



CUSTOM UNDERWATER PRODUCTS

## OWNER'S MANUAL

# 9 x 12 Clearwater Box for GoPro



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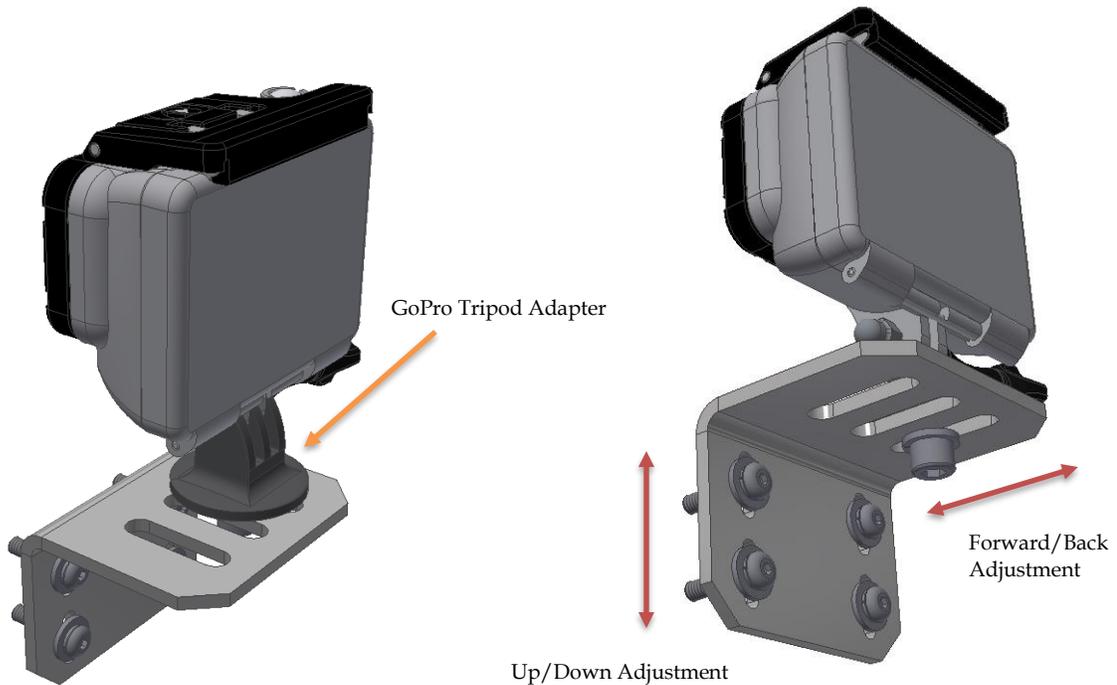
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## 1. INTRODUCTION

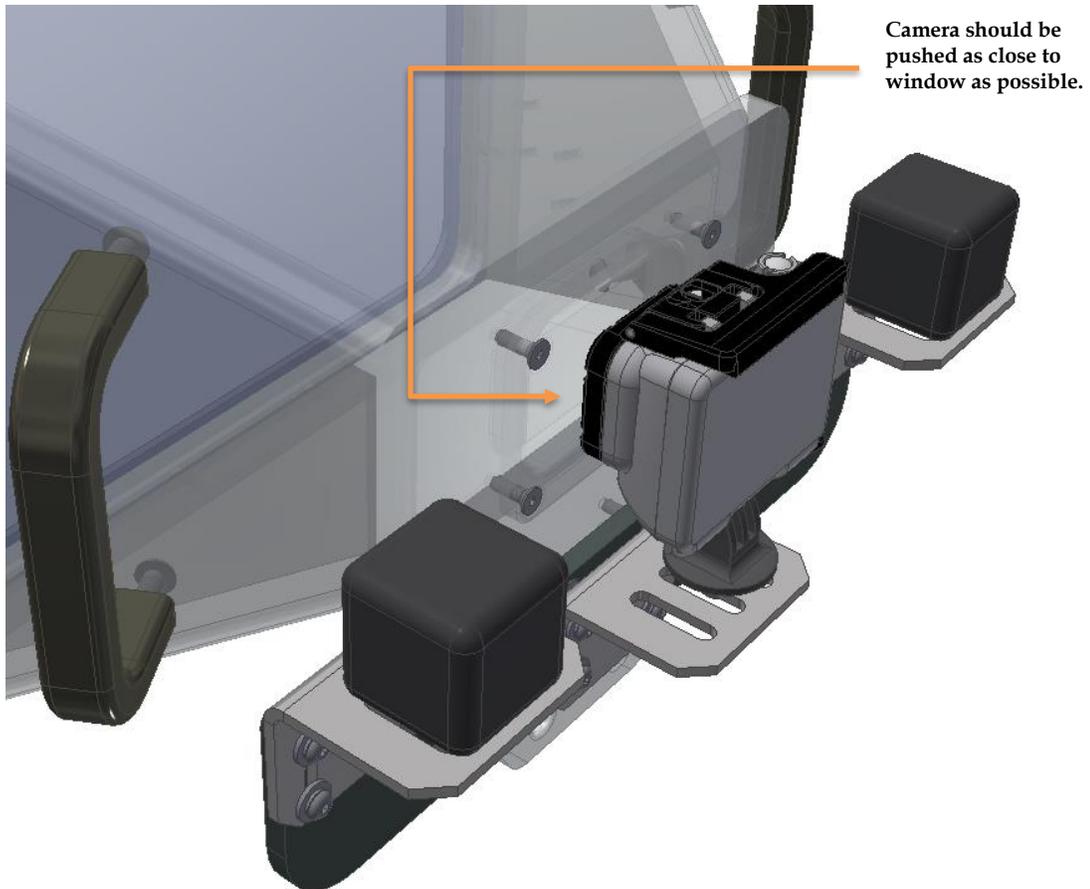
The Clearwater Box for GoPro is constructed for use in low visibility water in order to obtain images using a GoPro Camera (not included). It uses an interface of clean water contained in a clear acrylic box to provide crystal clear images of whatever the box is pressed against in low visibility water. With proper care and use, it will provide many years of service.

