



# Stubby LED-1000 Dive Light USER MANUAL

**⚠ CAUTION:** You must not direct the light beam from this LED dive light into people's eyes. The super bright glare from doing so may affect vision, especially in children.

## 1. Introduction:

Thank you for choosing the Dive Perfect Stubby LED-1000 Dive Light. To help ensure its high performance and reliability, please take the time to review and understand this manual.

This User Manual describes the unique functions and features of the Dive Perfect Stubby LED-1000 Dive Light. The more acquainted that you become with your new light, the more you will enjoy your diving experience. By following the instructions in this guide, you will understand how your light works allowing the best use of its features. It is very important to first read the entire contents of this manual before attempting to use your new light.

All Dive Perfect products are tested for function and water integrity before leaving the factory. Dive Perfect products are constructed with the highest quality materials and utilise the latest computer aided design and manufacturing techniques to ensure their highest performance and reliability.

The Dive Perfect Stubby LED-1000 is more than powerful enough to be used as a primary dive light for night or penetration diving. It's also great for looking into caves/crevices, restoring lost colours at depth, and daytime wreck diving. Technical and commercial divers may prefer to use it as a backup dive light. We recommend that you DO NOT use rechargeable batteries when using this dive light as a backup dive torch.



## 2. Features and Technical Specifications:

The Dive Perfect Stubby LED-1000 Dive Light offers the reliability, durability and efficiency of LED technology in a small compact package.

- Power Source: Cree XM-L U2 LED bulb
- Beam Angle: 10° centre spot with 60° spread — Aluminium oxidised reflector
- Burn Time: 3 to 6 hours (varies with battery type and quality)

- Output: 850–1000 Lumens (varies with battery charge)
- Colour Temperature: 6000-7000K
- Materials: T-6061-T6 durable aluminium alloy, anti-corrosive anodised housing, copper cylinder switch, upset glass lens
- Batteries: Three (3) 1.5 V “AA” size (double A) Alkaline batteries
- Maximum Operating Depth: 150 metres (500 feet) waterproof (IP 88 waterproof standard)  
Three layers of O-ring seals for the Rotary switch on middle body
- Modes: ON or OFF
- Dimensions: Length: 130 mm, Head Diameter: 51 mm, Middle Diameter: 40 mm; Tail Diameter: 42 mm
- Weight: 350 grams (12.35 oz) excluding batteries

Note: Dive Perfect reserves the right to change product specifications without notice.

### 3. How to use:

The Dive Perfect Stubby LED-1000 Dive Light has a simple operating procedure. Once the batteries are installed into the supplied battery carrier, slide the battery carrier pack into the housing and secure the light head by turning the housing into the light head clockwise until it stops — at this point the light is in the “ON” position. (The light will activate shortly before reaching the fully “ON” position.) To deactivate light: Turn the cap counter-clockwise until the light goes “OFF”.

- (1) **Battery Removal.** Unscrew the light head cap from the dive light body and remove the battery carrier. Please pay attention to the positive and negative battery orientation.
- (2) **Battery Installation.** Put three (3) “AA” size Alkaline batteries into the battery carrier. Please note that one battery is oriented differently to the other two batteries. Refer to the markings on the battery carrier if you’re unsure as to which way they go.
- (3) **Carrier installation.** Put the battery carrier back into the torch body with the negative end towards the bottom and the positive end towards where the light head cap screws on.
- (4) **Clockwise tighten the light head cap until the light is ON.** The light turns OFF when you reverse direction, unscrewing the light head cap counter-clockwise. It’s oaky to turn the dive light ON and OFF when underwater,

but please do not screw counter-clockwise too much or you will flood the dive light!

- (5) **Storage.** Please take out the battery carrier pack when the dive light will be stored for a long time.

### 4. Batteries

LEDs require proper battery polarity to function. If the unit fails to operate, check the battery orientation and battery carrier orientation.

For best performance, use Alkaline “AA” 1.5 V battery cells. Zinc-Carbon, Nickel-Cadmium (NiCd) and Nickel-Metal-Hydride (NiMH) batteries may be used but will result in reduced brightness and/or burn time.

#### **WARNING:**

- Never mix fresh and used batteries.
- Never mix different battery brands or chemistry types.
- Always remove drained batteries immediately.

**NOTE:** Lithium batteries offer extended constant brightness time, extreme cold weather performance, and lighter weight. Rechargeable NiCd or NiMH batteries may result in reduced brightness due to lower nominal voltage.

