



## IN1000L User Manual

---





## EXIN Light by Deeps Engineering

Phone: 02 4982 0094  
Phone Int: +61 2 4982 0094  
Email: [info@deepsengineering.com.au](mailto:info@deepsengineering.com.au)  
Address: 6 George Road  
Salamander Bay, NSW, 2317  
Web: [www.exinlight.com](http://www.exinlight.com)  
[www.deepsengineering.com.au](http://www.deepsengineering.com.au)

## Service & Maintenance

For information regarding service and maintenance, please contact your Authorized Representative or the Manufacturer at:

Email: [info@deepsengineering.com.au](mailto:info@deepsengineering.com.au)  
Phone: +61 2 4982 0094

**EXIN Light** is a division of **Deeps Engineering Pty Ltd.**

All EXIN Light products are manufactured, tested, and assembled by Deeps Engineering at our facility in Salamander Bay, NSW, Australia.

For more information, please visit [www.exinlight.com](http://www.exinlight.com) or [www.deepsengineering.com.au](http://www.deepsengineering.com.au)





## IN1000L User Manual

### Contents

1. Equipment Safety Guidelines .....	Page 2
2. Introduction .....	Page 3
3. Charging .....	Page 4
4. Operating Instructions .....	Page 6
5. Battery & LED Performance .....	Page 7
6. Battery Removal .....	Page 8
7. LED Replacement .....	Page 8
8. Specifications .....	Page 9
9. Spare Parts .....	Page 10
10. Accessories .....	Page 10
11. Attachments .....	Page 10
12. Warranty .....	Page 11

***The information contained within this Manual is based on the latest information and technical specifications available at the time of printing. Deeps Engineering reserves the right to make changes to product specifications without notice.***



## 1. Equipment Safety Guidelines

Every year many accidents occur which could have been avoided by a few seconds of thought and adopting a more careful approach when planning a job or simply using equipment. You as the operator can avoid many accidents or even damage to the equipment by observing and following the precautions and instructions contained in this Manual.

- a) Ensure that you have fully read and understood this Manual prior to setting up, installing, operating, or charging the equipment.
- b) Never operate this equipment if under the influence of alcohol or drugs.
- c) This equipment is only to be operated by a competent person.
- d) If the ability of this equipment to carry out its intended function is in doubt, then remove it from service and return it to an Authorised Distributor for repair.
- e) When charging from mains power, please ensure that the charging procedure is adhered to, and only charge with a power supply between 100-240V. If supplying power outside this voltage range, it may cause serious injury or damage to the equipment.
- f) Never allow any person to mount, use or charge this equipment until they have developed a thorough understanding of the safety precautions on how it operates.
- g) In some jurisdictions, operator training or equipment documentation may be required. Please check with your local regulatory authority prior to use.

## 2. Introduction

Thank you for purchasing an EXIN Light by Deeps Engineering. The information contained in this manual covers charging, setting up, operation and maintenance of the EXIN Light IN1000L. This manual needs to be fully read and understood prior to the IN1000L being charged and used.

The EXIN Light IN1000L has been developed to help with the lighting needs of consumers and for recreational activities such as boating, camping & fishing. The EXIN Light removes the need for generators and power extension leads, also reducing set up time and running costs.

When removing the EXIN Light from its packaging, remember to dispose of all packaging materials in an environmentally correct manner, then, follow charging instructions in this manual to ensure that the full use of the battery is realised.

### 3. Charging

To check if the battery is low, turn the light ON and observe for a red LED light at the bottom of the lens. **Warning: DO NOT look directly into the light as this can cause damage to your eyes.** When the battery is approximately 30 minutes from discharge, the red LED will turn on. When the battery is dead, the red LED will flash. The recharge time is approximately 7-8 hours. Whilst charging, the IN1000L will work as normal, however it is not recommended.

