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XTAR D26 1600S

XTAR D26 1600S Diving Flashlight User Manual

Model: D26 1600S

1. INTRODUCTION

The XTAR D26 1600S is a high-performance diving flashlight designed for underwater exploration, offering powerful illumination and robust construction. This manual provides essential information for the safe and effective use of your D26 1600S diving flashlight.

2. PACKAGE CONTENTS

Upon opening your XTAR D26 1600S package, please verify that all the following items are included:

- 1 x XTAR D26 1600S Flashlight
- 1 x 26650 Li-ion Battery (5200mAh)
- 1 x Battery Charger
- 1 x USB Charging Cable
- 1 x Lanyard
- 1 x 18650 Battery Tube (for using 18650 batteries)
- 2 x Spare O-rings
- 2 x User Manuals (Flashlight and Charger)

You Get Everything in One Purchase

1 x D26 1600S flashlight , 1 x 26650 battery

1 x charger , 1 x USB cable ,1 x lanyard,1 x 18650 battery tube

2 x o-rings , 2 x user manuals



Image: All items included in the XTAR D26 1600S Full Set package.

3. PRODUCT FEATURES

The XTAR D26 1600S diving flashlight incorporates advanced features for optimal underwater performance:

- Powerful Illumination:** Maximum output of 1600 lumens with a long-range spot beam, reaching up to 538 meters.
- Narrow Beam Angle:** Features a 5-degree narrow beam angle, ideal for illuminating specific areas like holes, caves, and cracks underwater.
- Multiple Brightness Modes:** Four distinct modes (Turbo, High, Mid, Low) to adapt to various underwater conditions and conserve battery life.
- Magnetic Press Switch:** Easy-to-operate magnetic press switch for seamless mode switching.
- Lock Function:** Prevents accidental activation during transport or storage.
- Durable Construction:** Made from high-quality AL6063 aluminum alloy for rugged dependability.
- Enhanced Conductivity:** Gold-plated dual springs ensure super electrical conductivity and strong oxidation resistance, preventing poor contact.
- Low Power Indicator:** Provides real-time battery status to prevent unexpected power loss.
- Smart Temperature Control:** Manages heat output for consistent performance and safety.
- Waterproof:** IPX8 rated, submersible up to 100 meters.



Image: Demonstrates the 5-degree spot beam angle and 538m beam throw of the D26 1600S.

OSRAM high-quality CSLPM1.TG LED

The high-end LED combined with the XTAR special reflector, invites you to see more marine lives.

