

# GRAPHICAL USER INTERFACE

The graphical user interface (GUI) gives the possibility to visualize the data received by the board and to save them on a file for successive analysis and to change some of the configuration parameters of the radar. To run the GUI

1. Launch the GUI “VitalSignsGui.exe”.
2. a) Select the origin of the data: “real time” for real time data or “file” for off-line data.  
b) In case of real time data, select the data COM port (usually the one shown of the menu is the correct one, if not check on the control panel). In case of off-line data, browse the data file to be loaded.  
c) Press “START”

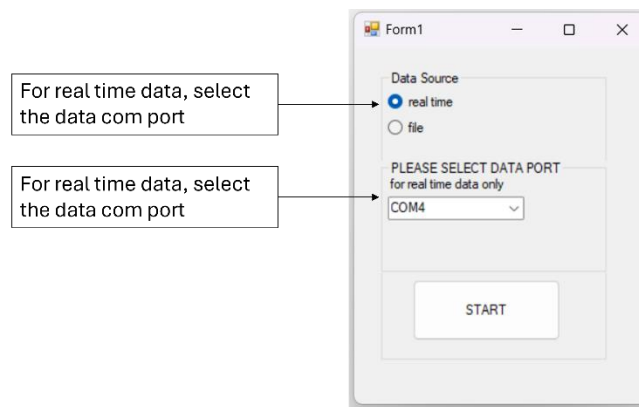


Figure 1. Start window.

The chart window shows all the data received by the board: range profile, ADC signals and some vital signs preliminary signals. From the chart window, it is possible to access the menu to stop/start the sensor, update some of the radar’s parameters, exit the application.

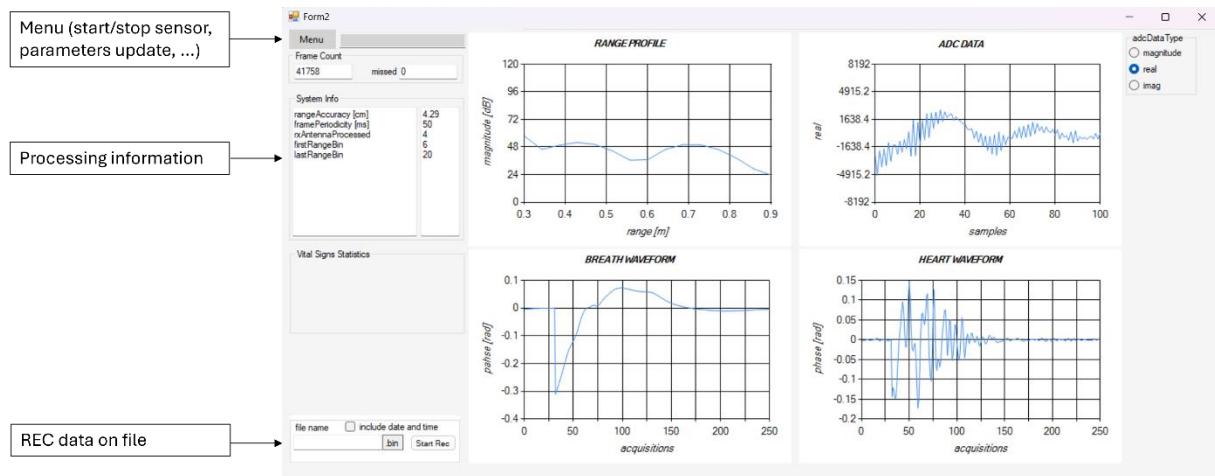


Figure 2. Charts window.

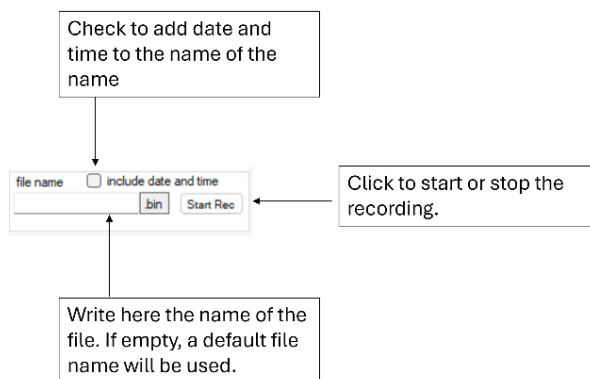
**To update the configuration and processing parameters of the board** (including the selection of the data transmitted to the PC):

open the “Menu” drop down menu (see Figure 2) and click on “Sensor Update”. The parameters’ window will appear. Set the desired values and then press the button on the bottom. Wait for the procedure to end.

Figure 3. Parameters' update window.

**To record all the received data on a file:**

in the proper section of the GUI (see Figure 4) it is possible to insert a user-defined name for the data file, optionally including the date and time, before starting the recording.



*Figure 4. Data recording on file.*