



GOPRO HERO4 Session 300 Meter Waterproof Housing

# **Recsea WHG-HERO4S**

## **MANUAL**



Please read this manual before use.

NTF CORPORATION UH Division

<http://www.seatool.net>

## INTRODUCTION

### GOPRO HERO4 Session Waterproof Housing WHG-HERO4S

- ※ Thank you for purchasing the WHG-HERO4S Waterproof Housing.
- ※ To ensure proper and safe use, please thoroughly read this manual.
- ※ Improper use may cause leakage causing irreparable damage to your digital camera.
- ※ Please check, and test the housing according to this manual prior to use.
- ※ Neither NTF Corporation, Seatool/Resea nor their agents shall warrant or bear any responsibility for any incident related to water leakage, damage or loss of data, unauthorized modification, disassembly and repair; or any accident causing physical or material damage while using this product.
- ※ This product is manufactured by machining methods. As a result, there may be minor scratching or tool marks. These are a normal part of the manufacturing process, do not effect operation of the housing or camera, and are not subject to warranty or any other claims.

#### **WARNING!**

- ※ Do not store or leave housing in reach of infants or small children. Small parts may be swallowed causing injury.
- ※ Please remove digital camera from housing when not in use. Battery malfunction or damage may cause fire.
- ※ The housing body is made of corrosion-resistant aluminum. However, saltwater can cause rusting so be sure to rinse thoroughly using fresh water without fail.

#### **CAUTION!**

- ※ To prevent water leakage and damage, DO NOT disassemble or modify this housing.
- ※ Do not store the housing in areas of high humidity, high or low temperatures, or areas of extreme temperature fluctuation. Doing so may cause deterioration of parts.
- ※ When diving, use a method of water entry that protects the housing from shock, which can cause water leakage. If at all possible have housing handed to you after entering the water.
- ※ This housing is designed to withstand depths of 300 meters (984 feet). Using the housing at deeper depths may cause damage and water leakage. Use caution and monitor depth.
- ※ Remove O-ring or leave housing slightly open when transporting by plane. Pressurization of a sealed housing during transport may cause damage or make it difficult to open.
- ※ When opening and closing the housing be mindful of dust and other contaminants, which may adhere to the O-ring, possibly causing water leakage and damage.
- ※ Always check O-ring prior to each use. Pay special attention to the grease condition and that the O-ring is seated uniformly in the O-ring groove with no twists or bulges. Neglecting to check the O-ring prior to each use may result in water leakage and damage.

## FEATURES OF THIS PRODUCT

- ※ Compact and durable, precision machined corrosion-resistant aluminum housing.
- ※ Lightweight designed to withstand depths of 300 meters (984 feet).
- ※ Original Secure-Latch locking mechanism for easy opening and closing.
- ※ Quality silicone O-ring with wider Back Cover contact surface for added protection at greater depths.
- ※ Complete camera function control.
- ※ Variety of supported options.

PACKAGE CONTENTS

Be sure all items listed here are included:

- WHG-HERO4S Housing
  - Reserve O-ring
- Wrist Strap
  - O-ring Grease w/Removal Pick

GETTING TO KNOW YOUR WHG-HERO4S HOUSING

SHUTTER/SELECT Button

Optional Filter Rails  
Screw Holes

Camera / Wireless  
Status Light

Lens Port

Back Cover Secure-Latch

Secure-Latch Lock Lever



Hand Strap Mount

Camera / Wireless Status Light

Back Cover

Tripod Screw  
Socket

Mount Adapter  
Pin Socket



WARRANTY INFORMATION

|                 |  |
|-----------------|--|
| Warranty Period | Two years from purchase                                  |
| Purchase Date   | Year                      Month                      Day |
| Product Name    | GOPRO HERO4 Session Waterproof Housing                   |
| Product Number  | WHG-HERO4S   |
| Dealer Name     |  |
| Serial Number   |  |

※Dealer: Stamp your company name and contact information, purchase date, model and serial number.



Seatool

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## OPENING AND CLOSING THE BACK COVER

※ Please do the following operations in a clean area with low humidity and dust.

To OPEN, press Lock Lever while pulling Secure-Latch away from housing main body.

To CLOSE, press Secure-Latch into place making sure the latch on the underside is properly placed in the Secure-Latch groove attached to the main housing body. Push into the locked position. Double check to make sure it is firmly locked into place.

## INSTALLING CAMERA

**CAUTION!** Before using, please be sure to test the housing (without camera) in bucket or aquarium if available. After use in salt water, rinse thoroughly in a bucket of fresh water without fail, pressing all buttons several times to flush out salt deposits and other contaminants. Allowing saltwater and contaminants to dry on housing can damage functions and O-ring. Clean with fresh water only, using a soft, dry cloth to wipe away water.