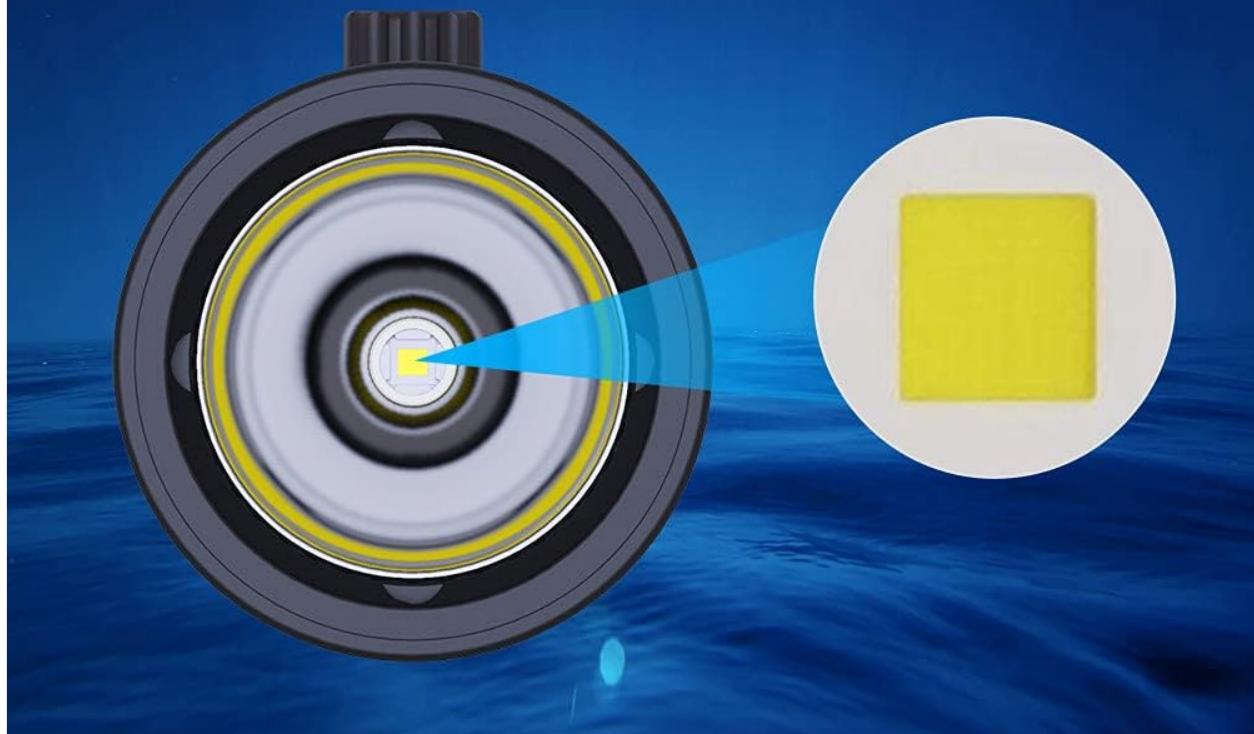


Image: Close-up of the OSRAM high-quality CSLPM1.TG LED and reflector system.

4. SETUP AND BATTERY INSTALLATION

Follow these steps to prepare your flashlight for use:

- 1. Unfolding the Flashlight:** Refer to the 'OPEN' arrow mark on the flashlight body. Unscrew the tail cap counter-clockwise to separate the body from the head.
- 2. Battery Insertion:**
 - For 26650 battery: Insert the provided 26650 Li-ion battery with the positive (+) end facing towards the head of the flashlight.
 - For 18650 battery: If using an 18650 Li-ion battery, first insert it into the provided battery sleeve, then insert the sleeve with the battery into the flashlight body, ensuring the positive (+) end faces towards the head.
- 3. Securing the Tail Cap:** Align the tail cap with the flashlight body and screw it clockwise, referring to the 'CLOSE' arrow mark, until it is fully tightened. Ensure the O-rings are properly seated to maintain waterproof integrity.

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Video: Demonstrates the unboxing and battery installation process for the XTAR D26 1600S.



Image: Proper insertion of the 26650 battery with the positive end towards the head.

5. OPERATING INSTRUCTIONS

The XTAR D26 1600S features a user-friendly magnetic press switch for control.

5.1 Power On/Off

- **To Power On:** Press and hold the switch for 3 seconds to unlock the button. The indicator will flicker, and the flashlight will turn on in Turbo mode.
- **To Power Off:** Press and hold the switch for 2 seconds.

5.2 Mode Switching

Once the flashlight is on, press the switch repeatedly to cycle through the brightness modes in the following order: Turbo (1600lm) → High (650lm) → Mid (200lm) → Low (60lm) → Turbo...

