Inertial Software Dev Kit

Change-log v6.2

1. Summary

This Software Development Kit Release adds support to new ELLIPSE Series 3 and comes with the latest ELLIPSE firmware.

This update also includes the latest tools, drivers, documentations, and C code samples as well as improved performance and reliability.

2. Import highlights from this release

- Added support for all ELLIPSE Series 3
- Includes the latest ELLIPSE 1 & 2 firmware 1.9
- Updated sbgECom to version 2.0
- Reworked High Performance INS operating handbooks

3. Upgrade Procedure

The latest Inertial SDK version can be downloaded from the SBG Systems support center web area.

In addition, if you already have an installed SDK, the sbgCenter will inform you to download the latest version available.

4. Changes for release 6.2

4.1. New Features

- [INSDK-102] - Added ELLIPSE v3 Development Kit hardware manual
- [INSDK-103] - Added ELLIPSE A/E OEM v3 enclosure 3D STEP files

4.2. Improvements

- [INSDK-96] - Updated firmware reference manual to version 2.2
- [INSDK-97] - Updated sbgCenter to support ELLIPSE v3 OEM
- [INSDK-98] - Updated ELLIPSE v3 hardware manual
- [INSDK-99] - Updated ELLIPSE v3 firmware to version 2.1.94-stable
- [INSDK-100] - Updated Navsight HW manual

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- [INSDK-101] - Updated sbgECom library to version 2.1.142-stable

5. Changes for release 6.0

5.1. New Features

- [INSDK-78] - Added ELLIPSE Micro DK board 3D step model
- [INSDK-79] - Updated ELLIPSE 1 and 2 firmware to version 1.9.1425-stable
- [INSDK-80] - Added support for new ELLIPSE Series 3

5.2. Improvements

- [INSDK-81] - Updated sbgFirmwareUpdater to version 4.0.38-stable with ELLIPSE Series 3 support
- [INSDK-82] - Updated sbgCenter to version 3.0.12-stable with ELLIPSE Series 3 support
- [INSDK-83] - Updated sbgECom C library to version 2.0.4536-stable
- [INSDK-84] - Updated Firmware Reference Manual to version 2.1
- [INSDK-85] - Updated ELLIPSE Operating Handbooks
- [INSDK-86] - Updated Technical Reference Manual to 1.4
- [INSDK-87] - Updated ELLIPSE Quick Start Guide for ELLIPSE Series 3 support
- [INSDK-88] - Updated High Performance INS Operating Handbooks
- [INSDK-89] - Updated ELLIPSE soft/hard iron magnetic calibration application note
- [INSDK-90] - Updated Quanta hardware manual to version 1.2
- [INSDK-91] - Updated Navsight Quick Start Guide
- [INSDK-92] - Updated EKINOX/APOGEE Quick Start Guide
- [INSDK-93] - Updated QUANTA Quick Start Guide
- [INSDK-94] - Updated ELLIPSE Micro Quick Start Guide

6. Changes for release 5.0

6.1. New Features

- [INSDK-66] - Updated sbgCenter to version 2.9.252-stable
- [INSDK-67] - Updated ELLIPSE firmware to version 1.7.1438-stable
- [INSDK-68] - Added QUANTA documentations
- [INSDK-69] - Updated product firmware reference manual
- [INSDK-70] - Updated sbgECom to version 1.11.920-stable
- [INSDK-71] - Updated operating handbooks for Survey grade products
- [INSDK-72] - Added CAN DBC and BusMaster database
- [INSDK-73] - Added Navsight Ekinox-I and Apogee-I 3D models
- [INSDK-74] - Updated APOGEE hardware manual for new v2 hardware
- [INSDK-75] - Add EKINOX hardware manual for hardware revision 3

6.2. Improvements

- [INSDK-76] - Removed serial key license check for Inertial SDK installation
- [INSDK-77] - Updated USB to UART driver to version 2.12.28

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7. Changes for release 4.3

7.1. New Features

- [INSDK-54] - Add support for Navsight product line with documentations
- [INSDK-55] - Add support for ELLIPSE-D new hardware 2.x with updated GNSS receiver
- [INSDK-56] - Updated sbgCenter to revision 2.8.62-stable to support latest products and firmware
- [INSDK-57] - Updated sbgECom library to revision 1.10.3692-stable
- [INSDK-58] - Updated Firmware Reference Manual to version 1.8
- [INSDK-59] - Updated ELLIPSE firmware to version 1.6.881-stable
- [INSDK-60] - Updated EKINOX and APOGEE firmware to v2.0.394-stable

