



# ZF Joystick Maneuvering System

Marine Propulsion Systems



# Vessel handling has never been easier

ZF's Joystick Maneuvering System JMS brings pod-like, easy and intuitive maneuverability to conventional shaft-driven twin-engine motor yachts, cruisers, and sport fishing boats.

Controlling engines, transmissions and thrusters in a traditional shaft-line vessel, the JMS provides an unbeatable ease of control. Maneuvers such as moving sideways to the dock, 360° rotation on the spot and other complicated maneuvers, difficult with standard control levers, become easy operations. The electronic JMS system also controls the throttle of the engines and shifts the transmissions with automatically controlled trolling valves to provide the precise speed needed for smooth maneuvering and easy docking. This means driving a pleasure craft becomes even more pleasurable, simple and safe!

The standard "Hold Heading" function, integrated with an electronic compass, keeps the vessel going in a certain direction, fine tuning the propulsion system to compensate for current, wind or other external forces on the vessel.



## Advantages of JMS

- Joystick vessel control at low speed
- Easy maneuvering in tight spaces through joystick interface
- Keeps vessel automatically in position against wind and current
- Works with traditional propeller shaft-line systems

## Connectivity

It is possible to install up to six joystick stations enabling maneuvering of the boat from literally any location.

Three different logics for transferring control from the levers to the joystick can be selected.

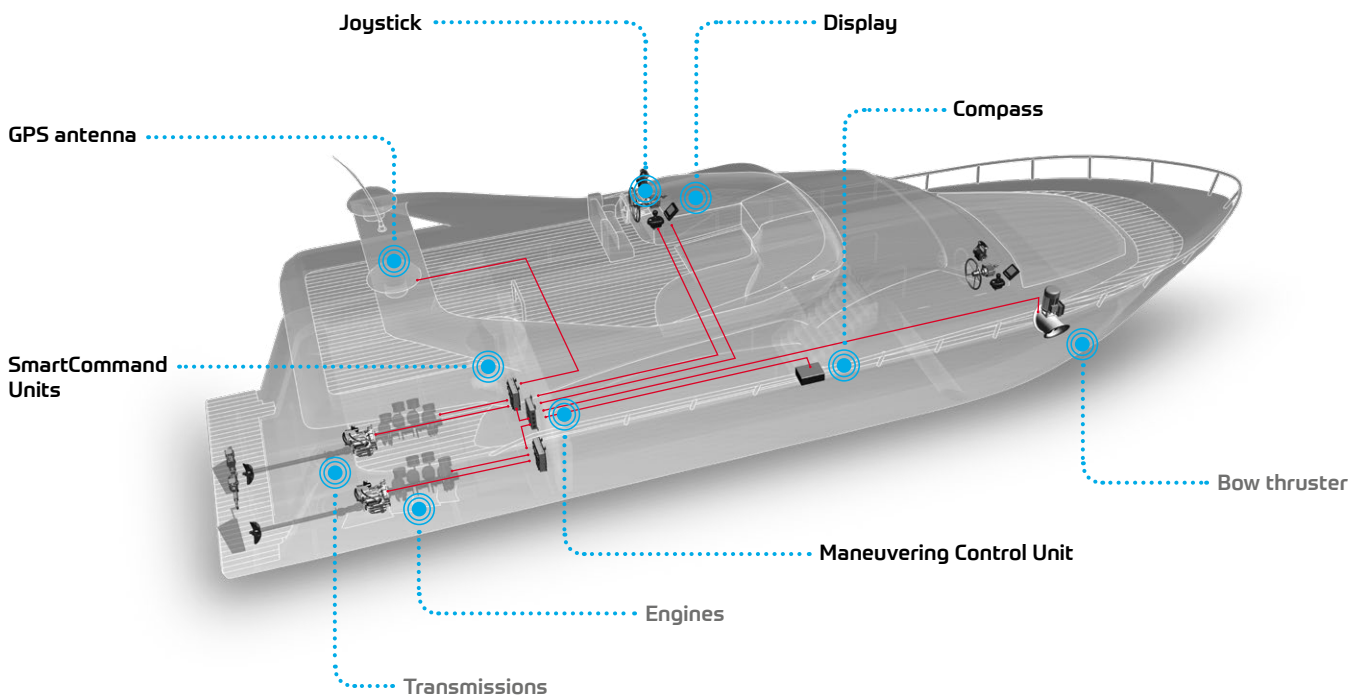
JMS, with all its options, can be retrofitted in existing vessels with electronic engine interface, ZF transmissions and SmartCommand control systems.

JMS can interface with ZF AC thruster and many market available DC or hydraulic bow thrusters.

## Technical features

- 12/24 V DC system
- CAN based joystick station on three proportional axes, with one push button to take control and select functions
- CAN connection to SmartCommand processor
- Integrated compass
- Interface with ZF SteerCommand (optional)

## System overview



## Even more comfort with additional functions

The optional control functions ZF iAnchor and ZF iDrift are unique JMS features that make station keeping and direction control even more comfortable.

Thanks to an integrated GPS receiver, iAnchor will compensate for wind and current holding the vessel's position and orientation at the press of a button.

Using iAnchor as the base platform, the iDrift technology offers the ability to control drift speed and direction when the vessel is in windy conditions and/or active current – all while maintaining the bow's heading. ZF iDrift is the perfect solution to control the vessel's drift speed and heading when kite fishing, bottom fishing, or wreck fishing.



**ZF Padova s.r.l.**

Via Penghe, 48  
35030 Caselle di Selvazzano (PD)  
Italy  
Phone +39 049 8299 311  
info.zfmarine@zf.com

**ZF Friedrichshafen AG**

Marine Propulsion Systems  
Ehlersstr. 50  
88046 Friedrichshafen  
Germany  
Phone +49 7541 77-2207  
info.zfmarine@zf.com

**ZF Marine Krimpen B.V.**

Zaag 27, P.O. Box 2020  
2930 AA Krimpen aan de Lek  
The Netherlands  
Phone +31 180 331000  
info.zfmarine@zf.com

[www.zf.com/marine](http://www.zf.com/marine)



[twitter.com/zf\\_group](https://twitter.com/zf_group)  
[facebook.com/zffriedrichshafen](https://facebook.com/zffriedrichshafen)  
[youtube.com/zffriedrichshafenag](https://youtube.com/zffriedrichshafenag)