

Operating Handbook

IG-Devices output configuration



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Default IG-Devices configuration does not include all possible outputs. When a graph displays "No data available" message, then the corresponding output has to be enabled.

Following instructions will help you to configure the IG-Device continuous or triggered output quickly.

This example shows how to enable a regular output, as well as a triggered output on both serial and CAN devices.

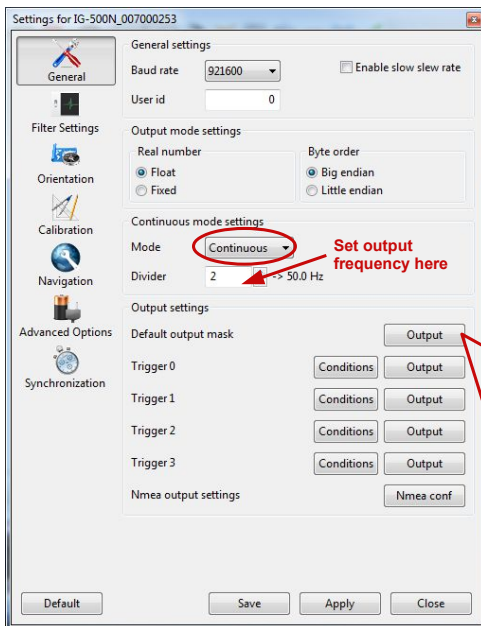
The sbgCenter is used to configure the products.

Serial devices (Product code -P1/2/4)

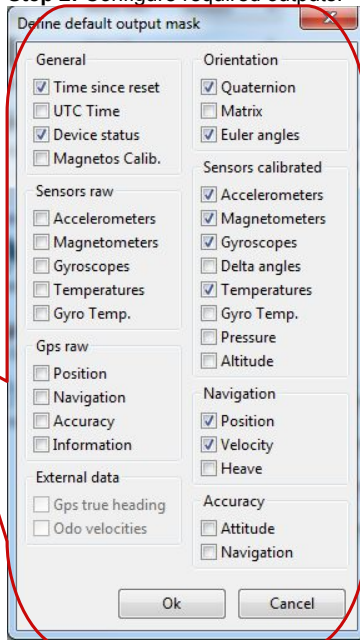
Continuous output

This output mode is intended for transmitting data at a fixed rate: (for example 25Hz, or 100Hz).

Step 1: Set continuous mode:



Step 2: Configure required outputs:



Step 3:

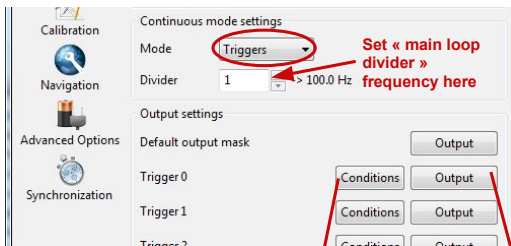
Press **Apply** button and **Save** button to save settings in Flash memory.

Triggered output

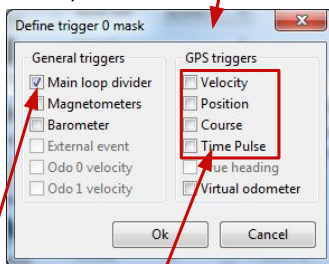
This mode is designed to get modular data outputs:

1. Periodic data, just as the continuous mode
2. Data updated when a new GPS raw data is available, or when an external event is received.

Step 1: Set triggered mode



Step 1: Set Output conditions:



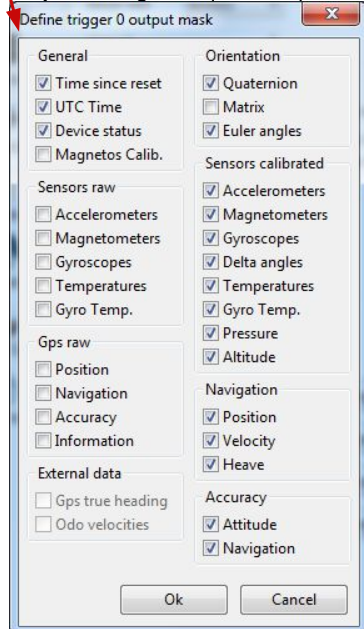
Same as
continuous mode

GPS Raw data
received

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:



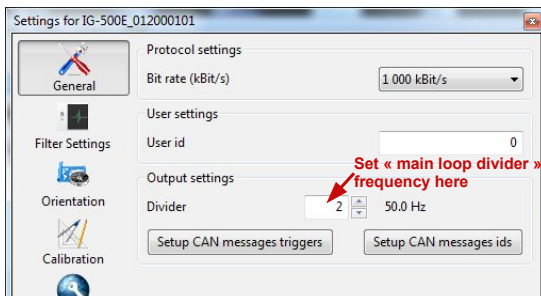
Step 3: Repeat Step 2 if other conditions are required and apply these on Trigger 1, 2 or 3.

Step 4: Apply and Save settings

CAN Devices (Product Code -P3)

CAN devices support different output conditions for each output message; Each output has to be configured independently:

Step 1: Configure the output rate (main loop divider)

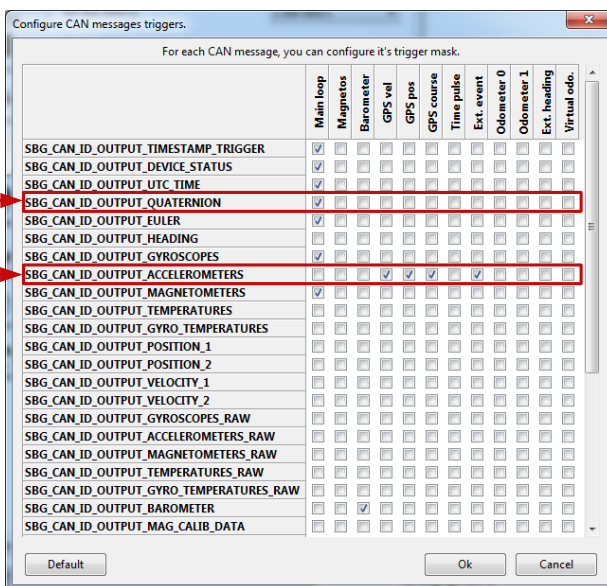


Step 2: Configure each desired output

Quaternion output is provided when a new main loop divider is triggered

Accelerometer output is provided when :

- o new GPS raw date is available
- o an external event (sync In) is received.



Step 3: Press "Apply" button, and Save button to save settings to flash memory.

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.