

5 pin N-Type Bulkhead

50119

Instruction Manual

Thank you for purchasing SEA&SEA products. Please read this instruction manual carefully prior to using this product. Only with a thorough understanding of this manual's content will you be able to use the housing correctly. After reading the manual, please be sure to keep it in a place where you can easily come back to it at any time.

Note:

The appearance of color evenness or weld lines on the external body of the product is normal and will not affect its performance.

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.

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

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.
- Do not open the product in a wet or sandy environment. Protect the interior from moisture and debris in order to prevent malfunction or flooding.
- 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 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.
- Do not store the product in wet or high humidity place, to avoid mold, rust, corrosion or malfunction.
- Always dry the product using a soft cloth to prevent stain or salt residue from marring the glass surface.
- 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

- 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.
- After using the product, maintain the O-rings before storing. Examine the O-rings before and after each dive. We recommend early exchange of the O-rings, at least once a year.
- Although it depends on how often it is used and how it is stored, an O-ring generally lasts for one year. Replace the O-ring every year for the best performance of the product.

Accessories

5 pin N-Type Bulkhead (main unit)

Connector cap (attached to the main unit)



Sync connector



Ring wrench (19mm)



● Instruction manual (this manual)

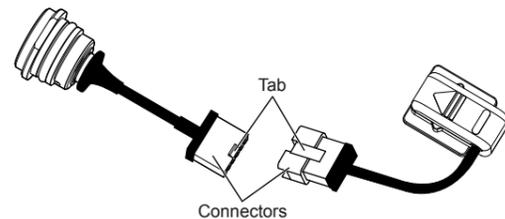
Mounting nut



Cable tie (x2)



Identification of Parts



Preparation for Installation

CAUTION

In order to prevent personal injury, or damage to or malfunction of the housing, pay particular attention not to bump your fingers on the components inside the housing when using the ring wrench.

Prepare the housing

1 Remove the original nut which holds the connector hole cover inside the housing front case in place, by rotating it in a counterclockwise direction using the provided ring wrench (Fig.1)

- Be careful not to hit and break the parts inside the housing with the wrench when removing the nut.

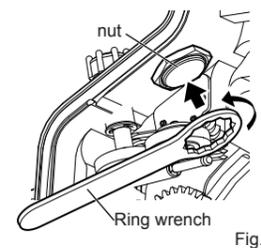


Fig.1

2 Push the connector hole cover upward and remove (Fig.2)

- Pay attention not to damage the O-ring contact surface of the connector hole.
- Make sure there are no specks of dust, scratches, or deformities on the O-ring contact surface of the connector hole after removing the cover.

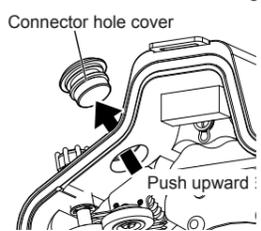


Fig.2

Maintaining the O-ring

This product is kept watertight by the O-ring. To keep the O-ring functioning properly, please observe the following before setting up.

- Make sure to remove the O-ring when maintaining.
- For detailed O-ring maintenance methods, please see the O-ring maintenance manual.
- The O-ring is a consumable item, and it generally lasts for one year. It is advisable to replace it early.



Installation

1 Align the straight-cut portions of the bulkhead unit and the mounting hole (Fig.1), pull the connector through the mounting hole, and fit the bulkhead unit into the hole (Fig.2)

Align the straight-cut portions

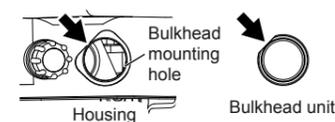


Fig.1

2 Secure the bulkhead with the provided mounting nut by tightening it in a clockwise direction using the ring wrench (Fig.3)

- Make sure to align the straight-cut portions of the bulkhead unit and the mounting hole before tightening the nut.
- Do not apply excessive force when tightening up the nut.
- Make sure the nut is fixed without backlash.

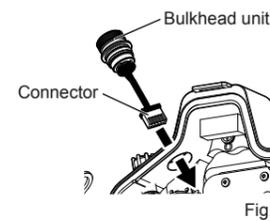


Fig.2

3 Fold back the connector cable of the bulkhead ①, and bundle the cable with the provided cable tie ② (Fig.4)

- Cut off the excess length of the cable tie.

