



Camtraptions Flash Housing



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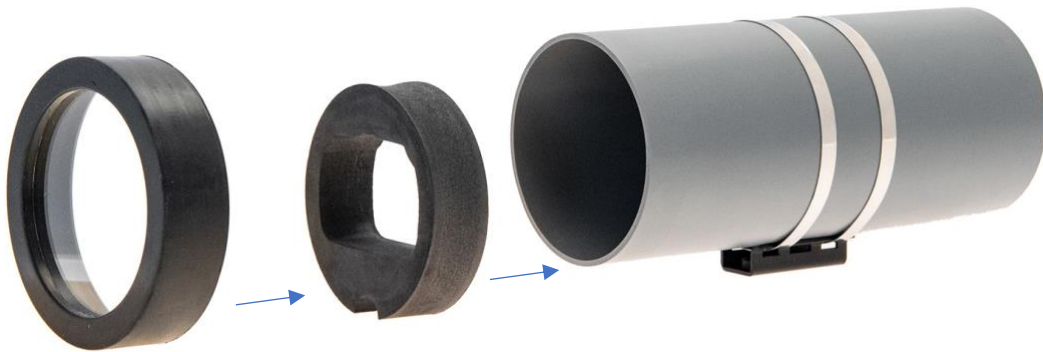
Components



Inserting a Flash

Important Notes:

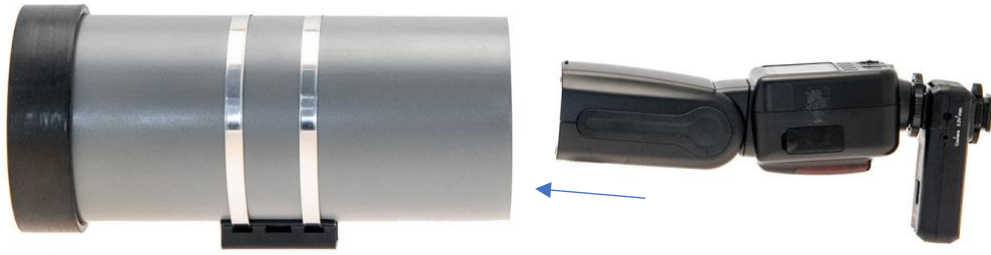
1. The Front End Seal is permanently bonded to the Window using a high-strength waterproof adhesive. Do not try to separate the Window from the Front End Seal, as this will affect the waterproofing integrity of the Flash Housing.
2. The Rear End Seal is permanently bonded to the Back Plate using a high-strength waterproof adhesive. Do not try to separate the Back Plate from the Rear End Seal, as this will affect the waterproofing integrity of the Flash Housing.



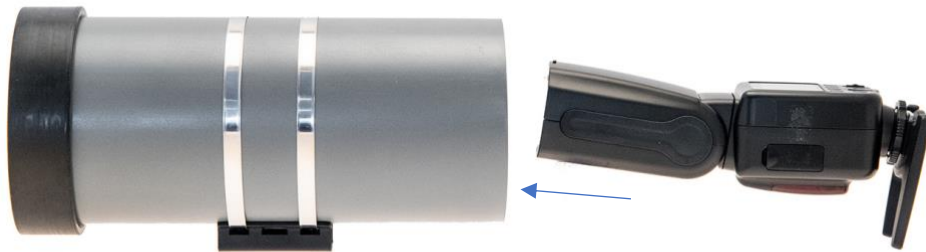
Step 1: Insert the Foam Flash Head Holder into the Flash Housing Tube, making sure that it sits flush with the front edge of the tube.

Step 2: Visually inspect the Front End Seal + Window and make sure it is free of dirt and debris, as this may affect the effectiveness of the seal.

Step 3: Push on the Front End Seal + Window onto the Flash Housing Tube. The Front End Seal is slightly narrower than the tube diameter in order to make a good seal, so it should be gently worked onto the tube carefully and evenly, allowing the rubber to stretch over the outside of the tube.



Step 4a (wireless connection): If the flash is being triggered using a wireless connection, then mount the flash onto a wireless receiver and screw down the collar to make it secure. Insert the flash into the Flash Housing Tube so that the flash head sits fully inside the Foam Flash Head Holder.



Step 4b (wired connection): If the flash is being triggered using a wired connection, then mount the flash onto its flash stand and screw down the collar to make it secure. Insert the flash into the Flash Housing Tube so that the flash head sits fully inside the Foam Flash Head Holder.



Step 5a (wireless connection): To secure the flash inside the Flash Housing Tube, lodge the Foam Wedge lengthwise on top of the receiver. Leave a portion of the Foam Wedge overhanging, as this will also help to prevent the flash being able to shift backwards once the Rear End Seal + Back Plate is applied.



Step 5b (wired connection): To secure the flash inside the Flash Housing Tube, lodge the Foam Wedge horizontally on top of the flash stand.

