* Hardware
  + Computer;
  + Trigger box;
  + Battery;
  + Aux splitter;
  + Speaker;
  + Audio line;
* Setup the hardware and start the program
  + Connect all hardware;
  + Maximize the computer volume by adjusting the volume control on the bottom-right corner of the desktop.
    - Or you can maximize the volume by pressing the ‘volume up’ key on the keyboard: A close up of a button

      Description automatically generated
  + Open the Matlab program by clicking this icon on the desktop: A logo with a red blue and orange gradient

    Description automatically generated;
  + Click anywhere of the text area to show the ‘run’ button:

A screenshot of a computer

Description automatically generated

* + Click the ‘Run’ button to start the program;
  + A dialog box will show, input ECoG or ecog to the first blank and anything to the second. Click the OK button to begin.
  + A screenshot of a computer

    Description automatically generated
  + The program will pause after the start and wait for confirmation at a screen saying “Press a Key When You Are Ready!”. You can resume the program and start the experiment by pressing the ‘space’ bar on the keyboard.
* Control the process of the experiment. This program enables you to pause/resume/quit the program when you need to.
  + You can pause the program by pressing the ‘space’ bar on the keyboard to pause the program. This is useful when:
    - You are introducing the experiment to the patient and familiarizing the patient with the procedure.
    - You think the patient is tired and need a break during the experiment.
    - Any situation that happens during the experiment.
  + When you are ready, you can resume the experiment by pressing the ‘space’ bar again;
  + Quit the experiment. You can quit the experiment at any time you want. You can quit the program by pressing the ‘Esc’ key on the keyboard. This may happen when:
    - This is a test run and you need to restart the program for actual recording;
    - The patient no longer wants to continue;
    - You think there is no time for the experiment.

After ‘Esc’, a dialog will show asking if you want to save the log file. You can choose to save or not depending on:

* If this is a test run, don’t save.
* If this is an actual recording, save it.