

**YACHT
CONTROLLER**
YACHTING INNOVATIONS

V.IPS

WIRELESS CONTROL SYSTEM FOR BOATS WITH IPS JOYSTICK



Yacht Controller, after two years of studies and sea trials is happy to launch the new **V.IPS** wireless, three axis joystick for boats with IPS joysticks.

V.IPS is an innovative wireless remote control that can replicate exactly the same controls on the transmitter as an IPS joystick, making it possible to manoeuvre the boat from any point without having to remain at the controls.

The **V.IPS** gives unsurpassed control for mooring. The three axis joystick knob is designed for excellent grip and is intuitive to handle. Pressing down on it activates the DPS function if already available on the IPS joystick.

The **V.IPS** with its simple buttons and joystick provides easy control over the engines and bow and/or stern thrusters if present, and up to 2 anchor winches.

The buttons on the sides of the joystick make it possible to independently activate the bow and/or stern thrusters if present in the required direction.

V.IPS has two transmission bands to avoid any interference from nearby equipment; two flashing LEDs on the top of the transmitter indicate the simultaneous transmission on the two bands. If there is any interference or one of the two bands malfunctions, the receiver automatically continues receiving on the other. The transmitter and receiver also communicate using a coded protocol to exclude any interference with other similar equipment installed nearby.

V.IPS is safe because it connects to the existing IPS joystick leaving full operational functionality so that manual control can be quickly resumed if necessary.

The transmitter is small enough to be carried by hand or worn around the operator's neck as preferred.

The transmitter has an on/off /engage button that, with the receiver on, allows control to be taken for mooring.

The receiver controls are activated using the joystick and buttons on the transmitter, which cyclically communicates the state of the controls to the receiver.

The control output continues for as long as the joystick is activated or one of the buttons is pressed.

The transmitter is resistant to immersion in water and floats.

The battery compartment on the back is watertight and holds a rechargeable 3.7 V lithium polymer battery.

The internal transmitter battery can be charged wirelessly using the charger provided.

To recharge simply put the transmitter on the charger base.

FEATURES

- ▶ Dual transmission bands to ensure effective operation even with external interference or faults on one of the two bands
- ▶ Multiprocessor configuration in the receiver (one main CPU and a dedicated microprocessors for each function) providing double control and making undesired commands due to faults impossible
- ▶ Double relay for each control output preventing unwanted signals due to possible but improbable, operating faults.
- ▶ Modular design and easy to modify allowing easy addition of new functions, like control of the bow/stern thrusters and control of the anchor winch/winchies if these were not requested at the time of purchase
- ▶ For almost all models, changing boats and consequent possible change of electronic control heads does not require purchasing a new Yacht Controller unit, but simply the replacement of the engine/interface module
- ▶ LEDs on the front panel of the receiver indicate correct operation of the electronics, the active state of controls, and type of fault if present.
- ▶ A beeper signals not only loss of connection with the transmitter but also the different operating and alarm states
- ▶ AUTOMATIC operating mode: enabled with the relative button, so that when the joystick is moved sideways to the left or right, the bow/stern thrusters are activated together with the engines for quicker and more precise manoeuvres. Even in Automatic Mode, the buttons of the bow and the stern thrusters are active so it is possible to adjust a manoeuvre without engine command delays
- ▶ MANUAL operating mode: the V.IPS joystick reproduces exactly the same controls as the IPS joystick installed on the boat.
- ▶ The bow/stern thruster buttons on the transmitter can also be pressed and used separately
- ▶ High Mode control (if present on the IPS joystick) using the "S" button
- ▶ Dynamic Positioning System control (if present on the IPS joystick) using the joystick knob

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Operating the V.IPS YACHT CONTROLLER is very easy: just enable the boat's controls where the V.IPS receiver unit is connected, enable the boat's joystick by pressing the "Docking" button, switch on the receiver with the on/off switch on the boat, switch on the transmitter, and take control (engage).

From this point onwards, the system is operational and the boat can be manoeuvred in any direction from any position, allowing the operator full visibility around the boat.

To start the anchor winch/winchs simply press the relative function button (anchor UP / anchor DOWN).

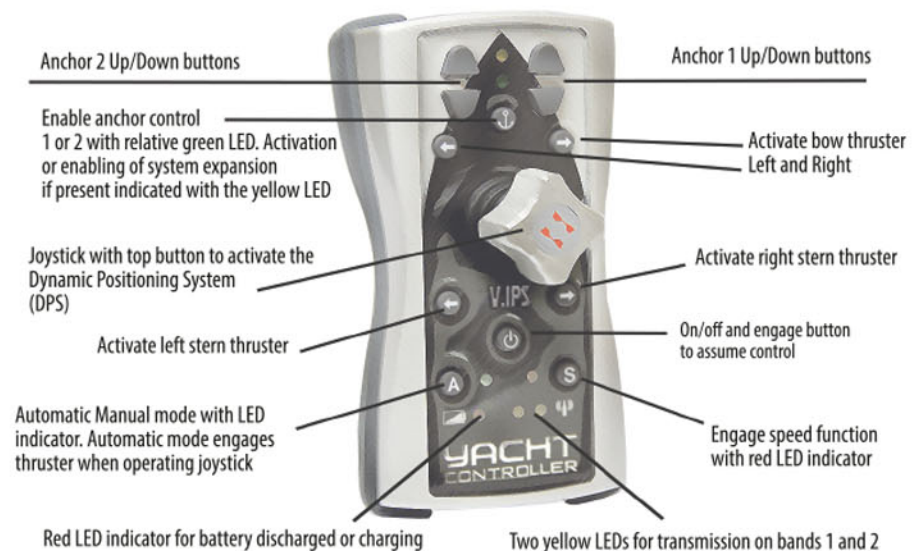
When the joystick is released the system automatically goes into "neutral".

Installation is quick and easy: just connect the receiver to the IPS joystick and to the buttons and/or joysticks of the thrusters and anchor winch/winchs.

TECHNICAL FEATURES

- ▶ Power supply: 3.7 V rechargeable lithium polymer battery
- ▶ Transmitter with IP65 protection rating
- ▶ LED indicators for transmission and battery discharged
- ▶ Dimensions of the transmitter: (l x h x d): 70 x 123 x 55 mm
- ▶ Dimensions of receiver: 180 x 170 x 75 mm
- ▶ Receiver power supply: from 12 VDC to 24 VDC +/-5% max

Outputs for controlling two electronic engines forward/back and right/left bow and stern thrusters, anchor winch/winchs up/down, High Mode button (S), AUTOMATIC/MANUAL (A) button.



The system is guaranteed for 2 years and must only be installed by authorized personnel

VERSIONS AVAILABLE - V.IPS YACHT CONTROLLER

TX+RX 03/02/N	(port and starboard engine control)
TX+RX 03/02/A	(port and starboard engine control and anchor winch control)
TX+RX 03/03/N	(port and starboard engine control, bow thruster control)
TX+RX 03/03/A	(port and starboard engine control, bow thruster control and anchor winch control)
TX+RX 03/04/N	(port and starboard engine control, bow thruster control and stern thruster control)
TX+RX 03/04/A	(port and starboard engine control, bow thruster control, stern thruster control and anchor winch control)
TX+RX 03/04/A1/A2	(right and port and starboard engine control, bow thruster control, stern thruster control and two anchor winch controls) with second receiver or "extended" receiver

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