

Fantasea Line Radiant 2500 Video Light

(Cat. No. 6045)

Instruction Manual





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DISCLAIMER

While every effort has been made in order to ensure that the information included in this instruction manual is accurate and complete, no liability will be accepted for any errors or omissions. Fantasea Line reserves the right to change product specifications and features described herein at any time without prior notice. No part of this instruction manual may be copied, translated or reproduced without the prior written permission of Fantasea Line. Fantasea Line makes no warranties aside from limited product warranty as described at the end of this manual.

INTRODUCTION

Note

Please read this manual carefully in order to properly operate the **Radiant 2500 Video Light**. Store this manual in a safe place for further reference once you have read it.

GENERAL INFORMATION

The **Radiant 2500 Video Light** is a durable and powerful video light, designed to significantly enhance color and light in underwater videos and still images.

Featuring an ergonomic design and durable construction, the **Radiant 2500 Video Light** can be comfortably integrated into any underwater photo system, such as with action cams, amphibious cameras, compact digital housings and more.

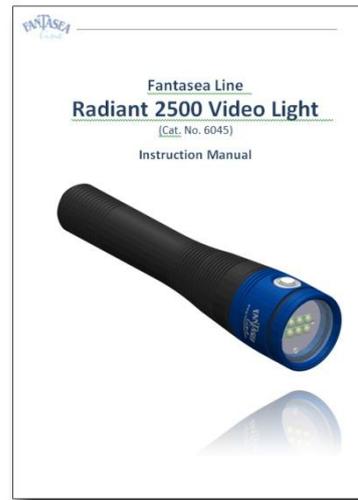
A battery power indicator light around the power switch enables easy monitoring of the battery power. The light makes use of 6 powerful LEDs, which provide an ultra bright, even and wide output. A wide beam angle of 120 degrees makes the **Radiant 2500** suitable for lighting a wide range of compositions. A 3-level adjustable power output allows you to control the intensity of the light for various compositions and diving conditions, as well as extending the burn time of the light (the batteries will provide power for a considerably longer time when the light is set at lower intensity settings such as 50% or 25%). The flashing mode can serve for signaling purposes and SOS situations, providing a helpful burn time of over 8 hours in this mode (assuming the batteries are fully charged). Color temperature of the beam is warm and assists with producing vivid and colorful videos and still images without having to use any color correction filters.

Depth rated to 100 meters/330 feet, the **Radiant 2500 Video Light** fulfills the needs of both recreational and technical divers.

SPECIFICATIONS

Depth ratio	100 meters / 330 feet
Maximum output	2500 lumens
Beam angle	120 degrees
Material	Aluminum head, Polycarbonate body
Battery	2 x 18650 Li-ion batteries
Burn time	50* minutes at 100% power * in optimal conditions
LED Lifespan	35,000 hours
Color temperature	5,300-5,600K
Operation modes	100% / 50% / 25% power / flashing
Battery power indicator	Green (100%-60% power) Yellow (60%-30% power) Red (30%-15% power) Flashing Red (15%-1% power)
Dimensions	45 x 198 mm / 1 ¾ x 7 ¾ inch (diameter x length)
Weight	262g (without batteries)
Included in package	Instruction manual, hand lanyard, Y-S connector, 4 x 18650 batteries, dual battery charger, 2 x replacement O-rings, silicone grease and rubber sleeve

