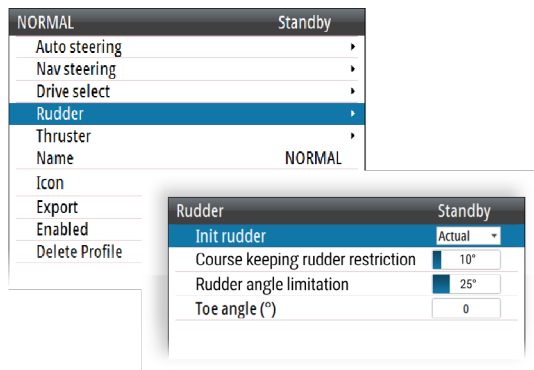


ADDENDUM for software release 2.1.0 - 64.4.44: AP70 MK2

This addendum documents new features that are included in this software release.

Rudder

Course keeping rudder restriction is now available on the **Rudder** settings menu. Previously, this was labeled as **Rudder limit**.



→ *Note: Non Follow up and Follow up modes are always limited to the absolute range of motion of the rudder as determined during rudder commissioning.*

Pendulum feature

The pendulum feature is intended for pendulum ferries where it is required to turn the heading 180° when the vessel is going «backwards».

The feature can be enabled in AP70 MK2 systems equipped with SD80 or AD80 boards, by connecting an external switch to one of the Handshake inputs. When the contact is closed, the heading from the main compass and the monitor compass will change 180 degrees.

→ *Note: The pendulum feature only works with NMEA 0183 heading inputs connected to the AC70 or SI80 by applying an offset to the heading read from the serial interface. All devices on the NMEA 2000 bus will receive the modified heading.*

Course keeping rudder restriction

Enable this to restrict rudder travel while the autopilot is on a steady course. Typical usage is to limit rudder actions in a following sea. When this limit is reached, a Rudder Limit (Course keeping) alert is raised.

→ *Note: Consider raising the course keeping rudder limit or take the helm if you are unable to comfortably maintain course without exceeding the course keeping rudder restriction.*

Rudder angle limitation

Limits rudder travel while in AUTO mode under all sea conditions. The rudder limits are displayed on the rudder indicator bar as grayed out zones which indicate inaccessible rudder angles.