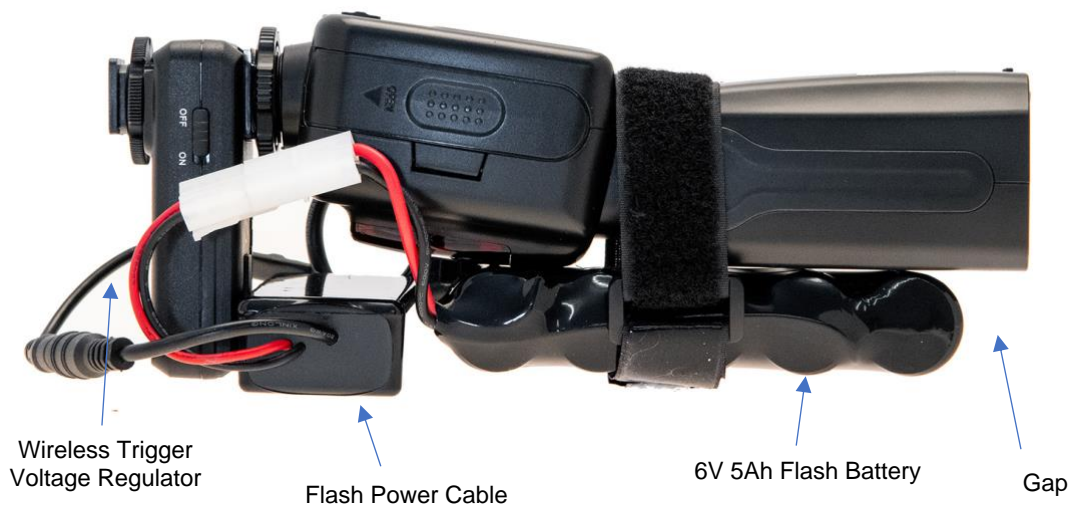
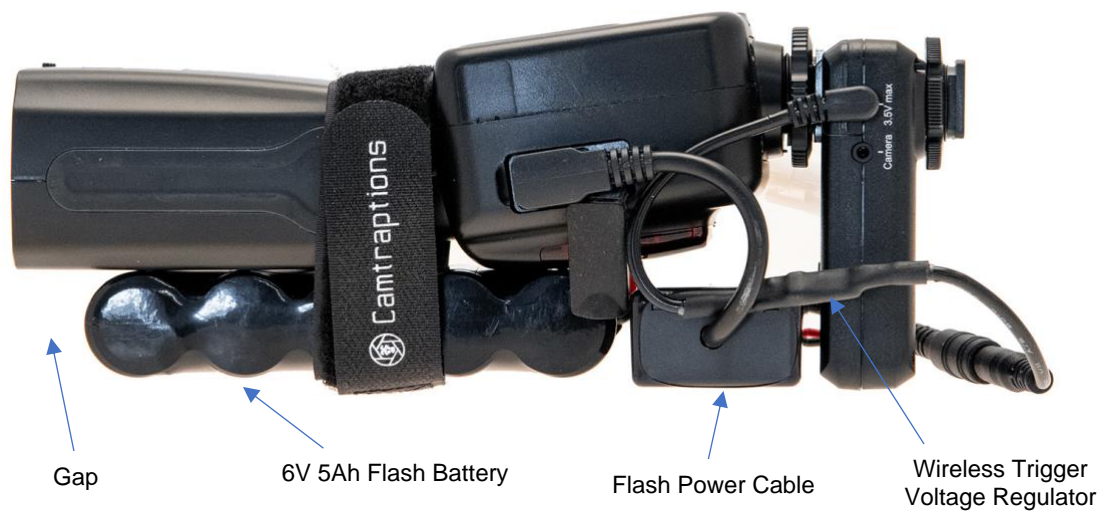
Step 6: Visually inspect the Rear End Seal + Back Plate and make sure it is free of dirt and debris, as this may affect the effectiveness of the seal.



Step 7: Push on the Rear End Seal + Back Plate onto the Flash Housing Tube. The Front End Seal is slightly narrower than the tube diameter in order to make a good seal, so it should be gently worked onto the tube carefully and evenly, allowing the rubber to stretch over the outside of the tube. As you push the Rear End Seal + Back Plate onto the tube, there will be a pressure build-up which may make it hard to push it on fully. You can release the pressure by gently lifting the edge of the Rear End Seal a few times as you are pushing it on.

Fitting the Wilderness Bundle items:

The Wilderness Bundle items (Flash, 6V 5Ah Flash Battery, Flash Power Cable, Wireless Trigger Voltage Regulator) can be fitted into the Flash Housing as shown in the pictures below. A small gap should be left at the front to allow the flash head to sit inside the Foam Flash Head Holder. You may find that the Foam Wedge is not necessary once these items are inserted into the Flash Housing Tube.



