

Thank you for your purchase of SEA&SEA product. For proper operation of the product and safe handling, please read the following instructions carefully before use. This manual should be retained for future reference.

Note:

This products have passed SEA&SEA's criteria-based inspection for pressure resistance.

Safety Precautions

* Failure to heed the precautions listed below could result in serious consequences. To prevent injury or damage to yourself and/or others, please observe the precautions as they contain highly important information related to personal and product safety.

⚠ WARNING Situations that could result in severe injury or death.

⚠ CAUTION Situations that could result in property damage or personal injury.

⚠ WARNING

- Do not leave the product under the sun without caps or covers attached, to prevent fire due to concentrated sun rays.
- Do not look at the sun through the lens or the viewfinder to prevent permanent visual impairment.

⚠ CAUTION

- Unauthorized disassembling and/or modification could result in malfunction or flooding, and void product warranty. Take the product to a SEA&SEA authorized service center for repair or inspection.
- Always make sure that the camera, strobe, light and accessories are securely mounted to prevent them from falling off, becoming lost, causing personal injury or equipment malfunction.
- Avoid strong shocks/impacts or excess stress to prevent malfunction, damage or breakdown. Make sure that the product has been securely mounted to other products in order to prevent injury, fall or missing.
- Do not carry the camera or housing by holding the accessories such as arm, cable, strobe, etc. Heavy components may fall and cause damage or injury.
- Do not leave the product in places with hot temperatures such as inside of a car or in a car trunk in summer. The heat may deform plastic parts of the product, damaging internal parts and resulting in potential fire or electric shock.

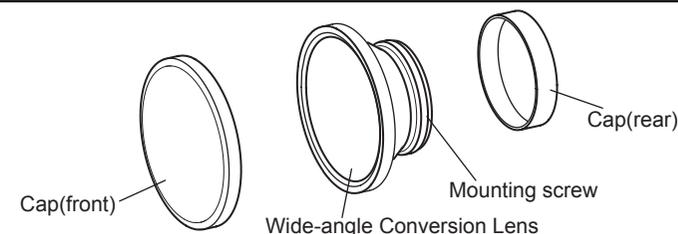
If the product is sealed tight in hot conditions, heated air expanding inside the product may deform the casing and ruin the waterproofing.

- Do not store the product in wet or high humidity place, to avoid mold, rust, corrosion or malfunction.
- Do not store the product wet. Thoroughly dry the glass surface using a soft non-scratching cloth to prevent spot marks.
- SEA&SEA SUNPAK Co., Ltd. will not be responsible for the replacement or compensation for cameras, lenses or those accessories damaged due to your invalid operation.
- SEA&SEA SUNPAK Co., Ltd. assumes no liability for compensation of loss of captured images or expenses caused by loss of images, even if you are unable to shoot due to a product defect or malfunction.
- SEA&SEA SUNPAK Co., Ltd. assumes no liability for errors or discrepancies in this manual.

Maintenance and Storage

- Never use chemicals, cosmetics, any petroleum solvents such as paint thinner, or neutral detergent on the product. They may deform and damage the product.
- After each use in salt water, make sure it's watertight, then soak it sufficiently in fresh water.
- Insufficient soaking causes damage by salt to the product. Salty residue may be left on the product where it will crystallize as it evaporates. Crystallized salt is hard to dissolve and difficult to be removed once formed, and it will result in water leakage.
- After rinsing, dry the product well with a soft dry cloth, then let the product dry in the shade, out of direct sunlight.
- Do not dry the product by heating (using a hair dryer, for example). Heating can deform and damage the product.
- If you will not use the product for an extended period of time, store it away from high temperatures, high humidity, direct sunlight, or extreme cold.
- Do not store the product with naphthalene or camphor mothballs, or in locations such as a laboratory where chemicals are used. This environment can cause mold, rust, corrosion or malfunction.
- Every two years we recommend a complete overhaul of O-rings regardless of the frequency in use, for the best performance of the product.

Identification of Parts



Installation

This product can be attached to compact digital camera housings.

1 Remove the caps from front and rear of this product

2 Lubricate the lens mounting screw areas lightly with silicone grease included with the housing (Fig.1)

- Lubrication is essential to prevent the join from welding to the housing due to salt residue or corrosion.

3 Turn the lens in a clockwise direction on the lens ring of the underwater case, and screw it on until it stops (Fig.2)

- When attaching, do not screw on with more force than necessary.
- Carry out this procedure in reverse when removing.

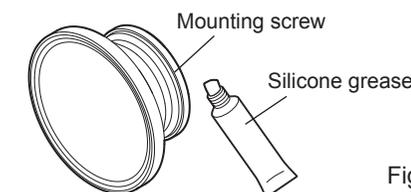


Fig.1

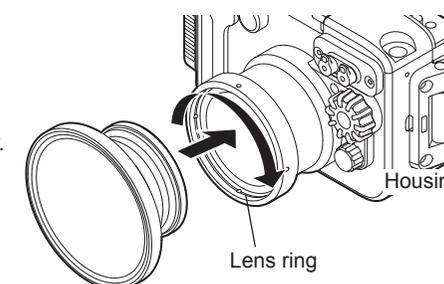


Fig.2

⚠ CAUTION

- This product is designed primarily for underwater use. Although the product can be used on land, land use might distort captured images and dimmed-out image corners.
- When using the lens, loosen or lightly shake the lens while underwater to remove any air trapped between the lens and the housing. Since bubbles adhering to the lens may affect your images, make sure to wipe any bubbles off the lens before using it.
- Vignetting (dimmed-out image corners) may occur depending upon the aperture setting and the shooting conditions.
- When the camera's zoom lens is in its widest setting, vignetting (dimmed-out image corners) might occur with this product. If this happens, zoom the camera lens in slightly toward its telephoto setting until the vignetting disappears.
- When using this lens, the shadow of the lens will be captured in the image when the camera's built-in flash is emitted. Use of an external strobe is highly recommended for underwater photography.
- This lens may become fogged due to a sudden temperature change (when going underwater while it's warm) because it's built to expand the air inside. Soak the lens in the water right before use to avoid the lens becoming fogged due to a temperature change.

Specifications

Compatible models *1	MDX-RX100III, MDX-RX100/II, MDX-X10* ,the Nikon WP-N1* / WP-N2* / WP-N3, the Olympus Underwater housing PT-EP05L and PT-EP06L		
	For starred () housings, slightly zoom to telephoto side to avoid vignetting.		
Construction	3elements in 3 groups	Construction	Corrosion-resistant aluminium alloy (anodized finish)
Lens angle	94°(Underwater)	Weight	Approx. 426g (15oz)
Depth rating	60m (200ft)	Dimensions	96(DIA)×44(D)mm / 3.78×1.73inches
Magnification ration	0.6x	Accessories	Cap (front / rear), Instruction Manual

*1 Please refer to our website (<http://www.seaandsea.jp>) for the latest information.

*Specifications and appearance are subject to change without notice.