# T101/LI RECHARGEABLE LED TORCH

Thank you very much for purchasing IST T101/LI dive torch. To get the maximum benefit and enjoyment out of this torch, please read through and understand the manual completely before operating this device. Should you have any question, please do not hesitate to contact your dealer for further assistance.

## Using the torch:

- To turn on the torch: Make sure the switch lock is disabled and flick the switch counter clockwise for activation.
- To turn off: Turn the switch clockwise. It is also a good idea to put on the switch lock to prevent accidental activation.

## Battery Charging:

**ELECTRICITY STORED IN ANY BATTERY WILL DIMINISH OVER TIME. IT IS IMPERATIVE TO FULLY CHARGE YOUR TORCH BEFORE USING IT THE VERY FIRST TIME!**

1. Make sure the torch's exterior is clean and dust free and dry – it is important that no moisture will ever come in contact with any components on the inside. Hold the aluminium handle in one hand and the torch's switch end in the other. Twist counter clockwise to disassemble.
2. MAKE SURE the torch is TURNED OFF before charging begins.
3. USE ONLY THE CHARGER that came with the kit. IF DAMAGE IS FOUND BY USING INCORRECT CHARGER, the torch's warranty will automatically be void.
4. The charger works with any electricity from 100v to 240v (50~60Hz). The torch receives incoming charge from the LED end of the torch.

    - The charging process will cause the battery's temperature to rise. This is normal under normal operating circumstances.

5. The charging time takes about 10~12 hours. IT IS A GOOD IDEA TO USE A TIMER TO PVERVENT OVER-CHARGEING!
6. This is a good time to check if the o-rings are in good condition and are free of any dust / dirt particle. Change to new ones if necessary. Apply silicone grease to them before putting the aluminium housing back on.

## Lithium-ion Battery care tips:

- Battery should always be charged as soon as possible after every use. DO NOT allow it to sit in a prolonged discharged state as this will cause permanent damage.
- To keep the battery in good condition, TURN the torch OFF when there is little or no power left in the battery to avoid over-discharging. Use alternative lighting equipment instead.

- Do not overcharge the battery. It will shorten the battery life and / or damage the battery cells PERMANENTLY.
- NOTE: A battery's full performance is achieved only after several complete charge and discharge cycles.
- Always store the torch with its battery fully charged. For long-term storage, be sure to re-charge the battery every one to two months (and no longer) to keep it in good condition.

## Before each dive:

- Make sure its battery is fully charged.
- Inspect if the o-rings are in clean, good condition and have a thin film of silicone grease applied to them. If in doubt, do not use the torch until the o-rings are replaced.
- The housing is screwed onto the lamp base properly (hand tight only, do not over-tightened).
- Turn on the torch and see if it is functioning properly.

## Post dive:

- Thoroughly clean the exterior then follow the prescribed battery charging process as soon as it is convenient.
- Storage: Keep the torch in a cool, shaded and dry area. Do not expose it to extreme conditions such as direct sun light, heat, temperature below –20C°(-28F° ) or above 35 C°(95F° ).

## To change from focused beam to photographic beam:

- Remove the aluminium housing – make sure the exterior is thoroughly cleaned and dried!
- Use a Philips screwdriver to remove the three screws securing the lenses to the LEDs.
- Pull out the clear lenses and replace them with photographic lenses.
- Reassemble the torch and make sure the O-rings are in good condition and the aluminium housing is fastened properly for leak-free usage.

## Specification:

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| Bulb type | 3 High Powered LEDs |
| LED life | +10000 hours |
| Colour temp. | 5500K |
| Brightness | 660 Lumens |
| Burn time | 3+ hours |
| Charging time | 10~12 hours (approx.) |
| Max. depth | 100m / 328ft |
| Buoyancy | Negative |
| Weight (dry) | 820g |
| Dimension (approx.) | 15cm ×11cm ×7cm (incl. handle) |
| Battery type | Rechargeable **Lithium-ion**, 4.2V x 10400 mAH |
| Battery life | Up to 300 recharge – discharge cycles |
| Waterproofing | 2 × o-rings |

## WARRANTY:

Under normal operating circumstances, the warranty against material / manufacturing fault is 12 months. Expendable items such as o-ring and LED bulb are not included. Any unauthorized repair / modification / misuse (i.e. not following the steps prescribed within this manual) will render this warranty invalid. Any attempt to dismantle the torch will also render this warranty invalid.