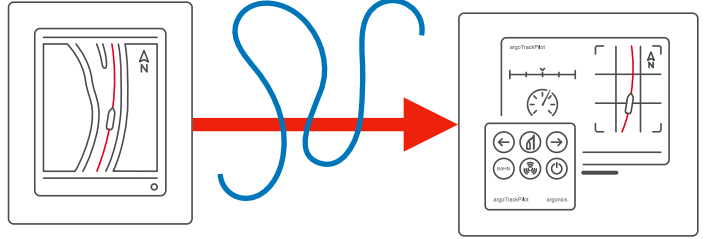# argoTrackPilot – quick start guide

Preparation
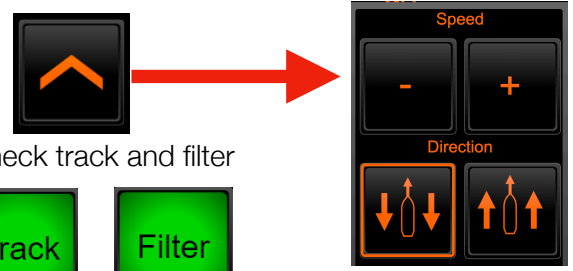
1. Choose track from ECDIS or in TrackPilot

2. Choose profile

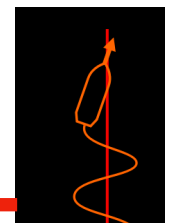| 2Reihe1 Reihe2	2Reihe1 Reihe2	3Reihe1 Reihe2	4Reihe1 Reihe2	5Reihe1 Reihe2
6Reihe1 Reihe2	7Reihe1 Reihe2	8Reihe1 Reihe2	9Reihe1 Reihe2	10Reihe1 Reihe2

3. Set stream velocity

Speed − +
Direction ↓↑↓ ↑↑↑

4. Check track and filter

Track **Filter**

5. Turn on trackpilot mode

Permanent track deviation

! Permanent track deviation
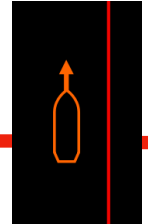
! **Check stream settings**
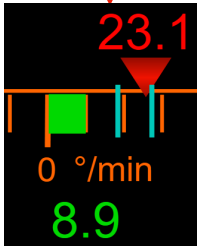
? Autopilot reaches rate of turn setpoint and stays inside the valid range (blue)

No ... 23.1 ... 0 °/min ... 8.9 ... **1.**

Yes ... 4.5 ... 0 °/min ... 4.6 ... **2.**

ROER ⟨ ⟩

Controller Gain
0.0 0.5 1.0 1.5 2.0
− ↻ +

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
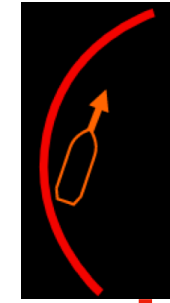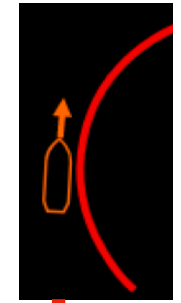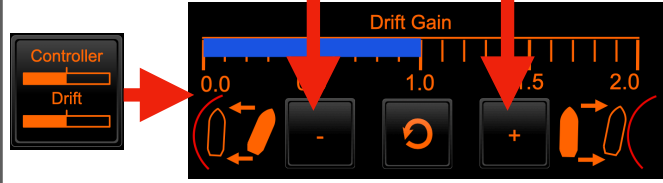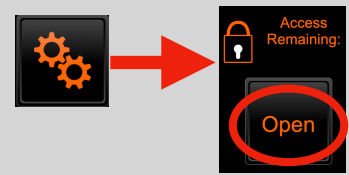
Controller / Drift

Drift Gain
0.0 1.0 1.5 2.0
− ↻ +

Test for a few minutes and adjust further if necessary

Oscillations

! Oscillations around guiding line

! **Check stream settings**

Lower „Controller Gain"