The EXIN Light can be recharged in two ways:

1. Mains Charger suitable for 100-240 volt AC 50-60Hz supply. The charger should only be used indoors and not exposed to the weather. 100-240 volt AC: Insert the Charger into a 3 pin outlet (outlet needs to be on a protected circuit fused / circuit breaker / RCD). Never charge the unit in a hazardous environment (i.e. a wet environment poses numerous risks including electrocution).
2. Standard 12/24 volt DC vehicle system (**Sold Separately** - plugs into standard vehicle closed space socket / lighter plug). 12/24 volt DC: Insert the male plug into a fused 12/24 volts (negative earthed) power socket. Please check that the socket selected is on a constant supply. Some plugs may be connected to a circuit on the vehicle's accessory supply. This means that the keys would need to be left in the vehicle with the ignition switch in the accessory position and this may constitute an unacceptable risk; for both safety and theft.

To charge your EXIN Light, ensure that it is placed on a firm level surface. Open the lid of the EXIN Light by pushing the button in the middle of the carry handle. Raise the light head, lift the sealed storage lid located inside the body of the EXIN Light which contains the charger. Remove the appropriate lead (100-240 volt AC or 12/24 volt DC). Place the relevant end of the charging lead into the socket located at the bottom rear of the EXIN Light. This socket has a keyway which allows easy entry for the plug. Turn the circular collar of the plug clockwise and this will lock the plug into place.

To ensure optimum battery life the unit must not be left in the discharged (flat) condition. The battery must be recharged within 7 days of being discharged to avoid permanent battery damage. To achieve a speedy charge, ensure that the light is off when recharging, however, if necessary, the EXIN Light can be used while on charge in a safe environment.



Please charge the battery after each use. When the battery is fully charged turn off the power to stop the charging process, disconnect the charging cable and place back in the charging cable compartment. If the light is being stored or not being used for long periods at a time, ensure the battery is fully charged before storing and check the

charge level at least once every 3 months, then charge if necessary.

It also must be noted that when following these instructions, the battery will still operate the light source at the battery age of 12 months; however, the battery warranty is not applicable after this 12-month period.



## 4. Operating Instructions

Place the IN1000L on a firm level surface. Push the button in the middle of the handle; keep the button pressed in until the arms are fully extended. Once you have released the push button in the middle of the handle, you will hear and feel the pins go into place, remove your finger from the push button and if the handle cannot move up or down you are in the locked position.

The ON/OFF switch (black) and the function switch (red) are located on the underside of the Light Head. To start, press the black ON/OFF switch, this will turn on the Light Head. Press the RED function switch once to turn on Low Power Mode and push the RED function switch again to turn on Flashing Mode. Press again and the light will return to High Power Mode. The RED function switch will not turn the Light Head off; you must press the BLACK main power switch for complete shutdown.

**REMEMBER: The EXIN Light should be recharged after each use to avoid Battery damage.**

To close the EXIN Light, push the button in the middle of the handle, hold in and lower the lid until the lid meets the top of the light body. Release the button and you will hear and feel the locking pins go into place; it is then locked in the closed position allowing you to carry the fully integrated EXIN Light, ready for your next adventure.





## 5. Battery & LED Performance

The battery is a Lead Acid Gel style (12-volt 9Ah) and does not need water or service, only to be charged in accordance with the instructions provided.

Figures based on a fully charged battery, the LED light source supplied with the EXIN Light has approximately 60,000 life hours when the light is used in accordance with this manual.

### **WARNING:**

- Never use a non-standard charger for the EXIN Light. This may damage the light and void your warranty. Never leave the battery fully discharged as this may permanently damage the battery.
- The battery must be stored in a cool, dry environment. High temperatures or wet environments will increase the self discharge rate. Lead Acid Gel batteries must always be kept in a fully charged condition. Check the battery voltage with a good digital volt meter every 3 months and charge if it falls below 12.8 volts.



