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**YACHT CONTROLLER S.r.l.**

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## The company ▶

Created to develop innovative advanced technology products for safer and more enjoyable boating, **Yacht Controller S.r.l.** is now an undisputed leader in its field, all over the world.

YC products are designed with our great passion for the nautical world, for customers who more and more, every day, are asking for technological innovations to make their time on board more enjoyable.

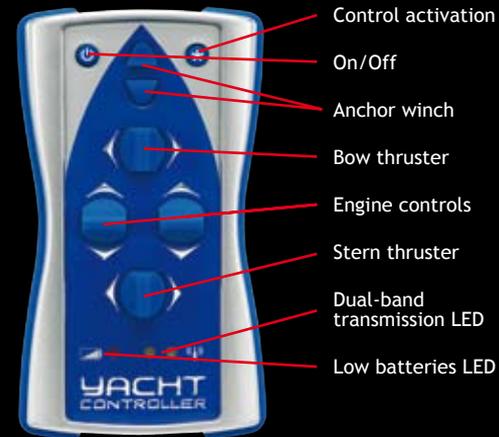
Thanks to our experience in electronics via our associated companies in the Microfin Group, Axiomtek Italia and Micro Device (world leaders in industrial computers and automation), over a brief period **Yacht Controller S.r.l.** has developed and put on sale a range of products of undisputed quality and success.

Our patented product range is CE and FCC certified by the most important international authorities. It comprises wireless radio controls, monitoring systems, LCD displays (some integrated with a PC) and nautical PCs.

**Yacht Controller** products are sold via an extensive professional sales and assistance network, in Italy and worldwide.

## Technical data

- ◀ Transmitter power: 3 batteries 1.5V type AAA (LR03).
- ◀ Transmission and low battery indicator LEDs.
- ◀ Transmission power: 5mW (50 metres max).
- ◀ Receiver power: 12V DC or 24V DC ± 5% max.
- ◀ Transmitter protection to IP68.
- ◀ Transmitter dimensions (mm): 122 x 69 x 42.
- ◀ Receiver dimensions (mm): 180 x 170 x 75.
- ◀ Outputs: electronic forward and reverse controls for 2 engines and left/right bow thruster.
- ◀ Colours: blue or grey.



### Yacht Controller DUAL BAND versions

2-channels version	TX+RX 07/02/N	(control of port & starboard engines)
3-channels version	TX+RX 07/02/A	(control of port & starboard engines and anchor winch)
	TX+RX 07/03/N	(control of port & starboard engines and bow thruster)
4-channels version	TX+RX 07/03/A	(control of port & starboard engines, anchor winch, bow thruster)
	TX+RX 07/04/N	(control of port & starboard engines and bow & stern thrusters)
5-channels version	TX+RX 07/04/A	(control of port & starboard engines, bow & stern thrusters, anchor winch)

## Yacht Controller DUAL BAND ▶

The **Yacht Controller Dual-Band** model is the latest technological advance in the field of remote wireless controls for boat mooring. Technologically even more advanced than the original patented YC model, the **Dual-Band** version has finally left behind its many imitators. By operating on two completely separate frequency bands, the **YC Dual-Band** model makes your mooring procedure even safer than before, by eliminating external interference from any nearby unscreened devices that do not comply with the legal requirements for wireless transmissions.

When your receiver is turned on, a switch on the transmitter handset gives you full control over the mooring operations. The special silicone membrane switches are robust enough to withstand more than 200,000 movements. The transmitter is waterproof and will float if dropped overboard.

The new **Dual-Band** receiver is a technological revolution. It features the following improvement:

- ◀ A double receiver operating on two separate frequency bands, ensuring perfect operation even when there is external interference or when either of the two bands is out of service.
- ◀ A multiprocessor structure (a central CPU with a microprocessor for each function) that gives you two levels of control over each function, making unintended commands impossible to execute should anything go wrong.
- ◀ Double relays for each command output, preventing unintended activation.
- ◀ A modular design that can be easily modified to add new functions. If you change your boat you won't need to buy a new **Yacht Controller**. You simply replace an internal card and can continue to operate your new boat with different controls.
- ◀ LEDs on the front of the receiver unit confirm that the electronics are operating correctly, tell you which commands are being activated, and provide details of any malfunctions.
- ◀ A beeper warns you should you lose connection to the transmitter, signals the various states of operation, and has an alarm to advise you of any malfunction.



