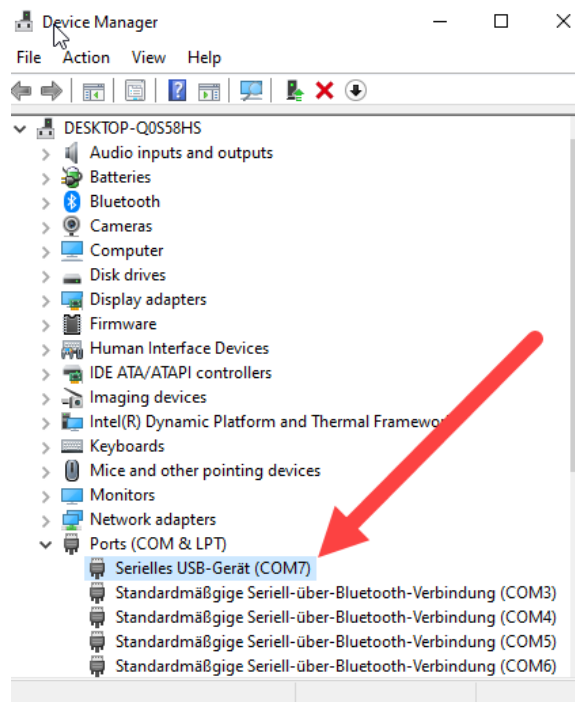


VERTEX Logger Communication Tool User Manual

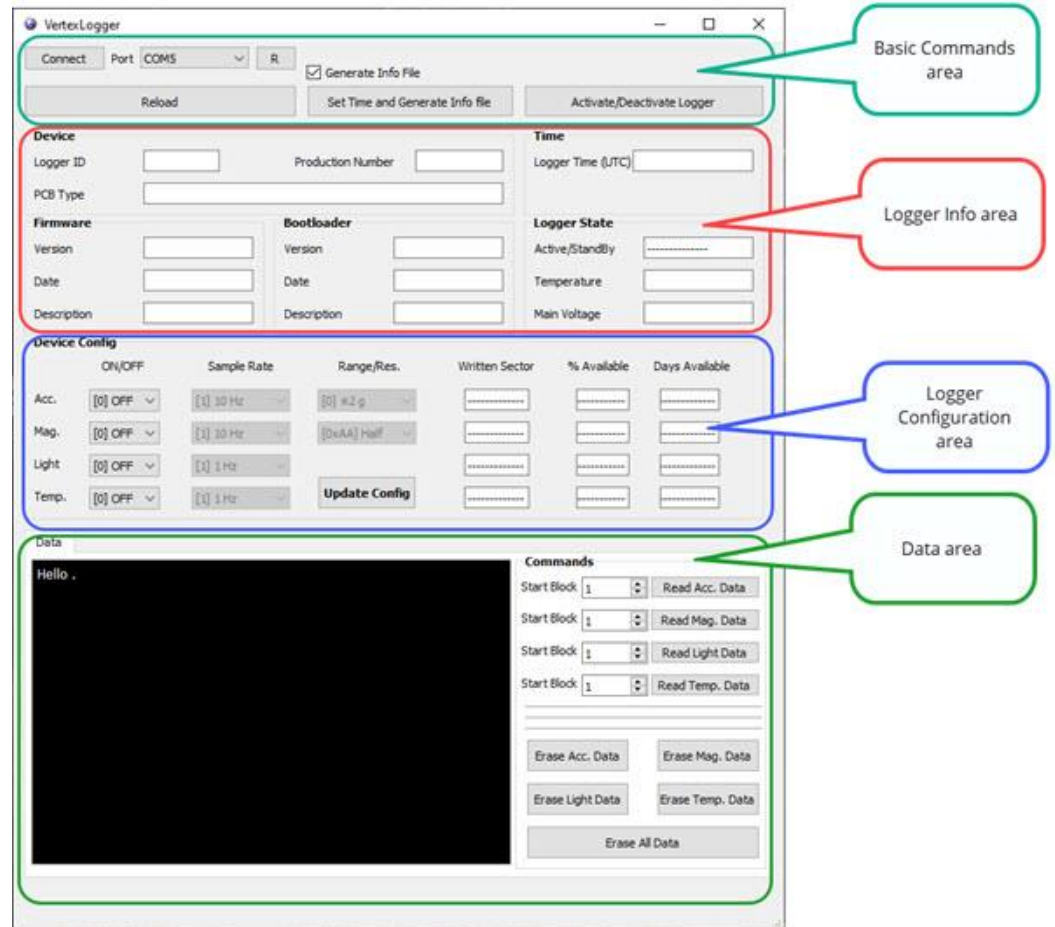
Download: <https://vectronic-aerospace.com/wildlife-downloads/...>

VECTRONIC delivers the Logger with its pre-defined configurations. Before deployment it only must be activated. The tool is to activate the Logger, view its information, change configurations and read/erase its data.