## 6. Battery Removal

- a) Whilst in a safe environment disconnect all charging cables.
- b) Unscrew the 8 screws surrounding the battery compartment and remove the battery compartment cover slowly.
- c) Remove the battery and take note of the way the battery was packed. You must return it to the same position.
- d) Disconnect the Red (positive wire) and Blue (negative wire). Replace with the new 12V 9ah battery.
- e) Connect the wires to the corresponding connection on the battery.
- f) Ensure that the Battery is returned to the original position including foam and replace the cover.
- g) Re-install the 8 screws by hand screw driver.
- h) Place the EXIN light on charge to bring the Battery to full charge.
- i) Dispose of the Old Battery by following the guidelines and laws within your State or Territory.

## 7. LED Replacement

Please consult your local distributor or the manufacturer for LED replacement.

## 8. Specifications

	IN1000L		
Gross Weight (kg)	5.9		
Net Weight (kg)	4.9		
Open Height (mm)	670		
Closed Height (mm)	450		
Width (mm)	270		
Depth (mm)	170		
Voltage AC/DC	100-240V AC - 12V DC		
Battery	Lead Acid Gel		
Light Type	LED		
Light Head	Single Sided		
Lumens	1000		
Charging Time (hrs)	7-8		
Battery Run Time (hrs)	High: 10-12	Low 22-24	Flash: 50+

\*Battery Runtime is based on the condition of the battery.

## 9. Spare Parts

Replacement parts are available from Deeps Engineering. Please consult your place of purchase.

## 10. Accessories

Optional extras are available to purchase separately, these include additional charging options and safety & protective clip-on lenses. We are continually expanding our Accessories range, please view our website ([www.exinlight.com](http://www.exinlight.com)) to keep up to date with the latest Accessories available for your EXIN Light as some accessories may not have been available at time of printing this manual.

## 11. Attachments

The attachments mentioned in this manual are to be used for mounting EXIN Lights only. They are not to be used for any other purpose. All attachments are covered by our normal manufacturer's warranty. The warranty does not cover damage by intentional misuse or neglect.

Our Attachments include a Stabilising Plate (SI-SP2) that will provide extra stability of the EXIN Light, and a Tripod (SI-TP1). The heavy-duty construction of the Tripod allows it to stand 1100mm in height with a leg span of 70cm, weighing 3.2kg (without its base plate).

## 12. Product Warranty

### International Product Warranty

The EXIN Light is covered by a 12 month Limited Warranty (the “EXIN Light Warranty”).

### Proof of Purchase

The EXIN Light Warranty can only be claimed with a copy of the dated sales receipt as proof of purchase.

### The EXIN Light Warranty

EXIN Light makes every effort to ensure that its products meet high quality and durability standards and warrants to the original Customer/Purchaser of our products that each product be free from defects in materials and workmanship as follows:

The EXIN Light Warranty is a 1 year limited warranty from the time of purchase by the end-user on this EXIN Light product. This Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations outside of our facilities or our Authorised Service Agents or due to a lack of maintenance or to light tubes or LED's.

To proceed with a Warranty claim; the product must be returned via normal freight pre-paid to Deeps Engineering for examination with proof of purchase and an explanation of the problem.

### To the extent permissible by law, EXIN Light:

1. Excludes all implied conditions or warranties and consumer guarantees; and
2. Limits its liability for breach of the EXIN Light Warranty or for breach of any non-excludable warranty, condition or consumer guarantee to:
  - a. Replacement of the defective good; or
  - b. Repair of the defective good.
3. Excludes all liability for death, injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our Products.

## Local Laws

It is the responsibility of the Distributor to ensure that EXIN Light's Products, Packaging and Labelling comply with any laws in the Distributor's jurisdiction that impact on the distribution of the EXIN Light in such jurisdiction. Should such laws impact on such issues as labelling, registration or certification of the product or warranties, it is the

responsibility of the Distributor to provide full details of such issues to EXIN Light before orders are placed. Any changes required to EXIN Light's labelling or products will be at the cost of the Distributor.

Date of Warranty Claim: \_\_\_\_\_

Purchaser's Name: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Purchased from (Company Name): \_\_\_\_\_

Product Name: \_\_\_\_\_

Product Model: \_\_\_\_\_

Serial No: \_\_\_\_\_

**NOTES:**