Headquarter in Cusano Milanino - Milan - Italy

## The history of Yacht Controller ▶

**Yacht Controller**, recognised by national and international patents, originated in 1999 when the first prototype was developed to compensate for the absence in the nautical market of a remote control system that could enable a boat to be berthed without assistance. After 4 years of continuous development **Yacht Controller** was officially launched at the 2002 Genoa Boat Show, and aroused immediate interest. Its launch slogan was “everyone’s dream is to move freely from bow to stern without having to stay at the helm.” This dream has already come true for thousands of enthusiastic users all over the world.

The ability to manoeuvre a boat on your own, and moor it with the greatest of ease, controlling and correcting its position at all times in complete safety, has made **Yacht Controller** an essential aid for many owners of yachts of all sizes from 28’ to over 150’.

In the 2004 **Yacht Controller** won the NMMA Innovation Award for the “best technological innovation” at the Miami Boat Show.

In line with our company philosophy, which aims to continuously innovate with new products, was launched the **Yacht Controller Dual-Band** model.

Now with the new **Yacht Controller SMART** version it’s possible to have 5 functions also on a single band unit.

The different versions of **Yacht Controller** can be installed on most of electronic controls currently on the market, and are designed to work with all inbuilt safety systems, to ensure the safety and reliability of the installed controls.

## Technical data

- ◀ Transmitter power: 3 batteries 1.5V type AAA (LR03).
- ◀ Transmission and low battery indicator LEDs.
- ◀ Transmission power: 5mW (50 metres max).
- ◀ Receiver power: 12V DC or 24V DC ± 5% max.
- ◀ Transmitter protection to IP68.
- ◀ Transmitter dimensions (mm): 122 x 69 x 42.
- ◀ Receiver dimensions (mm): 170 x 80 x 55.
- ◀ Outputs: electronic forward and reverse controls for 2 engines and left/right bow thruster.
- ◀ Colours: blue or grey.



### Yacht Controller SMART

2-channels version	TX+RX 08/02/N	(control of port & starboard engines)
3-channels version	TX+RX 08/02/A	(control of port & starboard engines and anchor winch)
	TX+RX 08/03/N	(control of port & starboard engines and bow thruster)
4-channels version	TX+RX 08/03/A	(control of port & starboard engines, anchor winch, bow thruster)
	TX+RX 08/04/N	(control of port & starboard engines and bow & stern thrusters)
5-channels version	TX+RX 08/04/A	(control of port & starboard engines, bow & stern thruster and anchor winch)

## Yacht Controller SMART ▶

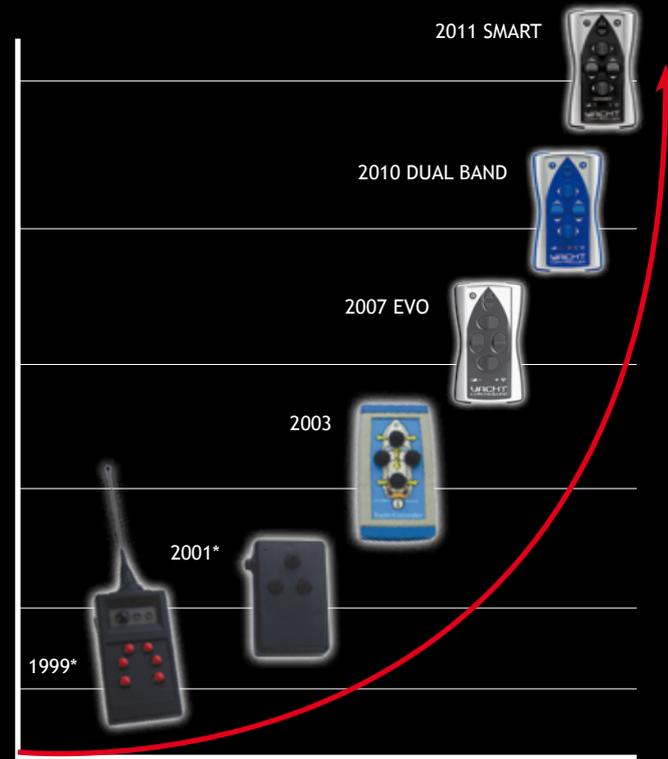
The new YACHT CONTROLLER Smart wireless remote control, with its attractive design in the colours metallic grey and blue, replaces the EVO model, which until now has enjoyed outstanding success in the nautical world, actually creating a new product sector.

