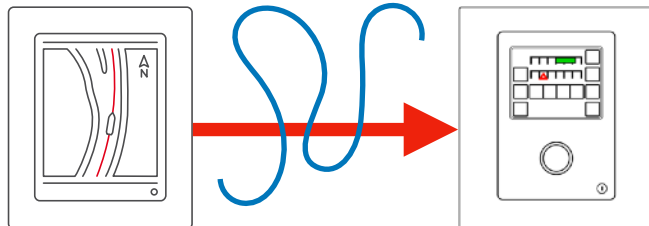


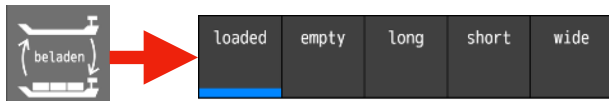
# AlphaRiverTrackPilot – quick start guide

## Preparation

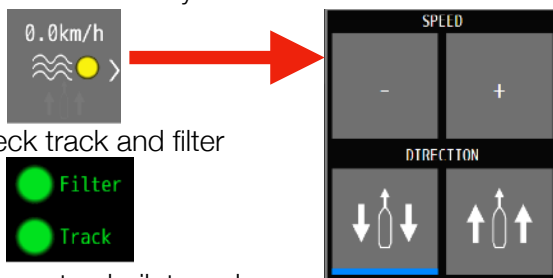
1. Choose track from ECDIS or in TrackPilot



