



NAV200-AI

AUTOPILOT

Seaman NAV200-AI

the smart choice in modern navigation

In a maritime environment where efficiency and precision determine the profitability of every voyage, course control cannot be left to chance. The **Seaman Nav200-AI** is our next-generation autopilot, designed to deliver predictive, safe, and highly efficient steering control, reducing mechanical wear and fuel consumption.

The **Nav200-AI** is the evolution of our legendary NAV100 autopilot. With over **25 years of proven performance** in the most demanding seas, we have taken a robust platform and propelled it into the future.

We understand that every vessel and every voyage is unique. That's why the **Nav200-AI** seamlessly adapts to any configuration: its system controls everything from bow thrusters and solenoids to complex hydraulic systems. Thanks to its 7 dynamic and programmable profiles, the autopilot automatically adjusts its behavior according to the vessel's speed and condition*, always ensuring a steady and reliable response.

*Do not use the autopilot in cases of bad weather conditions.



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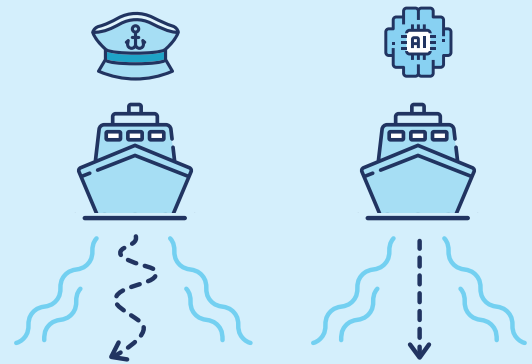
+SEAMLESS INTEGRATION It interfaces with industry-standard navigation systems like TimeZero™ and Olex™ via NMEA 2000 and Ethernet, automatically executing complex maneuvers.

+UNIVERSAL COMPATIBILITY The control system is fully compatible with bow thrusters, solenoid systems, relays, hydraulic pumps, and mechanical actuators. In addition, its interface supports multiple languages and units of measurement, seamlessly adapting to international crews.

+EXTREME VISIBILITY The entire system is managed through a 7-inch transreflective display boasting 2,000 nits and 9 adjustable levels of brightness. This guarantees absolute clarity under the glaring midday sun and adjusts automatically for night watches. Additionally, it allows you to take full control from any PC connected to the vessel's network.

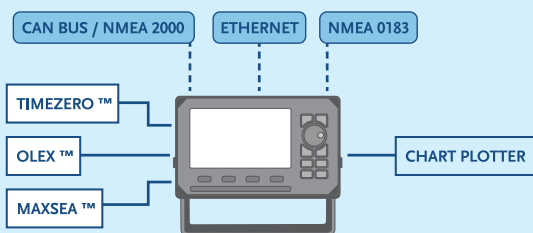
Artificial Intelligence for maximum efficiency and savings

Unlike traditional autopilots that react only after the vessel has drifted off course, the Nav 200's Machine Learning system actively learns the vessel's hydrodynamic behavior. The AI anticipates movements caused by waves, wind, and currents, making smooth, predictive corrections and reducing unnecessary rudder 'micro-movements'. By minimizing drag, engine strain is reduced, which translates into a straighter wake and significant fuel savings



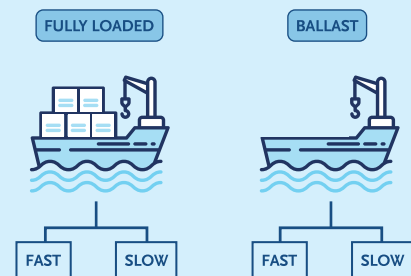
Full connectivity and integration with bridge equipment

The Nav200-AI is the heart of a modern navigation network. Thanks to its native support for CAN bus, Ethernet, and its 2 auto-configuring NMEA 0183 ports, it integrates seamlessly with industry-leading navigation software such as TimeZero™, Olex™, and MaxSea™. The autopilot receives routes, waypoints, and cross-track error data from these systems, executing planned maneuvers with pinpoint precision.



Total adaptability to sea conditions

It features multiple fully programmable profiles that automatically adapt based on vessel speed. Whether running in ballast, fully loaded, or battling the harshest conditions, the autopilot instantly fine-tunes its sensitivity and response, guaranteeing optimal control without constant manual intervention.



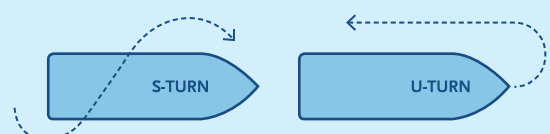
Multi-station flexibility & control

Take full command of the vessel from the main display or any onboard computer connected to the ship's network, all powered by our proprietary software featuring compatibility with Windows™, Linux™, and Mac™.