**NOTE:** Some battery types can emit hydrogen gas, which can create an explosive potential in sealed devices if it is not vented or removed.

## 5. Caution

- (1) Due to the amount of heat generated by the high power LED, we recommend you never leave your dive light on with the lens face down or surrounded by material that would prevent air flow from cooling the lens.
- (2) The Stubby LED-1000 battery compartment has a three O-ring waterproof seal. It is important to keep these O-rings seals free from dirt, away from harsh chemicals, and lightly lubricated with silicone grease. Never use aerosol spray lubricants as certain forms of aerosol sprays can cause damage. Inspect the seals every time the batteries are changed.
- (3) If any of the three O-rings show signs of ageing after long term use, please check the O-Rings and change to new O-rings immediately. Failure to do so risks causing leaking.
- (4) While underwater, do not turn the cap counter-clockwise more than necessary to turn OFF the light. Turning too far will flood the light.
- (5) Keep the reflector clean all the time. You must not touch it by finger or hand.
- (6) Please make sure all parts are screwed together tightly before diving.
- (7) Do not open the control circuit board. This will void your warranty.
- (8) Do not put the dive light in sunshine, dirty water, chemicals and/or corrosive gas for a long time, as this can damage the dive light cover layer.

## 6. Caring for your Dive Perfect LED Dive Light

We'd like to share some of our experience and offer tips for the proper care and treatment of your Dive Perfect Stubby LED-1000 dive light!

**Visually inspect your light.** Look closely at all parts of your light, including the O-rings, battery connection points, and lenses for dirt, sand, cracks, etc.

**Clean and grease your light.** After visual inspection, if cleaning is needed, do so immediately. Upon completion, grease O-Rings and threads with silicone grease.

**Seal your light with care.** When you're ready to tighten and seal your light (with new or charged batteries inside), you should do so with intent — watch and feel the light seal. Use your eyes, ears, and feel to understand what is going on with your light — as you tighten your light, look for signs that something may not be right:

- A gravelly or grainy sound and feeling may indicate the threads or O-rings are not cleaned fully.
- If the light feels too difficult to close, that is a good indicator that you have an O-ring problem. Your O-rings may not be well greased, or it could be pinching.

**Rinse, transport, and store carefully.** As with any diving equipment, after diving with your light in salt water, you should always wash it with warm, clean, fresh water and dishwashing detergent. Then rinse off with warm, clean, fresh water. Ensure your light is clean, and dry it out — the whole time visually inspecting your light. Once your dive light is dry, transport and store it in a protected manner. Store your dive light in a cool, dry place — preferably where it is not susceptible to scratches to ensure your Dive Perfect light continues to look and work great.

## 7. Flooding

In the unlikely event your dive light leaks or is flooded, immediately remove the batteries. Flush all parts with fresh water and allow it to dry thoroughly. Check for all possible cause of leakage and the correct problem if possible. Return the dive light for repair if necessary. Do not use batteries that have been wet. Batteries from a flooded dive light should be discarded.

## MANUFACTURER WARRANTY

1 Year Limited (Australia/USA/Canada only). Conditions may vary with your area, region, territory or country. For details, refer to the Product Warranty section on the Dive Perfect web site, or contact your local distributor or dive shop.

## SERVICE

Please refer to the Dive Perfect Australia web site at [www.diveperfect.com.au](http://www.diveperfect.com.au) for all service related issues with your Dive Perfect Stubby LED-1000 Dive Light; or for immediate assistance call +61 3 5985 3322, or email [info@diveperfect.com.au](mailto:info@diveperfect.com.au)

## RETURN POLICY

If your dive light fails to operate please contact Dive Perfect customer service on +61 3 5985 3322 for assistance.

If your dive light needs to be returned to us, we will give you a RMA#. You should then send your dive light, without batteries, for repair or replacement to:

**Dive Perfect Australia**  
**1/49 Peninsula Ave**  
**RYE VIC 3941**  
**Australia**

No warranty returns will be accepted without a RMA#. Postage due and freight collect items will not be accepted.

## COPYRIGHT NOTICE

This User Manual is copyrighted by Dive Perfect Australia. All rights are reserved. It may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine readable format without prior consent in writing from Dive Perfect.

## TRADEMARK NOTICE

Dive Perfect and the Dive Perfect logo are registered or unregistered trademarks of Dive Perfect Australia. All rights are reserved.

## WARNING

Diving is an adventure sport and should not be undertaken without receiving the necessary training from a recognised training agency.