

Nautinect autopilot

Congratulations on purchasing the Nautinect autopilot. You are one of the early adopters. The product is in full development and is only getting better by the day.

Installation

To install the autopilot, you only need to connect 4 wires and screw down the box

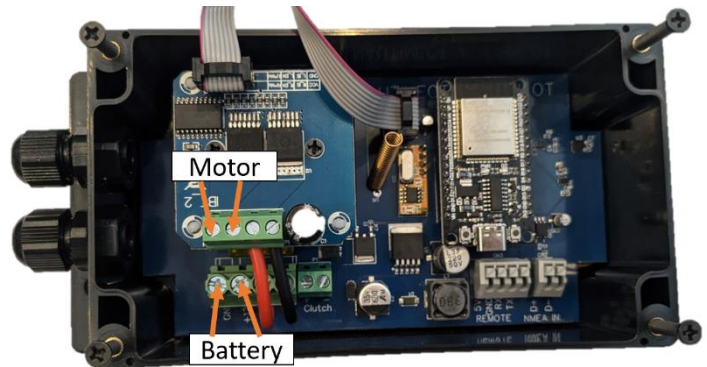
Wiring

+12V to the boat battery positive terminal

GND to the boat battery negative terminal

The wires of your Motor/actuator should go to the top terminal. test if the rudder moves right when pressing on the +1 or +10 button. If the rudder moves the wrong way, just switch the wires.

You can take the PCB out for easier installations. Make sure to tighten the cable glands to reduce stress on the terminals. If you place it on deck, insert the rubber seal ring in the lid for water proofing.



Placement

The unit can be placed in any orientation as long as one side is facing to the sky with no more than 20 degree slant (while the boat is at rest). Make sure it is not close to metal or wires conducting high currents. Place the unit 1 centimeter away for each Amp that a cable is running. The compass works on steel ships, but doesn't give an accurate reading because of the magnetic field deviation. It also may require recalibration through the app.

More information can be found on my website. You can always contact me or consult the Facebook group.

Disclaimer

The autopilot is intended as a steering aid, and you should always remain at the helm. The autopilot is not aware of its surroundings and relies on sensitive instruments that may be subject to interference. The seller is not responsible for any damage, loss, or accidents resulting from the use of the autopilot. The use of the autopilot is entirely at the buyer's own risk. It is the buyer's responsibility to ensure that the device is suitable and safe for use on their specific boat and in their particular boating conditions.

Actuators

Any Brushed DC motor can be used. When buying a linear actuator, one with end-limit switches is advised. Because when the helm is at its end, and the motor still tries to push, it causes heat and can eventually lead to burns. The autopilot on a straight course should not hit the end of the steering. There is a built-in protection that makes sure that the motor does not run for more than 5 seconds at full speed in a single direction to prevent too much heat generation.

Autopilot tuning

Because this autopilot supports a wide variety of motors and type of boats, you fine-tune the characteristics inside the app.