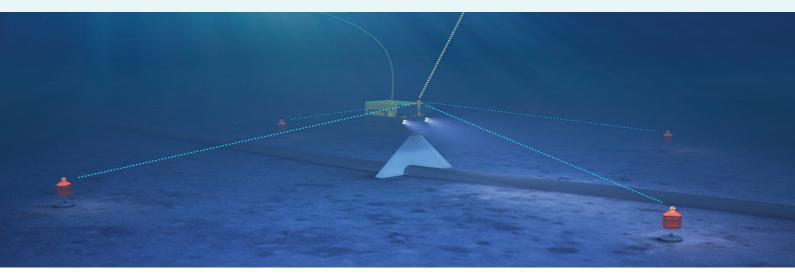# HiPAP 4

Software Release Note

User description on new functions and improvements for HiPAP/μPAP Transceiver software.

Last software version is HiPAP 4.6.2 -12. June 2024 for Win7/10

Release Description

HiPAP Release 4.6.2 – 12. June 2024

New functions
- Cymbal Ultra telemetry.
- Changed Cymbal Ultra wakeup sequences

Improvements
- HiPAP 502P corrected IP address for power unit
- Better handling of High Temperature state in PSU

Release History

HiPAP Release 4.5.0 – 12. May 2022

New functions
- Added support for PSXN.20 NMEA attitude format.
- Added support for Tagged Interrogation for multi-user of cNODE's.
- Improved robustness of GateValve operation - prevent premature stops

Improvements
- Updated wakeup and sub-band frequencies for Cymbal Ultra.
- Attitude settings from APOS did not always update correctly.
- TSS1 and TSS3 were not processed correctly at low baud rates over serial line.

HiPAP Release 4.4.0 – 1. June 2021

New functions
- Support for Lind Beacon – 45kHz

Improvements
- Automatic restart of application in case of error that caused HiPAP to stop positioning.
- Beacon now works with BPC and ACO.
- Roll, pitch and heading compensation of lever arms for built in sensors improved.

HiPAP Release 4.3.5 – 24. March 2021

New functions
- Added support for TSS1 attitude format.
- Beam compensation - BPC (HiPAP350 only).
- Added support for ACO compensation.
- Support for µPAP 201 H-NEL

Improvements
Executes a power ON/OFF cycle after generating System Report to reset electronic fuse.

HiPAP Release 4.2.2 – 10. Oct 2020

New functions
- NA

Improvements
- Corrected lever arm compensation for portable systems with tilted transducer.
- System Report: changed voltage heading depending on HiPAP type.

HiPAP Release 4.1.1 - 17. Mars. 2020

New functions

- Extended support for MultiPing features
  - Responder
  - SSBL interleaved operation
- New Hull Unit Controller
- Updated Offset View
- System Report as '.pdf'
- Cymbal Ultra, including wakeup

Improvements
- NA

HiPAP Release 4.0.2 - 27. Mars. 2019

New functions
- Enable reading of PSU voltage and temperature (x82)

Improvements
- Tested for Win10

HiPAP Release 3.5.4 - 17. Nov. 2017
New functions
- NA
Improvements
- When no reply was present on one transponder in the LBL array, no position was computed and no position telegram sent to DP.

HiPAP Release 3.5.3 - 29. June 2017
New functions
- Added support for HiPAP 200
Improvements
- NA.

HiPAP Release 3.5.2 - 27. June 2017

New functions

- NA

Improvements

- Fixed a problem with receive filters for Remus channels on HiPAP 502.
- Improved startup when transceiver network is disconnected.

HiPAP Release 3.5.1 - 25. April 2017

New functions

- NA

Improvements

- Fixed memory leak that could cause system to stop.

HiPAP Release 3.5.0 - 27. March 2017

New functions

- Improved range accuracy for Cymbal (M channels) and FSK (B channels.)
- Added support for FSK channel B33 and B44

Improvements

- Fixed a problem with receive filters for Remus channels on HiPAP 502.
- Improved robustness for cymbal transponder channels