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**HyDrone RCV / ASV Throttle Calibration**

**RCV**

1. Start with the boat off and the remote on.
2. Push the left joystick to the full forward position and turn the left pontoon on.
3. After 2 beeps from the ESC, quickly move the left joystick back to center before the 3rd beep.
4. The ESC will do confirmation tones indicating that it has a new center position.
5. Turn off the left pontoon and repeat the process with the right side (using the right joystick) to equalize throttle input.

*If the calibration is not in the center the process can be repeated as many times as needed.*

Do NOT leave either joystick in the full forward position after the 2 beeps, it will put the ESC into programming mode allowing you to change the factory settings.

**ASV**

1. Start with the boat and AutoNav off and the remote on.
2. Turn the AutoNav on and then ARM it.
3. Push the right joystick to the full forward position and turn the left pontoon on.
4. After 2 beeps from the ESC, quickly move the left joystick back to center before the 3rd beep.
5. The ESC will emit confirmation tones indicating that it has a new center position.
6. Turn off the left pontoon and repeat the process with the right side to equalize throttle input.

*If the calibration is not in the center the process can be repeated as many times as needed.*

Do NOT leave either joystick in the full forward position after the 2 beeps, it will put the ESC into programming mode allowing you to change the factory settings.

**Battery maintenance (G2)**

Check the voltage of the 4S Lipo batteries using a tester or multimeter.

The batteries should NEVER be discharged below 3.2v per cell (12.8v total) as it may cause the battery to malfunction.

Note: the ESCs have a built in Low Voltage Cutoff set to 3.2v, meaning they will turn off at that voltage.

4.2v per cell is a full charge.

Look to see if one side/both sides appear to be going at about 30% throttle forwards and 100% throttle in reverse. If this is the case, your remote has a REVERSE setting changed.

If one side/both sides have lost reverse but have 100% throttle forwards, then the ESC needs to be reprogrammed.

*For the above issues it is recommended to call your dealer and ask for assistance.*