



Underwater Housing for Sony Cyber-shot RX100 Mark VI Digital Camera

Product Number 6116.18

Product Registration

Please register your product within 15 days of purchase. Our product registration database is the quickest way for us to contact you in the event of a product update.

To register, send a photo of the above registration label to us via ikelite@ikelite.com along with your name, address, and phone number.

About this Product

Thank you for your purchase of Ikelite equipment. Please read this instruction manual completely before attempting to operate or dive with this product.

Included in the Box

- Housing
- Port cover # 0200.08
- Silicone lubricant # 0184.1
- .050" hex key # 0945.11
- 1/16" hex key # 0945.16
- 1/8" hex key # 0945.18

Specifications

- 200 ft (60m) depth rating
- Controls for all camera functions except Viewfinder pop-up switch and Flash pop-up switch; Camera flash must be opened prior to installing camera in the housing when using external strobes
- Near neutral buoyancy in fresh water
- 1/4-20 thread tray mounting with 3" (76mm) spacing
- 2.8 lb (1270 g)
- 6.1 x 5.1 x 6.8" (155 x 130 x 173 mm)
- 3.9" diameter glass lens port

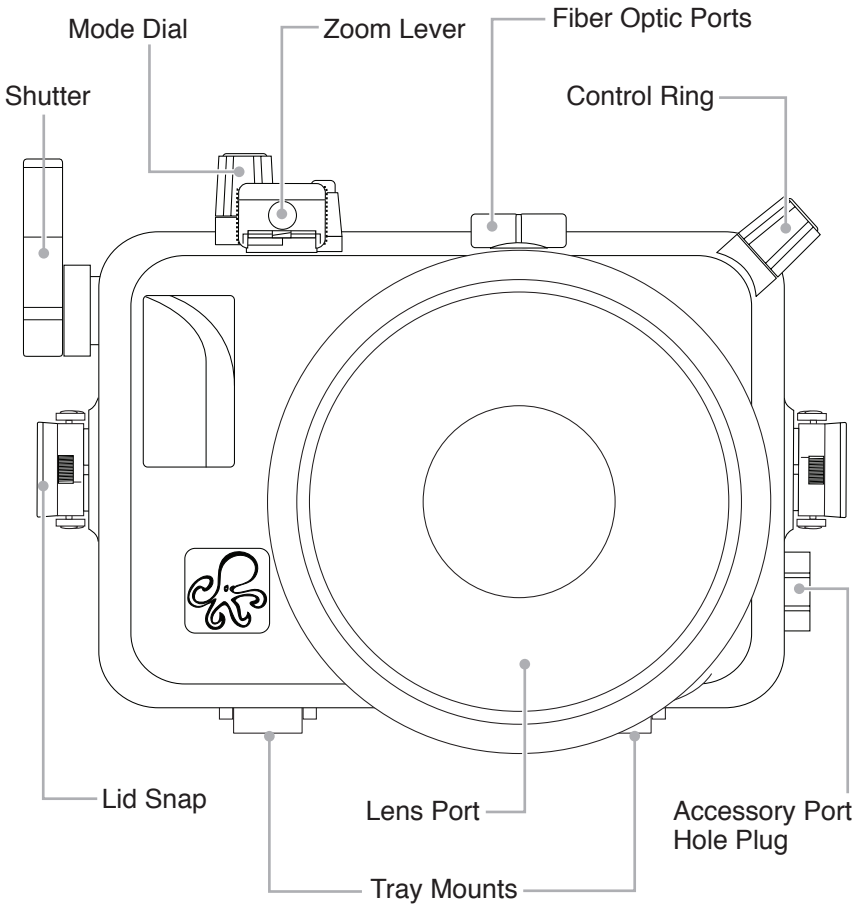
Important Notices

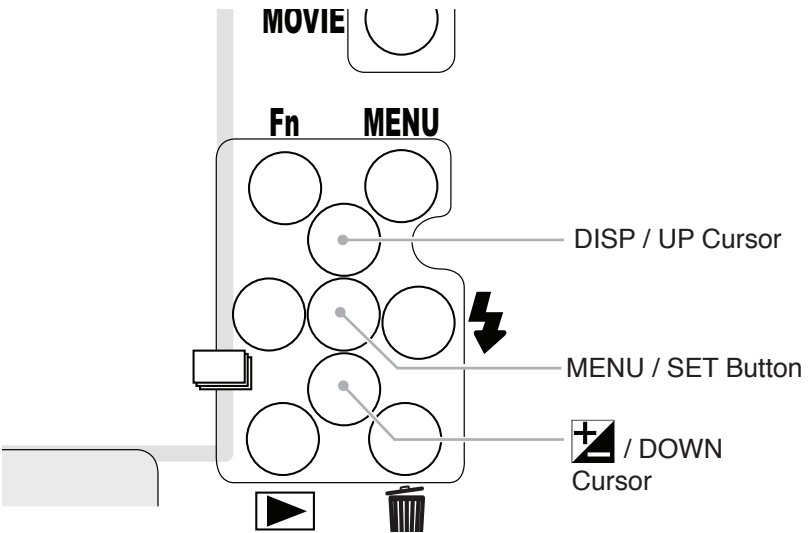
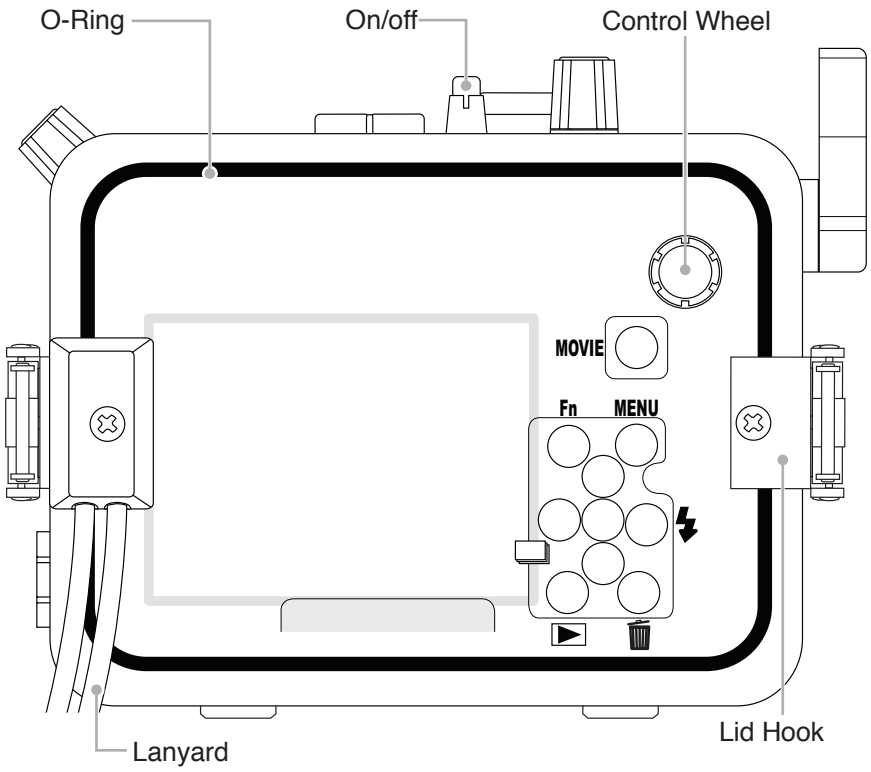
- » **To prevent salt build-up and sticking controls, submerge the empty housing in clean, freshwater. Operate the controls several times each while underwater to flush out any residue.**
- » **Never leave a housing in a rinse tank, even if it is the only system in the tank. Most catastrophic floods happen when the user walks away from a housing while it is in the rinse tank.**
- » **Do not use alcohol, cleaning agents, spray lubricants, Rain-X, or other solvents on the housing or lens port. Use of an incompatible chemical compound can damage the plastic and o-rings, and may result in leaking.**
- » **Do not pull the shutter trigger without a camera installed. You may accidentally detach or damage the control spring.**
- » **Always assemble in a cool, dry location. Opening the housing in a humid environment may cause fogging.**
- » **This housing is designed specifically for use with the Sony Cyber-shot RX100 Mark VI camera. Other camera models are not compatible due to differences in lens and control placement.**

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Getting to Know Your Housing





Accessory Port

Your housing features one 1/2-20 threaded Accessory Port which may be used for attachment of factory optional or aftermarket housing accessories. DO NOT remove the Accessory Hole Plug unless you are installing a compatible accessory. Visit ikelite.com for an updated list of compatible accessories.

