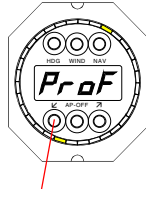


Profile Mode

The **Profile Mode** adds a Speed Profile to the Route in NAV or LAND Mode. The autopilot can read speed profile commands when these are coded into the waypoint names.



To engage PROFILE Mode: click the lower left button while in NAV or LAND Mode. Autothrottle Speed Mode will engage automatically.

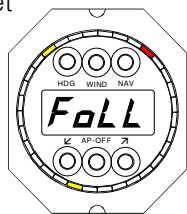
Note: waypoint data must be made available from the Plotter to the autopilot with a BWC sentence.

When selecting PROFILE Mode without the presence of profile commands in the waypoint name, the vessel will slow down and come to a halt in ANCHOR Mode at the upcoming waypoint. **Note:** with a negative number in the Antenna offset "AntE", the vessel will be tied up at the stern and reverse heading upon arrival at the way point, before settling on the buoy according to wind and current (not recommended).

Profile Mode may be cancelled by selecting Manual Throttle or by changing the Autopilot Mode.

AIS and ARPA Follow mode (automatic tracking behind another vessel)

Enable AIS or ARPA target data on Tecnautic Autopilot-Display by pressing (NAV + HDG) button together, starting with the NAV button.



The red NAV LED starts flashing, indicating that NAV data are not coming from a waypoint but the AIS target instead. To disable the FOLLOW Mode use the same button sequence again.

Target ID of the vessel to follow (MMSI number) must be inserted in the first line of the Autopilot Target List.

Verify displayed target bearing and distance on a Plotter.

Engage the autopilot FOLLOW mode by clicking the NAV button while the NAV LED is flashing red.

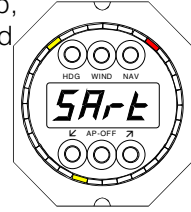
Use manual Throttles for speed control, or select PROFILE to activate Autothrottles, which will maintain zero closing speed. A closing speed other than zero can be selected with the Joystick and verified on the Autopilot Display.

Note:

The FOLLOW mode will be interrupted automatically when a SART or MOB target from the list becomes active.

AIS MOB and SART mode

When an AIS SART or MOB beacon *from the own crew* is received, the autopilot starts beeping (short double beeps), the red NAV LED flashes, "SART" is displayed and engines automatically go into idle and out of gear (once, at first signal). Optionally in the setup, yachts can be turned into the wind automatically.



If the MOB beacon sends its first signal immediately after activation, even before it has got a GPS fix, the vessel might only be 15 seconds away, until other crew members on board will be alarmed - long before the MOB target is shown on the plotter.

After the beacon sends its position, the digital display shows bearing and distance to the target and the message "SART".

If the alarm tone is not cancelled, automatic target tracking will start one minute after first reception. The automatic mode can be disabled in the setup, but may be activated any time with the red flashing NAV button. Initially the vessel turns towards the target and accelerates up to 6 kn, depending on distance.

The Autopilot will reduce speed and come to a halt at relative speed zero in front of the target, at 30 m (100 ft.) antenna distance. It will stay out of gear as long as the target remains within 50 m (170 ft), to permit a safe recovery. If the target drifts farther away, the Autopilot will home in again.

The automatic maneuver can always be interrupted by taking manual controls. It may be reengaged anytime with the red flashing NAV-button.

Without the installed Autothrottle System, someone has to take manual throttles.

To let the Autopilot recognize an MOB situation, the MMSI numbers of the on board SART and MOB beacons must be inserted in the Autopilot Target List.

A plotter is not required. If available, it will show the AIS SART or MOB target on the plotter and in addition an ARPA (radar) target, which represents the position used by the autopilot for AIS-tracking.

Route data from the plotter are not available as long as an AIS SART or MOB target from the Autopilot Target list is active.



Note:

There will be no automatic MOB or SART tracking out of Hover or Anchor Mode.