The main features of YACHT CONTROLLER SMART are:

- ◀ Single band of transmission.
- ◀ Multiprocessor structure that allows double control of each function, making it impossible for wrong commands to be given in the event of a fault.
- ◀ Two relays for each control output for maximum safety.
- ◀ Modular design, which can be modified to add functions or can be transferred to a new boat by simply replacing a card.
- ◀ LEDs on the front panel of the receiver to indicate correct operation of the electronics, the state of active controls and, in the event of malfunction, the type of fault.
- ◀ The beeper indicates loss of connection and also the various operating and alarm states.

YACHT CONTROLLER SMART is composed of two elements: the transmitter with which the manoeuvre is controlled and the receiver, which it is installed close to the existing controls on the bridge. To operate the engines and bow and stern thrusters, press and hold the levers for the manoeuvre required. The windlass is activated by pressing the corresponding buttons. When pressure on the levers is released, the system returns to "neutral" mode.

YACHT CONTROLLER SMART is only available for the following brands of electronic controls: Volvo EDC, Volvo EVC B2, Volvo EVC C and D, ZF/Mathers, Glendinning, Cummins/Mercruiser DTS, Morse.



\* Items-prototypes not sold



## Mooring and other manoeuvres ►

### *Yacht Controller simplifies any mooring manoeuvre*

As boat owners or boat watchers we've all seen arguments about incorrect manoeuvres, due to communication difficulties between the helm and the crew carrying out the manoeuvres, sometimes damaging our own boat or someone else's - and sometimes harming people. But with **Yacht Controller**, all these problems belong to the past. From anywhere on the boat you will be able to carry out forward, reverse and lateral movements simply by operating a series of rocker switches that control both engines, the bow and stern thrusters, and the anchor winch.



### *Dropping anchor is easy with Yacht Controller.*

Because you can stand in the bow when dropping anchor, you can check the seabed and make sure there are no other anchors nearby. You can control the rate of descent of your anchor by running out the chain with the engine in reverse, and thus get a more secure grip on the bottom.

When weighing anchor, again you can control the boat from the bow, and manoeuvre correctly so as to reduce the load on the winch, whilst being able to see that you have not fouled any other anchor cables.

### *Buoy hooking with Yacht Controller.*

When you are mooring offshore or in ports without mooring posts, it will no longer be a problem to tie to a buoy or pontoon.

You can do everything yourself from the stern, without needing to work out what others are shouting to you from the foredeck.



### *With Yacht Controller, you won't need a stern winch.*

When mooring with **Yacht Controller**, you only need to fix your line to the bollard, positioning the boat about two metres further forward than usual and then briefly reversing the engines so that you can wrap the line round the bollard without any effort. By not needing to install a stern winch you will almost recoup the cost of your **Yacht Controller**.



### *Yacht Controller is useful in many other situations.*

When docking at a filling station, for instance, your work is far easier, because you can control the boat from the stern, the bow or the sides and you get a clear view of the whole situation, enabling you to carry out the correct manoeuvres without risking pointless collisions.