1. Download and extract the file folder.
2. Run Vertex_Logger_com_Tool.exe and go through the setup to install the tool.
3. Connect VERTEX Logger via USB-cable (USB to 4-pin header, delivered from VECTRONIC).
4. Open Device Manager and get Loggers COM-Port ID (COMx)

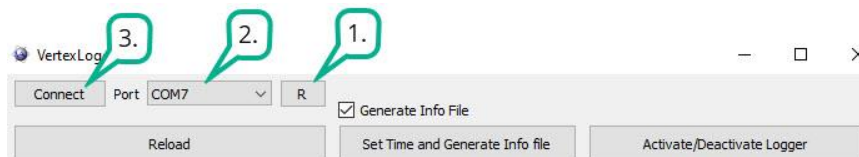


5. Tool Overview:



6. Connect Logger to the software (Basic Command area):

1. Press 'R' to update connected COM-Devices
2. Choose COM-Port
3. Press 'connect'



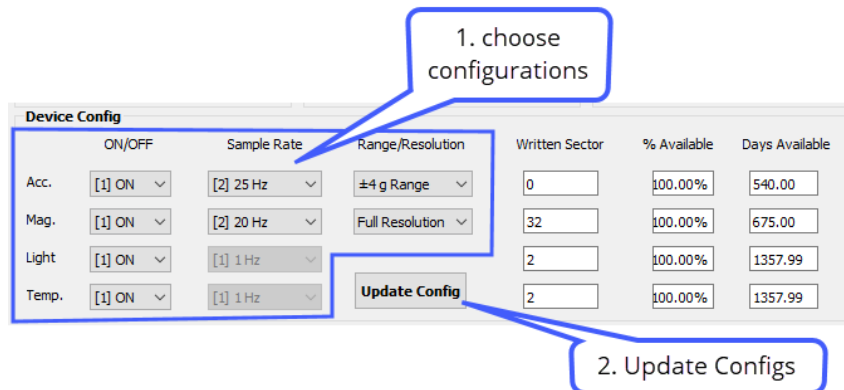
After successfully connecting the Logger, Logger's information and configuration are shown in the according area.

- Reload: Reloads Logger information.
- Set Time and generate Info file: Sets Logger time to current PC time. In case the checkbox 'Generate Info File' is selected, Logger's Info file with current configuration setup is stored in user's documents folder.

- Activate/Deactivate Logger: enable/disable data collect of the Logger.

Before you deploy the Logger: 'Press Activate Logger' and check whether the state 'active' is shown in the 'Logger Info area'.

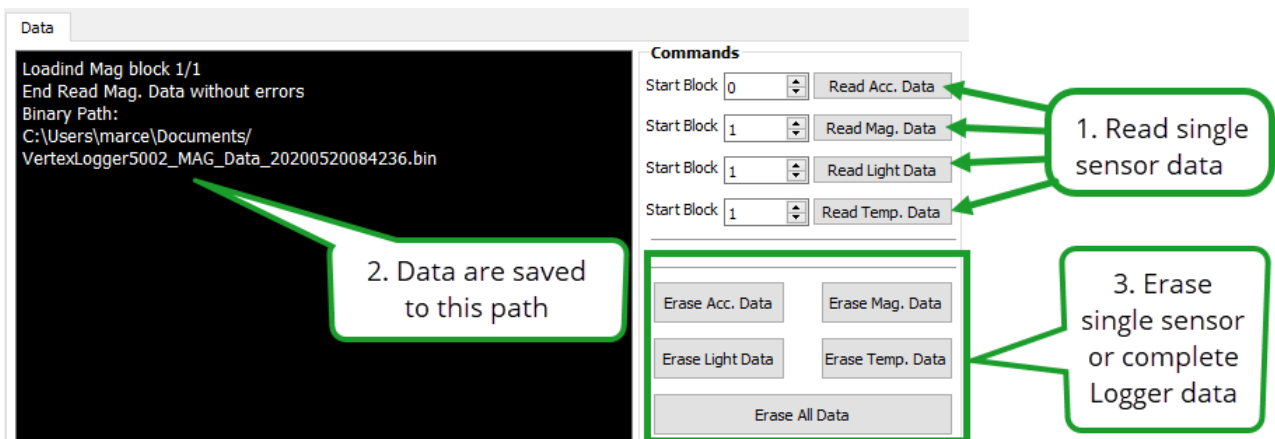
7. Logger Info area: Displays Logger information
8. Logger Configuration area: Displays configuration and activation of all Logger sensors.



- Acc.: Acceleration Sensor- select acc. Data sample rate (10, 25, 50Hz) and measurement range ($\pm 2, 4, 8, 16g$).
- Mag.: Magnetometer sensor- select sample rate (10, 20, 50Hz) and resolution (Full: 16 Bit data sample resolution / Half: 8 Bit data sample resolution).
- Written sector: Used data storage of according sensor.

Whenever you make changes to the configurations, press 'Update Configs' in order to apply the new settings.

9. Data area:
Read data and save files automatically to user's document folder.



10. In case of reading data error:

If an error occurs while reading data, an error message is shown inside the black log window. (In the example above no error occurs ('End Read Mag. Data without errors'). In case of an error you do not have to load all data from the beginning, you can set the Loading Block (Start Block) to the number before the error occurs. When continuing data download after an error, an additional file data file will be created.

11. Erase either specific data or all Logger data at once.

Note: The Logger only collects data if it is activated and sensors are enabled by according Device Config setting. Activate the Logger in the Basic Commands area.



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