Ekinox AHRS & INS

High Performance Inertial Systems

Quick Start Guide

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SBG SYSTEMS

Following instructions will help you to start quickly with your new Ekinox Device. Please read and follow it carefully before plugging the device or installing software.

Content of a development Kit

- A Waterproof transport case
- This quick start guide
- An Ethernet cable
- A 110/220V AC-DC International power supply adapter
- A USB Stick containing
  - sbgCenter analysis tool
  - sbgUpdater tools
  - sbgECom C library
  - Sample codes in C
  - Full documentation including Firmware reference manual and User manual

Depending on options, some additional items may be included, such as GPS antenna or cables.

Software development Kit Installation

- Plug the USB Stick
- launch the Inertial SDK executable
- follow the instructions.

Once installed, the Ekinox will be visible in your network thanks to the zero conf protocol,

Simply type the following address in your web browser:

http://ekinox_020000001.local. where 020000001 is your device serial number.

Note the final dot (.) in the http address.

For best experience, SBG Systems recommends the following web browsers to be used:

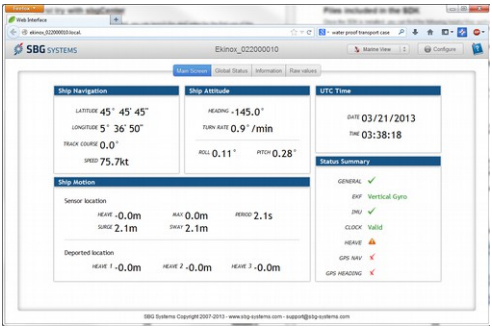
- Chrome / Safari
- Firefox
- Internet Explorer 9 or higher

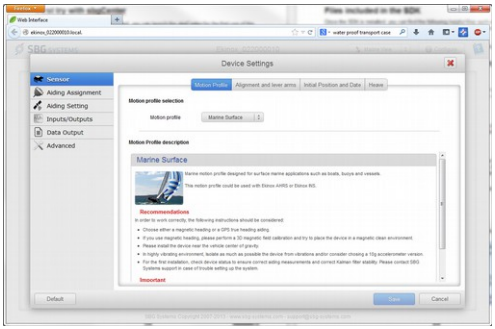
Getting Started with the Ekinox

There are several ways to make use of your new Ekinox. The most important ones are the following:

Configure through the Web interface

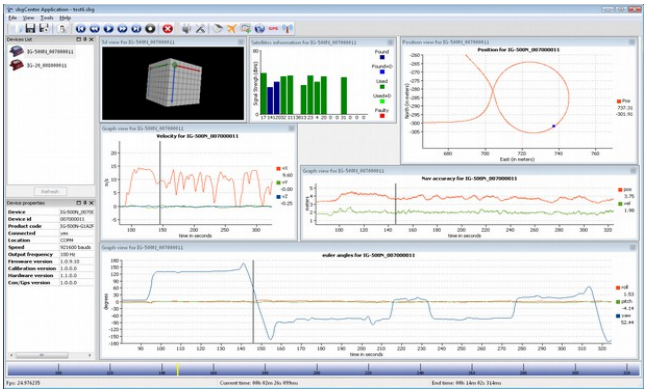
The web interface provide full access to the Ekinox device for information and configuration.





Record and Analyze with the sbgCenter

The sbgCenter allows to record logs and to analyze graphs of the data over time. It also provides data import and export features.



Communicate with the sbgECom library

A convenient way to interface an Ekinox with C programs is to use the sbgECom library. With simple C functions, you can retrieve the device's output very quickly. Library source code is provided with example to help you to start.

Interface with existing systems using NMEA and third party protocols

The Ekinox provide wide input / output options. NMEA protocol as well as other third party protocols support will ensure seamless integration into your application.

Find out more

You will find the full Ekinox documentation within this Development Kit:

The Ekinox User Manual provides deep information about your Ekinox features and explains in details how to install and use it.

The Ekinox Firmware Reference Manual provides low level protocol specifications as well as advanced features information.

Support

If you have any trouble or question with the use of the Ekinox, feel free to contact our support team:

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