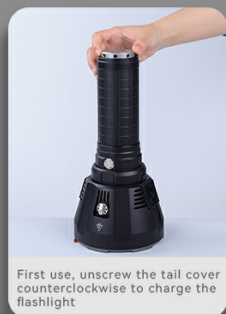
Illustration of the IMALENT MS18 flashlight and its included accessories in the package.

3. SETUP AND FIRST USE

Before using your IMALENT MS18 flashlight for the first time, please follow these important steps:

1. **Remove Battery Protection:** Unscrew the tail cover of the flashlight counter-clockwise. Locate and remove the battery protection piece, which is typically a small plastic disc or film placed between the flashlight head and the battery pack. This prevents battery drain during shipping.
2. **Secure Battery Pack:** Screw the tail cover back on tightly. Ensure it is fully tightened to establish proper electrical contact and maintain water resistance. If not tight enough, the flashlight may not power on or charge correctly.
3. **Initial Charge:** Fully charge the battery pack before first use. Refer to the 'Charging Instructions' section for detailed steps.

CONTINUED WITH THE CLASSIC & SIGNATURE DESIGNS



Visual guide demonstrating the steps to unscrew the tail cap, remove the battery protection piece, and re-tighten the tail cap for initial setup.

4. OPERATING INSTRUCTIONS

Power On/Off

Press the power switch button located on the body of the flashlight to turn it on or off.

Changing Lighting Modes

When the flashlight is on, press and hold the power switch button to cycle through the various output levels. The MS18 offers 8 standard brightness settings and 2 special modes:

- Low (700 lumens)
- Middle Low (2,000 lumens)
- Middle I (5,000 lumens)
- Middle II (10,000 lumens)
- High I (22,000 lumens)
- High II (30,000 lumens)
- High III (60,000 lumens)
- Turbo (100,000 lumens)
- Strobe (Special Mode)



The innovative OLED display on the MS18, showing various indicators such as output levels, battery voltage,

strobe mode, and a hot warning.

OLED Display Information

The integrated OLED digital screen provides real-time information about the flashlight's status, including:

- Current Output Level (e.g., 100,000L)
- Battery Voltage (e.g., 16.20V)
- Active Mode (e.g., STR for Strobe)
- Hot Warning Indicator (a triangle with an exclamation mark, indicating high temperature)

5. CHARGING INSTRUCTIONS

The IMALENT MS18 is powered by a high-capacity rechargeable battery pack. To charge the flashlight:

1. Connect the provided AC charger to an electrical outlet (19V-24V/2A).
2. Plug the DC head of the charger into the charging port located on the flashlight's battery pack.
3. When charging properly, the indicator lights at the end of the battery pack will glow red.
4. The indicator lights will turn green once the batteries are fully charged.

A full charge for the 8-piece built-in 21700 battery pack typically takes approximately 4 hours and 25 minutes.

IMALENT

Rechargeable Powerful flashlight

This product comes with intelligent charging function. Plug in the adapter(19V-24V/2A) into an electrical outlet, and plug in the DC head into the battery pack. Charging the battery pack which includes 8pcs built-in 21700 batteries will take about 4 hours 25 minutes.

When MS18 is being charged properly, the indicator lights at the end of battery pack will glow red. The indicator lights will glow green if the batteries have been fully charged.



The IMALENT MS18 flashlight connected to its charger, illustrating the charging process.

6. HEAT DISSIPATION SYSTEM

The MS18 incorporates an advanced heat pipe cooling system with integrated cooling fans. This innovative design ensures high performance and extended runtime even at maximum output levels by efficiently dissipating heat generated by the powerful LEDs. This system contributes significantly to the flashlight's durability and reliability.



IMALENT
100,000 lumens
1350m (BEAM DISTANCE)



This product comes with intelligent charging function. Plug in one of the adapters into an electrical outlet (19V-24V/2A), and plug in the other adapter into the indoor socket. Charging **8pcs 21700 batteries** will take about **4 hours 25 minutes**.

When MS18 is being charged properly, the indicator lights at the end of battery pack will glow red. The indicator lights will glow green if the batteries have been fully charged.



A detailed diagram illustrating the internal heat pipe radiator and cooling fan system of the IMALENT MS18, designed for efficient heat dissipation.

7. MAINTENANCE

To ensure the longevity and optimal performance of your IMALENT MS18 flashlight, follow these maintenance guidelines:

- **Cleaning:** Wipe the flashlight body with a clean, soft cloth. For the lens, use a lens cleaning cloth and solution to avoid scratches.
- **O-Rings:** Periodically inspect the O-rings for wear and tear. Replace them with the provided spare O-rings if necessary to maintain the IP56 waterproof and dustproof rating. Apply silicone grease to the O-rings to keep them lubricated.
- **Charging Port:** Keep the charging port clean and free of debris.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, ensure the battery is partially charged (around 50%) and recharge every few months to prevent deep discharge.

8. TROUBLESHOOTING

If you encounter issues with your IMALENT MS18, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flashlight does not turn on.	Battery protection piece not removed. Battery not charged. Tail cap not tightened.	Ensure battery protection piece is removed. Fully charge the battery pack. Tighten the tail cap securely.
Light output is weak or flickers.	Low battery. Poor contact.	Recharge the battery pack. Clean battery contacts and ensure tail cap is tight.
Flashlight gets hot quickly.	Operating on Turbo/High modes for extended periods.	This is normal for high-lumen flashlights. The built-in cooling system manages heat. Reduce brightness level if discomfort occurs.
Charging indicator does not light up.	Charger not connected properly. Faulty charger/cable.	Ensure charger is securely plugged into outlet and flashlight. Try a different outlet. Contact customer support if issue persists.

If you experience any issues not covered here or require further assistance, please contact IMALENT customer service for support.

9. SPECIFICATIONS

Feature	Detail
Brand	IMALENT
Model	MS18
Light Source Type	LED (18pcs XHP70.2 LEDs)
Brightness	100,000 Lumens (Max)
Beam Distance	1350 Meters
Power Source	Battery Powered (Rechargeable Lithium Ion pack, 8 x 21700 cells included)
Material	High Performance Aluminum Alloy
Water Resistance Level	IP56 (Waterproof and Dustproof)
Special Features	High Lumens, High Power, Portable, Rechargeable, OLED Display, Heat Pipe Cooling System
Product Dimensions	10.43"D x 5.07"W x 5.07"H
Item Weight	4.19 pounds (1900 Grams)
Voltage	220 Volts (Charger input)
Recommended Uses	Outdoor activities, emergency preparedness, professional applications

OUTPUT								
ANSI/NEMA FL1	Turbo	High III	High II	High I	Middle II	Middle I	Middle Low	Low
	100,000 ~25,000 lumens	60,000 ~25,000 lumens	30,000 ~25,000 lumens	22,000 lumens	10,000 lumens	5,000 lumens	2,000 lumens	700 lumens
	60s+45min	70s+48min	3.8min+50min	55min	1H30 min	2H45 min	6H	14H45 min
	1350meters							
	458000cd							
	1.5m							
	IP56							

Detailed output specifications for the IMALENT MS18, including lumens, runtime, beam distance, impact resistance, and waterproof rating across different modes.

10. WARRANTY AND SUPPORT

Warranty Information

The IMALENT MS18 flashlight comes with a **2-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. Please retain your proof of

purchase for warranty claims.

Customer Support

For any questions, concerns, or assistance regarding your IMALENT MS18 flashlight, please contact IMALENT customer service. They are committed to providing friendly and helpful service to ensure your satisfaction.

You can typically find contact information on the IMALENT official website or through the retailer where you purchased the product.