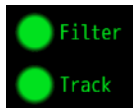
2. Choose profile



3. Set stream velocity and direction



4. Check track and filter

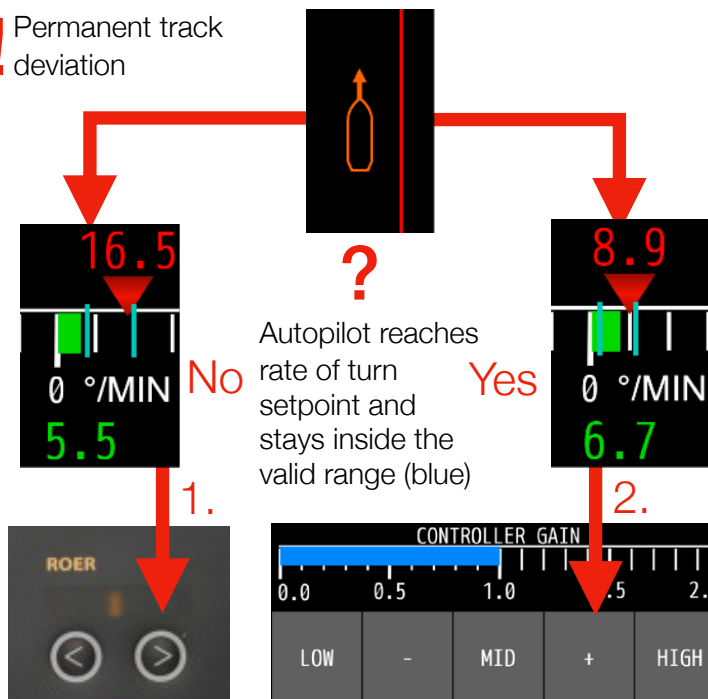


5. Turn on trackpilot mode

## Permanent track deviation

**! Check stream settings**

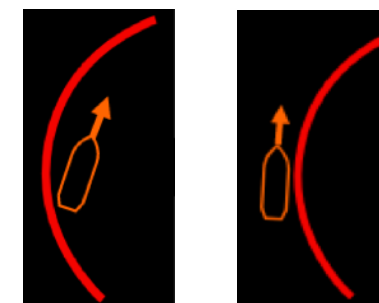
**! Permanent track deviation**



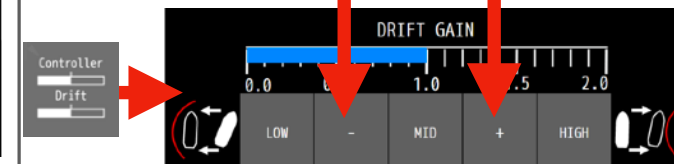
## Deviation in curves

**! Check stream settings**

Too far on inside of curve      Too far on outside of curve



Adjust drift gain

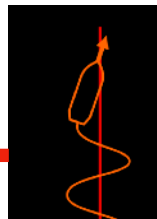


Test for a few minutes and adjust further if necessary

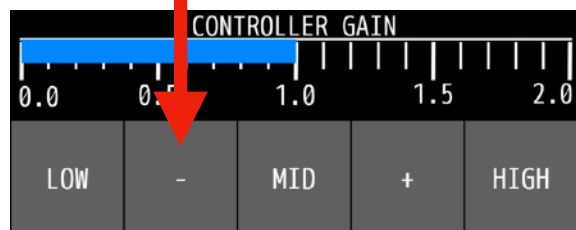
## Oscillations

**! Check stream settings**

**! Oscillations around guiding line**



Lower „controller gain“



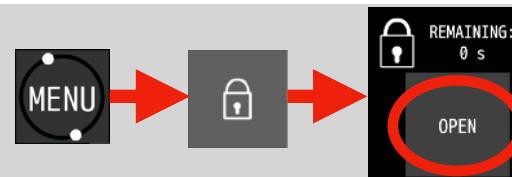
Test for a few minutes and adjust further if necessary

## Miscellaneous

Check system version



Open access for remote support

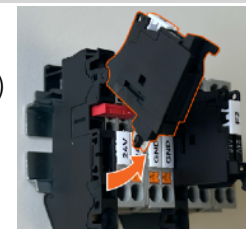


Restart TrackPilot

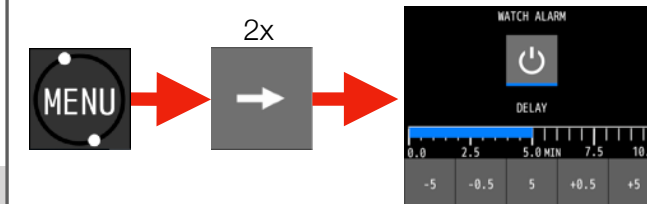
Variant A)



Variant B)



