

**YACHT
CONTROLLER**
YACHTING INNOVATIONS

en-joy

plus

WIRELESS CONTROL SYSTEM FOR BOATS WITH ELECTRONIC ENGINE CONTROLS



After the launch of the JCS Plus, joystick fans will now be delighted with the new **YACHT CONTROLLER EN-JOY Plus**: the latest release in joystick remote controls.

The **YACHT CONTROLLER EN-JOY Plus** has a new revolutionary 3 axis joystick that can manage movements in all directions, as well as boat rotation, with buttons also providing individual control of thrusters and up to 2 anchor winches.

The three-axis joystick knob is specifically designed to ensure a good grip.

The **YACHT CONTROLLER EN-JOY Plus**, like the others **YACHT CONTROLLER** wireless transmitters, is provided with two different transmission bands to avoid any interference caused by the presence of equipment nearby. Two flashing LEDs on the front of the transmitter indicate the simultaneous transmission of the two control signals on both bands. If there is any interference or operating faults on one of the two bands, 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.

The small size of the transmitter means that it can be carried by hand or worn around the 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 transmitter has a rechargeable 3.7V 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 (one main CPU and 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 for addition of new functions, such as adding control of the bow/stern thrusters and control of the anchor winch(es) 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
- ▶ Easy integration with Yacht Controller DUAL BAND, DUAL BAND Plus, EN-JOY wireless, and with the JCS Plus manoeuvring joystick
- ▶ AUTOMATIC mode uses engines and thrusters simultaneously to facilitate mooring even for less experienced operators
- ▶ Acceleration control (possible with certain control heads provided with digital protocols – button "S") and control of up to 2 anchor winches.

Operating the **YACHT CONTROLLER EN-JOY PLUS** is very easy: simply put the boat's electronic control levers into the "neutral" position, enable the **YACHT CONTROLLER DUAL BAND** receiver, switch on the transmitter and take control by pressing the relevant button.

From this point onwards, the system is operational and from any position on the boat a single movement of your finger simultaneously activates the right and left engines and the bow and stern thrusters, so that the boat can be manoeuvred in any direction.

- ▶ To start the anchor winch(es) simply press the relative function button (anchor UP / anchor DOWN).
When the joystick is released the system automatically goes into neutral.

To activate the acceleration function, press the "S" button. ◀
The standard model has up to 5 different acceleration profiles. The required profile is selected by repeatedly pressing the "S" (Speed) button.

If a second receiver is added or with an extended receiver, other functions can be enabled on the boat like opening doors, controlling gangways, lights, and many others

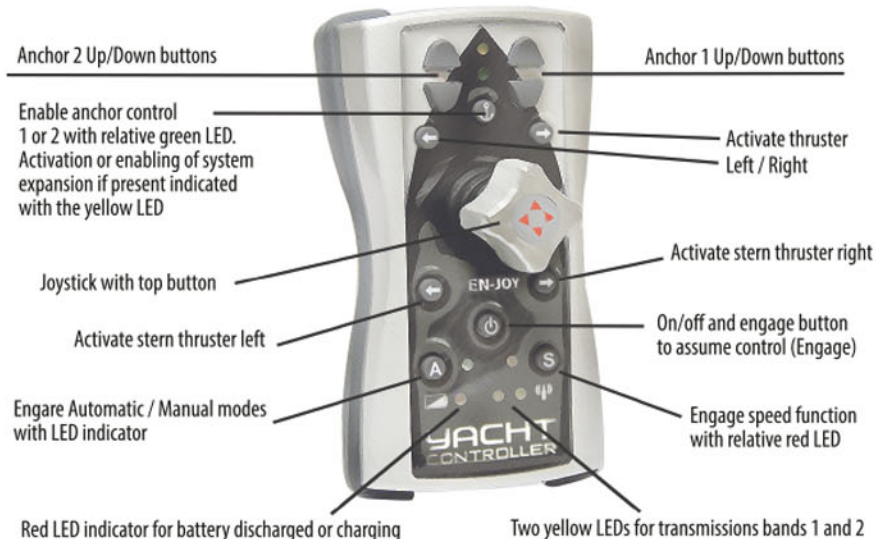
YACHT CONTROLLER EN-JOY is available for the majority of electronic controls heads currently on the market: ◀
Volvo, MAN, Aventics, Bosch Rexroth, ZF/Mathers, Morse, Teleflex, Twin Disc, Vetus, MTU, Detroit Diesel, DTS, Caterpillar, MAN, Glendinning, Ultraflex, Flexball, Yanmar, etc.

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

TECHNICAL FEATURES

- ▶ Power supply: 3.7 V rechargeable lithium polymer battery
- ▶ Transmission and discharged batteries LEDs.
- ▶ Transmitter with IP65 protection rating.
- ▶ Transmitter dimensions: 70 x 123 x 55 mm.
- ▶ Receiver dimensions: 180 x 170 x 75 mm.
- ▶ Transmission power: from 12 VDC to 24 VDC +/- 5% max.

Outputs for controlling two electronically controlled engines forward/reverse and right/left bow and stern thrusters, anchor winch(es) up/down, acceleration button (S), AUTOMATIC/MANUAL button (A).



VERSIONS AVAILABLE - EN-JOY PLUS YACHT CONTROLLER

TX+RX 04/03/N	(port and starboard engine control, bow thruster control)
TX+RX 04/03/A	(port and starboard engine control, bow thruster control and anchor winch control)
TX+RX 04/04/N	(port and starboard engine control, bow thruster control and stern thruster control)
TX+RX 04/04/A	(port and starboard engine control, bow thruster control, stern thruster control and anchor winch control)
TX+RX 04/04/A1/A2	(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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