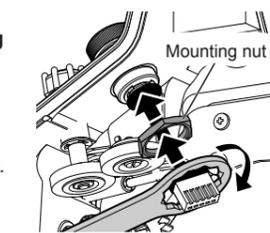


Fig.3

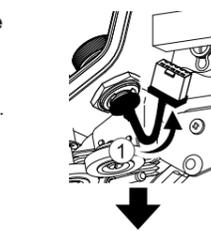
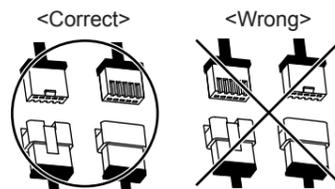


Fig.4

4 Slide the bulkhead into the sync connector until you hear it click into place (Fig.5)

CAUTION

- Make sure to insert the connectors with the correct orientation.



- Do not try to forcefully disconnect the connectors. Push the tab and pull out the connector to avoid breakage.

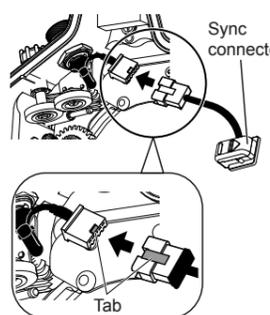
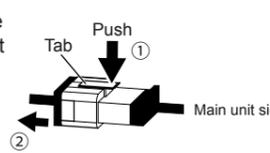
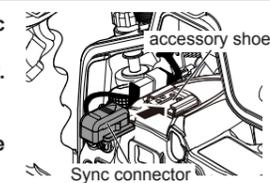


Fig.5



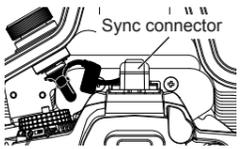
How to use

The optional strobe sync cord (5-pin Sync Cord/N : 17100) or the YS converter/N (50117) can be connected to this product. Please insert the sync connector of this product into the camera's accessory shoe when connecting an external strobe using the strobe sync cord or YS converter/N.



CAUTION

- When inserting or removing the sync connector, be sure to hold the connector part. If you push or pull on the cord part, it could damage the sync connector or cause contact failures.
- Set the sync connector's cord so that it does not cross the camera's buttons.
- When attaching the YS converter/N, always refer to the instruction manual provided.



1 Remove the bulkhead connector cap

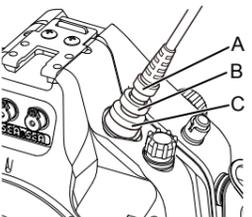
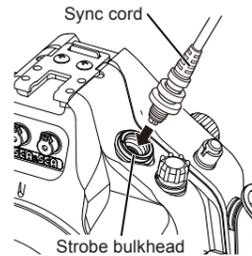
2 Make sure there are no scratches or debris on the O-ring of the sync cord being connected

3 Align the round mark (or the notch on the tip) of the sync cord with the round mark (or the convex part inside) of the strobe bulkhead, and then push it straight in

4 Align the B part of the sync cord with the screws of the strobe bulkhead, and then rotate it clockwise until it stops

5 Rotate the C part of the sync cord clockwise until it stops

- Tighten it securely.
- When removing the sync cord, loosen C first, then B, and then pull the sync cord straight out holding onto A. Do not pull on the cord part.



CAUTION

- If not connecting the sync cord, do not remove the connector cap from the strobe connector. Make sure the cap is firmly secured to avoid water leakage due to a loose cap.
- After the strobe is connected to the housing, make sure to check that the connected strobe functions correctly before underwater use.
- After use underwater, make sure to prevent water droplets from dripping into the bulkhead connector by wiping moisture away from the bulkhead connector and then turning the housing upside down and extracting the sync cord. In the event that water droplets do drip into the connector, promptly wipe away all moisture.
- Do not rotate the A part when connecting/removing the sync cord as doing so may cause malfunction due to a wiring disconnection.

Note: After installation

IMPORTANT: Follow the instructions described below before each use of the housing with this product installed.

- Be sure to check the waterproof performance of the mounting hole by immersing the empty housing in a water tank before loading a camera.
- Be sure to tighten the mounting nut before each use. A loose nut may lead to water exposure.

Specifications

Construction	Corrosion-resistant aluminum alloy (anodized finish)
Depth rating	100m (333feet)
Weight	Approx. 48g
Dimensions	Approx. $\phi 22$ (DIA) \times 165 (total length) mm
Accessories	Connector cap (Attached accessory to the product), Ring wrench (19mm), Mounting nut, Cable tie ($\times 2$), Instruction manual (this manual)

*Specifications and appearance are subject to change without notice.

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