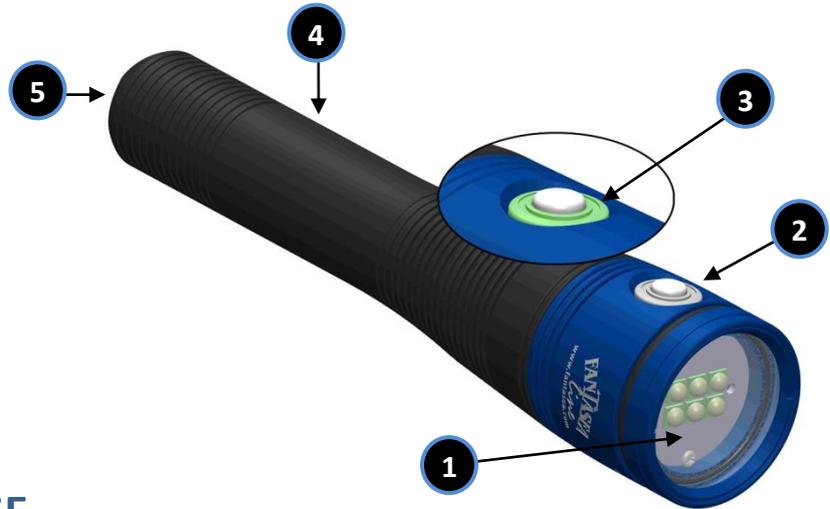
INCLUDED IN PACKAGE



- | | |
|---|--|
| 1 Radiant 2500 Video Light | 6 Dual battery charger |
| 2 Instruction Manual | 7 2 x replacement O-rings |
| 3 Hand lanyard
(installed on light) | 8 Silicone grease |
| 4 Y-S connector | 9 Rubber sleeve
(installed on body of light) |
| 5 4 x 18650 rechargeable batteries | |

IDENTIFICATION OF VIDEO LIGHT PARTS

- 1 LED head
- 2 Power button
- 3 Battery indicator light
- 4 Rubber sleeve
- 5 Hand Lanyard Insert Slot



INSTRUCTIONS FOR USE

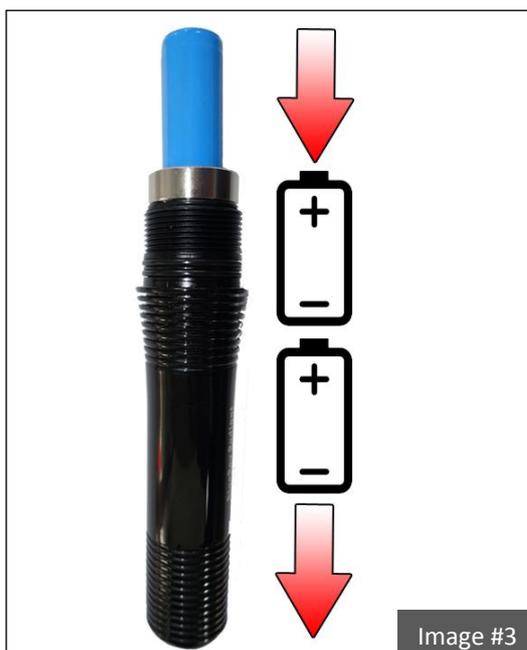
INSTALLING & REMOVING BATTERIES

1. Please read the following information and warnings prior to purchasing and installing batteries inside the Radiant 2500 Video Light:
 - a. **Only 2 x 18650 rechargeable 3.7-volt Li-Ion batteries should be installed inside the light.**
 - b. **The Radiant 2500 Video Light should only be operated using batteries supplied by Fantasea Line, as low-cost 18650 batteries might damage the light and will void the warranty. Note that the Radiant 2500 Video Light includes 4 x 18650 batteries: 2 for installation and 2 spare ones.**
 - c. **Make sure that the 18650 batteries you install inside the light feature a protective circuit board (PCB). 18650 batteries with a protective circuit board are also known as 19670. The batteries included with the light feature a PCB.**
 - d. **Warning! Under no conditions should CR123 batteries or any batteries other than a protected 18650 battery be used in this light.**
 - e. **Warning! Lithium-ion batteries can explode or cause a fire if they are used incorrectly or if they are defective. READ THE FOLLOWING CAREFULLY!**
 - **Always carefully check each battery BEFORE using to ensure that the protective seal is undamaged and intact. If in doubt, DO NOT use or recharge the battery. Dispose it at a proper disposal facility.**
 - **Always handle the battery with care. Do not drop lithium-ion batteries!**
 - **Store the battery in a safe and dry place and keep the battery away from all metal objects.**
 - **Never expose the battery to temperatures above 100 degrees Celsius.**
 - **Only use chargers that have specially been designed for use with lithium-ion batteries.**
 - **When charging batteries, keep the charger away from highly flammable materials or products and never leave the charger unattended when in use.**
 - **Please follow any additional guidelines, instructions or restrictions that are included with the batteries.**

