



## Software Release Note

User description on new functions and improvements for HiPAP/ $\mu$ PAP Transceiver software.

Last software version is HiPAP 4.5.0 -12. May 2022 for Win7/10

### Release Description

#### 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.

## Release History

### 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  $\mu$ PAP 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