Lanyard Mount

The included lanyard is a break-away safety lanyard which is designed to break of stress is placed on it. This is important so that the user can break free if their equipment is caught on something underwater.

The lanyard is not designed to support the weight of the housing and should not be used as a carrying strap. Carrying the housing by the lanyard may result in damage to the lanyard and/or housing.

A different lanyard with a thin cord may be attached to the housing using the lanyard mount on back of the housing.

Setting Up Your Camera

Pre-Installation Checklist & Initial Camera Settings

1. Insert a fully charged camera battery.
2. Insert a properly formatted memory card.
3. Set AF Illuminator to “Off.”
4. If using an external flash, set Flash Mode to “Fill-flash.”
5. Set Red Eye Reduction to “Off.”
6. Set FINDER/MONITOR to “Monitor.”
7. Set Touch Operation to “Off.”

Exposure Settings

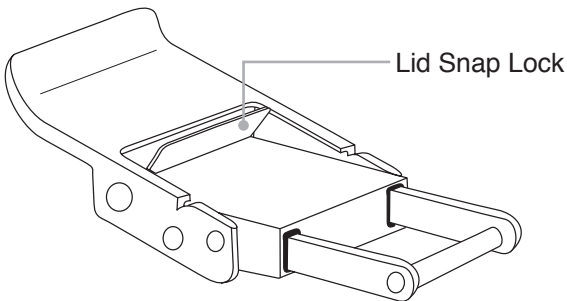
Refer to the **Cheat Sheets** in the Photo School section of our website for recommendations on exposure settings for a wide variety of shooting situations:

<https://www.ikelite.com/blogs/cheat-sheets>

Setting Up Your Housing

Opening the Housing

1. Push the lid snap lock forward and start to lift the curved end away from the housing.
2. Lid snaps are designed to provide enough force to compress the o-ring for a proper seal. Keep firm pressure against the lid snap while lifting it away.

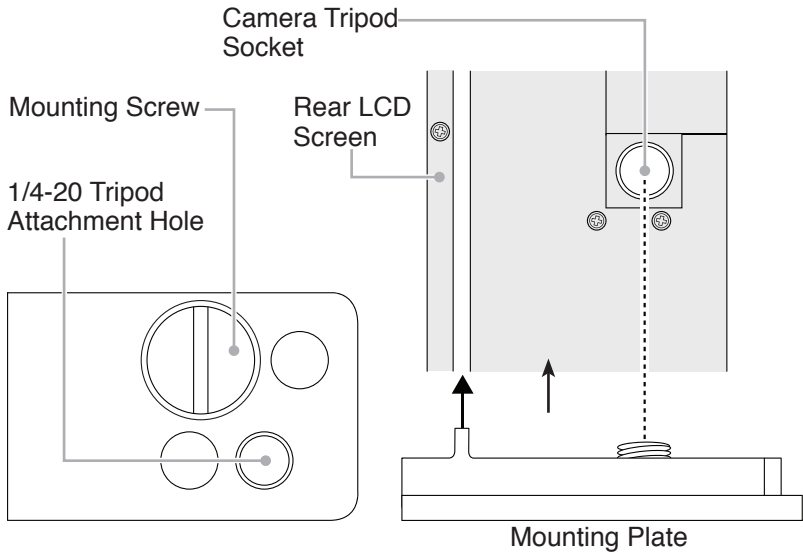


3. Repeat with remaining lid snaps.
4. Remove the housing back.

Inserting the Camera

1. Remove any lanyard or neck strap which may be attached to the camera.
2. Remove the camera mounting plate from the inside bottom of the housing.