Controller Gain
0.0 0.5 1.0 1.5 2.0
− ↻ +

Test for a few minutes and adjust further if necessary

Miscellaneous

Checking system version

⚙ → ⓘ → **System version 3.1**

Open access for remote support

⚙ → Access Remaining: **Open**

Restarting trackpilot (and touchscreen)
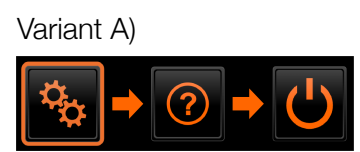
Variant A) ⚙ → ⓘ → ⏻

Variant B)

Watch alarm settings

2x

Controller / Drift → →

Watch alarm **Active** ⏻
Delay
0.0 2.5 5.0 min 7.5 10.0
−5 −0.5 ↻ +0.5 +5
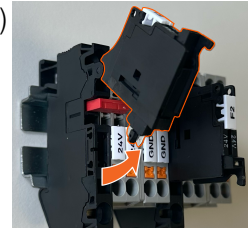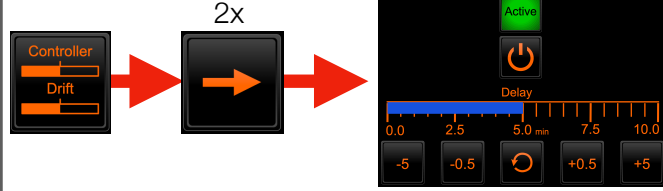
Download manual

Customer support:
+49 711 25253721 argonics

argoTrackPilot – warnings and alarms

Warning Name	Action
Close to end of track	• Switch to manual steering • Choose new guiding line
Position inaccurate	• Wait for the warning to disappear • If EstimationDegraded error comes up switch to manual steering
Distance to track large	• Check if the autopilot system processes the commands by the track control system • Acknowledge warning
GPS (2): No position received	• Acknowledge warning • Closely monitor track control system for correct operation • Increase attention • Wait if data comes back • otherwise switch to manual steering
GPS (2): No velocity received	• Acknowledge warning and closely monitor track control system for correct operation • Error persists after 10 minutes? ➡ Contact support, if nec. switch to manual steering
GPS (2): No heading received	• Acknowledge warning and closely monitor track control system for correct operation • Error persists after 10 minutes? ➡ Contact support, if nec. switch to manual steering
Velocity low	• Increase velocity • Acknowledge warning
Dead man warning	• Move Track or click any button on the touch display
Target close	• Decrease velocity or deactivate TargetPilot or select different target
Target lost	• Closely monitor track control system for correct operation
AIS: No data received	• TargetPilot active? ➡ Closely monitor track control system for correct operation Malfunction of AIS? ➡ immediately deactivate TargetPilot
Collision ahead	• Move current track • Wait until the ship has reached the shifted line
Power supply connected incorrectly	• Contact dealer/installer
TrackPilot switched off	• Activate TrackPilot again if required • Check correct function of all devices
End of SafetyContour ahead	• Select new safety corridor
PS/SB limit violated	• Move the track to keep the planned path within the safety corridor
No ROT received	• Check the correct function of all devices. • If this warning does not disappear by itself, contact support.
ECDIS / Alphatron Display: connection lost	• (Re-)Start the ECDIS / Alphatron Display. • If this warning does not disappear by itself, contact support.
AIS: Error - Contact support	• (Re-)Start the AIS. • If the warning does not disappear by itself, contact support.

Alarm Name	Action
Track too far away	• Switch to manual steering • Check if the correct guiding line has been chosen • Choose another line closer to the current position
End of track reached	• Immediately switch to manual steering • Choose new guiding line
Turn too sharp	• Switch to manual steering • Check guiding line for errors (points very close together) • Choose new guiding line
Rudder change too large	• 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
Position unusable	• 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
Dead man alarm	• Acknowledge alarm by switching to manual steering. • Activate TrackPilot mode again
Target too close	• Acknowledge alarm • Continue manually and increase distance to AIS target or deactivate TargetPilot
Target lost	• 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
Collision ahead	• 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
Autopilot connection lost	• Switch off immediately • Check correct function of all devices • Contact customer support
I/O: Error - Contact support	• Switch off immediately • Check correct function of all devices • Contact customer support
System Error 001/002/003 - Contact support	• Switch off immediately • Contact customer support