

# — Ekinox AHRS & INS

Data-logging for support purpose

## Operating handbook



Document  
Revision

EKINOXOHDLS.1.1  
1.1 - Nov 18, 2013

Support

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*This brief document guides you in the process of making data logs for support purpose.  
Following properly those instructions will ensure fast and efficient support.*

## Step 1: Configuration

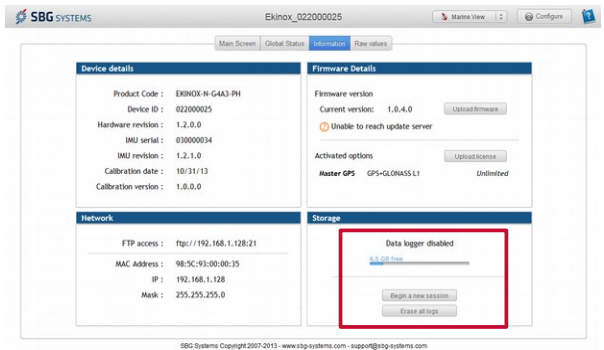
Data-logging is very easy on the Ekinox, thanks to the internal data-logger.

An 8GB internal memory allows up to 48h of data to be stored internally.

### Check Data-logger free space

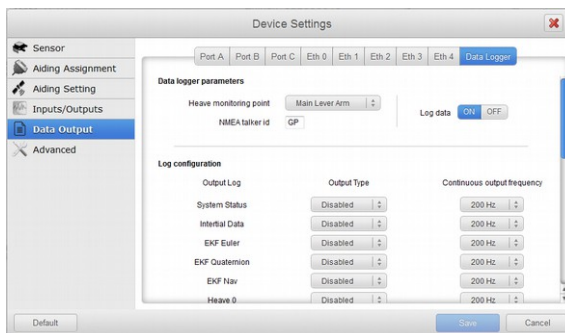
Free space should be more than half total internal memory.

In the case you need to free some space, please click on “Erase Logs” button.



### Set output logs

Configuration will be made on the web interface, in the Data Output → Data Logger section.



The following logs must be configured as defined below:

Log	Output Type	Continuous output frequency
System Status	Continuous	200 Hz
Inertial Data	Continuous	200 Hz
EKF Euler	Continuous	200 Hz
EKF Nav*	Continuous	200 Hz
UTC	Continuous	50 Hz
GPS1 Velocity*	New Data	-
GPS1 Position*	New Data	-
GPS1 True Heading*	New Data	-
GPS2 Velocity*	New Data	-
GPS2 Position*	New Data	-
GPS2 True Heading*	New Data	-
Odometer*	New Data	-

*\* Logs must only be considered if applicable.*

### Enable logger

Once configured, the data logger must be enabled as shown here:



After logging session, the internal data-logger can be turned off using the same button.

## Step 2: Start logging Run

Now the Ekinox is configured for data logging, you can start your tests within the nominal Ekinox environments. Data-logger interface does not need any special connection once configured.

## Step 3: Getting back the data

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In order to get back recorded data, connect the Ekinox on the network, and use its FTP address to download logs:

[http://ekinox\\_XXXXXXXXX.local](http://ekinox_XXXXXXXXX.local).

User name: **sbg**

Password: **pass**



Note that it's very convenient to have valid UTC time-stamping. It requires a GNSS system to be connected, with UTC time output.

## Support

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Feel free to contact us if you need any additional information.

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