

# Dynamic Positioning System



## Engine and Rudder control

Throttle and shift control for single and twin screw vessels. Suitable for mechanical and electronic engines and gear boxes. Up to eight stations possible.

## Super soft Shifting

Clutch engagement is always gentle, with no rocking. Clutch pressure is increased steadily, not abruptly.



## Docking Mode

When maneuvering at low speed, the propulsion and steering system changes automatically or manually into Docking Mode. This will ready Thrusters and Engines for steering, and Trolling Valves for propulsion, when needed.



## Rudder, Throttle and Thruster control

Turning is gyro stabilized. Putting the wheel in its center detent will draw a straight line on your plotter. By deflecting the wheel, a turn rate is selected. Thruster-Joysticks at each station are for direct individual Thruster control.

## Steering by Joystick

Simply move or twist the Hover-Joystick into the direction you want your boat to move. Change between gyro-stabilized and un-stabilized Joystick Mode by pressing a button.

## Speed Mode

Desired Ground Speed can be selected with the Joystick in Speed Mode.

## Hover-Mode - Dynamic Positioning (DP)

By pressing a button, the vessel stops automatically and holds its present position. Accuracy is within 0.2 meters, conditions permitting. Boat direction can still be controlled, for example automatically against the wind, or on a selected heading.



Hover-Joystick

## Profile Mode

Profile Mode can be activated in NAV or LAND Mode. The vessel will then slow down and come to a halt in GPS-Anchor Mode at the upcoming way point.



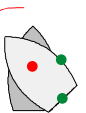
## SLIDE Mode

While the vessel is precisely following a route, the desired speed and Heading can be selected independently. For example 0.6 kn along the route and a Heading of 270, while the route track is 120.



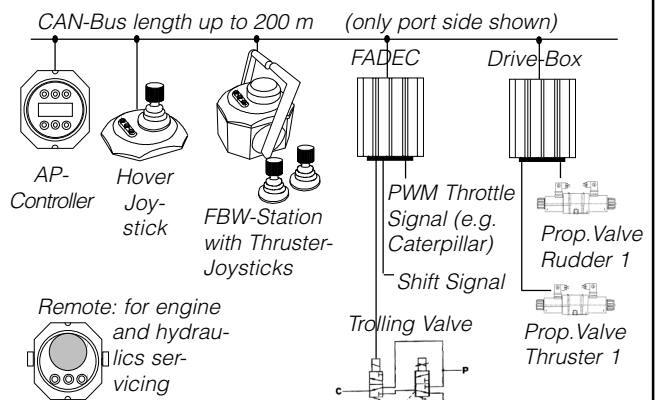
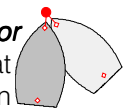
## Setting the Anchor Point on the boat

When turning in Hover Mode, the Anchor Point remains at the same map position. Select a rear Anchor



Point as pivot point, when the crew is working at the stern, for example.

For a work break use the economic **Anchor Mode**, the vessel is tied to a virtual buoy at the bow or stern. Thrusters are not used in this mode.



Two CAN-Bus branches - port und stbd - make for a redundant system.

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