2. To open the Radiant 2500 Video Light, hold the hand grip firmly in one hand with the hand grip pointing towards your body and the LED head pointing away. Turn the LED head clockwise until it separates (image #1). Gently separate the LED head from the body of the light (image #2).



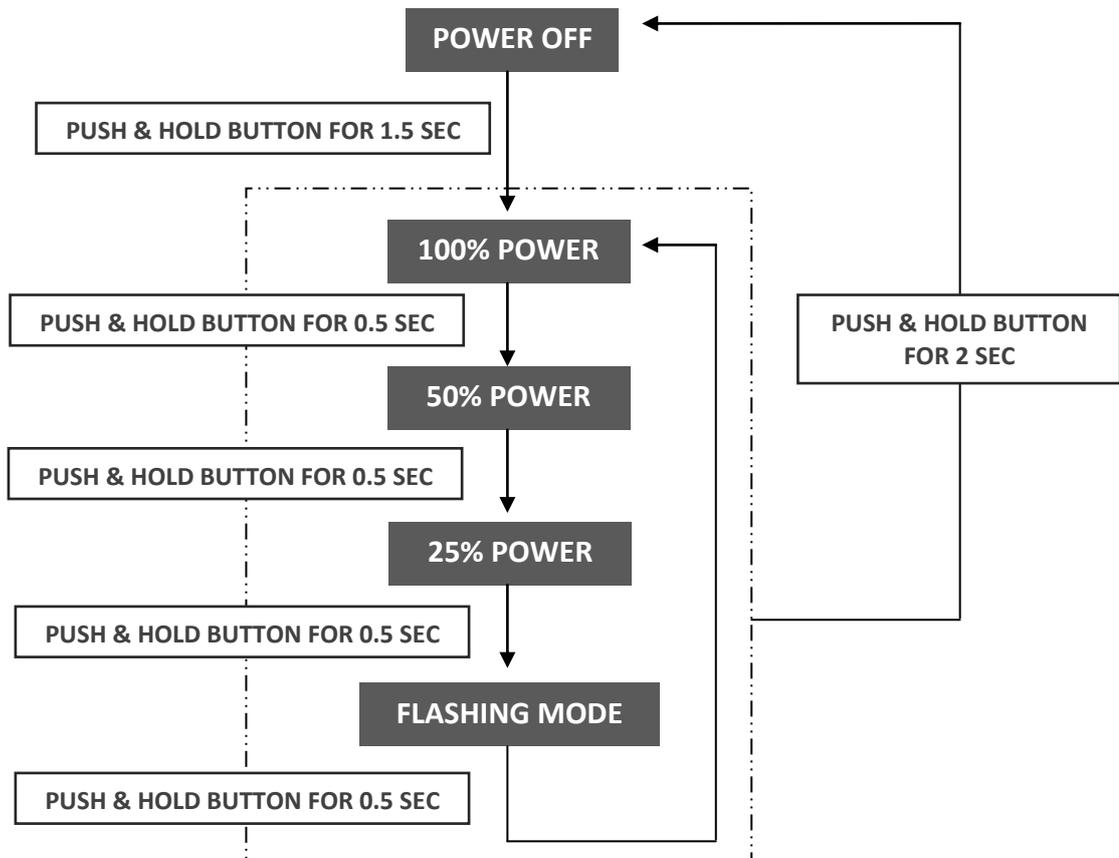
3. Install or remove 2 x 18650 Li-ion batteries inside the body of the light. Make sure to follow the instructions diagrams printed on the interior of the battery compartment and note that batteries should be installed with their positive ends (button end) pointed toward the LED head (image #3).
4. Reinstall the LED head on the body of the light, carefully aligning it with the thread on the body of the light and tightening it evenly in a counterclockwise fashion all the way to the end (image #4). Do not use force and do not allow it to screw down unevenly.