## 2. USING THE CLEARWATER BOX

- Before the first use of the Clearwater Box for GoPro (or similar camera), the camera should be mounted onto the metal right angle bracket attached to the rear center of the box. For GoPro cameras, you will need to use a tripod adapter with a ¼-20 bolt and lockwasher. If your camera already has a ¼-20 threaded hole in the bottom, you may be able to mount it directly to the bracket.
- The camera should be installed so that the lens is centered left-right and up-down on the rear of the clearwater box. The right-angle bracket is adjustable up and down by loosening 4 screws and the camera can be installed and adjusted within 3 different slots.



- To ensure the best image quality during use, a user must slide the camera as far forward as possible such that the GoPro Housing is touching the rear of the clearwater box.



- LED Light Installation

- The Clearwater Box comes with right angle brackets for attaching the Lume Cube underwater lights directly to the box. The lights each have a ¼-20 threaded hole and can be installed using a bolt and lock washer.
- The lights can be installed further away from the box by using the included Locline connectors. To use, attach a ball to the bottom of each light and each bracket using ¼-20 screws. Next, snap a length of Locline between the light and bracket. The length can be shortened or lengthened according to user preference.



- Filling the Clearwater Box
  - Remove the two 7/16-20 sealing bolts on the top of the Clearwater Box and fill the box with de-ionized water. When the box is close to getting full, insert one of the sealing bolts and tilt the box slightly to reduce the size of the air bubble inside the box. Once the box is full, replace the second sealing bolt. The Clearwater Box is now ready for use!

**SAFETY NOTICE:**

**The Clearwater Box for GoPro must be filled with water before use. If not filled with water, the Box could break due to external pressure forces and result in catastrophic implosion of the Box and serious injury to surrounding personnel.**

**Note on Attached Equipment:**

**When diving in low visibility water, items attached to the box (camera and lights) can become snagged on the surrounding environment and become separated from the box. The Sexton Corporation has designed the Clearwater Boxes to minimize this risk but encourages users to add secondary attachments (e.g. leashes) and perform routine maintenance ensuring that all fasteners are tight. The Sexton Corporation will not be responsible for lost cameras or lights.**

**3. CARE AND MAINTENANCE**

- Keep the housing out of direct sunlight as much as possible. Acrylic is subject to crazing, a surface cracking phenomenon, which does not affect its strength. Crazing is caused by ultraviolet radiation, present in sunlight. The closed box is a greenhouse and will heat quickly if left in direct sunlight.
- Rinse the outside surfaces with fresh water after use. The Acrylic is impervious to chemicals in the water, but will lose their luster if even small amounts of chemicals are allowed to accumulate.
- The housing is sealed by o-rings, which require meticulous care. In order to maintain a watertight seal, the o-rings and their mating surfaces must be clean, free of foreign material, and lubricated with silicone grease.
- The following procedure must be performed on access door o-rings before each use. Maintenance is as follows:
  - Clean all old silicone grease from o-rings and mating surfaces using paper towels.
  - Inspect o-rings for foreign material (sand, seaweed, hair, etc.), cracks, cuts, soft spots, or deformities. Replace o-ring if damaged. Inspect mating surfaces for scratches, rough spots, dents, or cracks.
  - Apply thin, even coat of silicone grease to o-rings using fingers. Install o-ring on the door, place the door on the housing, and close the latches simultaneously. Inspect for an unbroken dark line on mating surfaces around centerline of the o-ring, indicating that a proper seal has been made.
  - Cleaning: Do not clean Acrylic parts with any solvents other than soap and water or 70% Isopropyl Alcohol.

#### 4. SPECIFICATIONS

Housing Materials	Clear Cast Acrylic, stainless steel, Buna-N Rubber
Closure Design	Buna-N Orings
Pressure Rating	100 ft (when filled with fresh water).
Overall Size	9.4" x 13.3" x 11.5"
Buoyancy	Neutral buoyancy when filled with fresh water
Spares Kit	2 o-rings, 1 packet of o-ring grease

#### 5. WARRANTY

The manufacturer inspects and tests each housing for watertight integrity before it is delivered.

The manufacturer will repair or replace at the manufacturer's option any housing that proves to be defective in construction or material within one year of date of delivery.

The manufacturer is not liable for damage to equipment caused by leakage of water into the housing, nor is the manufacturer liable for loss of data or income therefrom as may result from such leakage. The manufacturer is not liable for any accidents during which this housing was in use.

The warranty is void in event of negligent handling of the housing included, but not limited to, dropping the housing, modifications to the housing by other than the manufacturer, improper care of the sealing components, and exceeding the specified depth limitation of the housing.

There is no express or implied warranty, nor warranty of merchantability, except as stated by the manufacturer above.

The buyer understands that, because of the nature of this product, he/she uses the housing at his/her own risk and agrees to hold the manufacturer harmless, except as stated above.

## NOTES