

General:

- After each dive, rinse the dive light under running water to remove all traces of dirt, sand and salt.
- Dry the charging sockets after each dive, we suggest blowing in air with an airgun or straight from the cylinder.
- Avoid physical impact.
- The metalsub XRE700 is designed for use as underwater lighting application.
- When used above water we recommend to use the light only in dim position to avoid overheating.

Warranty

The Metalsub torch warranty will start on the date of purchase. The warranty period is 24 months and will only count when the torch has been used in the way the manufacturer advises and has explained in the outlines. During this warranty period we will repair all problems that are caused by manufacture related mistakes. We will take no responsibility for damage that is done through misuse or normal wear and tear of the Metalsub dive light for whatever reason. There is no warranty on the o-rings. The warranty period of the battery pack is 12 months from purchase date. Until 36 months from purchase we offer a fair settlement. We will give no warranty when any person has carried out any repair or rebuilding on our products by themselves! All goods being returned for warranty must be returned prepaid, sufficiently packed under the owners risk to your Metalsub dealer.

Technical information XRE 700

Material	Aluminium, anodised, Teflon coated *
Size (d x l)	52 mm x 240 mm
Weight above water	550 gram
Weight under water	250 gram
Hyperbaric pressure test	25 Bar
Standard light power	12 Watt LED
Reflector	Angle 10 (spot)
Battery pack	Li-Mangan 7,2 Volt – 2,6 Ah
Capacity at 100% power	Appr. 110 minutes
Capacity at 33% power (temperature 20 C)	Appr. 250 minutes
Securities	- mechanical thermal protection 60 C - overpressure valve for any battery gas leakage - lock button on switch
Electronic circuit	Variable light power 0-33-100% Deep discharging protection SOS-signal Battery capacity indication - Beacon signal - one short flash per second - Strobe signal - four short flashes per second - S.O.S. signal - 3x short, 3x long, 3x short flashes
Charger	MP500 (standard) External charging by two charging plugs Standard and only suitable for XRE700
	Automatic switch to pulse charging charge time 5 hour Standard supplied with AUS/EURO/USA/UK mains plugs

* In accordance with American Military Standard MIL-A-8625-E type 3 class 2. Also the coating is impregnated with Teflon.



®

Nederland

Manual

METALSUB - HANDLAMP CE⁰⁹

XRE 700

SAFETY PRECAUTIONS!

- You might find your new XRE700 dive light in the box with the light head not fully tightend, this is due to international freight regulations. Make sure you fully tighten the light head before you take the light into the water. You do this by turning the light head clockwise until it is firmly in place.
- Read this manual carefully before using the dive light.
- Always carry a backup light in case of dangerous dives.
- Prior to air travel the light head must be unscrewed from the body until you see the o-ring between the light head and the body (this to prevent overheating if the dive light should be switched on by accidental impact or mishandling). Please inquire with your airline if there are certain conditions or restrictions allowing you to carry the dive light in your luggage.
- To prevent loss always tie the dive light to your wrist with the supplied wrist strap or clip the dive light to the B.C. with a Metalsub Lanyard (Part No. 6020).

INSTRUCTIONS FOR USE

Before the first use, the battery pack inside the dive light must be charged completely. Please wait until the LED light on the back of the dive light starts flashing green before you disconnect the charger, this will extend the life span of the battery pack.

Charging the battery pack.

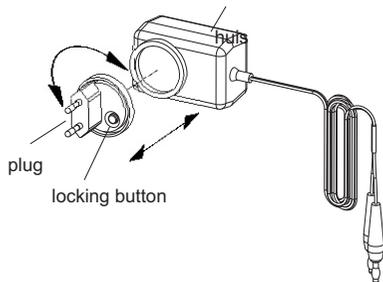
- Check that both charging sockets are dry and clean.
- Securely insert the 2 charger plugs into the charging sockets on the back of the dive light (see photo), polarity does not matter.
- Connect the Mp500 charger into the mains.

The LED indication on the back of the dive light tells you the following:

Charging: the LED indication lights green continuously.

Battery pack full/trickle charge: the LED indication lights green flashing.

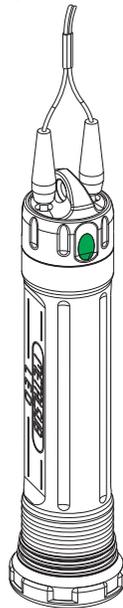
- After charging, first disconnect the charger from the mains, after that disconnect the 2 charging plugs from the sockets.



It's normal that the LED indication light flashes red when you connect to charger to the mains, within a short moment it will become green. It's normal that the LED unit in the light head flashes once at the moment you disconnect the charger from the mains. The charger is suitable for mains between 100-240 Volts. The charger is fitted with a charge controller. When the battery pack is full, the charger will automatically switch to trickle charging. The following plugs are included to be used at choice with the MP500 charger: EUR/USA/UK/AUS.

Warnings:

- Always charge the dive light in a dry and well ventilated place with an ambient temperature between 0 and 30°C and never by open fire.
- Always use the MP500 charger with the XRE700 dive light, the use of other chargers can damage the battery pack.
- After a full charge do not recharge within 30 min. A thermal switch in the dive light will cut the charging cycle.
- Do not leave the dive light permanently on trickle charge.



Switching the light on and off.

The XRE700 switch is locked in the off position (position 0).

To activate the light, push the switch in and turn the switch to the right 45° (position 1) = dim position or 90° (position 2) = 100% capacity.

By turning the switch completely to the left (position 0) the light will turn off and the switch is locked again.

The LED battery capacity indicator on the back of the dive light tells you the following.

Green:	100-50% remaining capacity
orange:	50-20% remaining capacity
red:	20-10% remaining capacity
red flashing:	10- 0% remaining capacity: the light power drops down to 33% capacity; 10 minutes are left before the light switches off.

Note to the LED battery capacity indicator

Values are measured in water temperature of 20 °C.

At lower temperatures (for example 10 °C) the LED indication will change from green into orange within a few minutes.

Signal option

Beacon flash (one flash per second): turn the switch (within 1 sec.) from position 2 to pos. 1 and back to pos. 2.

Strobe flash (four flashes per second): turn the switch for a second time (within 1 sec.) from position 2 to pos. 1 and back to pos. 2.

S.O.S. flash: turn the switch for a third time (within 1 sec.) from position 2 to pos. 1 and back to pos. 2.

The S.O.S. flash should only be used in case of an emergency. In this position it flashes S.O.S. in Morse code, 3 x short – 3 x long – 3 x short.

To exit any signal option: turn off the dive light or turn to switch to position 1.

Remarks

- Advisable to use the dive light only underwater. If the dive light should be used above water it is advisable to use only the dim position.
- If you don't use the light, turn the switch to the left (position 0)
- When you don't use the light for a long time (more than 6 months) it should be charged in a 50% condition. An ideal storage temperature is between 0°C and 30°C. Loss of capacity is 3% a year.

! When the lamp is charged for 100% the loss of capacity will be more than 10% a year.

This will shorten the life span of the battery pack.

Removal of the light head

Unscrew the light head (anti clockwise). Before reassembly clean the O-rings, or replace the O-rings when damaged or deformed and apply a thin coating of silicone grease. Reposition the light head and turn it clockwise until it is firmly in place.

Replacing the battery pack

Never remove the battery pack yourself, for changing the battery pack we recommend the light is hand in at an authorized Metalsub dealer. When created a shortcut it can cause serious injuries or fire and will damage the electronics!