5. It is recommended that you occasionally remove the black O-ring seals from the light, wipe them with a soft, clean cloth and lubricate them with a small drop of the provided silicone grease. Then carefully replace the O-ring prior to replacing the LED head.
6. The hand lanyard is pre-installed on your light. It can be easily removed and reinstalled as needed. To install the Hand Lanyard, insert it through the Hand Lanyard Insert Slot on the back of the light, then pull it through itself and test it in order to make sure it is secure.

TURNING THE RADIANT 2500 VIDEO LIGHT ON/OFF

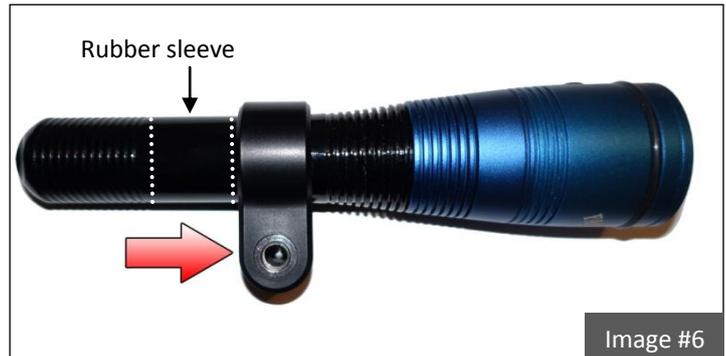
1. To turn the light on, hold down the power button for 1.5 seconds.
2. **Take special care not to stare into the light beam or shine it into the eyes of anyone else, because the light is powerful and may damage ones' eyes.**
3. The Radiant 2500 Video Light features 4 power output modes in the following order: 100% power output, 50% power output, 25% power output and flashing mode. To switch between the power output modes, simply push the power button for half a second. Each time the power button is shortly pushed, the power mode is altered according to the order of power modes as listed above.
4. To turn the light off, press the power button for 2 seconds. The light will flash three times and then shut off.
5. The following diagram outlines the operation of the Radiant 2500 Video Light:



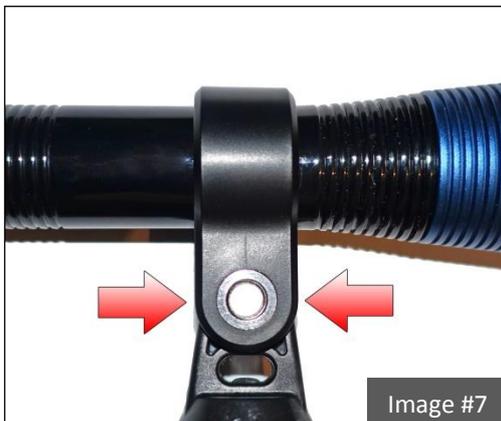
5. When the Radiant 2500 Video Light is turned on, the colorful light around the power switch button serves as a battery indicator and shows the battery charge level:
 - a. Green (100%-60% power)
 - b. Yellow (60%-30% power)
 - c. Red (30%-15% power)
 - d. Flashing Red (15%-1% power)

MOUNTING THE RADIANT 2500 VIDEO LIGHT ON AN ARM

1. The Y-S Connector included enables mounting the Radiant 2500 Video Light on any arm or connector that features a standard YS Mount at the top, such as on Fantasea Flex Arms.
2. In order to install the Y-S Connector on the Radiant 2500 Video Light, first remove the screw from the bottom of the YS Mount by unscrewing it all the way out (image #5).
3. Install the YS Mount by sliding it on the body of the light, starting from its rear end and all the way towards the LED head, making sure that the hand lanyard doesn't interfere or get caught between the light and the Y-S connector. Slide the connector over the rubber sleeve and then all the way towards the LED head until it reaches a widening and can no longer be slid forward (image #6). Note that the connector is flexible and might need to be stretched a bit in order to be slid over the rubber sleeve.



