

Using Brain Interface to Draw a Hexagon Flower

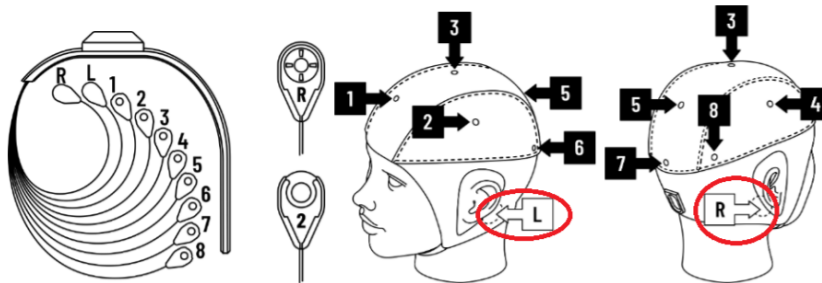
Instructions

In this exhibition piece, you can be part of a collaborative digital art project, where participants interact with a computer program through a brain computer interface to create a unique digital masterpiece.

Participation in this collaborative digital art project should be accompanied by a hostess for optimal experience.

Installing the brain interface on your head

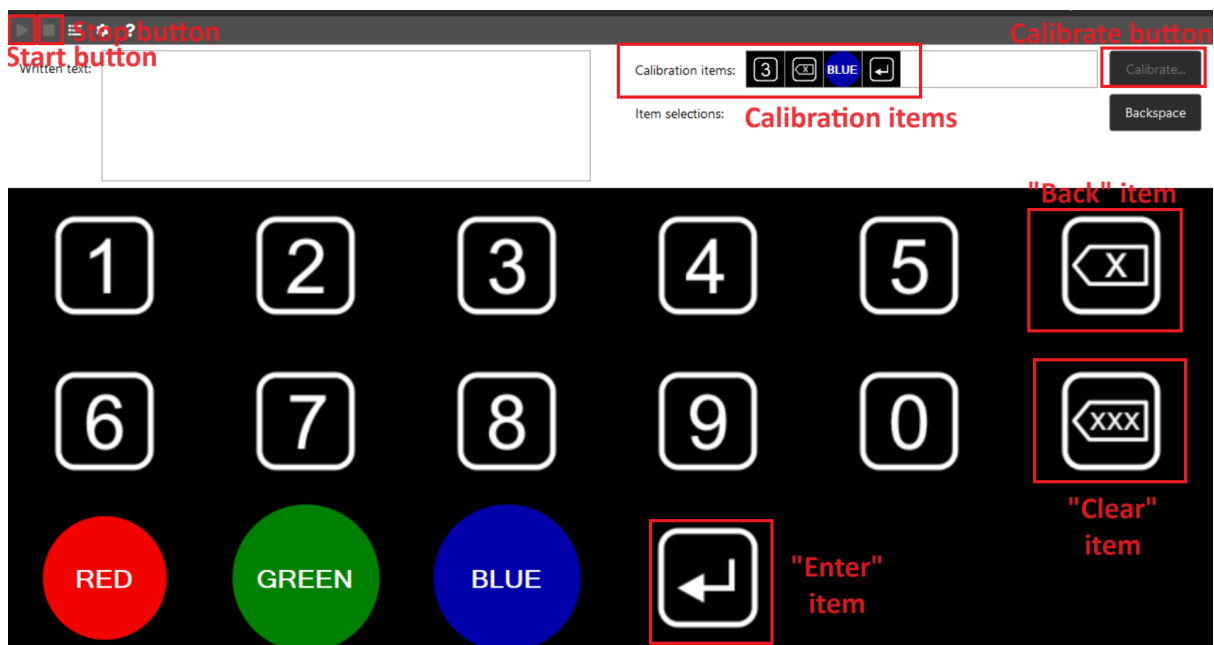
1. Prepare the sticky electrodes and stick them to the left and right mastoid bones behind your ears as highlighted in red circles in the image below.



2. The hostess will prepare the brain interface and attach it to the cap. Put the brain interface attached to the cap on your head and adjust the EEG electrodes to be perpendicular to your head.
3. **(optional, but recommended)** For better experience the EEG electrodes should be filled with conductive electrode gel. This will significantly increase efficiency of the brain interface and is highly recommended.

Calibrating the brain interface

4. In order to further increase performance of the brain interface, you should calibrate the brain interface. The hostess will prepare the Unicorn Speller app.
 - a. Choose at least 4 arbitrary items to be calibrated by double clicking on keyboard items as shown in image below.
 - b. Once you click "Calibrate...", the calibration will begin. You will be shown an item from the keyboard. Focus on that item as if you were trying to choose it with your brain. Images will be flashing across the keyboard, but you must remain focused on the item that is being calibrated.
5. Click "Calibrate..."
6. Delete calibration items by clicking the "Backspace" button.



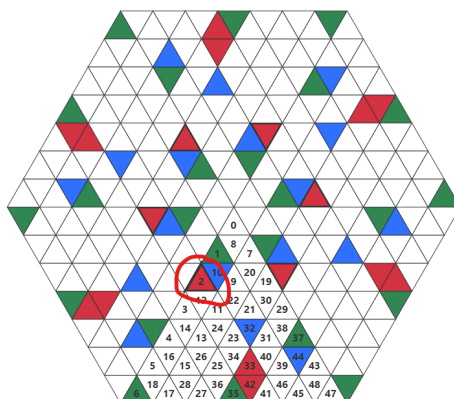
Color a triangle in the hexagon flower with the brain interface

In this step, you will input your personal ID and color. From your personal ID, a triangle position will be calculated. Note that your personal ID will not be stored anywhere. Once you are happy with your input, confirm the selection by focusing on the “Enter” item.

If you have trouble completing this step, ask the hostess for help.

1. Start recording by clicking the “Start” button.
2. Sequentially, focus on the digits of your personal ID until all the personal ID digits are chosen.
 - a. If you make a single error, you can erase the last digit by focusing on the “Back” item. In the **Written text** section, this will be shown as the minus sign: -.
 - b. If you make multiple errors, you can erase all the digits by focusing on the “Clear” item. In the **Written text** section, this will be shown as the dot sign: ..
3. Once you are happy with your result, focus on the “Enter” item.
4. When the “Enter” item is selected. Click on the “Stop” button.
5. Take a look at your contribution. Last contribution will be highlighted as shown in the image below.

Drawing Hexagon Flowers with Brain Interface



Thank you for your participation!