

# How to install Simpleback

This document (hopefully) is complete guide for installing Simpleback field processing code as a global package. If there are any errors please report them. Errors are valuable information.

1.

Install razorback processing and all needed packages. More info can be found from <https://github.com/BRGM/razorback>.

2.

Get Simpleback source code. Recommended way is to use pull the code from github repo.

3.

Navigate to the repository you just pulled and add metronix calibration files of the coils you will be using to folder `Simpleback\core\metronix_calibration`.

4.

Open Anaconda prompt or other console type program that can be used to install python packages with pip. If you are using environments activate an environment that has Razorback. In Anaconda this command `conda activate your_environment`

5.

Navigate to Simpleback source code. Command is `cd Your\folder\path`

6.

Install Simpleback running `pip install .` Note that pip might be blocked by company firewall or proxy settings.

7.

Test that installation worked by typing `python` and then `import Simpleback`. If there are no errors installation worked.

```

Anaconda Prompt (Anaconda3) - conda deactivate

(base) C:\Users\aharjule>conda activate razorback_pros
(razorback_pros) C:\Users\aharjule>cd C:\Users\aharjule\OneDrive - Valtori GTK\Documents\field processing\Simpleback
(razorback_pros) C:\Users\aharjule\OneDrive - Valtori GTK\Documents\field processing\Simpleback>pip install .
Processing c:\Users\aharjule\onedrive - valtori gtk\documents\field processing\simpleback
  Installing build dependencies ... done
  Getting requirements to build wheel ... done
  Preparing metadata (pyproject.toml) ... done
Building wheels for collected packages: Simpleback
  Building wheel for Simpleback (pyproject.toml) ... done
  Created wheel for Simpleback: filename=Simpleback-0.0.0-py3-none-any.whl size=64153 sha256=968847d8c26a04e7ab29dea07b6069c4b90761d1fdd597606c55d0b8e3829d71
  Stored in directory: C:\Users\aharjule\AppData\Local\Temp\pip-ephem-wheel-cache-ul60g4wa\wheels\13\f2\c2\c84a77d1af1efaefc744933b5b2b01d5a9fac369d690515c70
Successfully built Simpleback
Installing collected packages: Simpleback
Successfully installed Simpleback-0.0.0

(razorback_pros) C:\Users\aharjule\OneDrive - Valtori GTK\Documents\field processing\Simpleback>python
Python 3.9.16 (main, Mar  8 2023, 10:39:24) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import Simpleback
>>> exit()

(razorback_pros) C:\Users\aharjule\OneDrive - Valtori GTK\Documents\field processing\Simpleback>

```

Image 1: This is how your Anaconda prompt should look like after running all commands from step 3 to step 6.

## 8.

Try that Simpleback graphical user interface. is working by running cell below. Note that you may need to restart kernel after installing new packages. Starting of the gui may take some time.

```
In [1]: import Simpleback.gui as sb_gui
sb_gui.use.gui()
```

## 9.

Start using Simpleback. Have fun! Remember to report all errors so developement of this code can be kept going.