Operating Handbook
IG-Devices Data-logging for support purpose

Document: IGDOHDLOG
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When dealing with harsh environments, users sometimes need advanced support from SBG Systems. With an internal "post-processing" tool, SBG Systems is able to provide the best parameter set for a specific application.

This only applies with serial devices (Product codes with P1-2-4).

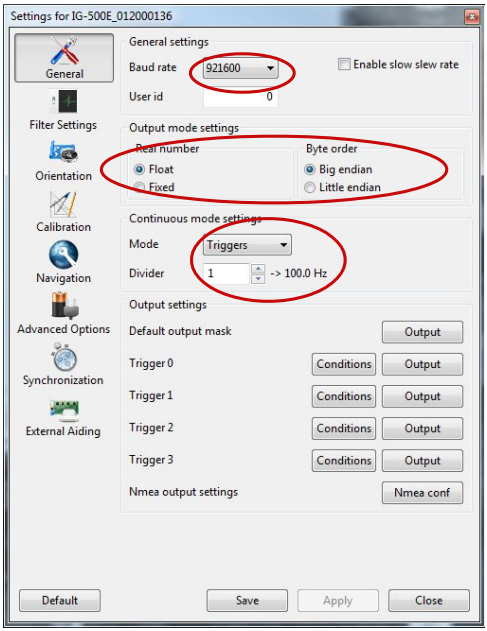
Configuration with sbgCenter

We first consider a configuration is made through the sbgCenter

Triggered output

This output mode is intended for transmitting data at a fixed rate:

Step 1: Set baudrate, output mode and triggered mode continuous mode:



Step 2:

Press **Apply** button and **Save** button to save settings in Flash memory.

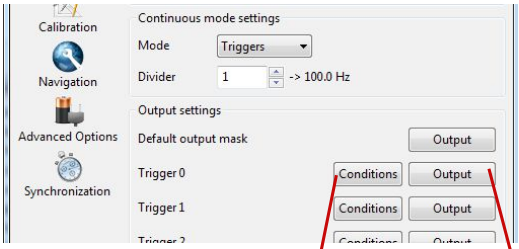
Triggered channels

Now we need to configure several trigger channels to provide required outputs.

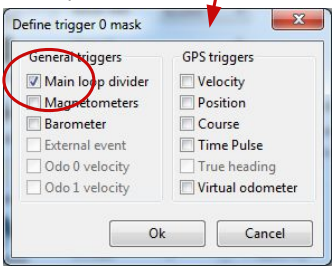
Once all these steps are performed, please apply and save configuration to flash memory.

Channel 0: All devices

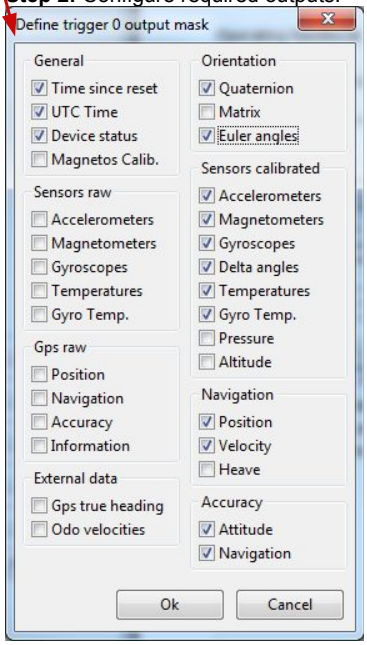
Step 1: Set triggered mode



Step 1: Set Output conditions:

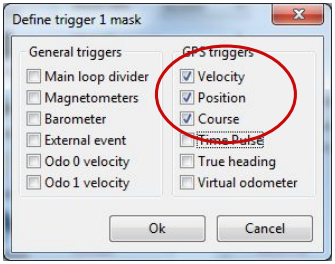


Step 2: Configure required outputs:



Channel 1: All IG-500N and IG-500E devices

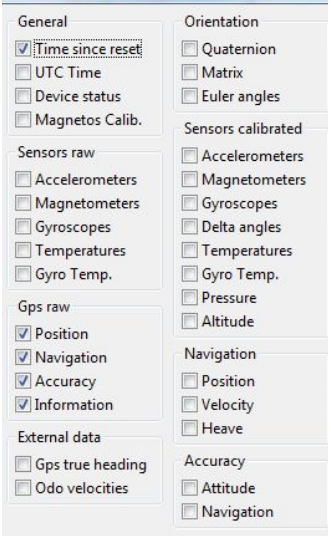
Step 1: Set Output conditions:



In most applications, we should set either:

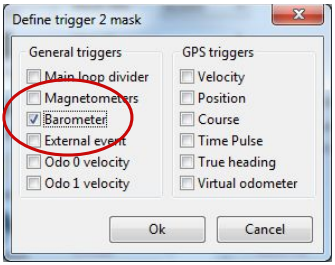
- main loop divider
- barometer for pressure reading
- Velocity, position and Course triggers together

