



Input Echo Utility

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We recently came across an issue while working with our LiDAR Payload. We wanted to be able to log a raw output from the SBG inertial positioning system that the user could import into the SBG Qinertia post-processing software. We had 2 issues with this:

- The device is serial. Without duplicating the serial port, the SBG Logger couldn't access the device at the same time as HYPACK® SURVEY.
- You need to collect data for 5 minutes to get a lock.

To solve this issue, I created the Input Echo utility. While it was created to solve this problem, it can work in other situations where we need to get Serial data to a UDP port that can be read by multiple systems and enables logging the raw data.

Input Echo Interface

Input from Device

Port to Survey

Raw File Output

To Use:

- You setup the connection to the **Input Device** just as you would in HARDWARE. This part is no different.
- The **Output to SURVEY** is UDP IP 127.0.0.1 and whatever port number you enter here.
- The **Split File Size** allows you to also split the file at a set size. When an output file reaches that size, the program starts a new output file, appending a number to the end of the file name.