

PiEEG. Introduction. Easy start.

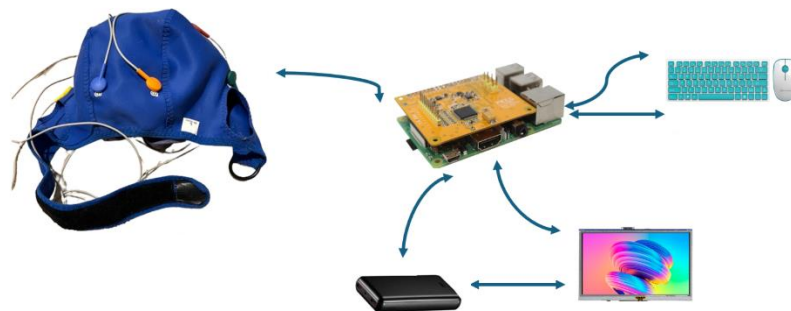
1. For RaspberryPi4,5 (Pi4,5) install Raspbian operation system

<https://www.raspberrypi.com/software/>

2. Connect PiEEG directly to RaspberryPi4 via GPIO40



3. Connect camera screen via micro-HDMI, battery, keyboard and mouse



4. Install python IDLE to RaspberryPi

Step 1

Open a terminal window from Raspberry Pi.

Step 2

Type following command in terminal.

```
sudo apt-get install python3
```

Step 3

Type following command in terminal.

```
sudo apt-get install idle3
```

5. Install necessary libraries via pip for Python Idle

Open terminal and install the next libraries

Pi4

```
sudo pip3 install spidev
```

```
sudo pip3 install matplotlib
```

```
sudo pip3 install RPi.GPIO
```

```
sudo pip3 install scipy
```

Pi5

```
sudo pip3 install RPi.GPIO
```

```
sudo pip3 install matplotlib
```

```
sudo pip3 install scipy
```

```
sudo pip3 install gpod
```

6. Launch the script

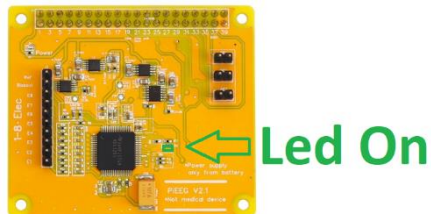
Pi4

https://github.com/pieeg-club/PIEEG/blob/main/1.GUI/1.8_ch_Pi4.py

Pi5

https://github.com/pieeg-club/PIEEG/blob/main/1.GUI/1.8_ch_Pi4.py

7. LED should be ON



8. GUI

Receive the graph, data in real-time