※ Also perform proper O-RING MAINTENANCE.

※ Please conduct the following operations in a clean area with low humidity and dust.

1. Check camera settings, battery is charged and media storage capacity is sufficient. Slowly and carefully install camera making sure camera does not hit housing's internal controls. If the camera is not inserted correctly buttons may not function properly.
2. After performing O-ring Maintenance, carefully close back cover making sure nothing is caught between the Secure-Latch and housing. Push Secure-Latch into the locked position making sure the Lock Lever is also in the locked position. Double check to make sure the Secure-Latch is securely locked into place.

**IMPORTANT!** Perform pre-dive check by immersing housing several times, starting with short intervals, gradually lengthening time, checking for water leakage after each interval. When entering water use a method of water entry that protects the housing from shock, which can cause water leakage. If at all possible have housing handed to you after entering the water.

## REMOVING CAMERA

**CAUTION!** After use in water, water will remain along the seams between housing, back cover and Secure-Latch. Wipe any water off housing with a soft dry towel to prevent water from falling into housing and onto camera.

1. Press Lock Lever while pulling Secure-Latch away from housing main body and open back cover.
2. Tip housing backwards, gently sliding camera out of housing into hand.

## HANDLING PRECAUTIONS

The Port Lens is manufactured using hard coat acrylic. When cleaning use a clean soft cloth taking care not to scratch it.

## EXTERNAL LIGHTING

※ For lights use optional Mount Adapter OP-AD-HERO4S with a Grip & Tray Assembly.

**CAUTION!** Seatool or Recsea genuine options **STRONGLY** recommended. Leakage or damages due to the use of non-genuine options are **NOT** covered under warranty.

## MAINTENANCE

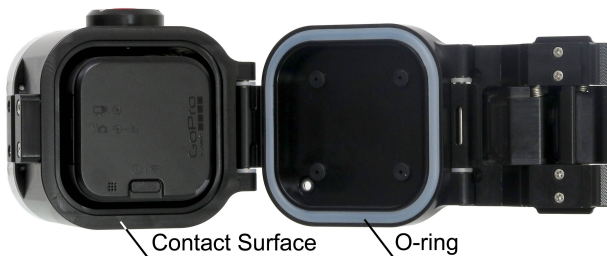
**CAUTION!** Allowing saltwater and contaminants to dry on housing can damage functions and O-ring possibly causing water leakage. Clean with fresh water only, using a soft, dry cloth to wipe away water.

※ A complete housing overhaul is recommended at least once every year.

1. After use in salt water, wash off salt and other contaminants by soaking empty housing thoroughly in a bucket of fresh water (lukewarm) for 10 to 20 minutes.
2. Manipulate all buttons and dials several times to flush out salt deposits and other contaminants.
3. Wipe any water off housing with a soft dry cloth.
4. Open Back Cover.
5. Using the O-ring Removal Pick, remove O-ring.
6. Clean O-ring groove and contact surface using a clean cotton swab. DO NOT clean housing or Lens Port with volatile organic solvents or chemical cleaning agents such as thinner, gasoline, and benzene, etc.
7. Perform O-RING GREASING & MAINTENANCE as instructed below before re-installing.

### O-RING GREASING & MAINTENANCE (※1)

**CAUTION!** This housing uses one (1) O-ring. Please be sure to install O-ring as shown below. Failure to do so will result in water leakage.



1. Using the O-ring Removal Pick, remove O-ring.
2. Clean sand, salt, other contaminants and old grease from O-ring.
3. Clean O-ring Groove and O-ring Contact Surface using a clean cotton swab and/or cloth.
4. Visually and physically check O-ring by running it through finger tips, feeling for cuts, cracks or any other defects that may cause leakage. Such defects will cause water leakage, so be sure to replace the O-ring. Be careful not to stretch or pull the O-ring too much.
5. Squeeze a rice grain sized bead of silicone grease between thumb and forefinger. Taking care not to pull or stretch the O-ring too much, uniformly spread grease on O-ring. Too little grease may cause O-ring to twist in the groove, possibly causing water leakage.
6. Place O-ring in the O-ring groove, making sure it is uniform, not twisted or bulging out, possibly causing water leakage.
7. Lightly grease Contact Surface.
8. Before closing back cover, visually check O-ring and O-ring Contact Surface to making sure no hair, lint or other contaminants are present.

### IMPORTANT NOTES:

※ When housing is not used for long periods, remove O-ring and place in a plastic bags to keep it free of dust and other contaminants and store in a place out of direct sunlight. Please also be careful of prolonged exposure to direct sunlight during use.

