



Product: Seapath 300 series, Seapath 130 & Seapath OEM

Version: ProductSW version 2.03.01

Date: 2025.06.26

Release note – Product Software

This Release Note applies to the Seapath 300, Seapath 320, Seapath 330, Seapath 380, Seapath 385, Seapath 130 and Seapath OEM products. This Seapath Product Software release is an update from previous version 2.02.01. The new release comprises the following software:

- Operator software version 8.10.02
- NAV Engine version 4.35.01

For this release the following additional software is used:

- Linux image version: ELinOS 2023-0118
- GNSS version: OEM7 v.7.09.00
- Fugro HP library: 8.47a
- Win10e version 6.02
- RinexConverter version 2.00.02

For this release the following hardware is supported:

- Processing Unit HW:
 - HWP2010 w/OEM7700/719, ELinOS 6.2
 - ISP2020 w/OEM7700, ELinOS 6.2
 - Seapath OEM, ELinOS 6.1
 - Seapath 130, ELinOS 6.1
- HMI Unit HW:
 - HWP2010 1U, Win 10/Win Embedded
 - MC340, Win 10
 - MC360, Win 10

New functionality

- NTRIP client functionality, the functionality can only be enabled through the advanced configuration and details are described in the installation manual.
- Fugro HP lib is updated and support for XP3 is enabled
- The magnetic variation table is updated
- GNSS heading Multi frequency support, implemented to improve the GNSS heading accuracy by up to 20%. Can be enabled by contacting customer support.
- Support for MGC R5 is added
- A new algorithm is added to improve Heading performance between GNSS based heading and high end MGC units (R3, R4, R5)
- Extended support for new frequencies into RTCMv3 and align with Rinex standard
- The following data formats have been added, that can be enabled from advanced configuration:
 - NMEA PTNL,GGK
 - NMEA GGK
- RinexConverter: Added support for Rinex Version 4

Resolved issues

- Moxa NPORT driver has been updated for full functionality on ISP 2020 and HWP 2010 based products
- Corrected issue that could result in no data for port monitoring
- MGC R4 reduced performance is now solved
- Led lights for 1U HMI unit now indicate correct color

Software upgrade

Upgrade of both HMI and NAV Engine is supported from an USB memory stick. To upgrade a Seapath 300, 320, 330, 380 or 385 product to latest software, proceed as follows:

Disclaimer

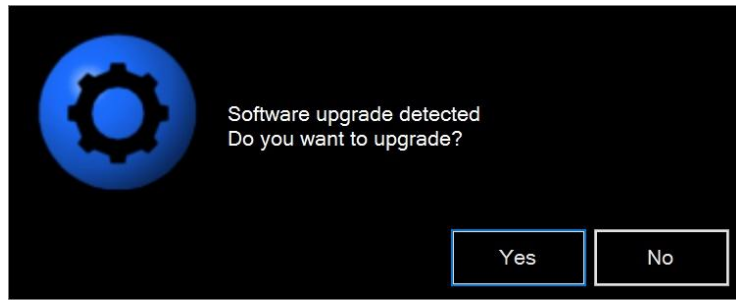
This update should not be performed during, or prior to, critical operations. The system will be offline for the duration of the upgrade, thus no outputs will be available for external equipment. After the update has been completed the system should be allowed in monitoring mode, and not utilised for operations, for at least four hours to ensure proper operation. The system should be monitored closely after the update. If any doubt about the performance of the system, please do not hesitate to contact the service department at Kongsberg Discovery, Seatex. The update must be done in accordance with Kongsberg Discovery, Seatex' procedures (Installation manual, release notes etc.) and is done at the customer's own risk.

Note! *When upgrading from version older than 2.01.00, you must first upgrade to version 2.01.00, before upgrading to this version. See the Release Note for version 2.01.00 for how to proceed with migration of the software to new version of the Operating System (OS).*

Software Upgrade

1. Perform a system configuration backup by selecting **Copy configuration** from the **Tools** menu. It is recommended to run this program twice; once with a memory stick as the target and once with a folder on the Seapath hard disk as the target.
2. If you have received a Seapath system upgrade memory stick from Kongsberg Discovery, please continue from step 4.
3. Extract the Seapath.zip received via email from Kongsberg Discovery to the root folder of a USB memory stick. Verify that the memory stick contains a folder named Seapath in the root directory after extraction.
4. Insert the USB memory stick to the USB port in front of the Seapath HMI Unit.
5. The following message will appear in the upper left corner of the screen:

For further questions or information, please contact Kongsberg Discovery Customer Support, direct on telephone +47 33 03 24 07 or by e-mail **support.seatex@kd.kongsberg.com.**



6. Click **Yes** to run the software upgrade.
7. The upgrade system will now inform about the versions involved. Click **Install** to start the upgrade.
8. The following message is displayed:



***Caution:** If the memory stick is removed before prompted by the system, the upgrade will fail and leave the Seapath system in an indeterminate state.*

9. Seapath software upgrade will now start, and progress information will be updated in the dialog throughout the process. Follow the instructions on the screen. Do not respond to any other messages appearing on the screen, than the one in the upgrade dialog box.
10. The upgrade requires a restart of both the Processing and HMI Unit. The Processing Unit and HMI Unit will automatically reboot when needed.
11. After the reboot, the Seapath is up and running on the new software version.