

## light-for-me User's Manual 4TEC RCA head

Please read the following manual carefully before the first use and keep it for future reference.

Scuba diving is treated as an extreme sport and requires proper training and certification. Using scuba equipment, 3XML Alexandra head included, by an untrained and inexperienced person without proper certification may cause health damage and even risk of death.

### **Light-for-me 4TEC RCA head:**

- 4 x XPE diodes
- up to 1200 lumens
- light angle: 6 degrees
- 18 W
- Piezo switch
- two modes of light: 30% and 100%
- made from anodised aluminium
- detachable cable
- cable length:
  - standard: 110cm
  - SideMount (custom made): up to 123cm



### **Before the dive**

Check the head's visual condition - see if the front glass is not chipped or broken. Check the cable - if it is cut or damaged. Check the cable's RCA plug - it should be clean and dry, remove any dust or sand with a clean tissue (see photo below).

Put the head's RCA plug into the ACCUs cable entry, press it slightly and turn the rotating cap tightly (see photos below).

Check if the head is working by pressing the switch - make sure the torch is not switched on for more than 2-5 seconds on the surface. Switching the light on on the surface and using it for longer time may cause overheating of the LEDs and lead to irreversible damage (melt the optics and deform the front glass) and cause flooding.

Do not direct the light into yours or anyone else's eyes.

Operating the head - to switch between the modes press firmly the Piezo switch: first press - 30%, second press 100%, third press - off.

Attach the 4TEC head securely to your dive harness when not held in hand. Do not let the light head dangle or be dragged on the bottom during the dive.

Do not disconnect the head from the accu when under water - this will cause flooding and irreversible damage to the head and the inside parts.



## After the dive

Before disconnecting the head from the canister, rinse the whole set (connected head plus accu) in fresh water. Dry the head, cable and RCA connection point (plug and canister's RCA port) completely before disconnecting the RCA plug from the canister.

To disconnect the plug from the canister, turn the rotating nut in an anti-clockwise direction and pull it firmly. Do not pull by the cable.

Immediately after disconnecting the cable's RCA plug - dry it.

Check the visual condition of the head and cable again.

## Burn time

4TEC RCA head can be powered by light-for-me ACCUs with compatible RCA cable entry point. Burn times (given at 100% power) depends on the battery pack and are as follows:

ACCU XS 4.4Ah:	3.5h
ACCU S 6.75Ah:	5h 20min
ACCU M 11.25Ah:	9h
ACCU L 22Ah:	17.5
ACCU 12V 18Ah:	12h

Given burn times may differ from actual burn time +/- 10%.

Given burn times are based on battery packs provided by light-for-me only.

Given burn times are based on one head connected to the ACCU.

## Storage

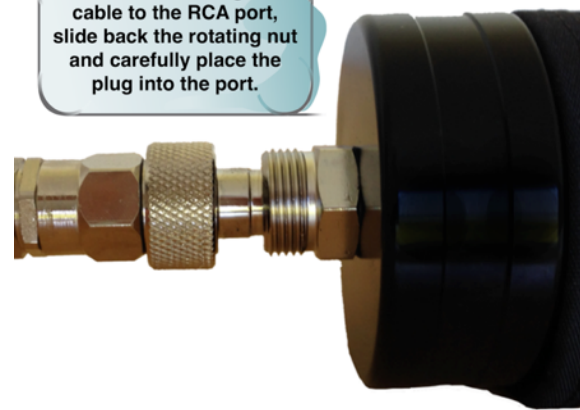
Check the head's condition and dry if necessary,

Store the head in a dry place.

Store the head in a way preventing accidental switch on or disconnected from the accu (make sure the ACCU's RCA port and head's RCA plug are not prone to getting wet / moisture).

Make sure the RCA plug is stored dry and clean. Remove any dirt or mud and dry the RCA plug thoroughly.

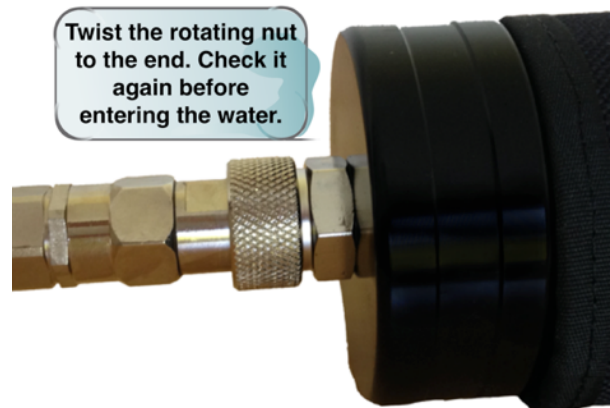
Before connecting the cable to the RCA port, slide back the rotating nut and carefully place the plug into the port.



Push the RCA plug into the port until it reaches the end.



Twist the rotating nut to the end. Check it again before entering the water.

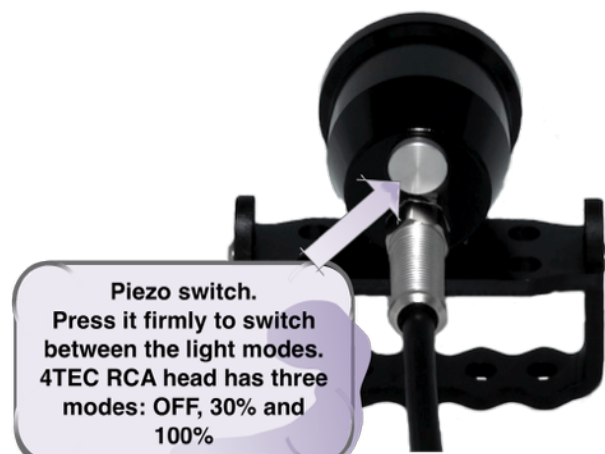


Cable's RCA plug

Rotating nut

Clean and dry this part before connecting the cable to the accu and after disconnecting it.

Piezo switch. Press it firmly to switch between the light modes. 4TEC RCA head has three modes: OFF, 30% and 100%



## Troubleshooting

Problem	Solution
<b>4TEC RCA light head does not switch on.</b>	Charge the ACCU according to the instructions provided. Clean the ACCU's connection port and cable RCA plug.
<b>One /some of the LEDs is not working.</b>	The light head needs to be serviced. The LED is damaged and/or burnt.
<b>One/some of the LEDs seem to be darker than the rest.</b>	The light head needs to be serviced. The LED is burnt.
<b>The light spot of the light head seems to be different / irregular. The light power seems to be lower.</b>	The light head needs to be serviced. The optics is probably damaged due to too high temperature inside the head (from switching the light on the surface for too long time)
<b>The 4TEC RCA head + accu have been underwater without the RCA plug fully closed. There is water in the head. The front glass is fogged from the inside.</b>	The set needs to be serviced, it has flooded.
<b>The cable is damaged, torn or cut. There are visible holes / cuts in the cable.</b>	The light head needs to be serviced. High risk of flooding the torch if it is immersed in water with its cable damaged.