

HR Processor software development

- V1.9
 - Addition of channel true heading and true Wind Direction
- V2.0
 - Calculation of the wind direction over ground
 - Calculation of the wind speed over ground
 - Auto-detection of the 3D hull (V1, V2, compass Regatta, KVH)
 - Management of the offsets in mode heading CAP MAG2 (KVH or NMEA)
 - Addition of the function of the Regatta compass Autocompensation
 - Addition of filtering of heading, roll and pitch in the Regatta compass
- V2.1
 - fixed bugs
- V2.2
 - Management of the degraded mode boat speed. If boat speed US not locked, calculation on speed over ground and display "Pan".
 - Authentication of the elements of the Topline bus to the creation of the list. If the firmwares are not update, non-startup of the Processor
 - Change in the handling of the blue led V2.3
 - Limitation of calculating angle of heel up to 60 °
 - Limitation of calculating pitch angle up to 40 °
 - Adding an error message when data 3DH is outlier
- V2.4
 - Compatibility with the Topline GPS
- V2.5
 - Compatibility with the latest firmware of the V2 3DH
 - Correction sign on the pitch
 - Addition of multifunction graphic authentication
- V2.6
 - Correction of the loss of a NMEA source after a timeout (e.g. during a stall GPS)
- V2.7
 - Addition of identifiers of the wifi interfaces
 - Quick scan of the Multifunction graphic for the Gyropilot

➤ V3.2

- Fixed a bug on the noise-free wind.
- Coefficients noise-free wind, to settle in "Constant" following the compass sensor:

Coef1 : attitude filter

Coef2 : AVA filter

Coef3 : Pitch coef.

Coef4 : Roll coef.

Default setting

Coef1 = 10

Coef2 = 7

Coef3 = - 1

Coef4 = 1

3DH_V2 (optimized)

Coef1 = 6

Coef2 = 3

Coef3 = - 1

Coef4 = 1

KVH (optimized)

Coef1 = 4

Coef2 = 3

Coef3 = -0.76

Coef4 = 0.76

- V3.7
 - Evolution of the pilot HR algorithms for a better piloting
 - New piloting mode “Rafale “ and “Surf”.
 - Compatibility with 3D Fusion
 - Correction of the Crash Processor when the baudrate NMEA is badly configured
 - Not compatible with Saitune V2.1
 - Addition a license key for Pilot HR

- V3.9
 - Compatibility with 3D sensor V3
 - Compas calibration integrate on the processor web page (for 3D Sensor V3)
 - Compatibility with Paddle Wheel
 - Fixed pilot mode change (without disengaging by pressing auto to confirm the mode)