



Operating Checklists



Make sure the power switch is set to “Off” before plugging in or unplugging any connections!



Make sure all connections are securely fastened to avoid loss of control or loss of your VideoRay!

Pre-Dive Checklist

- Visually inspect the vehicle, especially the thruster shaft seals for signs of leaking, low oil or contamination, and the desiccant pack in the rear of the main housing for signs of moisture.
- Visually inspect the tether for nicks or other signs of damage.
- Connect all cables and ensure that the tether connectors are screwed together to avoid separation and loss of the VideoRay.
- Power up the VideoRay by engaging the main **Power** switch to **On**.
CAUTION *Do not operate the thrusters for more than 20 seconds when the VideoRay is out of the water. Prolonged operation in a dry environment will result in damage to motor shaft seals.*
- Ensure that the propellers are free of tangles and check the propeller guards for damage and / or misalignment. Displace the joystick in all directions to test the port and starboard thrusters.
- Using the **Depth Control** knob, rotate it to test the vertical thruster. Return the knob to the neutral (centered) position.
CAUTION *Do not operate the lights for more than 60 seconds when the VideoRay is out of the water. Doing so may cause overheating and damage the unit.*
- Verify that the lights are working by turning the **Lights** knob toward **Bright**, and then returning the knob to the **Dim** position.
- Check the camera **Tilt** and **Focus** functions and video display operation. If you are using a recording device, check that it is operational. If equipped, check the rear facing camera and lights.
- Check any other additional accessories according to the specific procedures for each accessory.
- Ballast the vehicle according to the conditions and make sure the ballast is secure.
- Check the dive area for potential hazards prior to launching the VideoRay and alert others in the area when you are ready to launch.

Post-Dive Checklist

- Power down the system by engaging the main **Power** switch to **Off**.
- Make sure the VideoRay is securely on-board, unplugging any connections.
- Visually inspect the VideoRay to ensure that no damage has occurred.
- Visually check through the ports to ensure that no water has entered the pressure housings.
- Check that the propeller shafts have not been fouled with material such as fishing line, string, seaweed, or other debris.
- Thoroughly rinse the vehicle with fresh water prior to being stored away. Be sure to rinse and drain the pressure sensor cavity under the float block (if equipped).
- Inspect the tether for cuts, nicks and / or kinks in the outer shell. Store the tether properly for the next use.
- Store all components securely.

For convenience and operational efficiency, use a wipe off marker to complete each checklist.