

# AlphaRiverTrackPilot

Trackpilot

ALPHATRON

Marine



- Automatic course and track steering
- Easy route setting and adjusting
- Analysis of route progression through prediction lines
- Collision warning



Category



Inland

# Features

The AlphaRiverTrackPilot is fully automated course and track control system for the inland shipping segment. Under the name AlphaRiverTrackPilot, this first fully automated autopilot system allows a ship to sail along a predefined line. The AlphaRiverTrackPilot will take off the burden of the captain not having to make many manual adjustments.



- Easy route setting by the user
- Optimum route adjustable taking into account water level and loading conditions
- Quick adjustment of the set rate if desired by joystick
- Analysis of route progression through prediction lines
- Very easy adjustable to sail along a pattern of lines, making it very suitable for survey vessels
- Collision warning

# Ease of operation

The AlphaRiverTrackPilot sends steering commands to the autopilot system as values for desired rate of turn (ROT). The autopilot system controls the rudder angle so that the ship turns as required by our track control system. Compared to a normal river pilot, the AlphaRiverTrackPilot will calculate the required rudder output for the steering of the vessel as well as to compensate for drift. The position, orientation and motion of the ship are measured using a GPS compass together with a ROT sensor (gyro).

Assisted by our proprietary compact joystick control panel, the captain can derive from the preset line and make small adjustment while navigating to the course of the vessel course. The choice of desired steering system automatic, follow up and track can be easily selected from the existing Alphasat Marine river pilot.



## Collision warning

An optional function is the collision warning. Based on the AIS data the system will calculate the heading of all vessels and gives you a warning when a vessel crosses your sailing route.

## Remote monitoring

The track control system is delivered with an LTE modem for remote monitoring, maintenance and updates.



## Touch screen

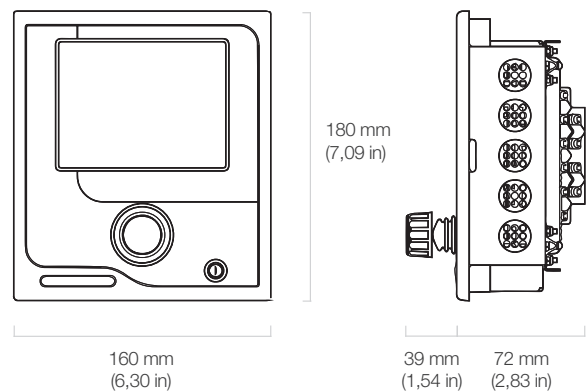
The touchscreen of the control panel shows the most important data of the control system. It is possible to adjust and reset the offset to the guiding line, select different configurations and control parameters i.e. for different loading conditions. The touchscreen also displays detailed alarms and warning information.

## Navigating

The track control system features a network interface for inland ECDIS chart displays. At first, the chart display shows the selected guiding line. Later, using the chart system, it is possible to select other guiding lines or create new guiding lines according to personal preferences and send them to the AlphaRiverTrackPilot. For passing and encountering other vessels there is an adjustable offset to the guiding line. The offset is easily changed by using the joystick on the control panel.

## Tech Specs

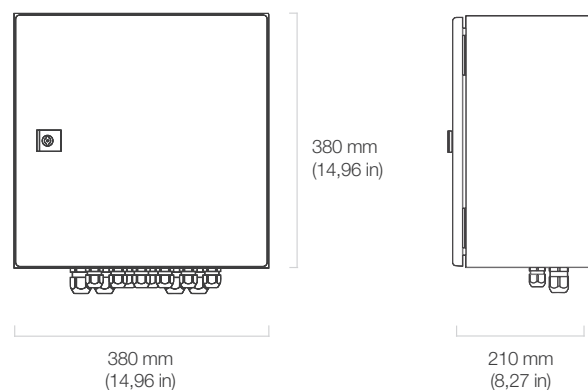
AlphaRiverTrackPilot MFM RoHS  
G-005185 Weight 1,2 kg (2,65 lbs)



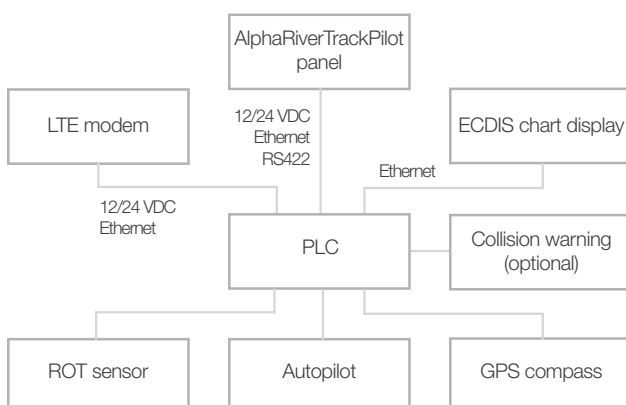
### In the box

- Junction box with PLC G-004528
- AlphaRiverTrackPilot display unit G-005185

Junction box RoHS  
G-004528 Weight 15 kg (33,07 lbs)



## System diagram





ALPHATRON  
Marine



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