

# OPTIMUS 360 JOYSTICK QUICK REFERENCE GUIDE

Your Optimus 360 electronic control system has been tuned to provide the ultimate in vessel control.

Please read your user's manual for detailed operation/safety information, and use the following as a guide to joystick operation.

## BOOST Button

Used to increase power level. Can be engaged or disengaged anytime during use.

## TAKE COMMAND Button

Used to select the joystick for operation. Control head handles must be in Neutral to transfer control.

A and C buttons are reserved for future use.



**PLEASE KEEP ON BOAT**

**OPTIMUS360**  
BY SEASTAR

## JOYSTICK FUNDAMENTALS:

1. The joystick has **three primary operational modes** (see reverse side for illustrations):
  - a. **Forward/Reverse** – engaged by pushing the joystick directly fore/aft.
  - b. **Sideways** – engaged by pushing the joystick directly port/starboard.
  - c. **Rotation** – engaged by twisting the joystick while it is at center position.
2. When released, the joystick always returns to the center position, which provides neutral-idle for engines.
3. The joystick is proportional and guided in each axis - the more the joystick is moved, the more throttle is applied.
4. In the event of an engine stall, **ONLY** the Forward/Reverse mode is available. Restart stalled engine or switch to conventional controls.

## JOYSTICK TIPS:

1. Plan out your joystick maneuvers before you approach your target:
  - a. **Keep it simple** - Minimize diagonal and other complex maneuvers. This allows for better boat correction and control.
  - b. **Know your boat's limitations** - Be aware of wind and current, and understand the boat's movement delay due to its momentum. Some conditions may prove too strong for your engine thrust.
2. Make it clear to the system what you want to do. Do not make slight movements off of the neutral position. For example: If you want the boat to move to port, move the joystick well along the port axis.
3. Moving the handle port/stbd will move the boat sideways, but will not steer the boat (change heading). Twisting (rotating) the handle steers and rotates the boat (see reverse side for illustrations).
4. It is recommended to return to the center position when switching between primary operational modes.
5. Practice joystick maneuvers in open water before attempting close quarters docking. This will help you understand the primary operational modes and how they control your boat.
6. Both engines should be trimmed fully down whenever in Joystick Mode.

**Read the Optimus 360 User's Manual before use.**

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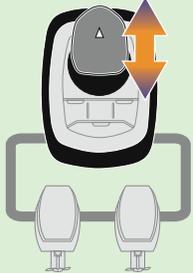
## JOYSTICK MODES OF OPERATION

### PRIMARY MOTION

### CORRECTION

A.

Forward/Reverse

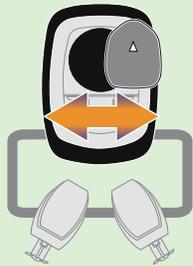


Rotate to Steer

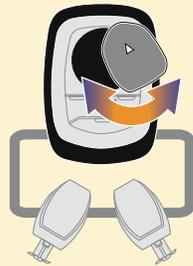


B.

Sideways

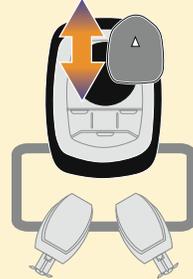


Rotate to bias heading



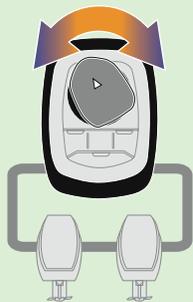
OR

Fwd/Rev to diagonal

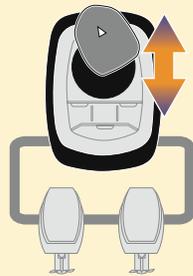


C.

Rotation



Fwd/Rev to bias heading



## DANGER & WARNING FAULTS

Danger and Warning faults with your Optimus system will be shown on your CANtrak display. The display will indicate the fault, describe how the system has reacted to the fault, and suggest a course of action. Refer to your EPS Quick Reference Guide and Optimus user manuals for detailed fault handling information.

If the fault is with a related system, such as an autopilot or an engine OEM electronic shift and throttle system, you will need to refer to the documentation provided with that system.



### There are two types of faults – DANGER & WARNING

#### ⚠ DANGER FAULT

A critical fault which will result in limited or no system performance. Call for assistance, use an alternate controlling device, or use "limp home" in an emergency.

#### ⚠ WARNING FAULT

A non-critical fault which may cause the steering and/or boat speed to be reduced. The system will continue to operate.

For more detailed alarm information, see the User's Manual.

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- C. **Rotation** – engaged by twisting the joystick while it is at center position.



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