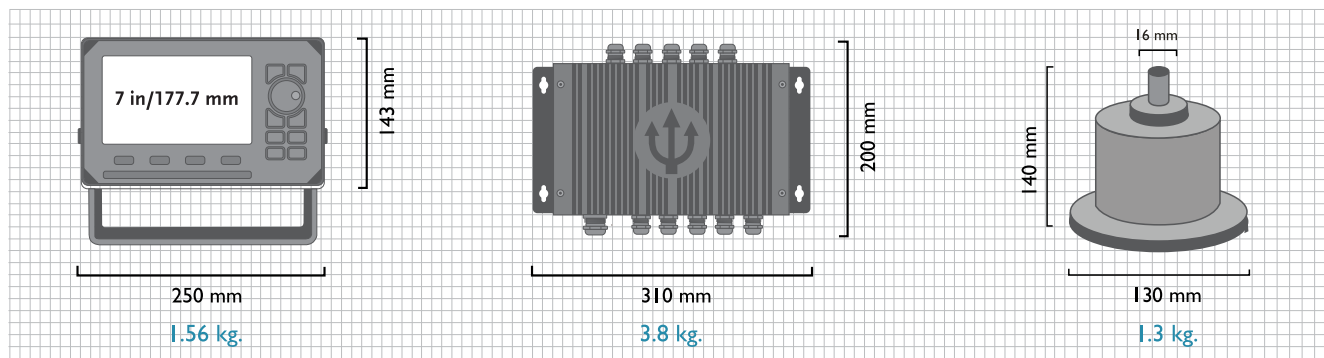


Safety & Maneuverability

Equipped with a comprehensive suite of customizable alarms, including a 'Dead Man's' system to ensure active watchkeeping on the bridge. Additionally, it enables the execution of complex automated maneuvers such as S-Turns and U-Turns that can be perfectly tailored to the specific dimensions of any vessel.



AUTOPILOT | specifications & dimensions



■ DISPLAY

Resolution

1280x720 (Hx)

Type

16-bit TFT

Best viewing direction

All directions

Brightness (Nits

cd/m²)

2000

■ NETWORKING

CAN Bus

Yes

USB

For software updates

Ethernet

Yes

NMEA 2000

Yes

■ POWER

Voltage supply

12-32 VDC

Current consumption

1.2/0.6 A a 12V DC

0.43/0.21 A a 33V DC

Backlight on/off

POE ready

Yes

■ ENVIROMENT

Temp. of operation

0 to +50°C

Temp. of storage

-32 to +70°C

Protection

IPx6

■ MECHANICAL

Mounting

Desk or Bracket

Construction

Epoxy Coated Seawater

resistant Aluminium

Rubber buttons

Cable

1 Ethernet

1 Can bus

1 Serial Data IN/OUT

■ FUNCTIONS

- Heading Control

- Waypoint - Waypoint Steering

- FU / NFU function

- Adjustable light

- Day / Night mode

- Dual power (POE / CAN)

- Course over ground (COG y

SOG)

- Rate / Radius Turn

- Heading / Course Catch

- Resume to previous heading

- Direct command transfer

- U-turn / S-turn

- 7 profiles / 3 cusmotized profiles

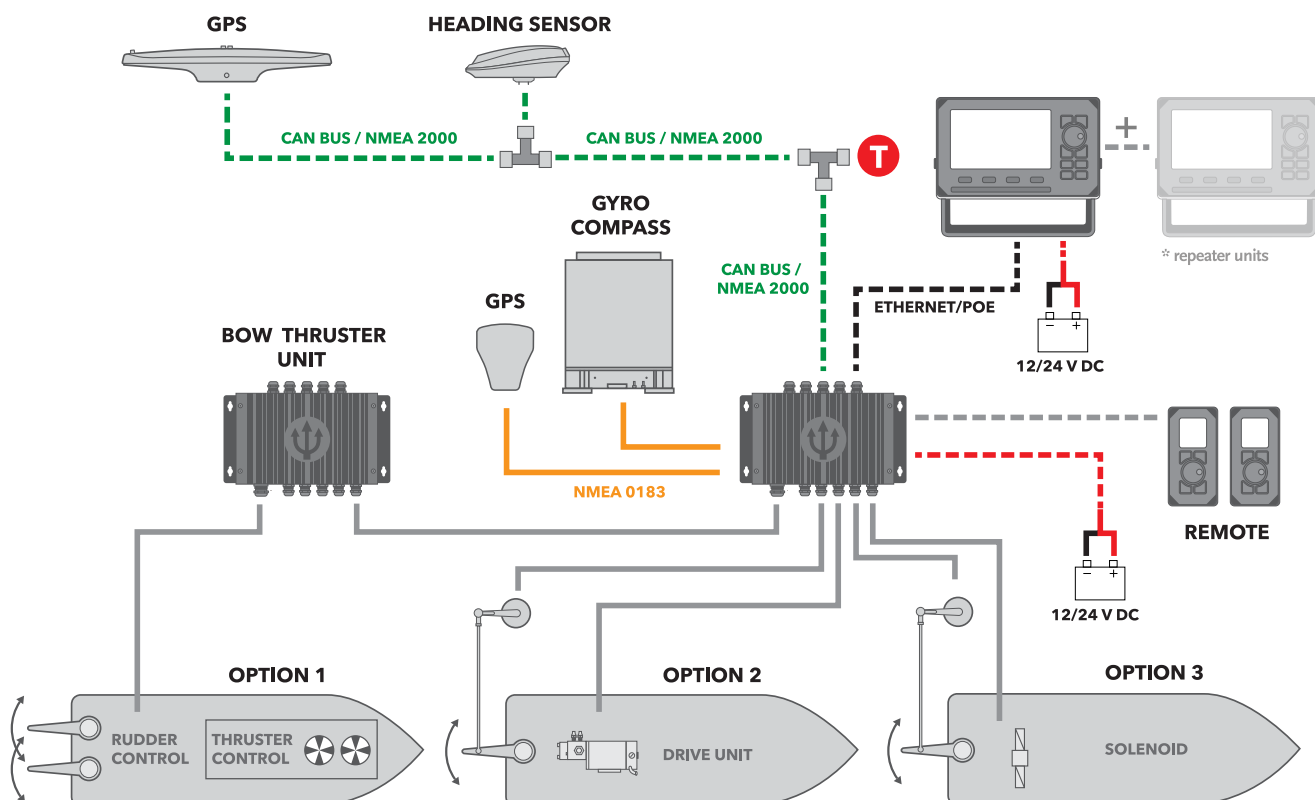
- AI adaptative steering

- Built in audible alarm

- Multiple languages

- 4 configurable alarms

- Dead Man alarm



* more configurations available