

# LED STINGRAY RAY

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MANUAL

LED STINGRAY, LED STINGRAY BASIC SET,  
LED STINGRAY DELUXE SET, LED STINGRAY VIDEO

## **THANK YOU FOR CHOOSING THE LED STINGRAY COMPACT PRIMARY TORCH.**

We design our products to be as intuitive as possible. If you have any questions, please visit our website: [www.ammonitesystem.com](http://www.ammonitesystem.com), where you will also find more information about us and our products. You're also more than welcome to contact us directly.



**READ THIS MANUAL CAREFULLY  
YOUR SAFETY IS CRUCIAL.**

### **PRE-USE RECOMMENDATIONS**

Before using the product for the first time, read this manual carefully and follow the information contained therein.

### **INTENDED USE:**

LED STINGRAY is an all-round diving compact torch that can be used either as a primary or as a back-up diving light.

LED STINGRAY is intended for use underwater as a primary or secondary (back-up) source of light.

LED STINGRAY has been tested and approved for use up to a maximum depth of 200 meters.



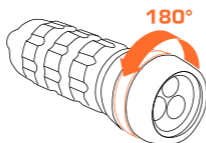
**WARNING!**  
**The metal parts can reach a high temperature while the torch is being used on the surface.**

### **TURNING THE TORCH ON / OFF**

To prepare the torch for operation, the head should be unscrewed out of the body; then the Li-ion 21700 battery should be placed inside so that the negative ("-") is located towards the spring. The head should then be screwed in.



The torch is turned on by screwing the head until the LEDs turn on. The torch is turned off by unscrewing the head until its LEDs turn off. To protect the torch against accidentally turning on, unscrewing an additional half turn is highly recommended.



Before using the torch, its integrity should be checked by verifying whether all parts sealed with o-rings are correctly located.

The o-rings must be dirt and damage free, for example debris, scratches, cracks or cuts can cause flooding and, consequently, damage the torch.

LED STINGRAY is powered by a Li-ion 21700 rechargeable battery with a USB Type-C charging port and surge protection.

## **STORAGE AND TRANSPORT**

LED STINGRAY should be stored and transported with the battery removed which helps to avoid accidental activation.

Specific directions regulate the carriage of battery-powered electrical equipment.

Before travelling by land, air, or sea, please refer to carrier instructions for (the - delete) Li-ion battery transport.

## **BATTERY CHARGING**

The Li-ion 21700 rechargeable battery must be charged with the use of the Ammonite System cable provided, or any other USB Type-C cable.



### **WARNING!**

**While charging, do not leave the charging battery unattended.**

**Do not charge the battery at temperatures lower than 0°C and higher than 40°C (32°F and 104°F, respectively).**

Do not use rechargeable batteries other than those specified in the manual. Doing so may damage the torch or weaken its performance by breaking the circuit – such is the case with unprotected batteries without USB Type-C sockets, since such batteries are slightly shorter.

## **PRECAUTIONS**

LED STINGRAY is a strong source of light.

Looking directly at the light should be avoided as it may damage your eyes!

The torch is also a source of UV radiation. Do not expose your skin to the light for extended periods.

The torch is not a toy, keep it out of reach of children.

Do not use the 21700 rechargeable batteries that are not protected by the protection circuit and/or without the USB Type-C charging port.

Do not use batteries when they heat up to temperatures higher than 40°C (104°F) – high temperatures can destroy the battery.

Do not leave the torch in the sun or next to a heat source.

As a result of this, the Li-ion battery can reach a considerable temperature, which may lead to significant gas emission or self-ignition, or even the battery's explosion.

Ammonite System® guarantees LED STINGRAY integrity up to the pressure of 309 PSI / 21 atm, which is equal to 656 ft / 200 m depth.

Do not use the torch if there is any visible damage to the o-ring sealing.

It is recommended to check the o-rings located on the head after every charge of the battery.

It is recommended to lubricate the o-rings with silicone grease every few dives.

The o-rings will ensure integrity unless they are dirty or damaged, and only when their specification complies with the specification determined by the manufacturer.

Do not use the torch if the torch has flooded or has had water inside.

