

NavPilot 500 Software History

Ver. 4.08 (3.08) Current version

- Eliminates course changes made by the pilot when connected to a magnetic compass. This rare bug may occur over distances of several thousand miles which causes sizable changes in magnetic fields.
**This symptom does not occur when heading source is a Gyro or Sat Compass.*
- Corrects the RMB output data sentence.
- Corrects the TTG (Time-To-Go to destination) data.
- Corrects True Wind speed and course value errors that occur when Relative Wind speed and course data is used as an input.
- Eliminates any sudden erroneous changes in the Magnetic heading value.

Ver. 4.07 (3.07)

- Reduce the max. Dead Band value in AUTO DB from 3.0 degree to 1.0 degree
- C/B Disconnect Error detection function is being activated only when B/C current is over 1.5A during the rudder test.
- To detect C/B Disconnect Error only when there is a Rudder Drive Error

Ver. 4.02 New PWR board-77

- Reduces noise problems with rush current.
- Prevent transistors in the motor-drive H-bridge circuit from being damaged.
- Ensure more stable operation of the motor-drive circuit.

Ver. 3.04

- Reducing rush current at the start of the pump operation
- Automatic Dead Band adjustment
- Zero Dead Band feature deleted to reduce the number of rudder movement
- Providing adequate H-bridge circuit drive timing to optimize a regenerative current

Ver.3.03

- Eliminates system generated Rudder Angle errors when rudder is set to hard-over point. (Problem only with ver. 3.02 software)

Ver.3.02

- Eliminates occasional rapid course changes.
- Eliminates the baud rate setting of the heading compass from changing to 38400 at random.
- Eliminates the rudder limit data from resetting to default value.
- Eliminates the NO CAL alarm from being generated at random.

Ver.3.01

- Added Wind mode
- Single press of arrow key allows you to dodge 5, 10 or 20 (menu selectable) degrees.
- "Rudder Wait" time adjusted for rush current prevention.

Ver.2.05

- Dockside setup and Sea Trial menu changed.
- Added RRU ALIGNMENT to make zero adjustment easier.
- "Adjustment Rudder Ref. Unit" is changed to RUDDER LIMIT SETUP.
- SET CENTER RUDDER POSITION is moved to RUDDER LIMIT SETUP.
- FURUNO RRU in Select RRU is changed to ROTARY SENSOR.
- COG and HDG display is added to help Calibrate the compass.
- RUDDER DB is added to enter rudder Dead Band manually or automatically.
- "Receiving Sentence" in system setup is changed to INCOMING NMEA0183 DATA.
- NAV mode is selectable with out GPS information (Although it will alarm).
- FU remote steering mode is available in STBY mode.

Ver.2.04

- Added the following languages: English, French, Spanish, Portuguese, German, and Italian.

Ver.2.03

- Eliminates the processor from constantly resetting due to CPU temperature.

Ver2.01

- Turn mode is improved.
- Eliminates the NFU lever working as a FU in the auto mode.
- Eliminates the following: When the remote controller is switched off, the NavPilot turns back to the previous course, even if "present" is selected in the menu.
- Rudder angle at Rudder test is up to 10 degrees.
- Calibration of PG-500 can be done manually from the NavPilot.
- NMEA source for NAV mode can be changed by long pressing the NAV key.
- Units of Orbit mode can be selected between yards, meters and NM.
- Name of Clover Leaf mode is changed to Figure Eight mode.
- NMEA sentences currently being received are highlighted.
- AUTO and NAV modes can be Selected after Dockside Setup menu is selected.
- XTE alarm or "INTO" alarm is deleted.
- Watch alarm is factory-set to OFF.
- Rudder DB threshold is changed from 1 degree to 1.5 at rudder test.
- NO SPEED DATA alarm message appears at AUTO and NAV modes but not standby mode.
- Long pressing of the AUTO key switches between AUTO and ADVANCED AUTO.

Ver.1.07

- A 12V pump-set can be connected to a 24V set.
- Spiral Option is added in the Turn mode.
- Teleflex linear sensor can be connected.