3. Pull the bottom of the rear LCD screen away from the camera body slightly to allow for proper mounting plate alignment .
4. Line up the Mounting Screw with the Camera Tripod Socket. Use a flat head screwdriver to tighten the mounting plate to the camera.



5. Pull out on the housing control knobs to move them out of the way.
6. If using external strobes, raise the camera flash. The flash cannot be raised after the camera has been installed in the housing.
7. Insert the mounting plate into the housing plate mount slot on the inside bottom of the housing. Gently push the camera all of the way forward until the back of the mounting plate is flush with the back of the housing plate mount.
8. If using external strobes, check that the camera's flash is extended and facing the housing's fiber optic ports.

Closing the Housing

1. Make sure the o-ring is clean and in its proper location on the back of the housing. The main o-ring does not require lubricant to make a seal.
2. Place the back onto the housing front.
3. Make sure no controls or wires are interfering with the o-ring or the back of the housing.
4. Place each lid snap into the corresponding hook on the housing back.
5. Push the lid snaps towards the housing until they are flat against the housing and the lock has engaged. Close opposing lid snaps at the same time.
6. Check the o-ring seal. The o-ring should form a uniform, solid line around the back of the housing.

Final Check

1. Re-check the o-ring seal. The seal should form an even, solid line around the back of the housing.
2. Turn on the camera and check all control functions.
3. Make sure that the camera can obtain focus and take a photo.
4. Check battery life and open storage space on your memory card.
5. When using strobes, check that the flash is raised.
6. Submerge the housing in a fresh water tank dedicated to underwater photography equipment. Visually confirm that there are no signs of water intrusion or a steady stream of bubbles coming from one of the housing seals.

Entering the Water

1. If possible, we recommend entering the water without your housing to ensure that you are comfortable and your life-saving equipment is in working order. Once you are stable, have someone pass your camera housing to you.
2. Submerge the housing at the surface of the water and visually confirm that there are no signs of water intrusion or a steady stream of bubbles coming from one of the housing seals. If water does appear to be entering the housing, point the lens port downward and return the housing to the surface as quickly as possible. Always observe all necessary safety precautions. NEVER ascend faster than accepted safety limits.
3. Use your hand to gently flush away any small bubbles that may be on the face of the lens port. Bubbles will produce soft focus spots in your photo or video.

Built-in Flash and External Strobe Use

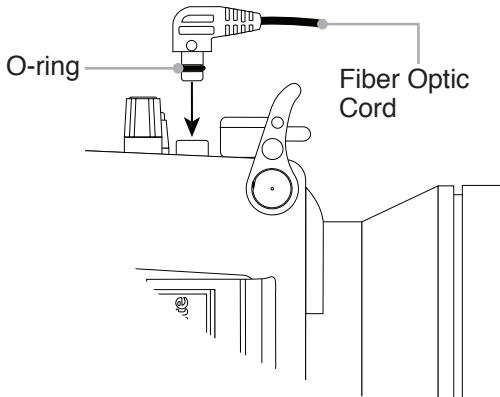
About the Built-In Flash

For the best color and clarity, we recommend adding a filter, strobe, or constant-on light. Due to the position of the camera's flash in relation to its lens, the built-in flash is not suitable to illuminate photos underwater. The built-in flash may be used to trigger external strobe(s) via fiber optic cord. Two ports are provided for the connection of up to two fiber optic cords.

We recommend attaching an external strobe for the optimal color and clarity in a wide variety of shooting situations, including daylight photography.

Attaching a Fiber Optic Cord

1. Check the end of the fiber optic cord to ensure that it is clean and smooth.
2. Ensure that the fiber optic cord o-ring is in place. This o-ring does not provide waterproofing, however it does keep the fiber optic cord in place.
3. Attach one end of the fiber optic cord into one of the fiber optic ports on the front of the housing. The connector is a press-fit into the fiber optic port.



4. Attach the other end of the fiber optic cord to a compatible strobe.
5. Set the strobe to the appropriate setting based on manufacturer recommendations.
6. Turn the camera on and then the strobe(s).
7. Take a test photo to ensure proper functioning properly.