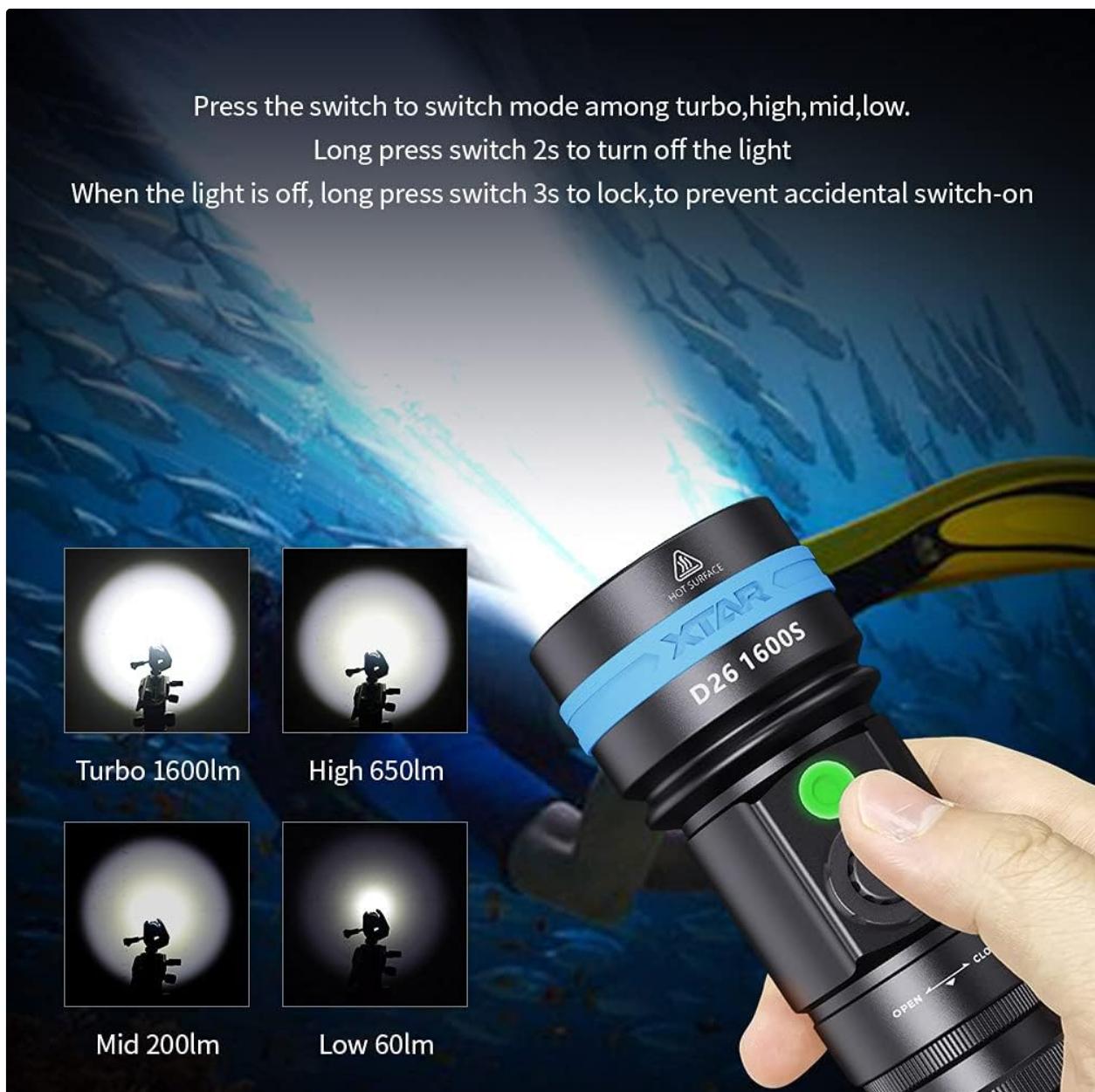


Image: Visual representation of the four brightness modes: Turbo, High, Mid, and Low.

5.3 Lock Function

To prevent accidental activation, especially during transport or when not in use:

- **To Lock:** When the light is off, press and hold the switch for 3 seconds. The indicator will flicker to confirm it is locked.
- **To Unlock:** Press and hold the switch for 3 seconds. The indicator will flicker, and the flashlight will turn on.



Image: Close-up of the magnetic press switch highlighting the lock function.

5.4 Low Power Indicator

The LED indicator provides real-time battery status:

- **Green (Solid):** Battery capacity 10% - 100%
- **Red (Solid):** Battery capacity 1% - 10%
- **Red (Blinking):** Battery capacity less than 1% (recharge immediately)



Low power indicator

- 100%~10% Solid Green
- 10%~1% Solid Red
- <1% Blinking Red

Image: Visual guide to the low power indicator colors and their corresponding battery levels.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your XTAR D26 1600S diving flashlight.

- **Cleaning:** After each dive, rinse the flashlight thoroughly with fresh water to remove salt and debris. Wipe dry with a soft cloth.
- **O-ring Care:** Regularly inspect the O-rings for any signs of wear, cracks, or damage. Lubricate them with silicone grease periodically to maintain a watertight seal. Replace damaged O-rings immediately using the provided spares.
- **Battery Care:** Always use high-quality Li-ion batteries. Recharge batteries using the provided charger before they are fully depleted. Store the flashlight with batteries removed if not in use for extended periods.
- **Storage:** Store the flashlight in a cool, dry place away from direct sunlight and extreme temperatures.

