

**YACHT
CONTROLLER**
YACHTING INNOVATIONS

DUAL BAND

WIRELESS CONTROL SYSTEM FOR BOATS WITH ELECTRONIC ENGINE CONTROLS



The Dual Band model is the clear best seller worldwide in the mooring radio control sector. **YACHT CONTROLLER Dual Band** is safer thanks to the two distinct transmission bands to avoid any risk of interference caused by nearby equipment.

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 Engage button that, with the receiver on, allows control to be taken for mooring.

The control panel has special ergonomically designed levers with silicone membranes, guaranteed for more than 250,000 actions, giving control of the two engines, the bow thruster, stern thruster and the anchor winch.

The transmitter is water resistant and floats.

The battery compartment on the back is also watertight and allows quick, simple changing of the three AAA batteries, widely available everywhere.

FEATURES

- ▶ Dual transmission bands ensure effective operation even with external interference or faults on one of the two bands.
- ▶ Multiprocessor configuration (one main CPU and a specific microprocessor for each function) provides double control and ensures that undesired commands due to faults are impossible.
- ▶ Double relay for each control output preventing unwanted signals due to possible but improbable, operating faults.
- ▶ Modular design and easy to modify if you want to add new functions like control of the bow/stern thrusters and control of the anchor winch, if these were not requested at the time of purchase.
- ▶ For almost all models, changing boats and consequent possible change in electronic control hands 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 the loss of connection with the transmitter but also the different operating and alarm states.
- ▶ Easy integration with Yacht Controller DUAL BAND Plus, EN-JOY, EN-JOY Plus wireless and with the JCS Plus manoeuvring joystick.

YACHT CONTROLLER Dual Band is very easy to operate: simply put the electronic boat control levers into the "neutral" position, enable the **YACHT CONTROLLER** receiver with the switch on the dashboard, switch on the **YACHT CONTROLLER Dual Band** transmitter with the ON/OFF button and assume control with the Engage button on the transmitter. From this point onwards, the system is operational.

To activate the engines and bow and stern thrusters, hold the levers pressed in the required direction. To activate the anchor winch press the buttons for the required function (anchor UP or anchor DOWN). When pressure is released from any of the silicon covered levers the system returns to "neutral" mode.



DUAL BAND

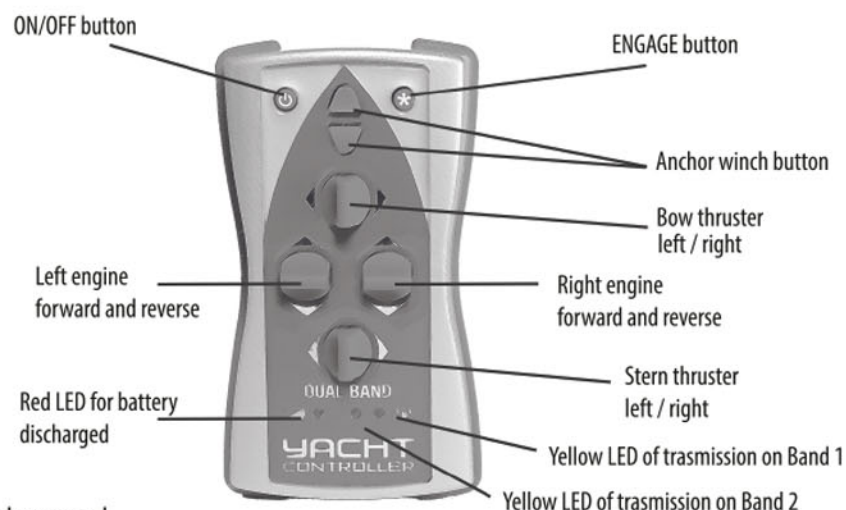


Installation is quick and easy: simply connect the receiver to the control levers and to the switches and/or joysticks of the thrusters and anchor winch.

YACHT CONTROLLER Dual Band is available for connection to the majority of electronic controls 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

- ▶ Transmitter power supply: 3 x 1.5V AAA batteries
- ▶ Transmission and discharged batteries LEDs
- ▶ Transmission power: from 12 VDC to 24 VDC +/- 5% max
- ▶ Transmitter with IP65 protection rating

Transmitter dimensions: 122 x 69 x 42 mm ◀

Receiver dimensions: 180 x 170 x 75 mm ◀

Outputs for controlling two electronically controlled engines forward/back, bow and stern thrusters left/right, anchor winch up/down ◀

OPTION: colour Blue or Grey ◀

VERSIONS AVAILABLE - DUAL BAND YACHT CONTROLLER

TX+RX 07/02/N	(port and starboard engine control)
TX+RX 07/02/A	(port and starboard engine control, anchor winch control)
TX+RX 07/03/N	(port and starboard engine control, bow thruster control)
TX+RX 07/03/A	(port and starboard engine control, bow thruster control and anchor winch control)
TX+RX 07/04/N	(port and starboard engine control, bow thruster control and stern thruster control)
TX+RX 07/04/A	(port and starboard engine control, bow thruster control, stern thruster control and anchor winch control)

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