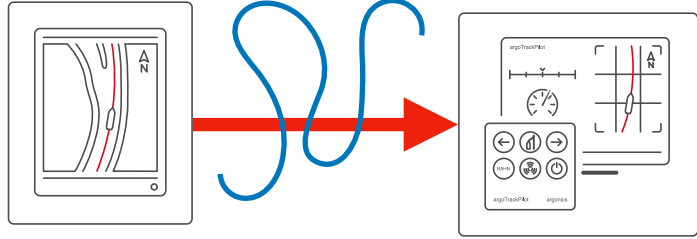


argoTrackPilot – quick start guide

Preparation

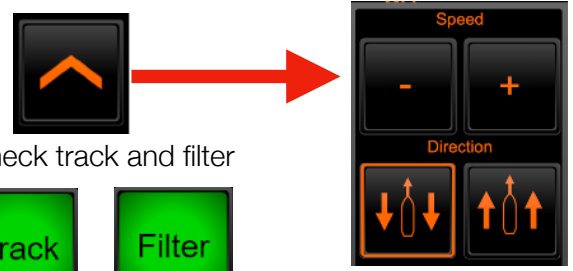
1. Choose track from ECDIS or in Trackpilot



2. Choose profile



3. Set stream velocity



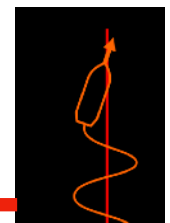
4. Check track and filter



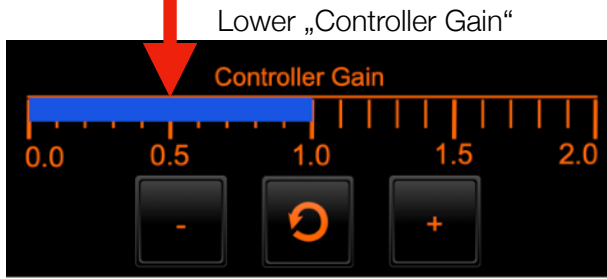
5. Turn on trackpilot mode

Oscillations

! Oscillations around guiding line



! Check stream settings

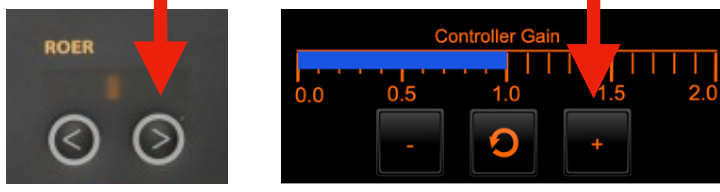
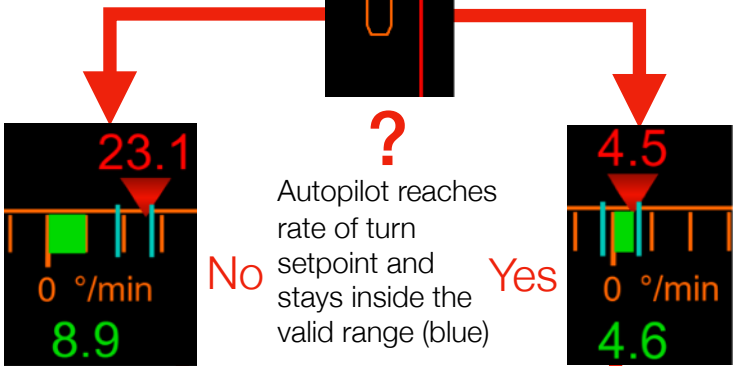


Test for a few minutes and adjust further if necessary

Permanent track deviation

! Permanent track deviation

! Check stream settings

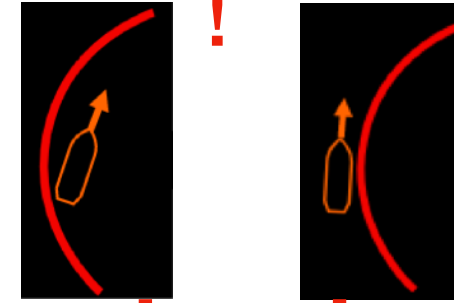


1. Increase „Rudder“ on autopilot
2. Increase „Controller Gain“ on trackpilot
3. Check rate of turn signal

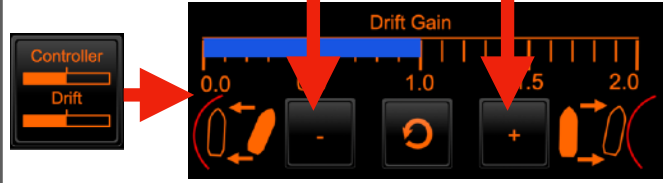
Deviation in curves

! Check stream settings

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



Change drift gain



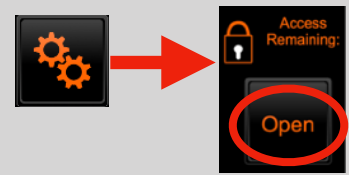
Test for a few minutes and adjust further if necessary

Miscellaneous

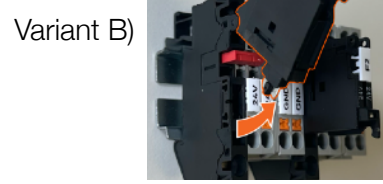
Checking system version



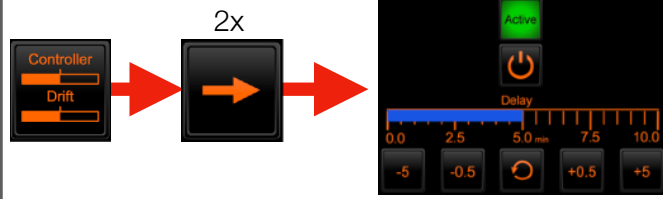
Open access for remote support



Restarting trackpilot (and touchscreen)



Watch alarm settings



Download manual



Customer support:
+49 711 25253721 argonics

argoTrackPilot – warnings and alarms

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