7. SAFETY INFORMATION

Please read and adhere to the following safety precautions:

- Do not look directly into the light beam when the flashlight is on, as it can cause temporary vision impairment.
- Ensure the tail cap is fully tightened before submerging the flashlight to prevent water ingress.
- Do not attempt to disassemble the sealed head of the flashlight, as this may damage the unit and void the warranty.
- Keep the flashlight out of reach of children.
- Use only recommended batteries and chargers. Improper battery use can lead to fire, explosion, or injury.
- If the flashlight becomes excessively hot during use, turn it off and allow it to cool down.

8. SPECIFICATIONS

Detailed technical specifications for the XTAR D26 1600S Diving Flashlight:

Technical parameter				
ANSI	Illumination Levels			
	Turbo	High	Mid	Low
Luminance	1600lm	650lm	200lm	60lm
Runtime	2hrs	3.67hrs	17hrs	86hrs
Beam Throw	538m			
Max Intensity	72400cd			
Impact Resistant	1.5m			
Waterproof	IPX8 (Underwater 100m)			
Size	Φ46mm(head) ×Φ33mm(body) × 156.2mm(length)			
Net weight	223g			
Spot beam angle	5°			
Beam angle	90°			

Image: Technical parameters table for the XTAR D26 1600S.

XTAR D26 1600S Technical Parameters

Parameter	Value
Luminance (Turbo)	1600 lm
Luminance (High)	650 lm
Luminance (Mid)	200 lm
Luminance (Low)	60 lm
Runtime (Turbo)	2 hours
Runtime (High)	3.67 hours
Runtime (Mid)	17 hours

Parameter	Value
Runtime (Low)	86 hours
Beam Throw	538 meters
Max Intensity	72400 cd
Impact Resistant	1.5 meters
Waterproof Rating	IPX8 (Underwater 100m)
Dimensions (Head x Body x Length)	Φ46mm x Φ33mm x 156.2mm
Net Weight	223g
Spot Beam Angle	5°
Beam Angle	90°
Material	AL6063 Aluminum Alloy
Power Source	Battery Powered (1x 26650 or 1x 18650 with sleeve)
Light Source Type	LED (OSRAM CSLPM1.TG)

9. MOUNTING OPTIONS

The XTAR D26 1600S is designed with a standard tripod screw hole, allowing it to be mounted on a variety of holders and accessories for different diving setups.

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Video: Demonstrates how the flashlight can be mounted on various holders using its standard tripod screw hole.

10. WARRANTY AND SUPPORT

XTAR products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official XTAR website. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - D26 1600S

	XTAR MC2 Portable Li-ion Battery Charger - User Manual & Specifications <p>Comprehensive guide to the XTAR MC2 portable Li-ion battery charger, covering features, technical specifications, operation, supported batteries, LED indicators, customer service, and safety notices.</p>
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	<p><u>Xtar VC2 USB Battery Charger Review: Features, Performance, and Specifications</u></p> <p>A comprehensive review of the Xtar VC2 dual-channel USB battery charger, detailing its features, supported battery types, charging performance, and technical specifications.</p>
	<p><u>XTAR MC2 Portable Li-ion Battery Charger User Manual</u></p> <p>Comprehensive user manual for the XTAR MC2 portable two-slot Li-ion battery charger. Includes specifications, operation instructions, charging tips, customer service information, warranty details, and safety notices.</p>
	<p><u>XTAR ANT MC1 Plus USB Battery Charger User Manual</u></p> <p>Comprehensive user guide for the XTAR ANT MC1 Plus, a simple and smart USB battery charger. Learn about its features, specifications, operation, and safety guidelines for various lithium-ion and LiFePO4 batteries.</p>
	<p><u>XTAR SC1 Plus Battery Charger: Speedy Li-ion & Ni-MH Charging and Power Bank Functionality</u></p> <p>The XTAR SC1 Plus is a versatile and speedy charger for Li-ion and Ni-MH batteries, also serving as a portable power bank. Featuring Type-C input, it supports various battery sizes including protected 26800 cells, and offers LED indicators for status, a 12-month warranty, and anti-fake verification.</p>
	<p><u>XTAR MC2 Intelligent Charger Manual - Features, Specifications, Warranty</u></p> <p>Detailed manual for the XTAR MC2 intelligent lithium-ion battery charger. Learn about its features, charging parameters, LED indicators, usage, warranty, and safety notices.</p>