4. With the Y-S Connector installed on the light, position it over the arm so that the Y-S Mount on top of the arm is aligned with the YS Connector at the bottom of the LED light (image #7).
5. Install the screw all the way through the Y-S Connector and Y-S Mount on the arm (image #8). Tighten it enough to keep the LED light in a fixed position.
6. It is always advisable to secure the light using the hand lanyard.





CARE & MAINTENANCE

1. After each dive, carefully soak and rinse exterior components in fresh water.
2. Visually examine the two O-ring seals found below the threads of the body of the light prior to replacing the LED head. Any sand, dust or hair lines must be removed from this area in order to ensure a perfect watertight seal.
3. In case of a damaged O-ring, replace it with one of the replacement O-rings included with the light. After an O-ring replacement has been made and the light has been reassembled, make sure to test the watertight seal of the light prior to diving with it. Simply soak the light in shallow water, making sure no bubbles are escaping from it and that no water is entering the light.
4. Store the Radiant 2500 Video Light in a protected, dry and shaded area.
5. Remove batteries when storing the LED light for an extended period of time.
6. The Radiant 2500 Video Light should only be operated using batteries supplied by Fantasea Line, as low-cost 18650 batteries might damage the light and will void the warranty.
7. Avoid disassembling any parts of the light other than removing the LED head from the body so that batteries can be installed and removed. Do not attempt to disassemble the LED head.
8. There is never a need to use force when removing or reinstalling the LED head to the body of the light or to turn the light on or off. If force is required then that is an immediate indication that something is not right.

FANTASEA PRODUCTS CONSUMER LIMITED WARRANTY

“Fantasea” warrants this Fantasea Line branded product against defects in materials and workmanship under reasonable use for a period of ONE (1) YEAR, (two years, where required by law as determined by the origin of the authorized dealer). This warranty is effective from the date of retail purchase from Fantasea or an authorized Fantasea dealer, by the original end-user purchaser (“Warranty Period”). This warranty does not cover any commercial use of the product. If a product defect arises and a valid claim is received within the Warranty Period, at its option, Fantasea, or its authorized service facilities will either (1) repair the product defect at no charge, (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. The warranty will not extend beyond the original warranty period.

Your Fantasea Product should be registered within 30 days of purchase. You must keep the proof of purchase which indicates the date on which the purchase was made; as you may be required to show proof of purchase if you need warranty service. The following conditions apply: 1. This warranty extends to the original purchaser only. It is not assignable or transferable. 2. The warranty does not cover damage resulting from misuse, abuse, negligence, or accidents. Proper maintenance of the Product is the responsibility of the owner. 3. The warranty does not cover damage directly or indirectly resulting from the use of unauthorized replacement parts or service performed by unauthorized facilities. 4. This warranty does not cover any damage to any other product used in conjunction with the Fantasea product, including cameras and lenses, and resulting from any defect in the product materials or workmanship. 5. The cost of sending the product back to Fantasea or its authorized service facilities is the responsibility of the customer. 6. The warranty does not cover any incidental damages resulting from any defects in the product. This expressly includes any travel reimbursements or any other costs associated with the purchaser’s optional use of the product. The conditions of this warranty are expressly in lieu of all other expressed warranties, including the payment of consequential or incidental damages for the breach of any warranty. Please register your product on line at this URL: <http://www.fantasea.com/registration>.

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