Cable Connections

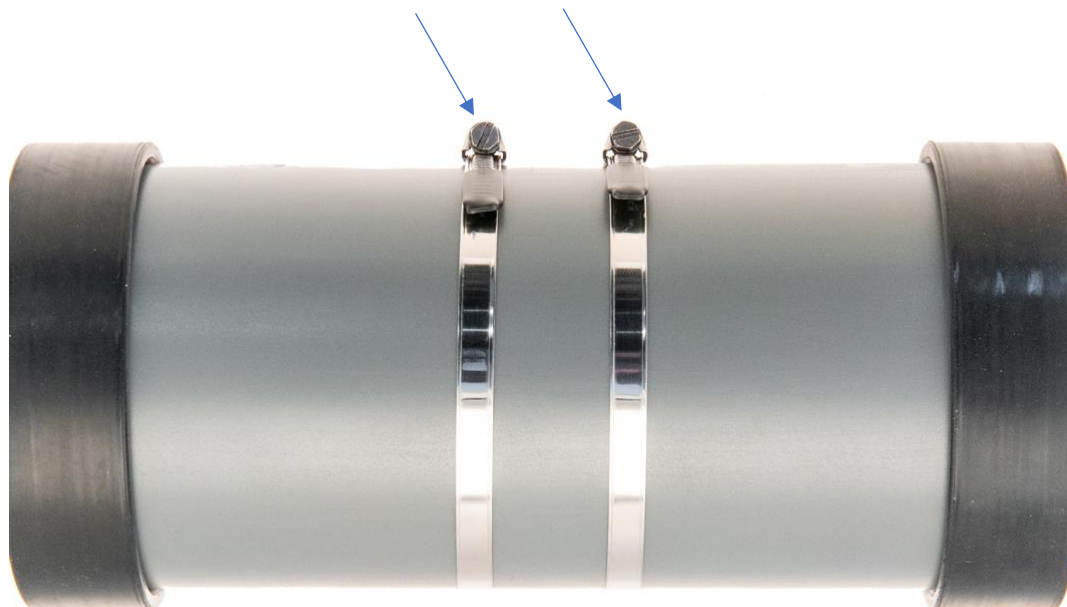
In order to make a cable connection into the Flash Housing, you must first remove the Waterproof Blanking Plug from the Back Panel. Remove the Rear End Seal + Back Panel from the Flash Housing Tube. Unscrew the nut from the Waterproof Blanking Plug to release it.

Waterproof connections into the Flash Housing (for either power or signals) can be made either using a [Female Waterproof Entry Cable](#) or a [Waterproof Cable Entry Gland](#).

If cables are being run into the Flash Housing, it is advisable to leave enough spare cable inside the Flash Housing, so that the Rear End Seal + Back Panel can be removed without tugging on any connections.

Mounting

The Flash Housing's Mounting Base can be released from the Flash Housing Tube by loosening the two clamps using a flat head screwdriver. The Flash Housing can be rotated or shifted forward and back relative to the Mounting Base while these clamps are loosened. The clamps can be re-tightened with a flat head screwdriver. Care should be taken to tighten the clamps enough to create a sufficiently strong grip, but not to over-tighten them and damage the tube.



The Flash Housing's Mounting Base features two ¼"-20 threads. This allows it to be secured onto most standard photographic mounts such as:

- Tripods
- Light stands
- Ball heads
- Quick release plates

In addition, the Mounting Base can be secured onto most Camtraptions [Jungle Mounts](#) products using two 14"-20 screws. Using two screws to mount the Flash Housing will prevent it from being able to twist. [Tree Brackets](#) and [Branch Brackets](#) are useful mounting platforms.

A [Dual Screw Quick Release Plate](#) (Arca-Swiss type) can also be used to conveniently and securely mount the Flash Housing on an Arca-Swiss type clamp:



Accessories

In humid or damp environments it is recommended that a Camtraptions [Reusable Silica Moisture-absorbing pack](#) is kept inside the Flash Housing to prevent any pre-existing moisture from condensing inside.



An extra set of [Reinforcing Clamps](#) can be used on the End Seals of the Flash Housing to further increasing the waterproofing of the Flash Housing from IP66 to IP68. The Reinforcing Clamps should be applied to the middle section of the Front End Seal and the Rear End Seal so that the pressure is applied to the middle and not too close to either edge.



The Flash Housing is available with an Infrared Window instead of a clear window. The Infrared Window is also permanently bonded to a Front End Seal using a high-strength waterproof adhesive.

When one of these [Infrared Windows](#) is fitted onto the front of the Flash Housing, all of the visible light will be filtered out, leaving only the invisible infrared light to pass through and illuminate the scene. The transmission range of the IR filter material is 800nm – 1100nm.



Specifications

- Internal Diameter: 10.4cm
- Internal Length: 25cm
- External Diameter: 11cm (tube), 12cm (end seals)
- External Length: 26cm
- Weight: 695g

Support

For technical support, please email support@camtraptions.com.