7.2. Improvements

- [INSDK-61] - Updated ELLIPSE Operating Handbooks
- [INSDK-62] - Updated Ekinox & Apogee Operating Handbooks
- [INSDK-63] - Added Qinertia Post Processing Operating Handbooks
- [INSDK-64] - Updated sbgPostProcessExporter to support new Navsight IMU short logs

7.3. Bug fixes

- [INSDK-53] - Updated sbgFirmwareUpdater to fix potential issues during ELLIPSE firmware update

8. Changes for release 4.2

8.1. Bug fixes

- [INSDK-52] - Updated sbgCenter to version 2.7.165-stable

9. Changes for release 4.1

9.1. New Features

- [INSDK-39] - Updated SplitBox User Manual to version 1.2
- [INSDK-40] - Updated Firmware Reference Manual to version 1.7
- [INSDK-41] - Updated EKINOX and APOGEE firmware to v2.0.297-stable
- [INSDK-42] - Updated EKINOX2 Subsea hardware manual
- [INSDK-43] - Updated Bonjour to version 3.1.0.1
- [INSDK-44] - Updated ELLIPSE firmware to version 1.5.240-stable
- [INSDK-45] - Updated sbgCenter to version 2.7.153-stable
- [INSDK-46] - Updated Technical Reference Manual to version 1.3
- [INSDK-47] - Updated ELLIPSE Micro Quick Start for M2 option
- [INSDK-48] - Updated ELLIPSE Micro Hardware Manual to version 1.1
- [INSDK-49] - Updated sbgECom library to version 1.9.706-stable

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10. Changes for release 4.0

10.1. New Features

- [INSDK-30] - Updated ELLIPSE firmware to version 1.5.224-stable
- [INSDK-31] - Added support for ELLIPSE Micro product line
- [INSDK-32] - Added support for EKINOX2 product line
- [INSDK-33] - Updated documentations to latest revisions
- [INSDK-34] - Updated sbgECom to version 1.8.2916-stable
- [INSDK-36] - sbgCenter change log is now accessible directly from the application help menu
- [INSDK-37] - Added firmware change logs in the documentation folder
- [INSDK-38] - Updated sbgCenter to version 2.6.115-stable

11. Changes for release 3.6.1

11.1. New Features

- [INSDK-28] - Updated ELLIPSE firmware to version 1.3.97-stable
- [INSDK-29] - Updated sbgCenter to version 2.4.96-stable

12. Changes for release 3.6

12.1. New Features

- [INSDK-25] - Added brand new sbgNetworkDiag version 1.0.71-beta
- [INSDK-24] - Added support for new ELLIPSE2 hardware
- [INSDK-23] - Updated ELLIPSE firmware to version 1.3.85-stable
- [INSDK-22] - Updated sbgCenter to version 2.4.92-stable
- [INSDK-20] - Updated sbgECom to version 1.7.235-stable
- [INSDK-17] - Added driver to support new ELLIPSE USB to Serial Converters

12.2. Bug fixes

- [INSDK-21] - Fixed invalid driver installation during the setup
- [INSDK-19] - Improved code signing to avoid installation issues when no internet connection is available
- [INSDK-18] - Fix invalid file association for sbgCenter recording files .sbg

13. Changes for release 3.5.0

13.1. New Features

- [INSDK-10] - Added new tool to change network settings for Ekinox & Apogee (sbgNetworkDiag)

13.2. Bug fixes

- [INSDK-9] - Fixed improper new SDK version checker within the sbgCenter

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13.3. Tasks

- [INSDK-16] - Updated all documentations organization with unified Technical Reference Manual and Hardware Manuals
- [INSDK-15] - Updated sbgECom library and examples to version 1.5.209-stable
- [INSDK-14] - Updated sbgPostProcessExporter to rev 1.2.3791 to support larger raw GNSS data and bug fixes
- [INSDK-13] - Added SplitBox User Manual and 3D models
- [INSDK-12] - Added Apogee User Manual and 3D models
- [INSDK-11] - Updated sbgCenter to rev 2.2.183 for Apogee support, bug fixes and new features

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