Step 2: Configure required outputs:

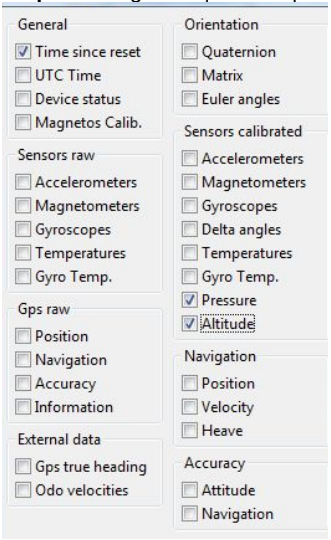


Channel 2: IG-500N devices only

Step 1: Set Output conditions:

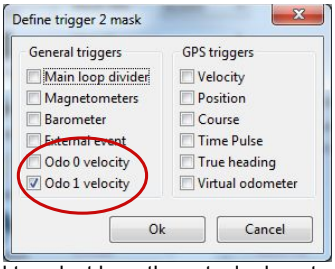


Step 2: Configure required outputs:



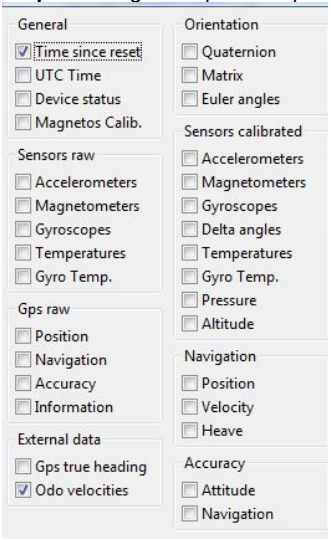
Channel 2: IG-500E devices with odometer aiding

Step 1: Set Output conditions:



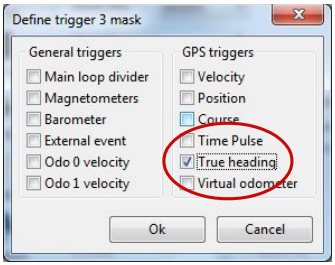
You need to select here the actual odometer channel in use.

Step 2: Configure required outputs:

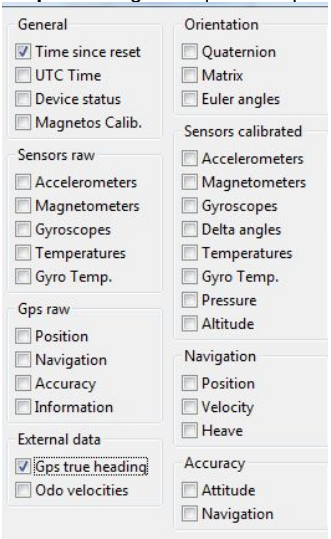


Channel 3: IG-500E devices with True Heading support

Step 1: Set Output conditions:

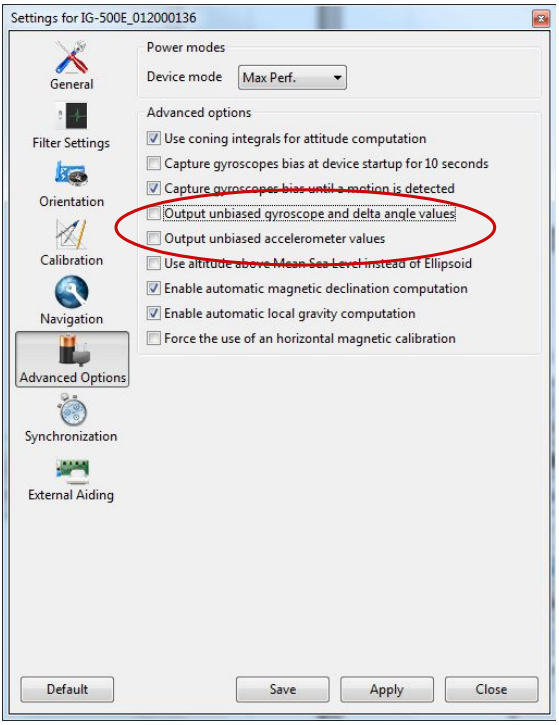


Step 2: Configure required outputs:



Advanced settings

Our post-processing requires the two following options to be **UNchecked.**



Actual data-logging

Once the sensor is properly configured, you can proceed to the datalogging.

It's possible either by using a raw binary log (all data coming through the serial port is written in a file), or using the sbgCenter (we only handle .sbg recording files).

Support

If you have any trouble or question with the use of the IG device, feel free to contact our support team by email, at support@sbg-systems.com.