The O-ring and certain parts of the housing may become deformed, causing water leakage.

- ※ After extended periods of non-use, soak closed empty housing in lukewarm for half a day. Manipulate all buttons. Using a soft dry cloth wipe away water.

### CAUTION!

- ※ The O-ring is an essential part of waterproofing for this housing. Not properly greasing the O-ring as directed may cause the O-ring to twist in the O-ring groove, possibly causing water leakage.
- ※ Always perform the above O-ring, O-ring groove and O-Ring Contact Surface maintenance and greasing every time you open/close the housing.
- ※ Please pay close attention and make sure the O-ring is not twisted or bulging, free of any contaminants (dirt, hair, etc.), and that foreign objects do not obstruct proper closing of the housing back cover.
- ※ DO NOT clean the housing with volatile organic solvents or chemical cleaning agents such as thinner, gasoline, and benzene, etc.
- ※ Housing Port Lens and is manufactured using hard coat acrylic. When cleaning use a clean soft cloth taking care not to scratch it.

## SPECIFICATIONS

|                   |   |  |
|-------------------|---|--|
| Compatible Camera | GoPro HERO4 Session Action Camera                               |  |
| Maximum Depth     | 300 meters (984 feet)   |  |
| Material          | Main Body:  | Corrosion-resistant aluminum alloy, anodized     |
|                   | Lens:   | Hard Coat Acrylic                                |
|                   | Buttons:  | POM  |
|                   | Screws, Springs:  | Stainless Steel, Galvanized                      |
| Size (Housing)    | Dimensions:   | W69.6mm x D53.5mm x H58.5mm                      |
|                   | Weight:   | Approx. 196g (Land) / 110g (Freshwater w/Camera) |
| Accessories       | Wrist Strap, Reserve O-ring, O-ring Removal Pick, O-ring Grease |  |

## INSURANCE INFORMATION

- ※ Seatool/Recsea strongly recommends insuring your camera. For more information please contact your dealer.

## CONSUMABLE PARTS

- ※ For replacement of consumable parts such as O-ring please contact your dealer or Seatool/Recsea.

## AFTER-SALE SERVICE

Warranty period is two (2) years from purchase for general users, six (6) months for commercial or industrial users. Seatool/Recsea will repair manufacturing defects free of charge during the warranty period when product is used in accordance with this manual. This warranty is only valid for Housings purchased from authorized Seatool/Recsea international dealers. Damage due to customer use, and for any consumable parts, the repairs will be charged at normal rates. Shipping costs to and from dealer, or Japan if necessary, shall be

born by the customer for warranty and all other cases. This warranty does not cover any damage to digital camera for any reason, including damage caused by water intrusion. Please obtain insurance for all your equipment. Any repairs due to the following will be charged at normal rates:

- 1) Repaired, modified or disassembled by person or company other than Seatool/Recsea;
  - 2) If damaged in fire, natural disaster such as earthquake, flood, lightning, etc.;
  - 3) Damage caused by dropping, impact, vibration;
  - 4) When returned for warranty service not accompanied with Warranty Information copy, or if Warranty Information is altered.
- ✖ Warranty does not cover any losses resulting from any malfunction of this product of this product, including those related to lost profits or any related expenses.
- ✖ Seatool/Recsea will stock parts necessary for repair for five (5) years from stop of production.
- ✖ This product uses some degradable parts, such as buttons and O-rings. Seatool/Recsea recommends overhauling the housing once per year, more frequently if used often. Overhaul service is charged at normal rates.

## OPTIONS

The following items are optional. Please contact Seatool/Recsea or your local dealer if you wish to purchase.

- WHG-HERO4S Fresh/Salt Water Color Filter Set w/Filter Rails OP-CF-HERO4S
- GOPRO HERO4 Session Mount Adapter OP-AD-HERO4S
- WHG-HERO4S O-ring
- Seatool O-ring Grease 3 ml Tube

Following options may be used in conjunction with the Mount Adapter OP-AD-HERO4S:

- WHG-HERO3 GoPro Mount Adapter OP-HM-HERO3
- WHG-HERO3 M10 Ball Joint Adapter OP-BJ-HERO3
- Left Hand Single Grip & Tray Assembly STG-06L2
- Dual Grip & Tray Assembly STG-06W2
- Left Hand Single Grip & Tray Assembly STG-05L2
- Dual Grip & Tray Assembly STG-05W2
- Left Hand Single Grip & Tray Assembly STG-05JL2
- Dual Grip Extension STG-05JWEP
- INON Tray Adapter ADT-1S



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