



MAP PILOT



MAP AUTOPILOT SYSTEMS

Overview

The **MAP Pilot** is a state-of-the-art marine autopilot by MAP Marine Technologies (MAP-Tech), designed as a navigational aid for vessels of any size.

With a built-in GPS unit and 9-axis IMU, the **MAP Pilot** provides precise track control of your vessel.

The destination of your vessel can be set easily through the MAP Application, to which the autopilot seamlessly connects, providing you with both autonomous and manual control of the boat.

Navigational Aid

- Effortlessly select and mark your desired route on the map.
- Easy integration into vessels with different steering systems, such as hydraulic and push-pull mechanisms.
- In-built navigational aids such as a GPS unit, compass, and 9-axis IMU.

Remote Helm

- Connects to the **MAP Planner** application through Wi-Fi.
- Flexibility in terms of installing the **MAP Pilot** and its accessories.
- Switch easily between the autonomous and manual modes of your autopilot.

Track Control

- Maintains the exact heading and course of your vessel, despite rough waters.
- Reduces the distance covered via precise track control.
- Easily tuned according to the operational parameters of any type of vessel.

MAP Application for Navigation Control

The MAP Pilot connects to the **MAP Application**, a mobile app designed to steer your vessel and configure your routes. You can plan your routes **offline** and upload them before starting an operation. The application is available both on Windows and Android.

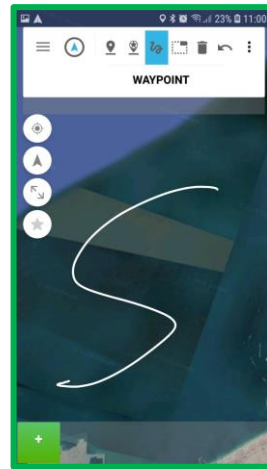
Plan new routes



Manually steer your vessel



Scribble routes and add points of interest (POIs)



Multi-Function Display



The MAP Pilot is compatible with the **MAP Multi-function Display (MAP MFD)**, an LCD touchscreen equipped with the Android OS.

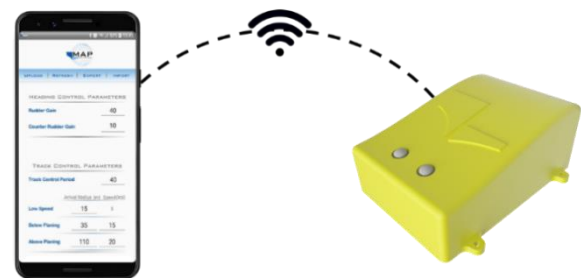
You can access controls for the MAP Pilot via the MAP Application, including the remote helm slider to steer your vessel.

The MAP MFD can also be integrated with the entertainment system of your boat, since it can interface with the audio system onboard.

MAP Pilot Configuration

The MAP Pilot can be configured using the **MAP Setup Tool**, a MAP-Tech application that enables you to easily configure the autopilot.

You have access to the various parameters of the MAP Pilot, for precise heading control and track control at different speeds.



Technical Specifications

Electrical Specifications	Variant A (MP-PMA03A)	Variant B (MP-PMA03B)
Operating Voltage	12V	12 or 24V
Power Consumption	156W (max)	300 or 600W (max)
Steering Pump Current	13A (max)	25A (max)
Rudder Feedback	0 – 5V (analog)	0 – 5V (analog)
Mechanical Specifications		
Weight	400g	400g
Dimensions (in mm)	163.1 x 120 x 61	163.1 x 120 x 61
Operating Conditions		
Operating Temperature	-40 °C to 85 °C	-40 °C to 85 °C