Spare Parts

- Rear o-ring # 0109
- Push button o-ring kit # 6201.03
- Vinyl port cover # 0200.08

- Silicone lubricant # 0184.1

Maintenance

Post-Dive

1. Rinse the housing in fresh water. Rotate the housing controls and press each button while submerged in fresh water to flush out any salt or debris to ensure smooth operation on future dives.
2. NEVER leave your housing in the fresh water rinse tank. Collisions with other peoples' gear can cause scratches or damage to your equipment.
3. Store the housing in a shaded place where it is protected from impact or overheating. If no shade is available, we recommend covering the housing with a towel or cloth.
4. Check the memory card capacity and battery life of your camera and strobe(s). Recharge as necessary.
5. Always re-check o-ring seal after opening the housing.

Travel and Storage

1. Remove the camera from the housing for travel or storage.
2. Check the main housing o-ring.
3. Close the empty housing and submerge in lukewarm fresh water. While submerged, rotate each control and depress each button to flush out any salt or debris.
4. Remove the housing from water and rinse with running water.
5. Do not rinse the inside of the housing or submerge the open housing in water. If the inside of the housing needs to be cleaned, wipe with a clean, slightly damp cloth.
6. Dry the housing with a clean, lint-free cloth.

7. Store in a cool, dry place.
8. Like regulators and other pressure-sensitive equipment, we recommend careful care and cleaning along with annual replacement of the factory seals.

Troubleshooting

Water enters the housing

- Clean and re-install the main o-ring.
- Take the housing underwater without a camera installed to ensure that the leaking has been corrected.

Photos are over-exposed (too light)

- Adjust aperture (smaller), shutter speed (faster), or ISO (lower) setting.
- Move lights(s) farther away from your subject.
- Adjust exposure compensation in the camera.
- Adjust lighting power.

Photos are under-exposed (too dark)

- Adjust aperture (larger), shutter speed (slower), or ISO (higher) setting.
- Move light(s) closer to your subject.
- Adjust exposure compensation in the camera.
- Adjust lighting power.

Strobe will not fire

- Turn on strobe.
- Make sure that the camera flash is set to fire on every photo.

- Check that the camera flash is opened and pointed toward the fiber optic ports.
- Check that the fiber optic cord is properly attached.

Buttons are stuck

- Soak the housing in lukewarm fresh water. Depress each button several times while the housing is submerged.
- Apply lubricant to the button. Press the button several times to distribute the lubricant.

Button(s) or control(s) do not line up

- Ensure that nothing is preventing the camera from going into the housing.
- Tighten the camera mount securely using a screwdriver.
- Push the camera mounting plate forward until it is flush with the housing plate mount.

Camera is not functioning normally underwater

- Ensure that the camera mounting plate is pushed all of the way into the housing plate mount.
- Check each housing control while underwater to ensure that they are disengaged. An inadvertently engaged control may limit functioning of the camera.

Backscatter or “snow” in images

- Position strobes or lights farther away from your lens and at a slight angle.
- Avoid using strobes in extremely low-visibility conditions.

Limited Warranty

This Ikelite product is warranted against any manufacturing defects for a period of two (2) years from the original date of purchase. Defective products should be returned to Ikelite postage paid. Ikelite will, at its sole discretion, repair or replace such products, and will return to customer postage paid. All other claims of any nature are not covered. Except as mentioned above, no other warranty expressed or implied applies to this Ikelite product.

Service and Repairs

Ikelite is most interested in performing any service to ensure that all products perform as intended. Evidence of purchase date must be provided to obtain warranty service.

No prior authorization is required. You may return directly to us or through your dealer. Please include a brief description of the problem, any relevant email correspondence, and/or description of the service request. Always include name, shipping address, email address, and phone number inside of the package.

Send postage paid to:

Ikelite Underwater Systems
Attn: Service Department
50 W 33rd St
Indianapolis, IN 46208 USA

Contact Us

If you have any questions about your product or need advice on getting the images you want, please get in touch with us and we'll do everything we can to help you capture your unique perspective.

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