Setup watch alarm



Download manual



**ALPHATRON Marine**

powered by  
**argonics**  
an Alphon Marine company

AlphaRiverTrackPilot – warnings and alarms

Warning Name	Action	Alarm Name	Action
AIS: Error - Contact support	<ul style="list-style-type: none"><li>• (Re-)Start the AIS.</li><li>• If the warning does not disappear by itself, contact support.</li></ul>	Autopilot connection lost: Take control	<ul style="list-style-type: none"><li>• Switch off immediately</li><li>• Check correct function of all devices</li><li>• Contact customer support</li></ul>
AIS: No data received	<ul style="list-style-type: none"><li>• TargetPilot active? ➡ Closely monitor track control system for correct operation</li><li>• Malfunction of AIS? ➡ immediately deactivate TargetPilot</li></ul>		
Close to end of track	<ul style="list-style-type: none"><li>• Switch to manual steering</li><li>• Choose new guiding line</li></ul>	Collision ahead: Take control	<ul style="list-style-type: none"><li>• Acknowledge alarm by switching to manual steering. There is no other way to acknowledge the alarm.</li><li>• Continue to steer manually and avoid collision</li><li>• In case of false alarm, check the setting of the argoLaneWarning</li></ul>
Collision ahead	<ul style="list-style-type: none"><li>• Move current track</li><li>• Wait until the ship has reached the shifted line</li></ul>	End of track reached: Take control	<ul style="list-style-type: none"><li>• Immediately switch to manual steering</li><li>• Choose new guiding line</li></ul>
Distance to track large	<ul style="list-style-type: none"><li>• Check if the autopilot system processes the commands by the track control system</li><li>• Acknowledge warning</li></ul>	I/O: Error - Contact support	<ul style="list-style-type: none"><li>• Switch off immediately</li><li>• Check correct function of all devices</li><li>• Contact customer support</li></ul>
ECDIS / Alphanon Display: connection lost	<ul style="list-style-type: none"><li>• (Re-)Start the ECDIS / Alphanon Display.</li><li>• If this warning does not disappear by itself, contact support.</li></ul>		
End of SafetyContour ahead	<ul style="list-style-type: none"><li>• Select new safety corridor</li></ul>	Position unusable: Take control	<ul style="list-style-type: none"><li>• Acknowledge alarm by switching to manual steering. There is no other way to acknowledge the alarm.</li><li>• Wait until state of track control system returns to „READY“.</li><li>• Check in ECDIS if ship position on map and reality match.</li><li>• Switch on track control system</li><li>• Increase attention</li></ul>
GPS (2): No heading received	<ul style="list-style-type: none"><li>• Acknowledge warning and closely monitor track control system for correct operation</li><li>• Error persists after 10 minutes? ➡ Contact support, if nec. switch to manual steering</li></ul>		
GPS (2): No position received	<ul style="list-style-type: none"><li>• Acknowledge warning</li><li>• Closely monitor track control system for correct operation</li><li>• Increase attention</li><li>• Wait if data comes back</li><li>• otherwise switch to manual steering</li></ul>	Rudder change too large: Take control	<ul style="list-style-type: none"><li>• Acknowledge alarm by switching to manual steering.</li><li>• Wait until state of track control system returns to „READY“.</li><li>• Check in ECDIS if ship position on map and reality match.</li><li>• Switch on track control system</li><li>• Increase attention</li></ul>
GPS (2): No velocity received	<ul style="list-style-type: none"><li>• Acknowledge warning and closely monitor track control system for correct operation</li><li>• Error persists after 10 minutes? ➡ Contact support, if nec. switch to manual steering</li></ul>	System Error 001/002/003 - Contact support	<ul style="list-style-type: none"><li>• Switch off immediately</li><li>• Contact customer support</li></ul>
Left/Right limit violated	<ul style="list-style-type: none"><li>• Move the track to keep the planned path within the safety corridor</li></ul>	Target lost: Take control	<ul style="list-style-type: none"><li>• Acknowledge alarm by switching to manual steering. There is no other way to acknowledge the alarm.</li><li>• Continue manually and select new AIS target or deactivate TargetPilot</li></ul>
No ROT received	<ul style="list-style-type: none"><li>• Check the correct function of all devices.</li><li>• If this warning does not disappear by itself, contact support.</li></ul>	Target too close: Take control	<ul style="list-style-type: none"><li>• Acknowledge alarm</li><li>• Continue manually and increase distance to AIS target or deactivate TargetPilot</li></ul>
Position inaccurate	<ul style="list-style-type: none"><li>• Wait for the warning to disappear</li><li>• If EstimationDegraded error comes up switch to manual steering</li></ul>	Track too far away	<ul style="list-style-type: none"><li>• Switch to manual steering</li><li>• Check if the correct guiding line has been chosen</li><li>• Choose another line closer to the current position</li></ul>
Power supply connected incorrectly	<ul style="list-style-type: none"><li>• Contact dealer/installer</li></ul>		
Strong cross current detected	<ul style="list-style-type: none"><li>• Increase attention</li></ul>	Turn too sharp: Take control	<ul style="list-style-type: none"><li>• Switch to manual steering</li><li>• Check guiding line for errors (points very close together)</li><li>• Choose new guiding line</li></ul>
Target close	<ul style="list-style-type: none"><li>• Decrease velocity or deactivate TargetPilot or select different target</li></ul>		
Target lost	<ul style="list-style-type: none"><li>• Closely monitor track control system for correct operation</li></ul>	Watch alarm: Take control	<ul style="list-style-type: none"><li>• Acknowledge alarm by switching to manual steering.</li><li>• Activate Trackpilot mode again</li></ul>
Trackpilot switched off	<ul style="list-style-type: none"><li>• Activate Trackpilot again if required</li><li>• Check correct function of all devices</li></ul>		
Velocity low	<ul style="list-style-type: none"><li>• Increase velocity</li><li>• Acknowledge warning</li></ul>		
Watch alarm: Activity required	<ul style="list-style-type: none"><li>• Move Track or click any button on the touch display</li></ul>		