## REPAIR AND MAINTENANCE

LED STINGRAY shouldn't be repaired by the user. All repairs (excluding o-ring checkout and lubrication, and rinsing the tightened torch in fresh water) should be performed only by an authorized Ammonite System service centre.

For repair and maintenance of the torch, only the components and spare parts supplied by the producer must be used.

Components and spare parts from other sources, although identical in appearance, may have slightly different properties, which may negatively impact on the performance of the torch.

Using unauthorized components and parts may weaken the performance or damage the torch.

In the event of flooding or malfunction, read the warranty terms at the end of this manual and follow the instructions contained therein.

In case of any questions, or if any of the information contained in this manual is not clear, contact the manufacturer to get an explanation.

Electrical and electronic components as well as standard or rechargeable batteries used for their power supply can be hazardous for the environment.

The „waste bin” symbol on the product or its packaging indicates that the product may not be treated as household waste.



This product should be disposed of at an appropriate collection point for waste electrical and electronic equipment.

By ensuring adequate storage, you will help prevent harmful effects on the environment and human health.

Recycling helps to preserve natural resources.

For more detailed recycling information, contact your local office, an environment agency, or a waste disposal company in your area.



After use, the batteries should be disposed of in a special container or sent for further processing to at a designated place. Please refer to local environmental regulations.

## GENERAL AMMONITE SYSTEM WARRANTY CONDITIONS

The warranty covers every Ammonite System product. Ammonite System offers a one-year basic manufacturer's warranty for the first owner against all defects in material and workmanship.

Ammonite System retains the right to:

- Repair the damaged product under the conditions specified in the warranty.
  - Replace the product with a new one when the damage or defect cannot be repaired.
  - Offer a similar product of similar value or reimburse the costs when it is not possible to replace it with the same model.
- The Ammonite System warranty does not cover defects caused by actions beyond the control of Ammonite System, except for defects caused by assembly errors and inherent vices of the product or components.

The Ammonite System warranty does not cover, among others:

- Spills, leaks, and punctures.
  - Damage that results from improper and/or unauthorized repairs or modifications.
  - Defects that result from mechanical damage.
  - Equipment that lacks proper identification markings and/or with broken warranty seals.
  - Damage resulting from improper use, servicing and storage of the product.
  - Damage or malfunction caused by the lack of periodic service, in particular when it's caused by worn O-rings and seals.
  - Errors resulting from improper assembly and mounting or use of the product in a manner non-compliant with Ammonite System's written instructions and guidelines.
  - Elements and parts are subject to natural wear and tear. Spills, leaks, punctures and breaks in cords and E / O cables are not covered by the warranty, unless they're caused directly by defects in material or assembly errors.
- Damage such as scratches, cuts and chips are not covered by the warranty.

## THE EXTENDED AMMOPOWER WARRANTY

In addition to the standard warranty, Ammonite System offers the original purchaser an extended warranty – AMMOPOWER.

The extended warranty applies to products and accessories manufactured by Ammonite System and sold to the original purchaser under the Ammonite System brand.

The warranty covers defects in material and workmanship for the entire

duration of the warranty, calculated in years from the date of original purchase, depending on the type of product.

Products and the duration of their warranty are listed in the table below.

<b>Product</b>	<b>The basic warranty</b>	<b>AMMOPOWER - the extended warranty</b>	<b>Total duration of the warranty in years</b>
A360 / S360 T-VALVE	1	2	3
Compact torches	1	2	3
Umbilical lights	1	2	3
ACCU TYPE *	1	2	3
Cables	1	No	1
Chargers	1	No	1
ACCU THERMO*	1	2	3
Battery packs	1	No	1
Goodman handles	1	2	3

\*excluding battery packs

To maintain the validity of both the basic and the extended Ammonite System warranty, the original proof of purchase is necessary.

The Ammonite System warranty is global as long as the proof of purchase is provided by an authorized Ammonite System dealer. Any authorized Ammonite System dealer can service warranty repairs under the condition that the proof of purchase is presented.

## **HOW TO MAKE A WARRANTY CLAIM**

In case of any problems please contact your local Ammonite System dealer or send an e-mail directly to: **[info@ammonitesystem.com](mailto:info@ammonitesystem.com)**

For more information, please visit:

**[www.ammonitesystem.com/3-years-warranty](http://www.ammonitesystem.com/3-years-warranty)**

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